

Supplementary Table 4. Full list of CCSB-Broad hORFeome V8.1

Entry clone id	Expression clone id (LR success)	Comparison of sequencing results to MGC templates						Comparison of sequencing results to RefSeq			
		Sequence method: Illumina (I), 454 (454), Sanger (S), Unsequenced (U)	Source ORF Genbank accession	MGC Gene id	Gene symbol	Sequences compare to MGC reference	Collection	NCBI gene id	Gene symbol	Transcripts	Match type * (* Listed are high homology (> 99%) matches)
ccsbBroadEn_00001	ccsbBroad304_00001	I	BC047666	9	NAT1	no errors	hORFeome V8.1 Collection	9	NAT1	NM_001160179.1; NM_000662.5; NM_001160170.1; NM_001160171.1; NM_001160172.1; NM_001160173.1; NM_001160174.1	Full Length 100% match
ccsbBroadEn_00002	ccsbBroad304_00002	I	BC069434	15	AANAT	no errors	hORFeome V8.1 Collection	15	AANAT	NM_001088.2	Full Length 100% match
ccsbBroadEn_00003	ccsbBroad304_00003	I	BC015628	18	ABAT	no errors	hORFeome V8.1 Collection	18	ABAT	NM_000663.4; NM_001127448.1; NM_020686.5	Full Length 100% match
ccsbBroadEn_00004	Failed LR reaction	I	BC000635,BC011977	30	ACAA1	no errors	hORFeome V8.1 Collection	30	ACAA1	NM_001607.3	Full Length 100% match
ccsbBroadEn_00005	ccsbBroad304_00005	I	BC039063	33	ACADL	no errors	hORFeome V8.1 Collection	33	ACADL	NM_001608.3	Full Length 100% match
ccsbBroadEn_00006	ccsbBroad304_00006	I	BC005377	34	ACADM	no errors	hORFeome V8.1 Collection	34	ACADM	NM_000016.4	Full Length 100% match
ccsbBroadEn_00007	ccsbBroad304_00007	454	BC000399,BC012912	37	ACADVL	no errors	hORFeome V8.1 Collection	37	ACADVL	NM_000018.2	Full Length 100% match
ccsbBroadEn_00008	ccsbBroad304_00008	I	BC133707	41	ACCN2	no errors	hORFeome V8.1 Collection	41	ACCN2	NM_001095.2	Full Length 100% match
ccsbBroadEn_00009	ccsbBroad304_00009	I	BC006195	47	ACLY	no errors	hORFeome V8.1 Collection	47	ACLY	NM_001096.2	Full Length 100% match
ccsbBroadEn_00010	ccsbBroad304_00010	454	BC018103	48	ACO1	no errors	hORFeome V8.1 Collection	48	ACO1	NM_002197.2	Full Length 100% match
ccsbBroadEn_00011	ccsbBroad304_00011	I	BC007422	52	ACP1	no errors	hORFeome V8.1 Collection	52	ACP1	NM_007099.3	Full Length 100% match
ccsbBroadEn_00012	ccsbBroad304_00012	I	BC025414	54	ACP5	no errors	hORFeome V8.1 Collection	54	ACP5	NM_001611.3; NM_001111034.1; NM_001111036.1; NM_001111035.1	Full Length 100% match
ccsbBroadEn_00013	ccsbBroad304_00013	I	BC014588	56	ACRV1	no errors	hORFeome V8.1 Collection	56	ACRV1	NM_001612.5	Full Length 100% match
ccsbBroadEn_00014	ccsbBroad304_00014	I	BC017554	59	ACTA2	no errors	hORFeome V8.1 Collection	59	ACTA2	NM_001613.2; NM_001141945.1	Full Length 100% match
ccsbBroadEn_00015	ccsbBroad304_00015	I	BC009978	70	ACTC1	no errors	hORFeome V8.1 Collection	70	ACTC1	NM_005159.4	Full Length 100% match
ccsbBroadEn_00016	ccsbBroad304_00016	I	BC005033	81	ACTN4	no errors	hORFeome V8.1 Collection	81	ACTN4	NM_004924.3	Full Length 100% match
ccsbBroadEn_00017	ccsbBroad304_00017	I	BC051770	88	ACTN2	no errors	hORFeome V8.1 Collection	88	ACTN2	NM_001103.2	Full Length 100% match
ccsbBroadEn_00018	ccsbBroad304_00018	I	BC000254,BC040531	91	ACVR1B	no errors	hORFeome V8.1 Collection	91	ACVR1B	NM_004302.4	Full Length 100% match
ccsbBroadEn_00019	ccsbBroad304_00019	I	BC042637	94	ACVRL1	no errors	hORFeome V8.1 Collection	94	ACVRL1	NM_001077401.1; NM_000020.2	Full Length 100% match
ccsbBroadEn_00020	ccsbBroad304_00020	I	BC000545,BC014112	95	ACY1	no errors	hORFeome V8.1 Collection	95	ACY1	NM_001198895.1; NM_000666.2	Full Length 100% match
ccsbBroadEn_00021	ccsbBroad304_00021	I	BC035568	97	ACYP1	no errors	hORFeome V8.1 Collection	97	ACYP1	NM_001107.3	Full Length 100% match
ccsbBroadEn_00022	ccsbBroad304_00022	I	BC012290	98	ACYP2	no errors	hORFeome V8.1 Collection	98	ACYP2	NM_138448.3	Full Length 100% match
ccsbBroadEn_00023	ccsbBroad304_00023	I	BC007678,BC040226	100	ADA	no errors	hORFeome V8.1 Collection	100	ADA	NM_000022.2	Full Length 100% match
ccsbBroadEn_00024	ccsbBroad304_00024	I	BC126235	109	ADCY3	no errors	hORFeome V8.1 Collection	109	ADCY3	NM_004036.3	Full Length 100% match
ccsbBroadEn_00025	ccsbBroad304_00025	454	BC093837	116	ADCYAP1	no errors	hORFeome V8.1 Collection	116	ADCYAP1	NM_001099733.1; NM_001117.3	Full Length 100% match
ccsbBroadEn_00026	ccsbBroad304_00026	I	BC062559	120	ADD3	no errors	hORFeome V8.1 Collection	120	ADD3	NM_016824.3	Full Length 100% match
ccsbBroadEn_00027	ccsbBroad304_00027	I	BC117442,BC126306	124	ADH1A	no errors	hORFeome V8.1 Collection	124	ADH1A	NM_000667.3	Full Length 100% match
ccsbBroadEn_00028	ccsbBroad304_00028	I	BC014665	128	ADH5	no errors	hORFeome V8.1 Collection	128	ADH5	NM_000671.3	Full Length 100% match
ccsbBroadEn_00029	ccsbBroad304_00029	I	BC131512	131	ADH7	no errors	hORFeome V8.1 Collection	131	ADH7	NM_000673.4	Full Length 100% match
ccsbBroadEn_00030	ccsbBroad304_00030	I	BC025722	136	ADORA2B	no errors	hORFeome V8.1 Collection	136	ADORA2B	NM_000676.2	Full Length 100% match
ccsbBroadEn_00031	Failed LR reaction	454	BC075017	155	ADRB3	no errors	hORFeome V8.1 Collection	155	ADRB3	NM_000025.2	Full Length 100% match
ccsbBroadEn_00032	ccsbBroad304_00032	I	BC000253	158	ADSL	no errors	hORFeome V8.1 Collection	158	ADSL	NM_000026.2	Full Length 100% match
ccsbBroadEn_00033	ccsbBroad304_00033	I	BC012356	159	ADSS	no errors	hORFeome V8.1 Collection	159	ADSS	NM_001126.3	Full Length 100% match
ccsbBroadEn_00034	ccsbBroad304_00034	I	BC113735,BC113737	166	AES	no errors	hORFeome V8.1 Collection	166	AES	NM_198969.1	Full Length 100% match
ccsbBroadEn_00035	ccsbBroad304_00035	I	BC109020	173	AFM	no errors	hORFeome V8.1 Collection	173	AFM	NM_001133.2	Full Length 100% match
ccsbBroadEn_00036	ccsbBroad304_00036	I	BC027881	174	AFP	no errors	hORFeome V8.1 Collection	174	AFP	NM_001134.1	Full Length 100% match
ccsbBroadEn_00037	ccsbBroad304_00037	I	BC020669	177	AGER	no errors	hORFeome V8.1 Collection	177	AGER	NM_001136.3	Full Length 100% match
ccsbBroadEn_00038	ccsbBroad304_00038	454	BC078663	178	AGL	no errors	hORFeome V8.1 Collection	178	AGL	NM_000028.2; NM_000642.2; NM_000643.2; NM_000644.2	Full Length 100% match
ccsbBroadEn_00039	ccsbBroad304_00039	454	BC110443	181	AGRP	no errors	hORFeome V8.1 Collection	181	AGRP	NM_001138.1	Full Length 100% match
ccsbBroadEn_00040	ccsbBroad304_00040	I	BC032688	187	APLNR	no errors	hORFeome V8.1 Collection	187	APLNR	NM_005161.4	Full Length 100% match
ccsbBroadEn_00041	ccsbBroad304_00041	I	BC011564	190	NR0B1	no errors	hORFeome V8.1 Collection	190	NR0B1	NM_000475.4	Full Length 100% match
ccsbBroadEn_00042	ccsbBroad304_00042	I	BC010018,BC011606	191	AHCY	no errors	hORFeome V8.1 Collection	191	AHCY	NM_000687.2	Full Length 100% match
ccsbBroadEn_00043	ccsbBroad304_00043	I	BC009474	199	AIF1	no errors	hORFeome V8.1 Collection	199	AIF1	NM_001623.3	Full Length 100% match
ccsbBroadEn_00044	ccsbBroad304_00044	I	BC009405	204	AK2	no errors	hORFeome V8.1 Collection	204	AK2	NM_001625.3	Full Length 100% match
ccsbBroadEn_00045	ccsbBroad304_00045	I	BC016180	205	AK4	no errors	hORFeome V8.1 Collection	205	AK4	NM_013410.3; NM_001005353.2; NM_203464.2	Full Length 100% match
ccsbBroadEn_00046	ccsbBroad304_00046	I	BC000479	207	AKT1	no errors	hORFeome V8.1 Collection	207	AKT1	NM_005163.2; NM_001014432.1; NM_001014431.1	Full Length 100% match
ccsbBroadEn_00047	ccsbBroad304_00047	I	BC120994	208	AKT2	no errors	hORFeome V8.1 Collection	208	AKT2	NM_001626.3	Full Length 100% match
ccsbBroadEn_00048	ccsbBroad304_00048	I	BC001505	216	ALDH1A1	no errors	hORFeome V8.1 Collection	216	ALDH1A1	NM_000689.3	Full Length 100% match
ccsbBroadEn_00049	ccsbBroad304_00049	I	BC002967	217	ALDH2	no errors	hORFeome V8.1 Collection	217	ALDH2	NM_000690.2	Full Length 100% match
ccsbBroadEn_00050	ccsbBroad304_00050	I	BC013584	221	ALDH3B1	no errors	hORFeome V8.1 Collection	221	ALDH3B1	NM_000694.2; NM_001161473.1	Full Length 100% match
ccsbBroadEn_00051	ccsbBroad304_00051	I	BC033099	221	ALDH3B1	no errors	hORFeome V8.1 Collection	221	ALDH3B1	NM_001030010.1	Full Length 100% match
ccsbBroadEn_00052	ccsbBroad304_00052	I	BC002430	224	ALDH3A2	no errors	hORFeome V8.1 Collection	224	ALDH3A2	NM_001031806.1	Full Length 100% match
ccsbBroadEn_00053	ccsbBroad304_00053	I	BC004333,BC016800	226	ALDOA	no errors	hORFeome V8.1 Collection	226	ALDOA	NM_000034.2; NM_184041.1; NM_184043.1; NM_001127617.1	Full Length 100% match
ccsbBroadEn_00054	ccsbBroad304_00054	I	BC065565,BC106925	230	ALDOC	no errors	hORFeome V8.1 Collection	230	ALDOC	NM_005165.2	Full Length 100% match



ccsbBroadEn_00055	ccsbBroad304_00055		BC000260,BC010391	231	AKR1B1	no errors	hORFeome V8.1 Collection	231	AKR1B1	NM_001628.2	Full Length 100% match
ccsbBroadEn_00056	ccsbBroad304_00056		BC132677	240	ALOX5	no errors	hORFeome V8.1 Collection	240	ALOX5	NM_000698.2	Full Length 100% match
ccsbBroadEn_00057	ccsbBroad304_00057		BC041058	242	ALOX12B	no errors	hORFeome V8.1 Collection	242	ALOX12B	NM_001139.2	Full Length 100% match
ccsbBroadEn_00058	ccsbBroad304_00058		BC132678	248	ALPI	no errors	hORFeome V8.1 Collection	248	ALPI	NM_001631.3	Full Length 100% match
ccsbBroadEn_00059	ccsbBroad304_00059	454	BC112007,BC113428	257	ALX3	no errors	hORFeome V8.1 Collection	257	ALX3	NM_006492.2	Full Length 100% match
ccsbBroadEn_00060	ccsbBroad304_00060		BC041593	259	AMBP	no errors	hORFeome V8.1 Collection	259	AMBP	NM_001633.3	Full Length 100% match
ccsbBroadEn_00061	ccsbBroad304_00061	454	BC074976	266	AMELY	no errors	hORFeome V8.1 Collection	266	AMELY	NM_001143.1	Full Length 100% match
ccsbBroadEn_00062	ccsbBroad304_00062		BC126316	269	AMHR2	no errors	hORFeome V8.1 Collection	269	AMHR2	NM_020547.2	Full Length 100% match
ccsbBroadEn_00063	ccsbBroad304_00063		BC007711	271	AMPD2	no errors	hORFeome V8.1 Collection	271	AMPD2	NM_139156.2	Full Length 100% match
ccsbBroadEn_00064	ccsbBroad304_00064		BC126118	272	AMPD3	no errors	hORFeome V8.1 Collection	272	AMPD3	NM_000480.2	Full Length 100% match
ccsbBroadEn_00065	ccsbBroad304_00065		BC007060	279	AMY2A	no errors	hORFeome V8.1 Collection	279	AMY2A	NM_000699.2	Full Length 100% match
ccsbBroadEn_00066	ccsbBroad304_00066		BC054880	283	ANG	no errors	hORFeome V8.1 Collection	283	ANG	NM_001145.4; NM_001097577.2	Full Length 100% match
ccsbBroadEn_00067	ccsbBroad304_00067		BC008664,BC061589	291	SLC25A4	no errors	hORFeome V8.1 Collection	291	SLC25A4	NM_001151.3	Full Length 100% match
ccsbBroadEn_00068	ccsbBroad304_00068		BC007295,BC008935	293	SLC25A6	no errors	hORFeome V8.1 Collection	293	SLC25A6	NM_001636.3	Full Length 100% match
ccsbBroadEn_00069	ccsbBroad304_00069		BC000182,BC011659	307	ANXA4	no errors	hORFeome V8.1 Collection	307	ANXA4	NM_001153.3	Full Length 100% match
ccsbBroadEn_00070	ccsbBroad304_00070		BC001429,BC012804	308	ANXA5	no errors	hORFeome V8.1 Collection	308	ANXA5	NM_001154.3	Full Length 100% match
ccsbBroadEn_00071	ccsbBroad304_00071		BC017046	309	ANXA6	no errors	hORFeome V8.1 Collection	309	ANXA6	NM_001155.4	Full Length 100% match
ccsbBroadEn_00072	ccsbBroad304_00072		BC002632	310	ANXA7	no errors	hORFeome V8.1 Collection	310	ANXA7	NM_001156.3	Full Length 100% match
ccsbBroadEn_00073	ccsbBroad304_00073		BC007564	311	ANXA11	no errors	hORFeome V8.1 Collection	311	ANXA11	NM_145868.1; NM_001157.2; NM_145869.1	Full Length 100% match
ccsbBroadEn_00074	ccsbBroad304_00074		BC004926	318	NUDT2	no errors	hORFeome V8.1 Collection	318	NUDT2	NM_001161.3; NM_147172.1;	Full Length 100% match
ccsbBroadEn_00075	ccsbBroad304_00075		BC026257	319	APOF	no errors	hORFeome V8.1 Collection	319	APOF	NM_147173.1; NM_001638.2	Full Length 100% match
ccsbBroadEn_00076	ccsbBroad304_00076		BC010854	322	APBB1	no errors	hORFeome V8.1 Collection	322	APBB1	NM_145689.1	Full Length 100% match
ccsbBroadEn_00077	ccsbBroad304_00077		BC004979	328	APEX1	no errors	hORFeome V8.1 Collection	328	APEX1	NM_080649.1; NM_080648.1; NM_001641.2	Full Length 100% match
ccsbBroadEn_00078	ccsbBroad304_00078		BC016174,BC028578	329	BIRC2	no errors	hORFeome V8.1 Collection	329	BIRC2	NM_001166.3	Full Length 100% match
ccsbBroadEn_00079	ccsbBroad304_00079		BC005380	335	APOA1	no errors	hORFeome V8.1 Collection	335	APOA1	NM_000039.1	Full Length 100% match
ccsbBroadEn_00080	ccsbBroad304_00080		BC005282	336	APOA2	no errors	hORFeome V8.1 Collection	336	APOA2	NM_001643.1	Full Length 100% match
ccsbBroadEn_00081	ccsbBroad304_00081		BC027977	345	APOC3	no errors	hORFeome V8.1 Collection	345	APOC3	NM_000040.1	Full Length 100% match
ccsbBroadEn_00082	ccsbBroad304_00082	454	BC020723	346	APOC4	no errors	hORFeome V8.1 Collection	346	APOC4	NM_001646.2	Full Length 100% match
ccsbBroadEn_00083	ccsbBroad304_00083		BC007402	347	APOD	no errors	hORFeome V8.1 Collection	347	APOD	NM_001647.3	Full Length 100% match
ccsbBroadEn_00084	ccsbBroad304_00084		BC020703,BC026283	350	APOH	no errors	hORFeome V8.1 Collection	350	APOH	NM_000042.2	Full Length 100% match
ccsbBroadEn_00085	ccsbBroad304_00085		BC106894	353	APRT	no errors	hORFeome V8.1 Collection	353	APRT	NM_000485.2	Full Length 100% match
ccsbBroadEn_00086	ccsbBroad304_00086		BC050595,BC056665	354	KLK3	no errors	hORFeome V8.1 Collection	354	KLK3	NM_001648.2	Full Length 100% match
ccsbBroadEn_00087	ccsbBroad304_00087		BC012479	355	FAS	no errors	hORFeome V8.1 Collection	355	FAS	NM_000043.3	Full Length 100% match
ccsbBroadEn_00088	ccsbBroad304_00088		BC017502	356	FASLG	no errors	hORFeome V8.1 Collection	356	FASLG	NM_000639.1	Full Length 100% match
ccsbBroadEn_00089	ccsbBroad304_00089		BC013566	360	AQP3	no errors	hORFeome V8.1 Collection	360	AQP3	NM_004925.3	Full Length 100% match
ccsbBroadEn_00090	ccsbBroad304_00090		BC022286	361	AQP4	no errors	hORFeome V8.1 Collection	361	AQP4	NM_001650.4	Full Length 100% match
ccsbBroadEn_00091	ccsbBroad304_00091		BC032946	362	AQP5	no errors	hORFeome V8.1 Collection	362	AQP5	NM_001651.2	Full Length 100% match
ccsbBroadEn_00092	ccsbBroad304_00092		BC022510	373	TRIM23	no errors	hORFeome V8.1 Collection	373	TRIM23	NM_001656.3	Full Length 100% match
ccsbBroadEn_00093	ccsbBroad304_00093		BC009799	374	AREG	no errors	hORFeome V8.1 Collection	374	AREG	NM_001657.2	Full Length 100% match
ccsbBroadEn_00094	ccsbBroad304_00094		BC009247,BC011358	375	ARF1	no errors	hORFeome V8.1 Collection	375	ARF1	NM_001658.3; NM_001024228.1; NM_001024227.1; NM_001024226.1	Full Length 100% match
ccsbBroadEn_00095	ccsbBroad304_00095		BC007647,BC028402	377	ARF3	no errors	hORFeome V8.1 Collection	377	ARF3	NM_001659.2	Full Length 100% match
ccsbBroadEn_00096	ccsbBroad304_00096		BC003043,BC033104	381	ARF5	no errors	hORFeome V8.1 Collection	381	ARF5	NM_001662.3	Full Length 100% match
ccsbBroadEn_00097	ccsbBroad304_00097		BC008918	382	ARF6	no errors	hORFeome V8.1 Collection	382	ARF6	NM_001663.3	Full Length 100% match
ccsbBroadEn_00098	ccsbBroad304_00098		BC020653	383	ARG1	no errors	hORFeome V8.1 Collection	383	ARG1	NM_000045.2	Full Length 100% match
ccsbBroadEn_00099	ccsbBroad304_00099		BC001350,BC029050	384	ARG2	no errors	hORFeome V8.1 Collection	384	ARG2	NM_001172.3	Full Length 100% match
ccsbBroadEn_00100	ccsbBroad304_00100		BC001360	387	RHOA	no errors	hORFeome V8.1 Collection	387	RHOA	NM_001664.2	Full Length 100% match
ccsbBroadEn_00101	ccsbBroad304_00101		BC007245,BC052808	389	RHOC	no errors	hORFeome V8.1 Collection	389	RHOC	NM_175744.4; NM_001042678.1; NM_001042679.1	Full Length 100% match
ccsbBroadEn_00102	ccsbBroad304_00102		BC012513	390	RND3	no errors	hORFeome V8.1 Collection	390	RND3	NM_005168.3	Full Length 100% match
ccsbBroadEn_00103	ccsbBroad304_00103		BC014261	399	RHOH	no errors	hORFeome V8.1 Collection	399	RHOH	NM_004310.3	Full Length 100% match
ccsbBroadEn_00104	ccsbBroad304_00104		BC002530	402	ARL2	no errors	hORFeome V8.1 Collection	402	ARL2	NM_001667.3	Full Length 100% match
ccsbBroadEn_00105	ccsbBroad304_00105		BC041129	406	ARNTL	no errors	hORFeome V8.1 Collection	406	ARNTL	NM_001178.4; NM_001030272.1	Full Length 100% match
ccsbBroadEn_00106	ccsbBroad304_00106		BC003636	408	ARRB1	no errors	hORFeome V8.1 Collection	408	ARRB1	NM_004041.3	Full Length 100% match
ccsbBroadEn_00107	ccsbBroad304_00107	454	BC111729	417	ART1	no errors	hORFeome V8.1 Collection	417	ART1	NM_004314.2	Full Length 100% match
ccsbBroadEn_00108	ccsbBroad304_00108		BC017913	419	ART3	no errors	hORFeome V8.1 Collection	419	ART3	NM_001179.4	Full Length 100% match
ccsbBroadEn_00109	ccsbBroad304_00109		BC032130	432	ASGR1	no errors	hORFeome V8.1 Collection	432	ASGR1	NM_001671.3	Full Length 100% match
ccsbBroadEn_00110	ccsbBroad304_00110		BC017251	433	ASGR2	no errors	hORFeome V8.1 Collection	433	ASGR2	NM_080913.2	Full Length 100% match
ccsbBroadEn_00111	ccsbBroad304_00111		BC104238	434	ASIP	no errors	hORFeome V8.1 Collection	434	ASIP	NM_001672.2	Full Length 100% match
ccsbBroadEn_00112	ccsbBroad304_00112		BC002651	439	ASNA1	no errors	hORFeome V8.1 Collection	439	ASNA1	NM_004317.2	Full Length 100% match
ccsbBroadEn_00113	ccsbBroad304_00113		BC014621	440	ASNS	no errors	hORFeome V8.1 Collection	440	ASNS	NM_001673.4; NM_183356.3; NM_133436.3	Full Length 100% match
ccsbBroadEn_00114	Failed LR reaction		BC029128	443	ASPA	no errors	hORFeome V8.1 Collection	443	ASPA	NM_000049.2; NM_001128085.1	Full Length 100% match
ccsbBroadEn_00115	ccsbBroad304_00115		BC025236	444	ASPH	no errors	hORFeome V8.1 Collection	444	ASPH	NM_001164755.1	Full Length 100% match
ccsbBroadEn_00116	ccsbBroad304_00116		BC021676	445	ASS1	no errors	hORFeome V8.1 Collection	445	ASS1	NM_000050.4; NM_054012.3	Full Length 100% match
ccsbBroadEn_00117	ccsbBroad304_00117		BC016855,BC044895	468	ATF4	no errors	hORFeome V8.1 Collection	468	ATF4	NM_001675.2; NM_182810.1	Full Length 100% match
ccsbBroadEn_00118	ccsbBroad304_00118		BC008879	471	ATIC	no errors	hORFeome V8.1 Collection	471	ATIC	NM_004044.6	Full Length 100% match
ccsbBroadEn_00119	ccsbBroad304_00119		BC069594,BC069604	474	ATOH1	no errors	hORFeome V8.1 Collection	474	ATOH1	NM_005172.1	Full Length 100% match
ccsbBroadEn_00120	ccsbBroad304_00120		BC112248,BC112250	475	ATOX1	no errors	hORFeome V8.1 Collection	475	ATOX1	NM_004045.3	Full Length 100% match
ccsbBroadEn_00121	ccsbBroad304_00121		BC028297	480	ATP1A4	no errors	hORFeome V8.1 Collection	480	ATP1A4	NM_001001734.1	Full Length 100% match
ccsbBroadEn_00122	ccsbBroad304_00122		BC000006	481	ATP1B1	no errors	hORFeome V8.1 Collection	481	ATP1B1	NM_001677.3	Full Length 100% match
ccsbBroadEn_00123	ccsbBroad304_00123		BC126175	482	ATP1B2	no errors	hORFeome V8.1 Collection	482	ATP1B2	NM_001678.3	Full Length 100% match
ccsbBroadEn_00124	ccsbBroad304_00124		BC011835	483	ATP1B3	no errors	hORFeome V8.1 Collection	483	ATP1B3	NM_001679.2	Full Length 100% match
ccsbBroadEn_00125	ccsbBroad304_00125		BC005302	486	FXSD2	no errors	hORFeome V8.1 Collection	486	FXSD2	NM_021603.3	Full Length 100% match
ccsbBroadEn_00126	ccsbBroad304_00126		BC011384	498	ATP5A1	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	498	ATP5A1	NM_001001937.1; NM_004046.4	Full Length 100% match
ccsbBroadEn_00127	ccsbBroad304_00127		BC016512	506	ATP5B	no errors	hORFeome V8.1 Collection	506	ATP5B	NM_001686.3	Full Length 100% match
ccsbBroadEn_00128	Failed LR reaction		BC000470,BC000931	509	ATP5C1	no errors	hORFeome V8.1 Collection	509	ATP5C1	NM_001001973.1	Full Length 100% match



ccsbBroadEn_00129	ccsbBroad304_00129		BC002389,BC018079	513	ATP5D	no errors	hORFeome V8.1 Collection	513	ATP5D	NM_001001975.1; NM_001687.4	Full Length 100% match
ccsbBroadEn_00130	ccsbBroad304_00130		BC016350	515	ATP5F1	no errors	hORFeome V8.1 Collection	515	ATP5F1	NM_001688.4	Full Length 100% match
ccsbBroadEn_00131	ccsbBroad304_00131		BC106881	518	ATP5G3	no errors	hORFeome V8.1 Collection	518	ATP5G3	NM_001002258.4; NM_001689.4	Full Length 100% match
ccsbBroadEn_00132	ccsbBroad304_00132		BC003679	521	ATP5I	no errors	hORFeome V8.1 Collection	521	ATP5I	NM_007100.3	Full Length 100% match
ccsbBroadEn_00133	ccsbBroad304_00133		BC001178	522	ATP5J	no errors	hORFeome V8.1 Collection	522	ATP5J	NM_001003696.1; NM_001003697.1; NM_001003703.1; NM_001685.4	Full Length 100% match
ccsbBroadEn_00134	ccsbBroad304_00134		BC003100	526	ATP6V1B2	no errors	hORFeome V8.1 Collection	526	ATP6V1B2	NM_001693.3	Full Length 100% match
ccsbBroadEn_00135	ccsbBroad304_00135		BC004537,BC009290	527	ATP6V0C	no errors	hORFeome V8.1 Collection	527	ATP6V0C	NM_001694.3; NM_001198569.1	Full Length 100% match
ccsbBroadEn_00136	ccsbBroad304_00136		BC010960	528	ATP6V1C1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	528	ATP6V1C1	NM_001695.4	Full Length 100% match
ccsbBroadEn_00137	ccsbBroad304_00137		BC004443	529	ATP6V1E1	no errors	hORFeome V8.1 Collection	529	ATP6V1E1	NM_001696.3	Full Length 100% match
ccsbBroadEn_00138	ccsbBroad304_00138		BC000423	533	ATP6V0B	no errors	hORFeome V8.1 Collection	533	ATP6V0B	NM_004047.3	Full Length 100% match
ccsbBroadEn_00139	ccsbBroad304_00139		BC119726	534	ATP6V1G2	no errors	hORFeome V8.1 Collection	534	ATP6V1G2	NM_130463.2	Full Length 100% match
ccsbBroadEn_00140	ccsbBroad304_00140		BC032398	535	ATP6V0A1	no errors	hORFeome V8.1 Collection	535	ATP6V0A1	NM_001130021.1	Full Length 100% match
ccsbBroadEn_00141	ccsbBroad304_00141		BC126196,BC126224	551	AVP	no errors	hORFeome V8.1 Collection	551	AVP	NM_000490.4	Full Length 100% match
ccsbBroadEn_00142	ccsbBroad304_00142	454	BC074803	552	AVPR1A	no errors	hORFeome V8.1 Collection	552	AVPR1A	NM_000706.3	Full Length 100% match
ccsbBroadEn_00143	ccsbBroad304_00143		BC069495	566	AZU1	no errors	hORFeome V8.1 Collection	566	AZU1	NM_001700.3	Full Length 100% match
ccsbBroadEn_00144	ccsbBroad304_00144		BC032589,BC064910	567	B2M	no errors	hORFeome V8.1 Collection	567	B2M	NM_004048.2	Full Length 100% match
ccsbBroadEn_00145	ccsbBroad304_00145		BC063307	571	BACH1	no errors	hORFeome V8.1 Collection	571	BACH1	NM_001186.2; NM_206866.1	Full Length 100% match
ccsbBroadEn_00146	ccsbBroad304_00146		BC001901	572	BAD	no errors	hORFeome V8.1 Collection	572	BAD	NM_004322.3; NM_032989.2	Full Length 100% match
ccsbBroadEn_00147	ccsbBroad304_00147		BC001936,BC014774	573	BAG1	no errors	hORFeome V8.1 Collection	573	BAG1	NM_001172415.1	Full Length 100% match
ccsbBroadEn_00148	ccsbBroad304_00148		BC107038	574	BAGE	no errors	hORFeome V8.1 Collection	574	BAGE	NM_001187.1	Full Length 100% match
ccsbBroadEn_00149	Failed LR reaction		BC004431	578	BAK1	no errors	hORFeome V8.1 Collection	578	BAK1	NM_001188.3	Full Length 100% match
ccsbBroadEn_00150	ccsbBroad304_00150		BC014175	581	BAX	no errors	hORFeome V8.1 Collection	581	BAX	NM_138761.3	Full Length 100% match
ccsbBroadEn_00151	ccsbBroad304_00151		BC109064	582	BBS1	no errors	hORFeome V8.1 Collection	582	BBS1	NM_024649.4	Full Length 100% match
ccsbBroadEn_00152	ccsbBroad304_00152		BC001900	587	BCAT2	no errors	hORFeome V8.1 Collection	587	BCAT2	NM_001190.3	Full Length 100% match
ccsbBroadEn_00153	ccsbBroad304_00153		BC018141	590	BCHE	no errors	hORFeome V8.1 Collection	590	BCHE	NM_000055.2	Full Length 100% match
ccsbBroadEn_00154	ccsbBroad304_00154		BC040139	594	BCKDHB	1 synonymous error	hORFeome V8.1 Collection	594	BCKDHB	NM_000056.3; NM_183050.2	Full Length 100% match
ccsbBroadEn_00155	ccsbBroad304_00155		BC000076,BC025302	595	CCND1	no errors	hORFeome V8.1 Collection	595	CCND1	NM_053056.2	Full Length 100% match
ccsbBroadEn_00156	ccsbBroad304_00156		BC019307	598	BCL2L1	no errors	hORFeome V8.1 Collection	598	BCL2L1	NM_138578.1	Full Length 100% match
ccsbBroadEn_00157	ccsbBroad304_00157		BC113627	605	BCL7A	no errors	hORFeome V8.1 Collection	605	BCL7A	NM_020993.3	Full Length 100% match
ccsbBroadEn_00158	ccsbBroad304_00158		BC000416	617	BCS1L	no errors	hORFeome V8.1 Collection	617	BCS1L	NM_001079866.1; NM_004328.4	Full Length 100% match
ccsbBroadEn_00159	ccsbBroad304_00159		BC011964	622	BDH1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	622	BDH1	NM_004051.4; NM_203315.2; NM_203314.2	Full Length 100% match
ccsbBroadEn_00160	ccsbBroad304_00160		BC113432,BC113434	632	BGLAP	no errors	hORFeome V8.1 Collection	632	BGLAP	NM_199173.4	Full Length 100% match
ccsbBroadEn_00161	ccsbBroad304_00161		BC022072	637	BID	1 synonymous error	hORFeome V8.1 Collection	637	BID	NM_001196.2	Full Length 100% match
ccsbBroadEn_00162	ccsbBroad304_00162		BC001599	638	BIK	no errors	hORFeome V8.1 Collection	638	BIK	NM_001197.3	Full Length 100% match
ccsbBroadEn_00163	ccsbBroad304_00163		BC103832	639	PRDM1	no errors	hORFeome V8.1 Collection	639	PRDM1	NM_182907.1	Full Length 100% match
ccsbBroadEn_00164	ccsbBroad304_00164		BC003616	642	BLMH	no errors	hORFeome V8.1 Collection	642	BLMH	NM_000386.2	Full Length 100% match
ccsbBroadEn_00165	ccsbBroad304_00165		BC011652	648	BMI1	no errors	hORFeome V8.1 Collection	648	BMI1	NM_005180.6	Full Length 100% match
ccsbBroadEn_00166	ccsbBroad304_00166		BC027958	653	BMP5	no errors	hORFeome V8.1 Collection	653	BMP5	NM_021073.2	Full Length 100% match
ccsbBroadEn_00167	ccsbBroad304_00167		BC008584	655	BMP7	no errors	hORFeome V8.1 Collection	655	BMP7	NM_001719.2	Full Length 100% match
ccsbBroadEn_00168	ccsbBroad304_00168		BC047773,BC069803	658	BMPR1B	no errors	hORFeome V8.1 Collection	658	BMPR1B	NM_001203.2	Full Length 100% match
ccsbBroadEn_00169	ccsbBroad304_00169		BC052985	659	BMPR2	no errors	hORFeome V8.1 Collection	659	BMPR2	NM_001204.6	Full Length 100% match
ccsbBroadEn_00170	ccsbBroad304_00170		BC010959	662	BNIP1	no errors	hORFeome V8.1 Collection	662	BNIP1	NM_001205.2	Full Length 100% match
ccsbBroadEn_00171	ccsbBroad304_00171		BC001559,BC009603	665	BNIP3L	no errors	hORFeome V8.1 Collection	665	BNIP3L	NM_004331.2	Full Length 100% match
ccsbBroadEn_00172	ccsbBroad304_00172		BC017050	669	BPGM	no errors	hORFeome V8.1 Collection	669	BPGM	NM_199186.2; NM_001724.4	Full Length 100% match
ccsbBroadEn_00173	ccsbBroad304_00173		BC072418	672	BRCA1	no errors	hORFeome V8.1 Collection	672	BRCA1	NM_007299.3	Full Length 100% match
ccsbBroadEn_00174	ccsbBroad304_00174	454	BC112079	673	BRAF	no errors	hORFeome V8.1 Collection	673	BRAF	NM_004333.4	Full Length 100% match
ccsbBroadEn_00175	ccsbBroad304_00175		BC018340	677	ZFP36L1	no errors	hORFeome V8.1 Collection	677	ZFP36L1	NM_004926.2	Full Length 100% match
ccsbBroadEn_00176	ccsbBroad304_00176		BC033873	684	BST2	no errors	hORFeome V8.1 Collection	684	BST2	NM_004335.2	Full Length 100% match
ccsbBroadEn_00177	ccsbBroad304_00177		BC012099	686	BTD	no errors	hORFeome V8.1 Collection	686	BTD	NM_000060.2	Full Length 100% match
ccsbBroadEn_00178	ccsbBroad304_00178		BC008062	689	BTF3	no errors	hORFeome V8.1 Collection	689	BTF3	NM_001207.4	Full Length 100% match
ccsbBroadEn_00179	ccsbBroad304_00179		BC016759,BC064953	694	BTG1	no errors	hORFeome V8.1 Collection	694	BTG1	NM_001731.2	Full Length 100% match
ccsbBroadEn_00180	ccsbBroad304_00180		BC109079	695	BTK	no errors	hORFeome V8.1 Collection	695	BTK	NM_000061.2	Full Length 100% match
ccsbBroadEn_00181	ccsbBroad304_00181		BC008983	713	C1QB	no errors	hORFeome V8.1 Collection	713	C1QB	NM_000491.3	Full Length 100% match
ccsbBroadEn_00182	ccsbBroad304_00182		BC035220	715	C1R	no errors	hORFeome V8.1 Collection	715	C1R	NM_001733.4	Full Length 100% match
ccsbBroadEn_00183	ccsbBroad304_00183	454	BC056903	716	C1S	no errors	hORFeome V8.1 Collection	716	C1S	NM_001734.3; NM_201442.2	Full Length 100% match
ccsbBroadEn_00184	ccsbBroad304_00184	454	BC043484	717	C2	no errors	hORFeome V8.1 Collection	717	C2	NM_000063.4	Full Length 100% match
ccsbBroadEn_00185	ccsbBroad304_00185		BC020742	719	C3AR1	no errors	hORFeome V8.1 Collection	719	C3AR1	NM_004054.2	Full Length 100% match
ccsbBroadEn_00186	ccsbBroad304_00186		BC005378	725	C4BPB	no errors	hORFeome V8.1 Collection	725	C4BPB	NM_001017366.1; NM_001017364.1	Full Length 100% match
ccsbBroadEn_00187	ccsbBroad304_00187		BC018123	726	CAPN5	no errors	hORFeome V8.1 Collection	726	CAPN5	NM_004055.4	Full Length 100% match
ccsbBroadEn_00188	ccsbBroad304_00188		BC008982	728	C5AR1	no errors	hORFeome V8.1 Collection	728	C5AR1	NM_001736.3	Full Length 100% match
ccsbBroadEn_00189	ccsbBroad304_00189		BC063851	730	C7	no errors	hORFeome V8.1 Collection	730	C7	NM_000587.2	Full Length 100% match
ccsbBroadEn_00190	ccsbBroad304_00190		BC020721	735	C9	no errors	hORFeome V8.1 Collection	735	C9	NM_001737.3	Full Length 100% match
ccsbBroadEn_00191	ccsbBroad304_00191		BC004378	740	MRPL49	no errors	hORFeome V8.1 Collection	740	MRPL49	NM_004927.3	Full Length 100% match
ccsbBroadEn_00192	ccsbBroad304_00192		BC031582	744	MPPED2	no errors	hORFeome V8.1 Collection	744	MPPED2	NM_001584.2	Full Length 100% match
ccsbBroadEn_00193	ccsbBroad304_00193	454	BC002750,BC015968	746	C11orf10	no errors	hORFeome V8.1 Collection	746	C11orf10	NM_014206.3	Full Length 100% match
ccsbBroadEn_00194	ccsbBroad304_00194	454	BC093751	750	C16orf3	no errors	hORFeome V8.1 Collection	750	C16orf3	NM_001214.3	Full Length 100% match
ccsbBroadEn_00195	ccsbBroad304_00195		BC030199	753	C18orf1	no errors	hORFeome V8.1 Collection	753	C18orf1	NM_181482.3	Full Length 100% match
ccsbBroadEn_00196	ccsbBroad304_00196	454	BC000569	757	TMEM50B	no errors	hORFeome V8.1 Collection	757	TMEM50B	NM_006134.5	Full Length 100% match
ccsbBroadEn_00197	ccsbBroad304_00197		BC028035	758	MPPED1	no errors	hORFeome V8.1 Collection	758	MPPED1	NM_001044370.1	Full Length 100% match
ccsbBroadEn_00198	ccsbBroad304_00198		BC027890	759	CA1	no errors	hORFeome V8.1 Collection	759	CA1	NM_001738.3; NM_001128829.2; NM_001128830.2; NM_001128831.2; NM_001164830.1	Full Length 100% match
ccsbBroadEn_00199	ccsbBroad304_00199		BC057792,BC069649	762	CA4	no errors	hORFeome V8.1 Collection	762	CA4	NM_000717.3	Full Length 100% match
ccsbBroadEn_00200	ccsbBroad304_00200		BC069794	767	CA8	no errors	hORFeome V8.1 Collection	767	CA8	NM_004056.4	Full Length 100% match
ccsbBroadEn_00201	ccsbBroad304_00201		BC002662	770	CA11	no errors	hORFeome V8.1 Collection	770	CA11	NM_001217.3	Full Length 100% match
ccsbBroadEn_00202	ccsbBroad304_00202	454	BC075049	785	CACNB4	no errors	hORFeome V8.1 Collection	785	CACNB4	NM_000726.3	Full Length 100% match



ccsbBroadEn_00203	ccsbBroad304_00203		BC113486,BC113492	786	CACNG1	no errors	hORFeome V8.1 Collection	786	CACNG1	NM_000727.3	Full Length 100% match
ccsbBroadEn_00204	ccsbBroad304_00204		BC069760	796	CALCA	no errors	hORFeome V8.1 Collection	796	CALCA	NM_001741.2;	Full Length 100% match
ccsbBroadEn_00205	ccsbBroad304_00205		BC008428	797	CALCB	no errors	hORFeome V8.1 Collection	797	CALCB	NM_001033952.2	Full Length 100% match
ccsbBroadEn_00206	ccsbBroad304_00206		BC040354	800	CALD1	no errors	hORFeome V8.1 Collection	800	CALD1	NM_000728.3	Full Length 100% match
ccsbBroadEn_00207	ccsbBroad304_00207		BC003354,BC026065	805	CALM2	no errors	hORFeome V8.1 Collection	805	CALM2	NM_004342.6	Full Length 100% match
ccsbBroadEn_00208	ccsbBroad304_00208		BC005137	808	CALM3	no errors	hORFeome V8.1 Collection	808	CALM3	NM_001743.4	Full Length 100% match
ccsbBroadEn_00209	ccsbBroad304_00209		BC031889	810	CALML3	no errors	hORFeome V8.1 Collection	810	CALML3	NM_005184.2	Full Length 100% match
ccsbBroadEn_00210	ccsbBroad304_00210		BC002500,BC020493	811	CALR	no errors	hORFeome V8.1 Collection	811	CALR	NM_005185.2	Full Length 100% match
ccsbBroadEn_00211	ccsbBroad304_00211		BC013383	813	CALU	no errors	hORFeome V8.1 Collection	813	CALU	NM_004343.3	Full Length 100% match
ccsbBroadEn_00212	ccsbBroad304_00212		BC130325,CCSB53226	819	CAMLG	no errors	hORFeome V8.1 Collection	819	CAMLG	NM_001219.4	Full Length 100% match
ccsbBroadEn_00213	ccsbBroad304_00213		BC055089	820	CAMP	no errors	hORFeome V8.1 Collection	820	CAMP	NM_001745.2	Full Length 100% match
ccsbBroadEn_00214	ccsbBroad304_00214		BC017200	823	CAPN1	no errors	hORFeome V8.1 Collection	823	CAPN1	NM_004345.3	Full Length 100% match
ccsbBroadEn_00215	ccsbBroad304_00215		BC003169	825	CAPN3	no errors	hORFeome V8.1 Collection	825	CAPN3	NM_005186.3;	Full Length 100% match
ccsbBroadEn_00216	ccsbBroad304_00216		BC003521,BC004883	825	CAPN3	no errors	hORFeome V8.1 Collection	825	CAPN3	NM_001198868.1;	Full Length 100% match
ccsbBroadEn_00217	ccsbBroad304_00217		BC000730	827	CAPN6	no errors	hORFeome V8.1 Collection	827	CAPN6	NM_001198869.1	Full Length 100% match
ccsbBroadEn_00218	ccsbBroad304_00218		BC109241	832	CAPZB	no errors	hORFeome V8.1 Collection	832	CAPZB	NM_173089.1;	Full Length 100% match
ccsbBroadEn_00219	ccsbBroad304_00219		BC002880	833	CARS	no errors	hORFeome V8.1 Collection	833	CARS	NM_173090.1	Full Length 100% match
ccsbBroadEn_00220	ccsbBroad304_00220		BC062327	834	CASP1	no errors	hORFeome V8.1 Collection	834	CASP1	NM_014289.3	Full Length 100% match
ccsbBroadEn_00221	ccsbBroad304_00221		BC016926	836	CASP3	no errors	hORFeome V8.1 Collection	836	CASP3	NM_004930.3	Full Length 100% match
ccsbBroadEn_00222	ccsbBroad304_00222		BC000305	839	CASP6	no errors	hORFeome V8.1 Collection	839	CASP6	NM_001751.5	Full Length 100% match
ccsbBroadEn_00223	ccsbBroad304_00223		BC002452,BC006463	842	CASP9	no errors	hORFeome V8.1 Collection	842	CASP9	NM_033293.2	Full Length 100% match
ccsbBroadEn_00224	Failed LR reaction		BC042844	843	CASP10	no errors	hORFeome V8.1 Collection	843	CASP10	NM_004346.3;	Full Length 100% match
ccsbBroadEn_00225	ccsbBroad304_00225		BC110398,BC112219	847	CAT	no errors	hORFeome V8.1 Collection	847	CAT	NM_032991.2	Full Length 100% match
ccsbBroadEn_00226	ccsbBroad304_00226		BC009685	857	CAV1	no errors	hORFeome V8.1 Collection	857	CAV1	NM_001226.3	Full Length 100% match
ccsbBroadEn_00227	ccsbBroad304_00227		BC005256	858	CAV2	no errors	hORFeome V8.1 Collection	858	CAV2	NM_001229.3	Full Length 100% match
ccsbBroadEn_00228	ccsbBroad304_00228		BC102036	859	CAV3	no errors	hORFeome V8.1 Collection	859	CAV3	NM_032977.3	Full Length 100% match
ccsbBroadEn_00229	Failed LR reaction	454	BC136381	861	RUNX1	no errors	hORFeome V8.1 Collection	861	RUNX1	NM_001752.3	Full Length 100% match
ccsbBroadEn_00230	Failed LR reaction	454	BC013362	864	RUNX3	no errors	hORFeome V8.1 Collection	864	RUNX3	NM_001753.4	Full Length 100% match
ccsbBroadEn_00231	ccsbBroad304_00231		BC018509	865	CBFB	no errors	hORFeome V8.1 Collection	865	CBFB	NM_001233.3	Full Length 100% match
ccsbBroadEn_00232	ccsbBroad304_00232		BC056259,BC058021	866	SERPINA6	no errors	hORFeome V8.1 Collection	866	SERPINA6	NM_001234.3;	Full Length 100% match
ccsbBroadEn_00233	ccsbBroad304_00233		BC002511,BC015640	873	CBR1	no errors	hORFeome V8.1 Collection	873	CBR1	NM_033337.2	Full Length 100% match
ccsbBroadEn_00234	ccsbBroad304_00234		BC008283	885	CCK	no errors	hORFeome V8.1 Collection	885	CCK	NM_001754.4	Full Length 100% match
ccsbBroadEn_00235	ccsbBroad304_00235	454	BC094684	889	KRIT1	no errors	hORFeome V8.1 Collection	889	KRIT1	NM_001031680.2	Full Length 100% match
ccsbBroadEn_00236	Failed LR reaction		BC056153	892	CCNC	no errors	hORFeome V8.1 Collection	892	CCNC	NM_001755.2	Full Length 100% match
ccsbBroadEn_00237	ccsbBroad304_00237		BC011616	896	CCND3	no errors	hORFeome V8.1 Collection	896	CCND3	NM_194454.1;	Full Length 100% match
ccsbBroadEn_00238	ccsbBroad304_00238		BC035498	898	CCNE1	no errors	hORFeome V8.1 Collection	898	CCNE1	NM_194455.1;	Full Length 100% match
ccsbBroadEn_00239	ccsbBroad304_00239		BC000196	900	CCNG1	no errors	hORFeome V8.1 Collection	900	CCNG1	NM_194456.1	Full Length 100% match
ccsbBroadEn_00240	ccsbBroad304_00240		BC005280,BC016823	902	CCNH	no errors	hORFeome V8.1 Collection	902	CCNH	NM_004912.3;	Full Length 100% match
ccsbBroadEn_00241	ccsbBroad304_00241		BC106942	908	CCT6A	no errors	hORFeome V8.1 Collection	908	CCT6A	NM_000729.4	Full Length 100% match
ccsbBroadEn_00242	ccsbBroad304_00242		BC069481	910	CD1B	no errors	hORFeome V8.1 Collection	910	CD1B	NM_194454.1;	Full Length 100% match
ccsbBroadEn_00243	ccsbBroad304_00243		BC027926	912	CD1D	no errors	hORFeome V8.1 Collection	912	CD1D	NM_194455.1;	Full Length 100% match
ccsbBroadEn_00244	ccsbBroad304_00244		BC070321	915	CD3D	no errors	hORFeome V8.1 Collection	915	CD3D	NM_194456.1	Full Length 100% match
ccsbBroadEn_00245	ccsbBroad304_00245		BC113830	917	CD3G	no errors	hORFeome V8.1 Collection	917	CD3G	NM_005190.3	Full Length 100% match
ccsbBroadEn_00246	ccsbBroad304_00246		BC025703	919	CD247	no errors	hORFeome V8.1 Collection	919	CD247	NM_001760.3	Full Length 100% match
ccsbBroadEn_00247	ccsbBroad304_00247		BC033586	922	CD5L	no errors	hORFeome V8.1 Collection	922	CD5L	NM_001238.1	Full Length 100% match
ccsbBroadEn_00248	ccsbBroad304_00248		BC009293,BC013297	924	CD7	no errors	hORFeome V8.1 Collection	924	CD7	NM_004060.3;	Full Length 100% match
ccsbBroadEn_00249	ccsbBroad304_00249		BC010507	929	CD14	no errors	hORFeome V8.1 Collection	929	CD14	NM_199246.1	Full Length 100% match
ccsbBroadEn_00250	ccsbBroad304_00250		BC006338	930	CD19	no errors	hORFeome V8.1 Collection	930	CD19	NM_001239.3	Full Length 100% match
ccsbBroadEn_00251	ccsbBroad304_00251		BC002807	931	MS4A1	no errors	hORFeome V8.1 Collection	931	MS4A1	NM_001762.3	Full Length 100% match
ccsbBroadEn_00252	ccsbBroad304_00252		BC008487	932	MS4A3	no errors	hORFeome V8.1 Collection	932	MS4A3	NM_001764.2	Full Length 100% match
ccsbBroadEn_00253	ccsbBroad304_00253		BC012160	939	CD27	no errors	hORFeome V8.1 Collection	939	CD27	NM_001766.3	Full Length 100% match
ccsbBroadEn_00254	ccsbBroad304_00254	454	BC112085	940	CD28	no errors	hORFeome V8.1 Collection	940	CD28	NM_001768.2	Full Length 100% match
ccsbBroadEn_00255	ccsbBroad304_00255	454	BC042665	941	CD80	no errors	hORFeome V8.1 Collection	941	CD80	NM_001769.3	Full Length 100% match
ccsbBroadEn_00256	ccsbBroad304_00256	454	BC093630	944	TNFSF8	no errors	hORFeome V8.1 Collection	944	TNFSF8	NM_005191.3	Full Length 100% match
ccsbBroadEn_00257	ccsbBroad304_00257		BC021892	950	SCARB2	no errors	hORFeome V8.1 Collection	950	SCARB2	NM_001244.2	Full Length 100% match
ccsbBroadEn_00258	ccsbBroad304_00258		BC007964	952	CD38	no errors	hORFeome V8.1 Collection	952	CD38	NM_005506.2	Full Length 100% match
ccsbBroadEn_00259	ccsbBroad304_00259		BC012419	958	CD40	no errors	hORFeome V8.1 Collection	958	CD40	NM_001775.2	Full Length 100% match
ccsbBroadEn_00260	ccsbBroad304_00260		BC016182	962	CD48	no errors	hORFeome V8.1 Collection	962	CD48	NM_001250.4	Full Length 100% match
ccsbBroadEn_00261	ccsbBroad304_00261	454	BC040693	963	CD53	no errors	hORFeome V8.1 Collection	963	CD53	NM_001778.2	Full Length 100% match
ccsbBroadEn_00262	ccsbBroad304_00262		BC001506	966	CD59	no errors	hORFeome V8.1 Collection	966	CD59	NM_000560.3;	Full Length 100% match
ccsbBroadEn_00263	ccsbBroad304_00263		BC015557	968	CD68	no errors	hORFeome V8.1 Collection	968	CD68	NM_001040021.2;	Full Length 100% match
ccsbBroadEn_00264	ccsbBroad304_00264		BC007037	969	CD69	no errors	hORFeome V8.1 Collection	969	CD69	NM_001174104.1;	Full Length 100% match
ccsbBroadEn_00265	ccsbBroad304_00265		BC030227	971	CD72	no errors	hORFeome V8.1 Collection	971	CD72	NM_001174105.1	Full Length 100% match
ccsbBroadEn_00266	ccsbBroad304_00266		BC018726	972	CD74	no errors	hORFeome V8.1 Collection	972	CD74	NM_021950.3;	Full Length 100% match
ccsbBroadEn_00267	ccsbBroad304_00267		BC113731,BC113733	973	CD79A	no errors	hORFeome V8.1 Collection	973	CD79A	NM_152866.2	Full Length 100% match
ccsbBroadEn_00268	ccsbBroad304_00268		BC002978	975	CD81	no errors	hORFeome V8.1 Collection	975	CD81	NM_006138.4	Full Length 100% match
ccsbBroadEn_00269	ccsbBroad304_00269	454	BC026690	976	CD97	no errors	hORFeome V8.1 Collection	976	CD97	NM_001242.4	Full Length 100% match
ccsbBroadEn_00270	ccsbBroad304_00270		BC014563	983	CDK1	no errors	hORFeome V8.1 Collection	983	CDK1	NM_006139.2	Full Length 100% match
ccsbBroadEn_00271	ccsbBroad304_00271		BC001088,BC031294	991	CDC20	no errors	hORFeome V8.1 Collection	991	CDC20	NM_005193.3	Full Length 100% match
ccsbBroadEn_00272	ccsbBroad304_00272		BC007401,BC018642	993	CDC25A	no errors	hORFeome V8.1 Collection	993	CDC25A	NM_001244.2	Full Length 100% match



ccsbBroadEn_00273	ccsbBroad304_00273	454	BC051711	994	CDC25B	no errors	hORFeome V8.1 Collection	994	CDC25B	NM_021873.2	Full Length 100% match
ccsbBroadEn_00274	ccsbBroad304_00274		BC009850,BC023979	997	CDC34	no errors	hORFeome V8.1 Collection	997	CDC34	NM_004359.1	Full Length 100% match
ccsbBroadEn_00275	ccsbBroad304_00275		BC027912	1014	CDH16	no errors	hORFeome V8.1 Collection	1014	CDH16	NM_004062.2	Full Length 100% match
ccsbBroadEn_00276	ccsbBroad304_00276		BC003065	1017	CDK2	no errors	hORFeome V8.1 Collection	1017	CDK2	NM_001798.3	Full Length 100% match
ccsbBroadEn_00277	ccsbBroad304_00277		BC003644,BC010153	1019	CDK4	no errors	hORFeome V8.1 Collection	1019	CDK4	NM_000075.2	Full Length 100% match
ccsbBroadEn_00278	ccsbBroad304_00278		BC005115	1020	CDK5	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	1020	CDK5	NM_004935.3	Full Length 100% match
ccsbBroadEn_00279	ccsbBroad304_00279		BC052264	1021	CDK6	no errors	hORFeome V8.1 Collection	1021	CDK6	NM_001259.6;	Full Length 100% match
ccsbBroadEn_00280	ccsbBroad304_00280		BC000834	1022	CDK7	no errors	hORFeome V8.1 Collection	1022	CDK7	NM_00145306.1	Full Length 100% match
ccsbBroadEn_00281	ccsbBroad304_00281		BC104492	1024	CDK8	no errors	hORFeome V8.1 Collection	1024	CDK8	NM_001799.3	Full Length 100% match
ccsbBroadEn_00282	ccsbBroad304_00282		BC000275,BC000312	1026	CDKN1A	no errors	hORFeome V8.1 Collection	1026	CDKN1A	NM_001260.1	Full Length 100% match
ccsbBroadEn_00283	ccsbBroad304_00283		BC000598	1031	CDKN2C	no errors	hORFeome V8.1 Collection	1031	CDKN2C	NM_000389.4;	Full Length 100% match
ccsbBroadEn_00284	ccsbBroad304_00284		BC001822	1032	CDKN2D	no errors	hORFeome V8.1 Collection	1032	CDKN2D	NM_078467.2	Full Length 100% match
ccsbBroadEn_00285	ccsbBroad304_00285		BC064965	1033	CDKN3	no errors	hORFeome V8.1 Collection	1033	CDKN3	NM_001262.2;	Full Length 100% match
ccsbBroadEn_00286	ccsbBroad304_00286	454	BC074881	1040	CDS1	no errors	hORFeome V8.1 Collection	1040	CDS1	NM_001800.3;	Full Length 100% match
ccsbBroadEn_00287	ccsbBroad304_00287		BC128233	1046	CDX4	no errors	hORFeome V8.1 Collection	1046	CDX4	NM_079421.2	Full Length 100% match
ccsbBroadEn_00288	ccsbBroad304_00288		BC028357	1047	CLGN	no errors	hORFeome V8.1 Collection	1047	CLGN	NM_004362.2;	Full Length 100% match
ccsbBroadEn_00289	ccsbBroad304_00289		BC035797	1053	CEBPE	no errors	hORFeome V8.1 Collection	1053	CEBPE	NM_001130675.1	Full Length 100% match
ccsbBroadEn_00290	ccsbBroad304_00290		BC007582,BC013128	1054	CEBPG	no errors	hORFeome V8.1 Collection	1054	CEBPG	NM_001805.2	Full Length 100% match
ccsbBroadEn_00291	ccsbBroad304_00291		BC000881	1058	CENPA	no errors	hORFeome V8.1 Collection	1058	CENPA	NM_001806.2	Full Length 100% match
ccsbBroadEn_00292	ccsbBroad304_00292		BC002703	1058	CENPA	no errors	hORFeome V8.1 Collection	1058	CENPA	NM_001042426.1	Full Length 100% match
ccsbBroadEn_00293	ccsbBroad304_00293		BC029515	1068	CETN1	no errors	hORFeome V8.1 Collection	1068	CETN1	NM_001809.3	Full Length 100% match
ccsbBroadEn_00294	ccsbBroad304_00294		BC005383	1070	CETN3	no errors	hORFeome V8.1 Collection	1070	CETN3	NM_004066.1	Full Length 100% match
ccsbBroadEn_00295	Failed LR reaction		BC018256	1072	CFL1	no errors	hORFeome V8.1 Collection	1072	CFL1	NM_004365.2	Full Length 100% match
ccsbBroadEn_00296	ccsbBroad304_00296		BC106728	1084	CEACAM3	no errors	hORFeome V8.1 Collection	1084	CEACAM3	NM_005507.2	Full Length 100% match
ccsbBroadEn_00297	ccsbBroad304_00297		BC026263	1088	CEACAM8	no errors	hORFeome V8.1 Collection	1088	CEACAM8	NM_001815.2	Full Length 100% match
ccsbBroadEn_00298	ccsbBroad304_00298		BC036360	1101	CHAD	no errors	hORFeome V8.1 Collection	1101	CHAD	NM_001816.3	Full Length 100% match
ccsbBroadEn_00299	ccsbBroad304_00299		BC029052	1102	RCBTB2	no errors	hORFeome V8.1 Collection	1102	RCBTB2	NM_001267.2	Full Length 100% match
ccsbBroadEn_00300	ccsbBroad304_00300		BC007300,BC036903	1104	RCC1	no errors	hORFeome V8.1 Collection	1104	RCC1	NM_001268.2	Full Length 100% match
ccsbBroadEn_00301	ccsbBroad304_00301		BC007347	1106	CHD2	no errors	hORFeome V8.1 Collection	1106	CHD2	NM_001048199.2;	Full Length 100% match
ccsbBroadEn_00302	ccsbBroad304_00302		BC007506	1112	FOXN3	no errors	hORFeome V8.1 Collection	1112	FOXN3	NM_001042572.2	Full Length 100% match
ccsbBroadEn_00303	ccsbBroad304_00303		BC011393	1123	CHN1	no errors	hORFeome V8.1 Collection	1123	CHN1	NM_005197.3	Full Length 100% match
ccsbBroadEn_00304	ccsbBroad304_00304		BC106742	1129	CHRM2	no errors	hORFeome V8.1 Collection	1129	CHRM2	NM_001822.4	Full Length 100% match
ccsbBroadEn_00305	ccsbBroad304_00305		BC121026	1131	CHRM3	no errors	hORFeome V8.1 Collection	1131	CHRM3	NM_000739.2;	Full Length 100% match
ccsbBroadEn_00306	ccsbBroad304_00306	454	BC137535	1132	CHRM4	no errors	hORFeome V8.1 Collection	1132	CHRM4	NM_001006626.1;	Full Length 100% match
ccsbBroadEn_00307	ccsbBroad304_00307		BC006114	1136	CHRNA3	no errors	hORFeome V8.1 Collection	1136	CHRNA3	NM_001006631.1;	Full Length 100% match
ccsbBroadEn_00308	ccsbBroad304_00308		BC011371	1140	CHRN1	no errors	hORFeome V8.1 Collection	1140	CHRN1	NM_001006629.1;	Full Length 100% match
ccsbBroadEn_00309	ccsbBroad304_00309	454	BC075040	1141	CHRN2	no errors	hORFeome V8.1 Collection	1141	CHRN2	NM_001006632.1;	Full Length 100% match
ccsbBroadEn_00310	ccsbBroad304_00310	454	BC096080	1143	CHRN4	no errors	hORFeome V8.1 Collection	1143	CHRN4	NM_001006628.1;	Full Length 100% match
ccsbBroadEn_00311	ccsbBroad304_00311	454	BC093923	1144	CHRNA3	no errors	hORFeome V8.1 Collection	1144	CHRNA3	NM_001006630.1;	Full Length 100% match
ccsbBroadEn_00312	ccsbBroad304_00312		BC000403	1153	CIRBP	no errors	hORFeome V8.1 Collection	1153	CIRBP	NM_001006627.1	Full Length 100% match
ccsbBroadEn_00313	ccsbBroad304_00313		BC005969,BC052812	1155	TBCB	no errors	hORFeome V8.1 Collection	1155	TBCB	NM_000740.2	Full Length 100% match
ccsbBroadEn_00314	ccsbBroad304_00314		BC121001	1159	CKMT1B	no errors	hORFeome V8.1 Collection	1159	CKMT1B	NM_000741.2	Full Length 100% match
ccsbBroadEn_00315	ccsbBroad304_00315		BC029140	1160	CKMT2	no errors	hORFeome V8.1 Collection	1160	CKMT2	NM_001166694.1	Full Length 100% match
ccsbBroadEn_00316	ccsbBroad304_00316		BC007751,BC015629	1163	CKS1B	no errors	hORFeome V8.1 Collection	1163	CKS1B	NM_000747.2	Full Length 100% match
ccsbBroadEn_00317	ccsbBroad304_00317		BC006458	1164	CKS2	no errors	hORFeome V8.1 Collection	1164	CKS2	NM_000748.2	Full Length 100% match
ccsbBroadEn_00318	ccsbBroad304_00318		BC004996,BC014030	1173	AP2M1	no errors	hORFeome V8.1 Collection	1173	AP2M1	NM_000750.3	Full Length 100% match
ccsbBroadEn_00319	ccsbBroad304_00319		BC006337	1175	AP2S1	no errors	hORFeome V8.1 Collection	1175	AP2S1	NM_000751.1	Full Length 100% match
ccsbBroadEn_00320	ccsbBroad304_00320		BC000804	1176	AP3S1	no errors	hORFeome V8.1 Collection	1176	AP3S1	NM_001280.2	Full Length 100% match
ccsbBroadEn_00321	ccsbBroad304_00321		BC130278	1183	CLCN4	no errors	hORFeome V8.1 Collection	1183	CLCN4	NM_001281.2	Full Length 100% match
ccsbBroadEn_00322	ccsbBroad304_00322		BC130429,BC130431	1184	CLCN5	no errors	hORFeome V8.1 Collection	1184	CLCN5	NM_000753.3	Full Length 100% match
ccsbBroadEn_00323	ccsbBroad304_00323		BC010514,BC019588	1191	CLU	1 synonymous error	hORFeome V8.1 Collection	1191	CLU	NM_000828.2	Full Length 100% match
ccsbBroadEn_00324	ccsbBroad304_00324		BC064527	1192	CLIC1	no errors	hORFeome V8.1 Collection	1192	CLIC1	NM_203339.1	Full Length 100% match
ccsbBroadEn_00325	ccsbBroad304_00325		BC022305	1193	CLIC2	no errors	hORFeome V8.1 Collection	1193	CLIC2	NM_001288.4	Full Length 100% match
ccsbBroadEn_00326	ccsbBroad304_00326		BC031549	1195	CLK1	no errors	hORFeome V8.1 Collection	1195	CLK1	NM_001289.4	Full Length 100% match
ccsbBroadEn_00327	ccsbBroad304_00327		BC014067	1196	CLK2	no errors	hORFeome V8.1 Collection	1196	CLK2	NM_004071.3	Full Length 100% match
ccsbBroadEn_00328	ccsbBroad304_00328		BC002555	1198	CLK3	no errors	hORFeome V8.1 Collection	1198	CLK3	NM_003993.2	Full Length 100% match
ccsbBroadEn_00329	ccsbBroad304_00329		BC009201,BC019287	1211	CLTA	no errors	hORFeome V8.1 Collection	1211	CLTA	NM_003992.4	Full Length 100% match
ccsbBroadEn_00330	ccsbBroad304_00330		BC069370	1215	CMA1	no errors	hORFeome V8.1 Collection	1215	CMA1	NM_001833.3	Full Length 100% match
ccsbBroadEn_00331	ccsbBroad304_00331		BC051306,BC064991	1230	CCR1	no errors	hORFeome V8.1 Collection	1230	CCR1	NM_001836.2	Full Length 100% match
ccsbBroadEn_00332	ccsbBroad304_00332		BC033514	1232	CCR3	no errors	hORFeome V8.1 Collection	1232	CCR3	NM_001295.2	Full Length 100% match
ccsbBroadEn_00333	ccsbBroad304_00333		BC037960	1235	CCR6	no errors	hORFeome V8.1 Collection	1235	CCR6	NM_178329.2;	Full Length 100% match
ccsbBroadEn_00334	ccsbBroad304_00334		BC008816,BC020558	1238	CCBP2	no errors	hORFeome V8.1 Collection	1238	CCBP2	NM_001837.3	Full Length 100% match
ccsbBroadEn_00335	ccsbBroad304_00335		BC106927	1240	CMKLR1	no errors	hORFeome V8.1 Collection	1240	CMKLR1	NM_031409.3;	Full Length 100% match
ccsbBroadEn_00336	ccsbBroad304_00336		BC096298	1261	CNGA3	no errors	hORFeome V8.1 Collection	1261	CNGA3	NM_004367.5	Full Length 100% match
ccsbBroadEn_00337	ccsbBroad304_00337		BC106936	1262	CNGA4	no errors	hORFeome V8.1 Collection	1262	CNGA4	NM_001296.4	Full Length 100% match
ccsbBroadEn_00338	ccsbBroad304_00338		BC022015,BC036307	1264	CNN1	no errors	hORFeome V8.1 Collection	1264	CNN1	NM_001142343.1;	Full Length 100% match
ccsbBroadEn_00339	ccsbBroad304_00339		BC025372	1266	CNN3	no errors	hORFeome V8.1 Collection	1266	CNN3	NM_001142344.1;	Full Length 100% match
ccsbBroadEn_00340	ccsbBroad304_00340		BC068030	1270	CNTF	no errors	hORFeome V8.1 Collection	1270	CNTF	NM_001142345.1	Full Length 100% match
ccsbBroadEn_00341	ccsbBroad304_00341		BC001492	1271	CNTFR	no errors	hORFeome V8.1 Collection	1271	CNTFR	NM_001298.2	Full Length 100% match
ccsbBroadEn_00342	ccsbBroad304_00342		BC013581	1295	COL8A1	no errors	hORFeome V8.1 Collection	1295	COL8A1	NM_001037329.2	Full Length 100% match
ccsbBroadEn_00343	ccsbBroad304_00343		BC130621,BC130623	1300	COL10A1	no errors	hORFeome V8.1 Collection	1300	COL10A1	NM_001299.4	Full Length 100% match
ccsbBroadEn_00344	ccsbBroad304_00344		BC125092	1311	COMP	no errors	hORFeome V8.1 Collection	1311	COMP	NM_001839.3	Full Length 100% match



ccsbBroadEn_00345	ccsbBroad304_00345		BC013611	1317	SLC31A1	no errors	hORFeome V8.1 Collection	1317	SLC31A1	NM_001859.3	Full Length 100% match
ccsbBroadEn_00346	ccsbBroad304_00346		BC026252	1318	SLC31A2	no errors	hORFeome V8.1 Collection	1318	SLC31A2	NM_001860.2	Full Length 100% match
ccsbBroadEn_00347	ccsbBroad304_00347		BC119724	1325	CORT	no errors	hORFeome V8.1 Collection	1325	CORT	NM_001302.4	Full Length 100% match
ccsbBroadEn_00348	ccsbBroad304_00348		BC113566	1326	MAP3K8	no errors	hORFeome V8.1 Collection	1326	MAP3K8	NM_005204.2	Full Length 100% match
ccsbBroadEn_00349	ccsbBroad304_00349		BC008704,BC021236	1327	COX4I1	no errors	hORFeome V8.1 Collection	1327	COX4I1	NM_001861.2	Full Length 100% match
ccsbBroadEn_00350	ccsbBroad304_00350		BC006229	1329	COX5B	no errors	hORFeome V8.1 Collection	1329	COX5B	NM_001862.2	Full Length 100% match
ccsbBroadEn_00351	ccsbBroad304_00351		BC007723	1337	COX6A1	no errors	hORFeome V8.1 Collection	1337	COX6A1	NM_004373.2	Full Length 100% match
ccsbBroadEn_00352	ccsbBroad304_00352		BC029818	1339	COX6A2	no errors	hORFeome V8.1 Collection	1339	COX6A2	NM_005205.2	Full Length 100% match
ccsbBroadEn_00353	ccsbBroad304_00353		BC001015,BC002478	1340	COX6B1	no errors	hORFeome V8.1 Collection	1340	COX6B1	NM_001863.4	Full Length 100% match
ccsbBroadEn_00354	ccsbBroad304_00354		BC001005,BC007498	1350	COX7C	no errors	hORFeome V8.1 Collection	1350	COX7C	NM_001867.2	Full Length 100% match
ccsbBroadEn_00355	ccsbBroad304_00355		BC063025	1351	COX8A	no errors	hORFeome V8.1 Collection	1351	COX8A	NM_004074.2	Full Length 100% match
ccsbBroadEn_00356	ccsbBroad304_00356	454	BC045624,BC051702	1362	CPD	no errors	hORFeome V8.1 Collection	1362	CPD	NM_001304.4	Full Length 100% match
ccsbBroadEn_00357	ccsbBroad304_00357		BC016056	1365	CLDN3	no errors	hORFeome V8.1 Collection	1365	CLDN3	NM_001306.3	Full Length 100% match
ccsbBroadEn_00358	ccsbBroad304_00358		BC071844	1366	CLDN7	no errors	hORFeome V8.1 Collection	1366	CLDN7	NM_001307.5; NM_001185022.1	Full Length 100% match
ccsbBroadEn_00359	ccsbBroad304_00359		BC000185	1374	CPT1A	no errors	hORFeome V8.1 Collection	1374	CPT1A	NM_001031847.2	Full Length 100% match
ccsbBroadEn_00360	ccsbBroad304_00360		BC010636	1385	CREB1	no errors	hORFeome V8.1 Collection	1385	CREB1	NM_134442.3	Full Length 100% match
ccsbBroadEn_00361	ccsbBroad304_00361		BC130335,BC130337	1386	ATF2	no errors	hORFeome V8.1 Collection	1386	ATF2	NM_001880.2	Full Length 100% match
ccsbBroadEn_00362	ccsbBroad304_00362		BC018038	1393	CRHBP	no errors	hORFeome V8.1 Collection	1393	CRHBP	NM_001882.3	Full Length 100% match
ccsbBroadEn_00363	ccsbBroad304_00363		BC002738	1396	CRIP1	no errors	hORFeome V8.1 Collection	1396	CRIP1	NM_001311.4	Full Length 100% match
ccsbBroadEn_00364	ccsbBroad304_00364		BC000434,BC034151	1397	CRIP2	no errors	hORFeome V8.1 Collection	1397	CRIP2	NM_001312.2	Full Length 100% match
ccsbBroadEn_00365	ccsbBroad304_00365		BC125135	1401	CRP	no errors	hORFeome V8.1 Collection	1401	CRP	NM_000567.2	Full Length 100% match
ccsbBroadEn_00366	ccsbBroad304_00366		BC069537	1411	CRYBA1	no errors	hORFeome V8.1 Collection	1411	CRYBA1	NM_005208.4	Full Length 100% match
ccsbBroadEn_00367	ccsbBroad304_00367		BC036790	1414	CRYBB1	no errors	hORFeome V8.1 Collection	1414	CRYBB1	NM_001887.3	Full Length 100% match
ccsbBroadEn_00368	ccsbBroad304_00368	454	BC074954	1420	CRYGC	no errors	hORFeome V8.1 Collection	1420	CRYGC	NM_020989.3	Full Length 100% match
ccsbBroadEn_00369	ccsbBroad304_00369		BC069478	1427	CRYGS	no errors	hORFeome V8.1 Collection	1427	CRYGS	NM_017541.2	Full Length 100% match
ccsbBroadEn_00370	ccsbBroad304_00370		BC010106	1431	CS	no errors	hORFeome V8.1 Collection	1431	CS	NM_004077.2	Full Length 100% match
ccsbBroadEn_00371	ccsbBroad304_00371		BC000092,BC031574	1432	MAPK14	no errors	hORFeome V8.1 Collection	1432	MAPK14	NM_139012.2	Full Length 100% match
ccsbBroadEn_00372	Failed LR reaction		BC113999	1437	CSF2	no errors	hORFeome V8.1 Collection	1437	CSF2	NM_000758.2	Full Length 100% match
ccsbBroadEn_00373	ccsbBroad304_00373		BC002717,BC020756	1442	CSH1	no errors	hORFeome V8.1 Collection	1442	CSH1	NM_001317.3	Full Length 100% match
ccsbBroadEn_00374	ccsbBroad304_00374		BC022044,BC035965	1443	CSH2	no errors	hORFeome V8.1 Collection	1443	CSH2	NM_020991.3	Full Length 100% match
ccsbBroadEn_00375	ccsbBroad304_00375	454	BC029365	1444	CSHL1	no errors	hORFeome V8.1 Collection	1444	CSHL1	NM_001318.2	Full Length 100% match
ccsbBroadEn_00376	ccsbBroad304_00376	454	BC106073	1445	CSK	no errors	hORFeome V8.1 Collection	1445	CSK	NM_001127190.1; NM_004383.2	Full Length 100% match
ccsbBroadEn_00377	ccsbBroad304_00377		BC096194	1447	CSN2	no errors	hORFeome V8.1 Collection	1447	CSN2	NM_001891.2	Full Length 100% match
ccsbBroadEn_00378	ccsbBroad304_00378		BC015775	1453	CSNK1D	no errors	hORFeome V8.1 Collection	1453	CSNK1D	NM_139062.1	Full Length 100% match
ccsbBroadEn_00379	ccsbBroad304_00379		BC006490	1454	CSNK1E	no errors	hORFeome V8.1 Collection	1454	CSNK1E	NM_001894.4; NM_152221.2	Full Length 100% match
ccsbBroadEn_00380	ccsbBroad304_00380		BC018693	1455	CSNK1G2	no errors	hORFeome V8.1 Collection	1455	CSNK1G2	NM_001319.6	Full Length 100% match
ccsbBroadEn_00381	ccsbBroad304_00381		BC011668,BC053532	1457	CSNK2A1	no errors	hORFeome V8.1 Collection	1457	CSNK2A1	NM_001895.3; NM_177559.2	Full Length 100% match
ccsbBroadEn_00382	ccsbBroad304_00382		BC008812	1459	CSNK2A2	no errors	hORFeome V8.1 Collection	1459	CSNK2A2	NM_001896.2	Full Length 100% match
ccsbBroadEn_00383	ccsbBroad304_00383		BC007355	1468	SLC25A10	no errors	hORFeome V8.1 Collection	1468	SLC25A10	NM_012140.3	Full Length 100% match
ccsbBroadEn_00384	ccsbBroad304_00384		BC062679	1470	CST2	no errors	hORFeome V8.1 Collection	1470	CST2	NM_001322.2	Full Length 100% match
ccsbBroadEn_00385	ccsbBroad304_00385		BC065714	1472	CST4	no errors	hORFeome V8.1 Collection	1472	CST4	NM_001899.2	Full Length 100% match
ccsbBroadEn_00386	ccsbBroad304_00386		BC069514	1473	CST5	no errors	hORFeome V8.1 Collection	1473	CST5	NM_001900.4	Full Length 100% match
ccsbBroadEn_00387	ccsbBroad304_00387		BC031334	1474	CST6	no errors	hORFeome V8.1 Collection	1474	CST6	NM_001323.2	Full Length 100% match
ccsbBroadEn_00388	ccsbBroad304_00388		BC130362,BC130364	1485	CTAG1B	no errors	hORFeome V8.1 Collection	246100; 1485	CTAG1A; CTAG1B	NM_139250.1; NM_001327.2	Full Length 100% match
ccsbBroadEn_00389	ccsbBroad304_00389		BC053320	1487	CTBP1	no errors	hORFeome V8.1 Collection	1487	CTBP1	NM_001012614.1	Full Length 100% match
ccsbBroadEn_00390	ccsbBroad304_00390	454	BC087839	1490	CTGF	no errors	hORFeome V8.1 Collection	1490	CTGF	NM_001901.2	Full Length 100% match
ccsbBroadEn_00391	ccsbBroad304_00391		BC015807	1491	CTH	no errors	hORFeome V8.1 Collection	1491	CTH	NM_001902.5	Full Length 100% match
ccsbBroadEn_00392	ccsbBroad304_00392	454	BC074893	1493	CTLA4	no errors	hORFeome V8.1 Collection	1493	CTLA4	NM_005214.3	Full Length 100% match
ccsbBroadEn_00393	ccsbBroad304_00393		BC063475	1506	CTRL	no errors	hORFeome V8.1 Collection	1506	CTRL	NM_001907.2	Full Length 100% match
ccsbBroadEn_00394	ccsbBroad304_00394		BC016320	1509	CTSD	no errors	hORFeome V8.1 Collection	1509	CTSD	NM_001909.3	Full Length 100% match
ccsbBroadEn_00395	ccsbBroad304_00395		BC042537	1510	CTSE	no errors	hORFeome V8.1 Collection	1510	CTSE	NM_001910.3	Full Length 100% match
ccsbBroadEn_00396	ccsbBroad304_00396		BC014460	1511	CTSG	no errors	hORFeome V8.1 Collection	1511	CTSG	NM_001911.2	Full Length 100% match
ccsbBroadEn_00397	ccsbBroad304_00397		BC016058	1513	CTSK	no errors	hORFeome V8.1 Collection	1513	CTSK	NM_000396.3	Full Length 100% match
ccsbBroadEn_00398	ccsbBroad304_00398		BC110512	1515	CTSL2	no errors	hORFeome V8.1 Collection	1515	CTSL2	NM_001333.2	Full Length 100% match
ccsbBroadEn_00399	ccsbBroad304_00399		BC049206	1519	CTSO	no errors	hORFeome V8.1 Collection	1519	CTSO	NM_001334.2	Full Length 100% match
ccsbBroadEn_00400	ccsbBroad304_00400		BC026183	1527	TEX28	no errors	hORFeome V8.1 Collection	1527	TEX28	NM_001586.1	Full Length 100% match
ccsbBroadEn_00401	ccsbBroad304_00401		BC015182	1528	CYB5A	no errors	hORFeome V8.1 Collection	1528	CYB5A	NM_148923.2	Full Length 100% match
ccsbBroadEn_00402	ccsbBroad304_00402		BC000021	1534	CYB561	no errors	hORFeome V8.1 Collection	1534	CYB561	NM_001915.3; NM_001017917.1;	Full Length 100% match
ccsbBroadEn_00403	ccsbBroad304_00403		BC032720	1536	CYBB	no errors	hORFeome V8.1 Collection	1536	CYBB	NM_000397.3	Full Length 100% match
ccsbBroadEn_00404	ccsbBroad304_00404		BC126461	1538	CYLC1	no errors	hORFeome V8.1 Collection	1538	CYLC1	NM_021118.1	Full Length 100% match
ccsbBroadEn_00405	ccsbBroad304_00405		BC114547	1539	CYLC2	no errors	hORFeome V8.1 Collection	1539	CYLC2	NM_001340.3	Full Length 100% match
ccsbBroadEn_00406	ccsbBroad304_00406		BC023019	1543	CYP1A1	no errors	hORFeome V8.1 Collection	1543	CYP1A1	NM_000499.3	Full Length 100% match
ccsbBroadEn_00407	ccsbBroad304_00407	454	BC067424	1544	CYP1A2	no errors	hORFeome V8.1 Collection	1544	CYP1A2	NM_000761.3	Full Length 100% match
ccsbBroadEn_00408	ccsbBroad304_00408		BC125054	1559	CYP2C9	no errors	hORFeome V8.1 Collection	1559	CYP2C9	NM_000771.3	Full Length 100% match
ccsbBroadEn_00409	ccsbBroad304_00409		BC069666	1562	CYP2C18	no errors	hORFeome V8.1 Collection	1562	CYP2C18	NM_000772.2	Full Length 100% match
ccsbBroadEn_00410	ccsbBroad304_00410		BC032594	1573	CYP2J2	no errors	hORFeome V8.1 Collection	1573	CYP2J2	NM_000775.2	Full Length 100% match
ccsbBroadEn_00411	ccsbBroad304_00411		BC069418	1576	CYP3A4	no errors	hORFeome V8.1 Collection	1576	CYP3A4	NM_017460.3	Full Length 100% match
ccsbBroadEn_00412	ccsbBroad304_00412		BC033862	1577	CYP3A5	no errors	hORFeome V8.1 Collection	1577	CYP3A5	NM_000777.3	Full Length 100% match
ccsbBroadEn_00413	ccsbBroad304_00413		BC017758	1580	CYP4B1	no errors	hORFeome V8.1 Collection	1580	CYP4B1	NM_001099772.1	Full Length 100% match
ccsbBroadEn_00414	ccsbBroad304_00414		BC063388	1586	CYP17A1	no errors	hORFeome V8.1 Collection	1586	CYP17A1	NM_000102.3	Full Length 100% match
ccsbBroadEn_00415	ccsbBroad304_00415		BC109083	1591	CYP24A1	no errors	hORFeome V8.1 Collection	1591	CYP24A1	NM_001128915.1	Full Length 100% match
ccsbBroadEn_00416	ccsbBroad304_00416		BC051851	1593	CYP27A1	no errors	hORFeome V8.1 Collection	1593	CYP27A1	NM_000784.3	Full Length 100% match
ccsbBroadEn_00417	ccsbBroad304_00417		BC003064	1601	DAB2	no errors	hORFeome V8.1 Collection	1601	DAB2	NM_001343.2	Full Length 100% match
ccsbBroadEn_00418	ccsbBroad304_00418		BC001288	1604	CD55	no errors	hORFeome V8.1 Collection	1604	CD55	NM_000574.3	Full Length 100% match
ccsbBroadEn_00419	ccsbBroad304_00419		BC029057	1610	DAO	no errors	hORFeome V8.1 Collection	1610	DAO	NM_001917.4	Full Length 100% match
ccsbBroadEn_00420	ccsbBroad304_00420		BC002726	1611	DAP	no errors	hORFeome V8.1 Collection	1611	DAP	NM_004394.2	Full Length 100% match
ccsbBroadEn_00421	ccsbBroad304_00421		BC113660	1612	DAPK1	no errors	hORFeome V8.1 Collection	1612	DAPK1	NM_004938.2	Full Length 100% match
ccsbBroadEn_00422	ccsbBroad304_00422		BC000629	1615	DARS	no errors	hORFeome V8.1 Collection	1615	DARS	NM_001349.2	Full Length 100% match
ccsbBroadEn_00423	ccsbBroad304_00423		BC109074	1616	DAXX	no errors	hORFeome V8.1 Collection	1616	DAXX	NM_001141969.1; NM_001350.4	Full Length 100% match
ccsbBroadEn_00424	ccsbBroad304_00424		BC062996	1622	DBI	no errors	hORFeome V8.1 Collection	1622	DBI	NM_020548.6; NM_001178042.1	Full Length 100% match
ccsbBroadEn_00425	ccsbBroad304_00425		BC114617	1633	DCK	no errors	hORFeome V8.1 Collection	1633	DCK	NM_000788.2	Full Length 100% match
ccsbBroadEn_00426	ccsbBroad304_00426		BC005322	1634	DCN	no errors	hORFeome V8.1 Collection	1634	DCN	NM_001920.3; NM_133503.2	Full Length 100% match
ccsbBroadEn_00427	ccsbBroad304_00427		BC028311	1638	DCT	no errors	hORFeome V8.1 Collection	1638	DCT	NM_001922.3	Full Length 100% match



ccsbBroadEn_00428	ccsbBroad304_00428		BC027925	1641	DCX	no errors	hORFeome V8.1 Collection	1641	DCX	NM_178151.2; NM_178153.2	Full Length 100% match
ccsbBroadEn_00429	ccsbBroad304_00429		BC007024	1646	AKR1C2	no errors	hORFeome V8.1 Collection	1646	AKR1C2	NM_001354.4; NM_205845.1	Full Length 100% match
ccsbBroadEn_00430	ccsbBroad304_00430		BC011757	1647	GADD45A	no errors	hORFeome V8.1 Collection	1647	GADD45A	NM_001924.3	Full Length 100% match
ccsbBroadEn_00431	ccsbBroad304_00431		BC065007	1656	DDX6	no errors	hORFeome V8.1 Collection	1656	DDX6	NM_004397.4	Full Length 100% match
ccsbBroadEn_00432	ccsbBroad304_00432		BC011264	1663	DDX11	no errors	hORFeome V8.1 Collection	1663	DDX11	NM_152438.1	Full Length 100% match
ccsbBroadEn_00433	ccsbBroad304_00433	454	BC105080	1666	DECR1	no errors	hORFeome V8.1 Collection	1666	DECR1	NM_001359.1	Full Length 100% match
ccsbBroadEn_00434	ccsbBroad304_00434		BC069423	1667	DEFA1	no errors	hORFeome V8.1 Collection	728358; 1667	DEFA1B; DEFA1	NM_001042500.1; NM_004084.3	Full Length 100% match
ccsbBroadEn_00435	ccsbBroad304_00435		BC027917	1668	DEFA3	no errors	hORFeome V8.1 Collection	1668	DEFA3	NM_005217.3	Full Length 100% match
ccsbBroadEn_00436	ccsbBroad304_00436		BC069667,BC069728	1671	DEFA6	no errors	hORFeome V8.1 Collection	1671	DEFA6	NM_001926.2	Full Length 100% match
ccsbBroadEn_00437	ccsbBroad304_00437		BC047677	1672	DEFB1	no errors	hORFeome V8.1 Collection	1672	DEFB1	NM_005218.3	Full Length 100% match
ccsbBroadEn_00438	ccsbBroad304_00438		BC069285	1673	DEFB4A	no errors	hORFeome V8.1 Collection	1673	DEFB4A	NM_004942.2	Full Length 100% match
ccsbBroadEn_00439	ccsbBroad304_00439		BC006994,BC015093	1678	TIMM8A	no errors	hORFeome V8.1 Collection	1678	TIMM8A	NM_004085.3	Full Length 100% match
ccsbBroadEn_00440	ccsbBroad304_00440		BC125065,CCSB53167	1687	DFNA5	no errors	hORFeome V8.1 Collection	1687	DFNA5	NM_004403.2; NM_001127453.1	Full Length 100% match
ccsbBroadEn_00441	ccsbBroad304_00441		BC015757	1716	DGUOK	no errors	hORFeome V8.1 Collection	1716	DGUOK	NM_080916.1	Full Length 100% match
ccsbBroadEn_00442	ccsbBroad304_00442		BC004375	1718	DHCR24	no errors	hORFeome V8.1 Collection	1718	DHCR24	NM_014762.3	Full Length 100% match
ccsbBroadEn_00443	ccsbBroad304_00443		BC000192,BC003584	1719	DHFR	no errors	hORFeome V8.1 Collection	1719	DHFR	NM_000791.3	Full Length 100% match
ccsbBroadEn_00444	ccsbBroad304_00444		BC012161	1731	SEPT1	no errors	hORFeome V8.1 Collection	1731	SEPT1	NM_052838.3	Full Length 100% match
ccsbBroadEn_00445	ccsbBroad304_00445		BC107170	1733	DIO1	early stop codon	hORFeome V8.1 Mutant Subcollection	1733	DIO1	NM_000792.5	Full Length 100% match
ccsbBroadEn_00446	ccsbBroad304_00446		BC010015	1736	DKC1	no errors	hORFeome V8.1 Collection	1736	DKC1	NM_001363.3	Full Length 100% match
ccsbBroadEn_00447	ccsbBroad304_00447		BC018696	1738	DLD	no errors	hORFeome V8.1 Collection	1738	DLD	NM_000108.3	Full Length 100% match
ccsbBroadEn_00448	ccsbBroad304_00448	454	BC093866	1741	DLG3	no errors	hORFeome V8.1 Collection	1741	DLG3	NM_021120.3	Full Length 100% match
ccsbBroadEn_00449	ccsbBroad304_00449		BC016145	1748	DLX4	no errors	hORFeome V8.1 Collection	1748	DLX4	NM_138281.2	Full Length 100% match
ccsbBroadEn_00450	ccsbBroad304_00450		BC006226	1749	DLX5	no errors	hORFeome V8.1 Collection	1749	DLX5	NM_005221.5	Full Length 100% match
ccsbBroadEn_00451	ccsbBroad304_00451		BC040847	1761	DMRT1	no errors	hORFeome V8.1 Collection	1761	DMRT1	NM_021951.2	Full Length 100% match
ccsbBroadEn_00452	ccsbBroad304_00452		BC035205	1775	DNASE1L2	no errors	hORFeome V8.1 Collection	1775	DNASE1L2	NM_001374.2	Full Length 100% match
ccsbBroadEn_00453	ccsbBroad304_00453	454	BC065209	1777	DNASE2	no errors	hORFeome V8.1 Collection	1777	DNASE2	NM_001375.2	Full Length 100% match
ccsbBroadEn_00454	ccsbBroad304_00454		BC043617	1788	DNMT3A	no errors	hORFeome V8.1 Collection	1788	DNMT3A	NM_175629.1; NM_022552.3	Full Length 100% match
ccsbBroadEn_00455	ccsbBroad304_00455		BC114440	1796	DOK1	no errors	hORFeome V8.1 Collection	1796	DOK1	NM_001381.3	Full Length 100% match
ccsbBroadEn_00456	ccsbBroad304_00456		BC009344,BC019083	1797	DOM3Z	no errors	hORFeome V8.1 Collection	1797	DOM3Z	NM_005510.3	Full Length 100% match
ccsbBroadEn_00457	ccsbBroad304_00457		BC000325	1798	DPAGT1	no errors	hORFeome V8.1 Collection	1798	DPAGT1	NM_001382.3	Full Length 100% match
ccsbBroadEn_00458	ccsbBroad304_00458		BC017023	1800	DPEP1	no errors	hORFeome V8.1 Collection	1800	DPEP1	NM_001128141.1; NM_004413.3	Full Length 100% match
ccsbBroadEn_00459	ccsbBroad304_00459		BC008379	1806	DPYD	no errors	hORFeome V8.1 Collection	1806	DPYD	NM_001160301.1	Full Length 100% match
ccsbBroadEn_00460	ccsbBroad304_00460		BC034395	1807	DPYS	no errors	hORFeome V8.1 Collection	1807	DPYS	NM_001385.2	Full Length 100% match
ccsbBroadEn_00461	ccsbBroad304_00461		BC056408	1808	DPYSL2	no errors	hORFeome V8.1 Collection	1808	DPYSL2	NM_001386.4	Full Length 100% match
ccsbBroadEn_00462	ccsbBroad304_00462		BC002809,BC035507	1810	DR1	no errors	hORFeome V8.1 Collection	1810	DR1	NM_001938.2	Full Length 100% match
ccsbBroadEn_00463	ccsbBroad304_00463		BC021195	1813	DRD2	no errors	hORFeome V8.1 Collection	1813	DRD2	NM_000795.3	Full Length 100% match
ccsbBroadEn_00464	ccsbBroad304_00464		BC005300	1837	DTNA	no errors	hORFeome V8.1 Collection	1837	DTNA	NM_001128175.1	Full Length 100% match
ccsbBroadEn_00465	ccsbBroad304_00465		BC016655	1838	DTNB	no errors	hORFeome V8.1 Collection	1838	DTNB	NM_183361.1	Full Length 100% match
ccsbBroadEn_00466	ccsbBroad304_00466		BC033097	1839	HBEGF	no errors	hORFeome V8.1 Collection	1839	HBEGF	NM_001945.2	Full Length 100% match
ccsbBroadEn_00467	ccsbBroad304_00467		BC002682	1845	DUSP3	no errors	hORFeome V8.1 Collection	1845	DUSP3	NM_004090.3	Full Length 100% match
ccsbBroadEn_00468	ccsbBroad304_00468		BC005047,BC037236	1848	DUSP6	no errors	hORFeome V8.1 Collection	1848	DUSP6	NM_001946.2	Full Length 100% match
ccsbBroadEn_00469	ccsbBroad304_00469		BC033645	1854	DUT	no errors	hORFeome V8.1 Collection	1854	DUT	NM_001948.3	Full Length 100% match
ccsbBroadEn_00470	ccsbBroad304_00470		BC014844	1856	DVL2	no errors	hORFeome V8.1 Collection	1856	DVL2	NM_004422.2	Full Length 100% match
ccsbBroadEn_00471	ccsbBroad304_00471		BC008348	1876	E2F6	no errors	hORFeome V8.1 Collection	1876	E2F6	NM_198256.2	Full Length 100% match
ccsbBroadEn_00472	ccsbBroad304_00472		BC038805	1879	EBF1	no errors	hORFeome V8.1 Collection	1879	EBF1	NM_024007.3	Full Length 100% match
ccsbBroadEn_00473	ccsbBroad304_00473		BC020752	1880	GPR183	no errors	hORFeome V8.1 Collection	1880	GPR183	NM_004951.4	Full Length 100% match
ccsbBroadEn_00474	ccsbBroad304_00474	454	BC112086	1894	ECT2	no errors	hORFeome V8.1 Collection	1894	ECT2	NM_018098.4	Full Length 100% match
ccsbBroadEn_00475	ccsbBroad304_00475		BC126143	1896	EDA	no errors	hORFeome V8.1 Collection	1896	EDA	NM_001399.4	Full Length 100% match
ccsbBroadEn_00476	ccsbBroad304_00476		BC018650	1901	S1PR1	no errors	hORFeome V8.1 Collection	1901	S1PR1	NM_001400.4	Full Length 100% match
ccsbBroadEn_00477	ccsbBroad304_00477		BC036034	1902	LPAR1	no errors	hORFeome V8.1 Collection	1902	LPAR1	NM_057159.2; NM_001401.3	Full Length 100% match
ccsbBroadEn_00478	ccsbBroad304_00478		BC060827,BC069579	1903	S1PR3	no errors	hORFeome V8.1 Collection	1903	S1PR3	NM_005226.2	Full Length 100% match
ccsbBroadEn_00479	ccsbBroad304_00479		BC008876	1908	EDN3	no errors	hORFeome V8.1 Collection	1908	EDN3	NM_000114.2; NM_207034.1	Full Length 100% match
ccsbBroadEn_00480	ccsbBroad304_00480		BC008587,BC066893	1915	EEF1A1	no errors	hORFeome V8.1 Collection	1915	EEF1A1	NM_001402.5	Full Length 100% match
ccsbBroadEn_00481	ccsbBroad304_00481		BC000432	1917	EEF1A2	no errors	hORFeome V8.1 Collection	1917	EEF1A2	NM_001958.2	Full Length 100% match
ccsbBroadEn_00482	ccsbBroad304_00482		BC000211,BC004931	1933	EEF1B2	no errors	hORFeome V8.1 Collection	1933	EEF1B2	NM_001959.3; NM_021121.3; NM_001037663.1	Full Length 100% match
ccsbBroadEn_00483	ccsbBroad304_00483		BC107483	1945	EFNA4	no errors	hORFeome V8.1 Collection	1945	EFNA4	NM_005227.2	Full Length 100% match
ccsbBroadEn_00484	ccsbBroad304_00484	454	BC075054	1946	EFNA5	no errors	hORFeome V8.1 Collection	1946	EFNA5	NM_001962.2	Full Length 100% match
ccsbBroadEn_00485	ccsbBroad304_00485		BC016649,BC052979	1947	EFNB1	no errors	hORFeome V8.1 Collection	1947	EFNB1	NM_004429.4	Full Length 100% match
ccsbBroadEn_00486	ccsbBroad304_00486		BC069342	1948	EFNB2	no errors	hORFeome V8.1 Collection	1948	EFNB2	NM_004093.2	Full Length 100% match
ccsbBroadEn_00487	ccsbBroad304_00487		BC073983	1958	EGR1	no errors	hORFeome V8.1 Collection	1958	EGR1	NM_001964.2	Full Length 100% match
ccsbBroadEn_00488	ccsbBroad304_00488		BC112279	1960	EGR3	no errors	hORFeome V8.1 Collection	1960	EGR3	NM_004430.2	Full Length 100% match
ccsbBroadEn_00489	ccsbBroad304_00489		BC038948,BC110460	1962	EHHADH	no errors	hORFeome V8.1 Collection	1962	EHHADH	NM_001966.3	Full Length 100% match
ccsbBroadEn_00490	ccsbBroad304_00490		BC004459,BC058073	1978	EIF4EBP1	no errors	hORFeome V8.1 Collection	1978	EIF4EBP1	NM_004095.3	Full Length 100% match
ccsbBroadEn_00491	ccsbBroad304_00491		BC005057,BC050633	1979	EIF4EBP2	no errors	hORFeome V8.1 Collection	1979	EIF4EBP2	NM_004096.4	Full Length 100% match
ccsbBroadEn_00492	ccsbBroad304_00492		BC000751,BC030160	1984	EIF5A	no errors	hORFeome V8.1 Collection	1984	EIF5A	NM_001970.4; NM_001143761.1; NM_001143762.1	Full Length 100% match
ccsbBroadEn_00493	ccsbBroad304_00493	454	BC069454,BC075091	1990	CELA1	no errors	hORFeome V8.1 Collection	1990	CELA1	NM_001971.5	Full Length 100% match
ccsbBroadEn_00494	ccsbBroad304_00494	454	BC074816	1991	ELANE	no errors	hORFeome V8.1 Collection	1991	ELANE	NM_001972.2	Full Length 100% match
ccsbBroadEn_00495	ccsbBroad304_00495		BC030692	1993	ELAVL2	no errors	hORFeome V8.1 Collection	1993	ELAVL2	NM_001171195.1; NM_001171197.1	Full Length 100% match
ccsbBroadEn_00496	ccsbBroad304_00496		BC017194	2000	ELF4	no errors	hORFeome V8.1 Collection	2000	ELF4	NM_001421.3	Full Length 100% match
ccsbBroadEn_00497	ccsbBroad304_00497		BC029743	2001	ELF5	no errors	hORFeome V8.1 Collection	2001	ELF5	NM_001422.2	Full Length 100% match
ccsbBroadEn_00498	ccsbBroad304_00498		BC056150	2002	ELK1	no errors	hORFeome V8.1 Collection	2002	ELK1	NM_005229.3; NM_001114123.1	Full Length 100% match
ccsbBroadEn_00499	ccsbBroad304_00499		BC017371	2004	ELK3	no errors	hORFeome V8.1 Collection	2004	ELK3	NM_005230.2	Full Length 100% match
ccsbBroadEn_00500	ccsbBroad304_00500		BC063676	2005	ELK4	no errors	hORFeome V8.1 Collection	2005	ELK4	NM_021795.2	Full Length 100% match
ccsbBroadEn_00501	ccsbBroad304_00501		BC000738	2010	EMD	no errors	hORFeome V8.1 Collection	2010	EMD	NM_000117.2	Full Length 100% match
ccsbBroadEn_00502	ccsbBroad304_00502		BC047300	2012	EMP1	no errors	hORFeome V8.1 Collection	2012	EMP1	NM_001423.2	Full Length 100% match
ccsbBroadEn_00503	ccsbBroad304_00503		BC069208	2029	ENSA	no errors	hORFeome V8.1 Collection	2029	ENSA	NM_207168.1	Full Length 100% match



ccsbBroadEn_00504	ccsbBroad304_00504	I	BC001382,BC008954	2030	SLC29A1	no errors	hORFeome V8.1 Collection	2030	SLC29A1	NM_001078174.1; NM_004955.2; NM_001078176.1; NM_001078175.1;	Full Length 100% match
ccsbBroadEn_00505	ccsbBroad304_00505	I	BC013885	2036	EPB41L1	no errors	hORFeome V8.1 Collection	2036	EPB41L1	NM_177996.1	Full Length 100% match
ccsbBroadEn_00506	ccsbBroad304_00506	I	BC096093	2038	EPB42	no errors	hORFeome V8.1 Collection	2038	EPB42	NM_001114134.1	Full Length 100% match
ccsbBroadEn_00507	ccsbBroad304_00507	I	BC006318,BC017445	2039	EPB49	no errors	hORFeome V8.1 Collection	2039	EPB49	NM_001114136.1; NM_001978.2; NM_001114135.2	Full Length 100% match
ccsbBroadEn_00508	ccsbBroad304_00508	454	BC052968	2049	EPHB3	no errors	hORFeome V8.1 Collection	2049	EPHB3	NM_004443.3	Full Length 100% match
ccsbBroadEn_00509	ccsbBroad304_00509	I	BC003567,BC008291	2052	EPHX1	no errors	hORFeome V8.1 Collection	2052	EPHX1	NM_001136018.2; NM_000120.3	Full Length 100% match
ccsbBroadEn_00510	ccsbBroad304_00510	I	BC007708,BC013874	2053	EPHX2	no errors	hORFeome V8.1 Collection	2053	EPHX2	NM_001979.4	Full Length 100% match
ccsbBroadEn_00511	ccsbBroad304_00511	I	BC007725	2055	CLN8	no errors	hORFeome V8.1 Collection	2055	CLN8	NM_018941.3	Full Length 100% match
ccsbBroadEn_00512	ccsbBroad304_00512	454	BC093628	2056	EPO	no errors	hORFeome V8.1 Collection	2056	EPO	NM_000799.2	Full Length 100% match
ccsbBroadEn_00513	ccsbBroad304_00513	I	BC008820	2071	ERCC3	no errors	hORFeome V8.1 Collection	2071	ERCC3	NM_000122.1	Full Length 100% match
ccsbBroadEn_00514	ccsbBroad304_00514	I	BC022231	2077	ERF	no errors	hORFeome V8.1 Collection	2077	ERF	NM_006494.2	Full Length 100% match
ccsbBroadEn_00515	ccsbBroad304_00515	I	BC014301	2079	ERH	no errors	hORFeome V8.1 Collection	2079	ERH	NM_004450.2	Full Length 100% match
ccsbBroadEn_00516	ccsbBroad304_00516	I	BC019260	2091	FBL	no errors	hORFeome V8.1 Collection	2091	FBL	NM_001436.3	Full Length 100% match
ccsbBroadEn_00517	ccsbBroad304_00517	I	BC128573	2099	ESR1	no errors	hORFeome V8.1 Collection	2099	ESR1	NM_001122742.1; NM_001122740.1; NM_001122741.1;	Full Length 100% match
ccsbBroadEn_00518	ccsbBroad304_00518	I	BC015526	2108	ETFA	no errors	hORFeome V8.1 Collection	2108	ETFA	NM_000126.3	Full Length 100% match
ccsbBroadEn_00519	ccsbBroad304_00519	454	BC093963	2109	ETFB	no errors	hORFeome V8.1 Collection	2109	ETFB	NM_001985.2	Full Length 100% match
ccsbBroadEn_00520	ccsbBroad304_00520	I	BC106762	2115	ETV1	no errors	hORFeome V8.1 Collection	2115	ETV1	NM_004956.4	Full Length 100% match
ccsbBroadEn_00521	ccsbBroad304_00521	I	BC007333	2119	ETV5	no errors	hORFeome V8.1 Collection	2119	ETV5	NM_004454.2	Full Length 100% match
ccsbBroadEn_00522	ccsbBroad304_00522	I	BC043399	2120	ETV6	no errors	hORFeome V8.1 Collection	2120	ETV6	NM_001987.4	Full Length 100% match
ccsbBroadEn_00523	ccsbBroad304_00523	I	BC001174	2131	EXT1	no errors	hORFeome V8.1 Collection	2131	EXT1	NM_000127.2	Full Length 100% match
ccsbBroadEn_00524	ccsbBroad304_00524	I	BC010058	2132	EXT2	no errors	hORFeome V8.1 Collection	2132	EXT2	NM_207122.1	Full Length 100% match
ccsbBroadEn_00525	ccsbBroad304_00525	I	BC015882	2145	EZH1	no errors	hORFeome V8.1 Collection	2145	EZH1	NM_001991.3	Full Length 100% match
ccsbBroadEn_00526	ccsbBroad304_00526	I	BC010858	2146	EZH2	no errors	hORFeome V8.1 Collection	2146	EZH2	NM_004456.3	Full Length 100% match
ccsbBroadEn_00527	ccsbBroad304_00527	I	BC012453	2150	F2RL1	no errors	hORFeome V8.1 Collection	2150	F2RL1	NM_005242.4	Full Length 100% match
ccsbBroadEn_00528	ccsbBroad304_00528	454	BC093648	2151	F2RL2	no errors	hORFeome V8.1 Collection	2151	F2RL2	NM_004101.2	Full Length 100% match
ccsbBroadEn_00529	ccsbBroad304_00529	I	BC011029	2152	F3	no errors	hORFeome V8.1 Collection	2152	F3	NM_001993.4	Full Length 100% match
ccsbBroadEn_00530	ccsbBroad304_00530	I	BC022513	2157	F8	no errors	hORFeome V8.1 Collection	2157	F8	NM_019863.2	Full Length 100% match
ccsbBroadEn_00531	ccsbBroad304_00531	I	BC109215	2158	F9	no errors	hORFeome V8.1 Collection	2158	F9	NM_000133.3	Full Length 100% match
ccsbBroadEn_00532	ccsbBroad304_00532	I	BC119014	2160	F11	no errors	hORFeome V8.1 Collection	2160	F11	NM_000128.3	Full Length 100% match
ccsbBroadEn_00533	ccsbBroad304_00533	I	BC003672	2167	FABP4	no errors	hORFeome V8.1 Collection	2167	FABP4	NM_001442.2	Full Length 100% match
ccsbBroadEn_00534	ccsbBroad304_00534	I	BC032801	2168	FABP1	no errors	hORFeome V8.1 Collection	2168	FABP1	NM_001443.1	Full Length 100% match
ccsbBroadEn_00535	ccsbBroad304_00535	I	BC007021	2170	FABP3	no errors	hORFeome V8.1 Collection	2170	FABP3	NM_004102.3	Full Length 100% match
ccsbBroadEn_00536	ccsbBroad304_00536	I	BC012299	2173	FABP7	no errors	hORFeome V8.1 Collection	2173	FABP7	NM_001446.3	Full Length 100% match
ccsbBroadEn_00537	ccsbBroad304_00537	I	BC015748	2176	FANCC	no errors	hORFeome V8.1 Collection	2176	FANCC	NM_000136.2	Full Length 100% match
ccsbBroadEn_00538	ccsbBroad304_00538	454	BC136558	2187	FANCB	no errors	hORFeome V8.1 Collection	2187	FANCB	NM_001018113.1; NM_152633.2	Full Length 100% match
ccsbBroadEn_00539	ccsbBroad304_00539	I	BC000032,BC011623	2189	FANCG	no errors	hORFeome V8.1 Collection	2189	FANCG	NM_004629.1	Full Length 100% match
ccsbBroadEn_00540	ccsbBroad304_00540	I	BC006495	2193	FARSA	no errors	hORFeome V8.1 Collection	2193	FARSA	NM_004461.2	Full Length 100% match
ccsbBroadEn_00541	ccsbBroad304_00541	I	BC014410	2202	EFEMP1	no errors	hORFeome V8.1 Collection	2202	EFEMP1	NM_001039349.1; NM_004105.3; NM_001039348.1	Full Length 100% match
ccsbBroadEn_00542	ccsbBroad304_00542	I	BC012927	2203	FBP1	no errors	hORFeome V8.1 Collection	2203	FBP1	NM_000507.3; NM_001127628.1	Full Length 100% match
ccsbBroadEn_00543	ccsbBroad304_00543	I	BC027953	2204	FCAR	no errors	hORFeome V8.1 Collection	2204	FCAR	NM_002000.2	Full Length 100% match
ccsbBroadEn_00544	ccsbBroad304_00544	I	BC005912	2205	FCER1A	no errors	hORFeome V8.1 Collection	2205	FCER1A	NM_002001.2	Full Length 100% match
ccsbBroadEn_00545	ccsbBroad304_00545	454	BC074800	2206	MS4A2	no errors	hORFeome V8.1 Collection	2206	MS4A2	NM_000139.4	Full Length 100% match
ccsbBroadEn_00546	ccsbBroad304_00546	I	BC031992	2213	FCGR2B	no errors	hORFeome V8.1 Collection	2213	FCGR2B	NM_004001.4	Full Length 100% match
ccsbBroadEn_00547	ccsbBroad304_00547	454	BC112038	2218	FKTN	no errors	hORFeome V8.1 Collection	2218	FKTN	NM_001079802.1; NM_006731.2	Full Length 100% match
ccsbBroadEn_00548	ccsbBroad304_00548	I	BC010004	2224	FDPS	no errors	hORFeome V8.1 Collection	2224	FDPS	NM_002004.3; NM_001135821.1	Full Length 100% match
ccsbBroadEn_00549	ccsbBroad304_00549	454	BC010284,BC017063	2230	FDX1	no errors	hORFeome V8.1 Collection	2230	FDX1	NM_004109.3	Full Length 100% match
ccsbBroadEn_00550	ccsbBroad304_00550	I	BC002960,BC063493	2232	FDXR	no errors	hORFeome V8.1 Collection	2232	FDXR	NM_024417.2	Full Length 100% match
ccsbBroadEn_00551	ccsbBroad304_00551	454	BC039841	2235	FECH	no errors	hORFeome V8.1 Collection	2235	FECH	NM_000140.3	Full Length 100% match
ccsbBroadEn_00552	ccsbBroad304_00552	I	BC000323	2237	FEN1	no errors	hORFeome V8.1 Collection	2237	FEN1	NM_004111.4	Full Length 100% match
ccsbBroadEn_00553	ccsbBroad304_00553	I	BC017166	2239	GPC4	no errors	hORFeome V8.1 Collection	2239	GPC4	NM_001448.2	Full Length 100% match
ccsbBroadEn_00554	ccsbBroad304_00554	I	BC106760	2244	FGB	no errors	hORFeome V8.1 Collection	2244	FGB	NM_005141.4	Full Length 100% match
ccsbBroadEn_00555	ccsbBroad304_00555	I	BC032697	2246	FGF1	no errors	hORFeome V8.1 Collection	2246	FGF1	NM_000800.3; NM_001144892.1; NM_001144934.1;	Full Length 100% match
ccsbBroadEn_00556	ccsbBroad304_00556	454	BC113739	2248	FGF3	no errors	hORFeome V8.1 Collection	2248	FGF3	NM_005247.2	Full Length 100% match
ccsbBroadEn_00557	ccsbBroad304_00557	I	BC069561	2255	FGF10	no errors	hORFeome V8.1 Collection	2255	FGF10	NM_004465.1	Full Length 100% match
ccsbBroadEn_00558	ccsbBroad304_00558	454	BC032502	2256	FGF11	no errors	hORFeome V8.1 Collection	2256	FGF11	NM_004112.2	Full Length 100% match
ccsbBroadEn_00559	ccsbBroad304_00559	I	BC012347,BC034340	2258	FGF13	no errors	hORFeome V8.1 Collection	2258	FGF13	NM_004114.3	Full Length 100% match
ccsbBroadEn_00560	ccsbBroad304_00560	I	BC100920	2259	FGF14	no errors	hORFeome V8.1 Collection	2259	FGF14	NM_175929.2	Full Length 100% match
ccsbBroadEn_00561	ccsbBroad304_00561	I	BC015035	2260	FGFR1	no errors	hORFeome V8.1 Collection	2260	FGFR1	NM_001174063.1	Full Length 100% match
ccsbBroadEn_00562	ccsbBroad304_00562	I	BC039730	2262	GPC5	no errors	hORFeome V8.1 Collection	2262	GPC5	NM_004466.4	Full Length 100% match
ccsbBroadEn_00563	ccsbBroad304_00563	I	BC007044,BC021674	2266	FGG	no errors	hORFeome V8.1 Collection	2266	FGG	NM_000509.4	Full Length 100% match
ccsbBroadEn_00564	ccsbBroad304_00564	454	BC064382	2268	FGR	no errors	hORFeome V8.1 Collection	2268	FGR	NM_001042729.1; NM_001042747.1;	Full Length 100% match
ccsbBroadEn_00565	ccsbBroad304_00565	I	BC003108,BC017444	2271	FH	no errors	hORFeome V8.1 Collection	2271	FH	NM_000143.3	Full Length 100% match
ccsbBroadEn_00566	ccsbBroad304_00566	I	BC032336	2272	FHIT	no errors	hORFeome V8.1 Collection	2272	FHIT	NM_002012.2; NM_001166243.1	Full Length 100% match
ccsbBroadEn_00567	ccsbBroad304_00567	I	BC010998	2273	FHL1	no errors	hORFeome V8.1 Collection	2273	FHL1	NM_001449.4; NM_001159700.1; NM_001159704.1; NM_001167819.1	Full Length 100% match
ccsbBroadEn_00568	ccsbBroad304_00568	I	BC012742,BC014397	2274	FHL2	no errors	hORFeome V8.1 Collection	2274	FHL2	NM_001450.3; NM_201555.1; NM_201557.3; NM_001039492.2	Full Length 100% match



ccsbBroadEn_00569	ccsbBroad304_00569		BC001351,BC011697	2275	FHL3	no errors	hORFeome V8.1 Collection	2275	FHL3	NM_004468.3	Full Length 100% match
ccsbBroadEn_00570	ccsbBroad304_00570		BC027948	2277	FIGF	no errors	hORFeome V8.1 Collection	2277	FIGF	NM_004469.2	Full Length 100% match
ccsbBroadEn_00571	ccsbBroad304_00571		BC003384	2286	FKBP2	no errors	hORFeome V8.1 Collection	2286	FKBP2	NM_004470.3; NM_057092.2; NM_001135208.1	Full Length 100% match
ccsbBroadEn_00572	ccsbBroad304_00572		BC016288,BC020809	2287	FKBP3	no errors	hORFeome V8.1 Collection	2287	FKBP3	NM_002013.3	Full Length 100% match
ccsbBroadEn_00573	ccsbBroad304_00573		BC001786,BC007924	2288	FKBP4	no errors	hORFeome V8.1 Collection	2288	FKBP4	NM_002014.3	Full Length 100% match
ccsbBroadEn_00574	ccsbBroad304_00574	454	BC089432	2298	FOXD4	no errors	hORFeome V8.1 Collection	2298	FOXD4	NM_207305.3	Full Length 100% match
ccsbBroadEn_00575	ccsbBroad304_00575	454	BC046460	2302	FOXJ1	no errors	hORFeome V8.1 Collection	2302	FOXJ1	NM_001454.3	Full Length 100% match
ccsbBroadEn_00576	ccsbBroad304_00576		BC012863	2305	FOXN1	no errors	hORFeome V8.1 Collection	2305	FOXN1	NM_021953.2	Full Length 100% match
ccsbBroadEn_00577	ccsbBroad304_00577		BC020227,BC021224	2309	FOXO3	no errors	hORFeome V8.1 Collection	2309	FOXO3	NM_201559.2; NM_001455.3	Full Length 100% match
ccsbBroadEn_00578	ccsbBroad304_00578		BC001670,BC010115	2313	FLI1	no errors	hORFeome V8.1 Collection	2313	FLI1	NM_002017.3	Full Length 100% match
ccsbBroadEn_00579	ccsbBroad304_00579		BC014423	2315	MLANA	no errors	hORFeome V8.1 Collection	2315	MLANA	NM_005511.1	Full Length 100% match
ccsbBroadEn_00580	ccsbBroad304_00580	454	BC039007	2321	FLT1	no errors	hORFeome V8.1 Collection	2321	FLT1	NM_001159920.1	Full Length 100% match
ccsbBroadEn_00581	ccsbBroad304_00581		BC047129	2326	FMO1	no errors	hORFeome V8.1 Collection	2326	FMO1	NM_002021.1	Full Length 100% match
ccsbBroadEn_00582	Failed LR reaction		BC005894	2327	FMO2	no errors	hORFeome V8.1 Collection	2327	FMO2	NM_001460.2	Full Length 100% match
ccsbBroadEn_00583	ccsbBroad304_00583		BC035687	2330	FMO5	no errors	hORFeome V8.1 Collection	2330	FMO5	NM_001144830.1	Full Length 100% match
ccsbBroadEn_00584	ccsbBroad304_00584		BC035281	2331	FMOD	no errors	hORFeome V8.1 Collection	2331	FMOD	NM_002023.3	Full Length 100% match
ccsbBroadEn_00585	ccsbBroad304_00585		BC084566	2339	FNTA	no errors	hORFeome V8.1 Collection	2339	FNTA	NM_002027.2	Full Length 100% match
ccsbBroadEn_00586	ccsbBroad304_00586		BC020232	2342	FNTB	no errors	hORFeome V8.1 Collection	2342	FNTB	NM_002028.3	Full Length 100% match
ccsbBroadEn_00587	ccsbBroad304_00587		BC022791	2355	FOSL2	no errors	hORFeome V8.1 Collection	2355	FOSL2	NM_005253.3	Full Length 100% match
ccsbBroadEn_00588	ccsbBroad304_00588		BC029125	2358	FPR2	no errors	hORFeome V8.1 Collection	2358	FPR2	NM_001005738.1; NM_001462.3	Full Length 100% match
ccsbBroadEn_00589	ccsbBroad304_00589		BC059388,BC069812	2359	FPR3	no errors	hORFeome V8.1 Collection	2359	FPR3	NM_002030.3	Full Length 100% match
ccsbBroadEn_00590	ccsbBroad304_00590		BC012916	2444	FRK	no errors	hORFeome V8.1 Collection	2444	FRK	NM_002031.2	Full Length 100% match
ccsbBroadEn_00591	ccsbBroad304_00591		BC053997	2483	FRG1	no errors	hORFeome V8.1 Collection	2483	FRG1	NM_004477.2	Full Length 100% match
ccsbBroadEn_00592	ccsbBroad304_00592		BC113488,BC113490	2488	FSHB	no errors	hORFeome V8.1 Collection	2488	FSHB	NM_000510.2; NM_001018080.1	Full Length 100% match
ccsbBroadEn_00593	ccsbBroad304_00593		BC118652	2494	NR5A2	no errors	hORFeome V8.1 Collection	2494	NR5A2	NM_003822.3	Full Length 100% match
ccsbBroadEn_00594	ccsbBroad304_00594		BC002991,BC058820	2512	FTL	no errors	hORFeome V8.1 Collection	2512	FTL	NM_000146.3	Full Length 100% match
ccsbBroadEn_00595	ccsbBroad304_00595		BC032501	2516	NR5A1	no errors	hORFeome V8.1 Collection	2516	NR5A1	NM_004959.4	Full Length 100% match
ccsbBroadEn_00596	ccsbBroad304_00596		BC069724,BC069762	2520	GAST	no errors	hORFeome V8.1 Collection	2520	GAST	NM_000805.3	Full Length 100% match
ccsbBroadEn_00597	ccsbBroad304_00597	454	BC074732	2523	FUT1	no errors	hORFeome V8.1 Collection	2523	FUT1	NM_000148.3	Full Length 100% match
ccsbBroadEn_00598	ccsbBroad304_00598	454	BC074836	2525	FUT3	no errors	hORFeome V8.1 Collection	2525	FUT3	NM_000149.3; NM_001097639.1; NM_001097640.1; NM_001097641.1	Full Length 100% match
ccsbBroadEn_00599	ccsbBroad304_00599	454	BC074746	2529	FUT7	no errors	hORFeome V8.1 Collection	2529	FUT7	NM_004479.3	Full Length 100% match
ccsbBroadEn_00600	ccsbBroad304_00600		BC032496	2534	FYN	no errors	hORFeome V8.1 Collection	2534	FYN	NM_153048.1	Full Length 100% match
ccsbBroadEn_00601	ccsbBroad304_00601		BC011601,BC015603	2537	IFI6	no errors	hORFeome V8.1 Collection	2537	IFI6	NM_002038.3	Full Length 100% match
ccsbBroadEn_00602	ccsbBroad304_00602		BC014663,BC064563	2542	SLC37A4	no errors	hORFeome V8.1 Collection	2542	SLC37A4	NM_001164277.1; NM_001467.5; NM_001164280.1	Full Length 100% match
ccsbBroadEn_00603	ccsbBroad304_00603		BC036094	2543	GAGE1	no errors	hORFeome V8.1 Collection	2543	GAGE1	NM_001468.4	Full Length 100% match
ccsbBroadEn_00604	ccsbBroad304_00604		BC010034,BC018259	2547	XRCC6	no errors	hORFeome V8.1 Collection	2547	XRCC6	NM_001469.3	Full Length 100% match
ccsbBroadEn_00605	ccsbBroad304_00605		BC064848	2549	GAB1	no errors	hORFeome V8.1 Collection	2549	GAB1	NM_207123.2	Full Length 100% match
ccsbBroadEn_00606	ccsbBroad304_00606		BC050702	2553	GABPB1	no errors	hORFeome V8.1 Collection	2553	GABPB1	NM_005254.5	Full Length 100% match
ccsbBroadEn_00607	ccsbBroad304_00607		BC099719	2561	GABRB2	no errors	hORFeome V8.1 Collection	2561	GABRB2	NM_000813.2	Full Length 100% match
ccsbBroadEn_00608	ccsbBroad304_00608		BC002815	2571	GAD1	no errors	hORFeome V8.1 Collection	2571	GAD1	NM_013445.3	Full Length 100% match
ccsbBroadEn_00609	ccsbBroad304_00609		BC026349	2571	GAD1	no errors	hORFeome V8.1 Collection	2571	GAD1	NM_000817.2	Full Length 100% match
ccsbBroadEn_00610	ccsbBroad304_00610		BC024914	2577	GAGE5	no errors	hORFeome V8.1 Collection	2577	GAGE5	NM_001475.1	Full Length 100% match
ccsbBroadEn_00611	ccsbBroad304_00611		BC001273,BC050685	2582	GALE	no errors	hORFeome V8.1 Collection	2582	GALE	NM_000403.3; NM_001008216.1; NM_001127621.1	Full Length 100% match
ccsbBroadEn_00612	ccsbBroad304_00612		BC050684,BC056151	2588	GALNS	no errors	hORFeome V8.1 Collection	2588	GALNS	NM_000512.4	Full Length 100% match
ccsbBroadEn_00613	ccsbBroad304_00613		BC113565,BC113567	2591	GALNT3	no errors	hORFeome V8.1 Collection	2591	GALNT3	NM_004482.3	Full Length 100% match
ccsbBroadEn_00614	ccsbBroad304_00614		BC016760	2593	GAMT	no errors	hORFeome V8.1 Collection	2593	GAMT	NM_000156.4	Full Length 100% match
ccsbBroadEn_00615	ccsbBroad304_00615		BC001601,BC029618	2597	GAPDH	no errors	hORFeome V8.1 Collection	2597	GAPDH	NM_002046.3	Full Length 100% match
ccsbBroadEn_00616	ccsbBroad304_00616		BC004141	2628	GATM	no errors	hORFeome V8.1 Collection	2628	GATM	NM_001482.2	Full Length 100% match
ccsbBroadEn_00617	ccsbBroad304_00617	454	BC003356	2629	GBA	no errors	hORFeome V8.1 Collection	2629	GBA	NM_000157.3; NM_001005741.2; NM_001005742.2	Full Length 100% match
ccsbBroadEn_00618	ccsbBroad304_00618		BC000732,BC030821	2631	GBAS	no errors	hORFeome V8.1 Collection	2631	GBAS	NM_001483.1	Full Length 100% match
ccsbBroadEn_00619	ccsbBroad304_00619	454	BC137448	2637	GBX2	no errors	hORFeome V8.1 Collection	2637	GBX2	NM_001485.2	Full Length 100% match
ccsbBroadEn_00620	ccsbBroad304_00620		BC002579	2639	GCDH	no errors	hORFeome V8.1 Collection	2639	GCDH	NM_000159.2	Full Length 100% match
ccsbBroadEn_00621	ccsbBroad304_00621		BC005278	2641	GCG	no errors	hORFeome V8.1 Collection	2641	GCG	NM_002054.3	Full Length 100% match
ccsbBroadEn_00622	ccsbBroad304_00622	454	BC104854	2642	GCGR	no errors	hORFeome V8.1 Collection	2642	GCGR	NM_000160.3	Full Length 100% match
ccsbBroadEn_00623	ccsbBroad304_00623		BC112262,BC112264	2644	GCHFR	no errors	hORFeome V8.1 Collection	2644	GCHFR	NM_005258.2	Full Length 100% match
ccsbBroadEn_00624	ccsbBroad304_00624		BC001890	2645	GCK	no errors	hORFeome V8.1 Collection	2645	GCK	NM_000162.3	Full Length 100% match
ccsbBroadEn_00625	ccsbBroad304_00625	454	BC074885	2650	GCNT1	no errors	hORFeome V8.1 Collection	2650	GCNT1	NM_001097633.1; NM_001097634.1; NM_001097635.1; NM_001097636.1	Full Length 100% match
ccsbBroadEn_00626	ccsbBroad304_00626		BC000317,BC012201	2664	GDI1	no errors	hORFeome V8.1 Collection	2664	GDI1	NM_001490.4; NM_001493.2	Full Length 100% match
ccsbBroadEn_00627	ccsbBroad304_00627		BC005145	2665	GDI2	no errors	hORFeome V8.1 Collection	2665	GDI2	NM_001494.3	Full Length 100% match
ccsbBroadEn_00628	ccsbBroad304_00628		BC069369	2668	GDNF	no errors	hORFeome V8.1 Collection	2668	GDNF	NM_000514.3	Full Length 100% match
ccsbBroadEn_00629	ccsbBroad304_00629		BC022010	2669	GEM	no errors	hORFeome V8.1 Collection	2669	GEM	NM_005261.3; NM_181702.2	Full Length 100% match
ccsbBroadEn_00630	ccsbBroad304_00630		BC013596,BC041765	2670	GFAP	no errors	hORFeome V8.1 Collection	2670	GFAP	NM_002055.3	Full Length 100% match
ccsbBroadEn_00631	ccsbBroad304_00631		BC041688	2675	GFRA2	no errors	hORFeome V8.1 Collection	2675	GFRA2	NM_001495.4	Full Length 100% match
ccsbBroadEn_00632	ccsbBroad304_00632		BC013979	2677	GGCX	no errors	hORFeome V8.1 Collection	2677	GGCX	NM_000821.4	Full Length 100% match
ccsbBroadEn_00633	ccsbBroad304_00633		BC073999	2687	GGT5	no errors	hORFeome V8.1 Collection	2687	GGT5	NM_001099781.1	Full Length 100% match
ccsbBroadEn_00634	ccsbBroad304_00634		BC020760	2689	GH2	no errors	hORFeome V8.1 Collection	2689	GH2	NM_002059.3	Full Length 100% match
ccsbBroadEn_00635	ccsbBroad304_00635		BC098161	2691	GHRH	no errors	hORFeome V8.1 Collection	2691	GHRH	NM_001184731.1	Full Length 100% match
ccsbBroadEn_00636	ccsbBroad304_00636	454	BC098109	2691	GHRH	no errors	hORFeome V8.1 Collection	2691	GHRH	NM_021081.4	Full Length 100% match
ccsbBroadEn_00637	ccsbBroad304_00637		BC037958	2694	GIF	no errors	hORFeome V8.1 Collection	2694	GIF	NM_005142.2	Full Length 100% match
ccsbBroadEn_00638	ccsbBroad304_00638		BC069663,BC069746	2695	GIP	no errors	hORFeome V8.1 Collection	2695	GIP	NM_004123.2	Full Length 100% match
ccsbBroadEn_00639	ccsbBroad304_00639	454	BC093723	2696	GIPR	no errors	hORFeome V8.1 Collection	2696	GIPR	NM_000164.2	Full Length 100% match
ccsbBroadEn_00640	ccsbBroad304_00640		BC072389	2701	GJA4	no errors	hORFeome V8.1 Collection	2701	GJA4	NM_002060.2	Full Length 100% match
ccsbBroadEn_00641	ccsbBroad304_00641		BC013313	2702	GJA5	no errors	hORFeome V8.1 Collection	2702	GJA5	NM_005266.5; NM_181703.2	Full Length 100% match



ccsbBroadEn_00642	ccsbBroad304_00642		BC012918	2707	GJB3	no errors	hORFeome V8.1 Collection	2707	GJB3	NM_001005752.1; NM_024009.2	Full Length 100% match
ccsbBroadEn_00643	ccsbBroad304_00643		BC004379	2709	GJB5	no errors	hORFeome V8.1 Collection	2709	GJB5	NM_005268.2	Full Length 100% match
ccsbBroadEn_00644	ccsbBroad304_00644		BC039894	2729	GCLC	no errors	hORFeome V8.1 Collection	2729	GCLC	NM_001498.3	Full Length 100% match
ccsbBroadEn_00645	ccsbBroad304_00645		BC041809	2730	GCLM	no errors	hORFeome V8.1 Collection	2730	GCLM	NM_002061.2	Full Length 100% match
ccsbBroadEn_00646	ccsbBroad304_00646		BC001741	2739	GLO1	no errors	hORFeome V8.1 Collection	2739	GLO1	NM_006708.2	Full Length 100% match
ccsbBroadEn_00647	ccsbBroad304_00647		BC032864	2742	GLRA2	no errors	hORFeome V8.1 Collection	2742	GLRA2	NM_001118885.1; NM_002063.3	Full Length 100% match
ccsbBroadEn_00648	ccsbBroad304_00648		BC005304,BC010965	2745	GLRX	no errors	hORFeome V8.1 Collection	2745	GLRX	NM_001118890.1; NM_002064.2	Full Length 100% match
ccsbBroadEn_00649	ccsbBroad304_00649		BC126336,BC126338	2765	GML	no errors	hORFeome V8.1 Collection	2765	GML	NM_002066.2	Full Length 100% match
ccsbBroadEn_00650	ccsbBroad304_00650		BC096225	2767	GNA11	no errors	hORFeome V8.1 Collection	2767	GNA11	NM_002067.2	Full Length 100% match
ccsbBroadEn_00651	ccsbBroad304_00651		BC025285	2773	GNAI3	no errors	hORFeome V8.1 Collection	2773	GNAI3	NM_006496.2	Full Length 100% match
ccsbBroadEn_00652	ccsbBroad304_00652		BC008855	2778	GNAS	no errors	hORFeome V8.1 Collection	2778	GNAS	NM_001077488.1	Full Length 100% match
ccsbBroadEn_00653	ccsbBroad304_00653	454	BC095505	2779	GNAT1	no errors	hORFeome V8.1 Collection	2779	GNAT1	NM_000172.3; NM_144499.2	Full Length 100% match
ccsbBroadEn_00654	ccsbBroad304_00654		BC004186,BC008991	2782	GNB1	no errors	hORFeome V8.1 Collection	2782	GNB1	NM_002074.2	Full Length 100% match
ccsbBroadEn_00655	ccsbBroad304_00655		BC010073	2783	GNB2	no errors	hORFeome V8.1 Collection	2783	GNB2	NM_005273.3	Full Length 100% match
ccsbBroadEn_00656	ccsbBroad304_00656		BC015563	2785	GNG3	no errors	hORFeome V8.1 Collection	2785	GNG3	NM_012202.3	Full Length 100% match
ccsbBroadEn_00657	ccsbBroad304_00657		BC022485	2786	GNG4	no errors	hORFeome V8.1 Collection	2786	GNG4	NM_001098721.1; NM_001098722.1; NM_004485.3	Full Length 100% match
ccsbBroadEn_00658	ccsbBroad304_00658		BC003563	2787	GNG5	no errors	hORFeome V8.1 Collection	2787	GNG5	NM_005274.2	Full Length 100% match
ccsbBroadEn_00659	ccsbBroad304_00659		BC010384,BC016319	2790	GNG10	no errors	hORFeome V8.1 Collection	2790	GNG10	NM_001017998.3; NM_001198664.1	Full Length 100% match
ccsbBroadEn_00660	ccsbBroad304_00660		BC029367	2792	GNGT1	no errors	hORFeome V8.1 Collection	2792	GNGT1	NM_021955.3	Full Length 100% match
ccsbBroadEn_00661	ccsbBroad304_00661		BC008663	2793	GNGT2	no errors	hORFeome V8.1 Collection	2793	GNGT2	NM_031498.2; NM_001198754.1; NM_001198755.1; NM_001198756.1	Full Length 100% match
ccsbBroadEn_00662	ccsbBroad304_00662		BC126437,BC126463	2796	GNRH1	no errors	hORFeome V8.1 Collection	2796	GNRH1	NM_000825.3; NM_001083111.1	Full Length 100% match
ccsbBroadEn_00663	ccsbBroad304_00663		BC113546	2798	GNRHR	no errors	hORFeome V8.1 Collection	2798	GNRHR	NM_000406.2	Full Length 100% match
ccsbBroadEn_00664	ccsbBroad304_00664		BC012482	2799	GNS	no errors	hORFeome V8.1 Collection	2799	GNS	NM_002076.3	Full Length 100% match
ccsbBroadEn_00665	ccsbBroad304_00665		BC000498	2805	GOT1	no errors	hORFeome V8.1 Collection	2805	GOT1	NM_002079.2	Full Length 100% match
ccsbBroadEn_00666	ccsbBroad304_00666		BC032234	2819	GPD1	no errors	hORFeome V8.1 Collection	2819	GPD1	NM_005276.2	Full Length 100% match
ccsbBroadEn_00667	ccsbBroad304_00667		BC022508,BC022528	2823	GPM6A	no errors	hORFeome V8.1 Collection	2823	GPM6A	NM_005277.3; NM_201591.1	Full Length 100% match
ccsbBroadEn_00668	ccsbBroad304_00668		BC047295	2824	GPM6B	no errors	hORFeome V8.1 Collection	2824	GPM6B	NM_001001996.1	Full Length 100% match
ccsbBroadEn_00669	ccsbBroad304_00669		BC032702	2827	GPR3	no errors	hORFeome V8.1 Collection	2827	GPR3	NM_005281.2	Full Length 100% match
ccsbBroadEn_00670	ccsbBroad304_00670		BC067536	2828	GPR4	no errors	hORFeome V8.1 Collection	2828	GPR4	NM_005282.2	Full Length 100% match
ccsbBroadEn_00671	ccsbBroad304_00671		BC069589	2829	XCR1	no errors	hORFeome V8.1 Collection	2829	XCR1	NM_005283.2; NM_001024644.1	Full Length 100% match
ccsbBroadEn_00672	ccsbBroad304_00672		BC126301	2830	GPR6	no errors	hORFeome V8.1 Collection	2830	GPR6	NM_005284.3	Full Length 100% match
ccsbBroadEn_00673	ccsbBroad304_00673		BC034403	2833	CXCR3	no errors	hORFeome V8.1 Collection	2833	CXCR3	NM_001504.1	Full Length 100% match
ccsbBroadEn_00674	ccsbBroad304_00674	454	BC112144	2835	GPR12	no errors	hORFeome V8.1 Collection	2835	GPR12	NM_005288.3	Full Length 100% match
ccsbBroadEn_00675	ccsbBroad304_00675		BC008569,BC066927	2841	GPR18	no errors	hORFeome V8.1 Collection	2841	GPR18	NM_001098200.1; NM_005292.3	Full Length 100% match
ccsbBroadEn_00676	ccsbBroad304_00676		BC066885	2844	GPR21	no errors	hORFeome V8.1 Collection	2844	GPR21	NM_005294.1	Full Length 100% match
ccsbBroadEn_00677	ccsbBroad304_00677		BC020678	2857	GPR34	no errors	hORFeome V8.1 Collection	2857	GPR34	NM_005300.3; NM_001097579.1	Full Length 100% match
ccsbBroadEn_00678	ccsbBroad304_00678		BC040007	2861	GPR37	no errors	hORFeome V8.1 Collection	2861	GPR37	NM_005302.2	Full Length 100% match
ccsbBroadEn_00679	ccsbBroad304_00679		BC125046	2863	GPR39	no errors	hORFeome V8.1 Collection	2863	GPR39	NM_001508.2	Full Length 100% match
ccsbBroadEn_00680	ccsbBroad304_00680		BC035657	2865	FFAR3	no errors	hORFeome V8.1 Collection	2865	FFAR3	NM_005304.3	Full Length 100% match
ccsbBroadEn_00681	ccsbBroad304_00681		BC096198	2867	FFAR2	no errors	hORFeome V8.1 Collection	2867	FFAR2	NM_005306.2	Full Length 100% match
ccsbBroadEn_00682	ccsbBroad304_00682		BC009277	2870	GRK6	no errors	hORFeome V8.1 Collection	2870	GRK6	NM_001004106.2	Full Length 100% match
ccsbBroadEn_00683	ccsbBroad304_00683		BC064503	2873	GPS1	no errors	hORFeome V8.1 Collection	2873	GPS1	NM_212492.1	Full Length 100% match
ccsbBroadEn_00684	ccsbBroad304_00684		BC013652	2874	GPS2	no errors	hORFeome V8.1 Collection	2874	GPS2	NM_004489.4	Full Length 100% match
ccsbBroadEn_00685	ccsbBroad304_00685		BC007865	2876	GPX1	early stop codon	hORFeome V8.1 Mutant Subcollection	2876	GPX1	NM_000581.2	Full Length 100% match
ccsbBroadEn_00686	ccsbBroad304_00686		BC013601,BC050378	2878	GPX3	early stop codon	hORFeome V8.1 Mutant Subcollection	2878	GPX3	NM_002084.3	Full Length 100% match
ccsbBroadEn_00687	ccsbBroad304_00687		BC011836,BC039849	2879	GPX4	early stop codon	hORFeome V8.1 Mutant Subcollection	2879	GPX4	NM_002085.3	Full Length 100% match
ccsbBroadEn_00688	ccsbBroad304_00688		BC000631	2885	GRB2	no errors	hORFeome V8.1 Collection	2885	GRB2	NM_002086.4	Full Length 100% match
ccsbBroadEn_00689	ccsbBroad304_00689		BC006535	2886	GRB7	no errors	hORFeome V8.1 Collection	2886	GRB7	NM_005310.2; NM_001030002.1	Full Length 100% match
ccsbBroadEn_00690	ccsbBroad304_00690		BC010577	2896	GRN	no errors	hORFeome V8.1 Collection	2896	GRN	NM_002087.2	Full Length 100% match
ccsbBroadEn_00691	ccsbBroad304_00691		BC117131	2903	GRIN2A	no errors	hORFeome V8.1 Collection	2903	GRIN2A	NM_001134408.1	Full Length 100% match
ccsbBroadEn_00692	ccsbBroad304_00692	454	BC084553	2907	GRINA	no errors	hORFeome V8.1 Collection	2907	GRINA	NM_000837.1; NM_001009184.1	Full Length 100% match
ccsbBroadEn_00693	ccsbBroad304_00693		BC015610	2908	NR3C1	no errors	hORFeome V8.1 Collection	2908	NR3C1	NM_000176.2; NM_001018077.1; NM_001018076.1; NM_001018075.1;	Full Length 100% match
ccsbBroadEn_00694	ccsbBroad304_00694		BC130528	2914	GRM4	no errors	hORFeome V8.1 Collection	2914	GRM4	NM_000841.1	Full Length 100% match
ccsbBroadEn_00695	ccsbBroad304_00695		BC011976	2919	CXCL1	no errors	hORFeome V8.1 Collection	2919	CXCL1	NM_001511.2	Full Length 100% match
ccsbBroadEn_00696	ccsbBroad304_00696		BC015753	2920	CXCL2	no errors	hORFeome V8.1 Collection	2920	CXCL2	NM_002089.3	Full Length 100% match
ccsbBroadEn_00697	ccsbBroad304_00697		BC016308	2921	CXCL3	no errors	hORFeome V8.1 Collection	2921	CXCL3	NM_002090.2	Full Length 100% match
ccsbBroadEn_00698	ccsbBroad304_00698		BC004488	2922	GRP	no errors	hORFeome V8.1 Collection	2922	GRP	NM_002091.3	Full Length 100% match
ccsbBroadEn_00699	Failed LR reaction		BC014433	2923	PDIA3	no errors	hORFeome V8.1 Collection	2923	PDIA3	NM_005313.4	Full Length 100% match
ccsbBroadEn_00700	Failed LR reaction		BC007927	2937	GSS	no errors	hORFeome V8.1 Collection	2937	GSS	NM_000178.2	Full Length 100% match
ccsbBroadEn_00701	ccsbBroad304_00701		BC053578	2938	GSTA1	no errors	hORFeome V8.1 Collection	2938	GSTA1	NM_145740.3	Full Length 100% match
ccsbBroadEn_00702	ccsbBroad304_00702		BC024005	2944	GSTM1	no errors	hORFeome V8.1 Collection	2944	GSTM1	NM_146421.2	Full Length 100% match
ccsbBroadEn_00703	ccsbBroad304_00703		BC000088	2947	GSTM3	no errors	hORFeome V8.1 Collection	2947	GSTM3	NM_000849.4	Full Length 100% match
ccsbBroadEn_00704	ccsbBroad304_00704		BC001453	2954	GSTZ1	no errors	hORFeome V8.1 Collection	2954	GSTZ1	NM_145870.2	Full Length 100% match
ccsbBroadEn_00705	ccsbBroad304_00705		BC107156	2957	GTF2A1	no errors	hORFeome V8.1 Collection	2957	GTF2A1	NM_015859.2	Full Length 100% match
ccsbBroadEn_00706	ccsbBroad304_00706		BC020597,BC021000	2959	GTF2B	no errors	hORFeome V8.1 Collection	2959	GTF2B	NM_001514.5	Full Length 100% match
ccsbBroadEn_00707	ccsbBroad304_00707		BC030572	2961	GTF2E2	no errors	hORFeome V8.1 Collection	2961	GTF2E2	NM_002095.4	Full Length 100% match
ccsbBroadEn_00708	ccsbBroad304_00708		BC000120	2962	GTF2F1	no errors	hORFeome V8.1 Collection	2962	GTF2F1	NM_002096.2	Full Length 100% match
ccsbBroadEn_00709	ccsbBroad304_00709	454	BC006249,BC009914	2987	GUK1	no errors	hORFeome V8.1 Collection	2987	GUK1	NM_000858.5; NM_001159391.1	Full Length 100% match
ccsbBroadEn_00710	ccsbBroad304_00710		BC014142	2990	GUSB	no errors	hORFeome V8.1 Collection	2990	GUSB	NM_000181.3	Full Length 100% match
ccsbBroadEn_00711	ccsbBroad304_00711		BC069310	2994	GYPB	no errors	hORFeome V8.1 Collection	2994	GYPB	NM_002100.4	Full Length 100% match
ccsbBroadEn_00712	ccsbBroad304_00712		BC027974	2999	GZMH	no errors	hORFeome V8.1 Collection	2999	GZMH	NM_033423.3	Full Length 100% match



ccsbBroadEn_00713	Failed LR reaction		BC025701	3004	GZMM	no errors	hORFeome V8.1 Collection	3004	GZMM	NM_005317.2	Full Length 100% match
ccsbBroadEn_00714	ccsbBroad304_00714		BC002649	3006	HIST1H1C	no errors	hORFeome V8.1 Collection	3006	HIST1H1C	NM_005319.3	Full Length 100% match
ccsbBroadEn_00715	ccsbBroad304_00715		BC096168	3008	HIST1H1E	no errors	hORFeome V8.1 Collection	3008	HIST1H1E	NM_005321.2	Full Length 100% match
ccsbBroadEn_00716	ccsbBroad304_00716		BC069517	3010	HIST1H1T	no errors	hORFeome V8.1 Collection	3010	HIST1H1T	NM_005323.3	Full Length 100% match
ccsbBroadEn_00717	ccsbBroad304_00717		BC004915,BC013416	3014	H2AFX	no errors	hORFeome V8.1 Collection	3014	H2AFX	NM_002105.2	Full Length 100% match
ccsbBroadEn_00718	ccsbBroad304_00718		BC018002,BC020936	3015	H2AFZ	no errors	hORFeome V8.1 Collection	3015	H2AFZ	NM_002106.3	Full Length 100% match
ccsbBroadEn_00719	ccsbBroad304_00719		BC001124,BC017558	3021	H3F3B	no errors	hORFeome V8.1 Collection	3021	H3F3B	NM_005324.3	Full Length 100% match
ccsbBroadEn_00720	ccsbBroad304_00720		BC069492	3024	HIST1H1A	no errors	hORFeome V8.1 Collection	3024	HIST1H1A	NM_005325.3	Full Length 100% match
ccsbBroadEn_00721	ccsbBroad304_00721		BC031412	3026	HABP2	no errors	hORFeome V8.1 Collection	3026	HABP2	NM_004132.3	Full Length 100% match
ccsbBroadEn_00722	ccsbBroad304_00722		BC008708	3028	HSD17B10	no errors	hORFeome V8.1 Collection	3028	HSD17B10	NM_001037811.2	Full Length 100% match
ccsbBroadEn_00723	ccsbBroad304_00723		BC000372	3028	HSD17B10	no errors	hORFeome V8.1 Collection	3028	HSD17B10	NM_004493.2	Full Length 100% match
ccsbBroadEn_00724	Failed LR reaction		BC002627	3029	HAGH	no errors	hORFeome V8.1 Collection	3029	HAGH	NM_001040427.1	Full Length 100% match
ccsbBroadEn_00725	ccsbBroad304_00725		BC009235	3030	HADHA	no errors	hORFeome V8.1 Collection	3030	HADHA	NM_000182.4	Full Length 100% match
ccsbBroadEn_00726	ccsbBroad304_00726		BC109071	3037	HAS2	no errors	hORFeome V8.1 Collection	3037	HAS2	NM_005328.2	Full Length 100% match
ccsbBroadEn_00727	ccsbBroad304_00727	454	BC035682	3042	HBM	no errors	hORFeome V8.1 Collection	3042	HBM	NM_001003938.3	Full Length 100% match
ccsbBroadEn_00728	ccsbBroad304_00728		BC015537	3046	HBE1	no errors	hORFeome V8.1 Collection	3046	HBE1	NM_005330.3	Full Length 100% match
ccsbBroadEn_00729	Failed LR reaction		BC010914,BC029387	3047	HBG1	no errors	hORFeome V8.1 Collection	3048	HBG2	NM_000184.2	Full Length 100% match
ccsbBroadEn_00730	ccsbBroad304_00730		BC056686	3049	HBQ1	no errors	hORFeome V8.1 Collection	3049	HBQ1	NM_005331.4	Full Length 100% match
ccsbBroadEn_00731	ccsbBroad304_00731		BC027892	3050	HBZ	no errors	hORFeome V8.1 Collection	3050	HBZ	NM_005332.2	Full Length 100% match
ccsbBroadEn_00732	ccsbBroad304_00732		BC001691	3052	HCCS	no errors	hORFeome V8.1 Collection	3052	HCCS	NM_001122608.2; NM_005333.4; NM_001171991.2	Full Length 100% match
ccsbBroadEn_00733	ccsbBroad304_00733		BC014435	3055	HCK	no errors	hORFeome V8.1 Collection	3055	HCK	NM_001172129.1; NM_001172133.1	Full Length 100% match
ccsbBroadEn_00734	ccsbBroad304_00734		BC000301	3065	HDAC1	no errors	hORFeome V8.1 Collection	3065	HDAC1	NM_004964.2	Full Length 100% match
ccsbBroadEn_00735	ccsbBroad304_00735		BC022283	3080	CFHR2	no errors	hORFeome V8.1 Collection	3080	CFHR2	NM_005666.2	Full Length 100% match
ccsbBroadEn_00736	ccsbBroad304_00736		BC064587	3084	NRG1	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	3084	NRG1	NM_013959.3	Full Length 100% match
ccsbBroadEn_00737	ccsbBroad304_00737		BC022804,BC050600	3093	UBE2K	no errors	hORFeome V8.1 Collection	3093	UBE2K	NM_005339.4	Full Length 100% match
ccsbBroadEn_00738	ccsbBroad304_00738	454	BC001287,BC007090	3094	HINT1	no errors	hORFeome V8.1 Collection	3094	HINT1	NM_005340.5	Full Length 100% match
ccsbBroadEn_00739	ccsbBroad304_00739		BC013573	3104	ZBTB48	no errors	hORFeome V8.1 Collection	3104	ZBTB48	NM_005341.2	Full Length 100% match
ccsbBroadEn_00740	ccsbBroad304_00740		BC006097	3112	HLA-DOB	no errors	hORFeome V8.1 Collection	3112	HLA-DOB	NM_002120.3	Full Length 100% match
ccsbBroadEn_00741	ccsbBroad304_00741		BC008585	3117	HLA-DQA1	no errors	hORFeome V8.1 Collection	100507686; 100133678	LOC100507686; LOC100133678	XM_003119089.1; XM_003119090.1; XM_003119383.1; XM_003119384.1	Full Length 100% match
ccsbBroadEn_00742	ccsbBroad304_00742		BC125045	3117	HLA-DQA1	no errors	hORFeome V8.1 Collection	100509457; 100507686	LOC100509457; LOC100507686	XM_003120269.1; XM_003120271.1; XM_003119263.1; XM_003119265.1; XM_003119295.1; XM_003119297.1	Full Length 100% match
ccsbBroadEn_00743	ccsbBroad304_00743		BC001023	3125	HLA-DRB3	no errors	hORFeome V8.1 Collection	100507709; 100507714	LOC100507709; LOC100507714	XM_003119259.1; XM_003119260.1; XM_003119291.1; XM_003119292.1	Full Length 100% match
ccsbBroadEn_00744	ccsbBroad304_00744		BC008987	3125	HLA-DRB3	no errors	hORFeome V8.1 Collection	3125	HLA-DRB3	NM_022555.3	Full Length 100% match
ccsbBroadEn_00745	ccsbBroad304_00745		BC005312	3126	HLA-DRB4	no errors	hORFeome V8.1 Collection	3126	HLA-DRB4	NM_021983.4	Full Length 100% match
ccsbBroadEn_00746	ccsbBroad304_00746		BC009234	3127	HLA-DRB5	no errors	hORFeome V8.1 Collection	3127	HLA-DRB5	NM_002125.3	Full Length 100% match
ccsbBroadEn_00747	ccsbBroad304_00747		BC036093	3131	HLF	no errors	hORFeome V8.1 Collection	3131	HLF	NM_002126.4	Full Length 100% match
ccsbBroadEn_00748	ccsbBroad304_00748		BC012485	3140	MR1	no errors	hORFeome V8.1 Collection	3140	MR1	NM_001194999.1	Full Length 100% match
ccsbBroadEn_00749	ccsbBroad304_00749		BC007294,BC033808	3142	HLX	no errors	hORFeome V8.1 Collection	3142	HLX	NM_021958.3	Full Length 100% match
ccsbBroadEn_00750	ccsbBroad304_00750		BC000520,BC008149	3145	HMBS	no errors	hORFeome V8.1 Collection	3145	HMBS	NM_000190.3	Full Length 100% match
ccsbBroadEn_00751	ccsbBroad304_00751		BC001063	3148	HMGB2	no errors	hORFeome V8.1 Collection	3148	HMGB2	NM_002129.3; NM_001130688.1; NM_001130689.1	Full Length 100% match
ccsbBroadEn_00752	ccsbBroad304_00752		BC070482	3149	HMGB3	no errors	hORFeome V8.1 Collection	3149	HMGB3	NM_005342.2	Full Length 100% match
ccsbBroadEn_00753	ccsbBroad304_00753		BC000075,BC023984	3150	HMGN1	no errors	hORFeome V8.1 Collection	3150	HMGN1	NM_004965.6	Full Length 100% match
ccsbBroadEn_00754	ccsbBroad304_00754		BC014644,BC032140	3151	HMGN2	no errors	hORFeome V8.1 Collection	3151	HMGN2	NM_005517.3	Full Length 100% match
ccsbBroadEn_00755	ccsbBroad304_00755		BC033692	3156	HMGCR	no errors	hORFeome V8.1 Collection	3156	HMGCR	NM_001130996.1	Full Length 100% match
ccsbBroadEn_00756	ccsbBroad304_00756	454	BC044217	3158	HMGCS2	no errors	hORFeome V8.1 Collection	3158	HMGCS2	NM_005518.3	Full Length 100% match
ccsbBroadEn_00757	ccsbBroad304_00757		BC004924	3159	HMGA1	no errors	hORFeome V8.1 Collection	3159	HMGA1	NM_145905.2; NM_145903.2; NM_002131.3; NM_145902.2	Full Length 100% match
ccsbBroadEn_00758	ccsbBroad304_00758		BC008832,BC067083	3159	HMGA1	no errors	hORFeome V8.1 Collection	3159	HMGA1	NM_145899.2; NM_145901.2	Full Length 100% match
ccsbBroadEn_00759	ccsbBroad304_00759		BC002396	3163	HMOX2	no errors	hORFeome V8.1 Collection	3163	HMOX2	NM_002134.3; NM_001127204.1; NM_001127206.1; NM_001127205.1	Full Length 100% match
ccsbBroadEn_00760	ccsbBroad304_00760		BC016147	3164	NR4A1	no errors	hORFeome V8.1 Collection	3164	NR4A1	NM_173157.1; NM_002135.3	Full Length 100% match
ccsbBroadEn_00761	ccsbBroad304_00761		BC132758	3167	HMX2	no errors	hORFeome V8.1 Collection	3167	HMX2	NM_005519.1	Full Length 100% match
ccsbBroadEn_00762	ccsbBroad304_00762		BC016024	3171	FOXA3	no errors	hORFeome V8.1 Collection	3171	FOXA3	NM_004497.2	Full Length 100% match
ccsbBroadEn_00763	ccsbBroad304_00763	454	BC137539	3172	HNFA4	no errors	hORFeome V8.1 Collection	3172	HNFA4	NM_178850.1	Full Length 100% match
ccsbBroadEn_00764	ccsbBroad304_00764	454	BC140830	3175	ONECUT1	no errors	hORFeome V8.1 Collection	3175	ONECUT1	NM_004498.1	Full Length 100% match
ccsbBroadEn_00765	ccsbBroad304_00765		BC002355,BC033714	3178	HNRNPA1	no errors	hORFeome V8.1 Collection	3178	HNRNPA1	NM_002136.2	Full Length 100% match
ccsbBroadEn_00766	ccsbBroad304_00766		BC002401	3184	HNRNPD	no errors	hORFeome V8.1 Collection	3184	HNRNPD	NM_031370.2	Full Length 100% match
ccsbBroadEn_00767	ccsbBroad304_00767	454	BC001348	3187	HNRNPH1	no errors	hORFeome V8.1 Collection	3187	HNRNPH1	NM_005520.2	Full Length 100% match
ccsbBroadEn_00768	ccsbBroad304_00768		BC000355	3190	HNRNPK	no errors	hORFeome V8.1 Collection	3190	HNRNPK	NM_002140.3; NM_031263.2	Full Length 100% match
ccsbBroadEn_00769	ccsbBroad304_00769		BC032547	3198	HOXA1	no errors	hORFeome V8.1 Collection	3198	HOXA1	NM_005522.4	Full Length 100% match
ccsbBroadEn_00770	ccsbBroad304_00770		BC130571	3199	HOXA2	no errors	hORFeome V8.1 Collection	3199	HOXA2	NM_006735.3	Full Length 100% match
ccsbBroadEn_00771	ccsbBroad304_00771		BC013682	3202	HOXA5	no errors	hORFeome V8.1 Collection	3202	HOXA5	NM_019102.2	Full Length 100% match
ccsbBroadEn_00772	ccsbBroad304_00772		BC069497	3203	HOXA6	no errors	hORFeome V8.1 Collection	3203	HOXA6	NM_024014.2	Full Length 100% match
ccsbBroadEn_00773	ccsbBroad304_00773		BC006537,BC010023	3205	HOXA9	no errors	hORFeome V8.1 Collection	3205	HOXA9	NM_152739.3	Full Length 100% match
ccsbBroadEn_00774	ccsbBroad304_00774		BC071843	3206	HOXA10	no errors	hORFeome V8.1 Collection	3206	HOXA10	NM_153715.3	Full Length 100% match
ccsbBroadEn_00775	ccsbBroad304_00775		BC117247	3215	HOXB5	no errors	hORFeome V8.1 Collection	3215	HOXB5	NM_002147.3	Full Length 100% match
ccsbBroadEn_00776	ccsbBroad304_00776		BC014651	3216	HOXB6	no errors	hORFeome V8.1 Collection	3216	HOXB6	NM_018952.4	Full Length 100% match
ccsbBroadEn_00777	ccsbBroad304_00777	454	BC053898	3224	HOXC8	no errors	hORFeome V8.1 Collection	3224	HOXC8	NM_022658.3	Full Length 100% match
ccsbBroadEn_00778	ccsbBroad304_00778		BC001293	3226	HOXC10	no errors	hORFeome V8.1 Collection	3226	HOXC10	NM_017409.3	Full Length 100% match
ccsbBroadEn_00779	ccsbBroad304_00779	454	BC016763,BC074797	3233	HOXD4	no errors	hORFeome V8.1 Collection	3233	HOXD4	NM_014621.2	Full Length 100% match
ccsbBroadEn_00780	ccsbBroad304_00780		BC069619	3236	HOXD10	no errors	hORFeome V8.1 Collection	3236	HOXD10	NM_002148.3	Full Length 100% match



ccsbBroadEn_00781	ccsbBroad304_00781		BC024287	3242	HPD	no errors	hORFeome V8.1 Collection	3242	HPD	NM_002150.2	Full Length 100% match
ccsbBroadEn_00782	ccsbBroad304_00782		BC018986	3248	HPGD	no errors	hORFeome V8.1 Collection	3248	HPGD	NM_000860.4	Full Length 100% match
ccsbBroadEn_00783	ccsbBroad304_00783		BC000578	3251	HPRT1	no errors	hORFeome V8.1 Collection	3251	HPRT1	NM_000194.2	Full Length 100% match
ccsbBroadEn_00784	ccsbBroad304_00784	454	BC006499	3265	HRAS	no errors	hORFeome V8.1 Collection	3265	HRAS	NM_176795.3	Full Length 100% match
ccsbBroadEn_00785	Failed LR reaction	454	BC101642	3266	ERAS	no errors	hORFeome V8.1 Collection	3266	ERAS	NM_181532.2	Full Length 100% match
ccsbBroadEn_00786	ccsbBroad304_00786	454	BC069795,BC094691	3270	HRC	no errors	hORFeome V8.1 Collection	3270	HRC	NM_002152.2	Full Length 100% match
ccsbBroadEn_00787	ccsbBroad304_00787	454	BC069574	3273	HRG	no errors	hORFeome V8.1 Collection	3273	HRG	NM_000412.2	Full Length 100% match
ccsbBroadEn_00788	ccsbBroad304_00788	454	BC054510	3274	HRH2	no errors	hORFeome V8.1 Collection	3274	HRH2	NM_001131055.1	Full Length 100% match
ccsbBroadEn_00789	ccsbBroad304_00789		BC007515	3281	HSBP1	no errors	hORFeome V8.1 Collection	3281	HSBP1	NM_001537.2	Full Length 100% match
ccsbBroadEn_00790	ccsbBroad304_00790		BC038419	3284	HSD3B2	no errors	hORFeome V8.1 Collection	3284	HSD3B2	NM_000198.3;	Full Length 100% match
ccsbBroadEn_00791	ccsbBroad304_00791		BC034281	3293	HSD17B3	no errors	hORFeome V8.1 Collection	3293	HSD17B3	NM_000166120.1	Full Length 100% match
ccsbBroadEn_00792	ccsbBroad304_00792		BC009581,BC059170	3294	HSD17B2	no errors	hORFeome V8.1 Collection	3294	HSD17B2	NM_000197.1	Full Length 100% match
ccsbBroadEn_00793	ccsbBroad304_00793		BC003098	3295	HSD17B4	no errors	hORFeome V8.1 Collection	3295	HSD17B4	NM_002153.2	Full Length 100% match
ccsbBroadEn_00794	ccsbBroad304_00794		BC014638	3297	HSF1	no errors	hORFeome V8.1 Collection	3297	HSF1	NM_000414.3	Full Length 100% match
ccsbBroadEn_00795	ccsbBroad304_00795		BC121051	3298	HSF2	no errors	hORFeome V8.1 Collection	3298	HSF2	NM_005526.2	Full Length 100% match
ccsbBroadEn_00796	ccsbBroad304_00796		BC011609	3300	DNAJB2	no errors	hORFeome V8.1 Collection	3300	DNAJB2	NM_004506.3	Full Length 100% match
ccsbBroadEn_00797	ccsbBroad304_00797		BC001752	3306	HSPA2	no errors	hORFeome V8.1 Collection	3306	HSPA2	NM_006736.5	Full Length 100% match
ccsbBroadEn_00798	ccsbBroad304_00798		BC109393	3316	HSPB2	no errors	hORFeome V8.1 Collection	3316	HSPB2	NM_021979.3	Full Length 100% match
ccsbBroadEn_00799	ccsbBroad304_00799		BC004928,BC012807	3326	HSP90AB1	no errors	hORFeome V8.1 Collection	3326	HSP90AB1	NM_001541.3	Full Length 100% match
ccsbBroadEn_00800	ccsbBroad304_00800		BC002676	3329	HSPD1	no errors	hORFeome V8.1 Collection	3329	HSPD1	NM_007355.2	Full Length 100% match
ccsbBroadEn_00801	Failed LR reaction		BC002352,BC019827	3337	DNAJB1	no errors	hORFeome V8.1 Collection	3337	DNAJB1	NM_002156.4;	Full Length 100% match
ccsbBroadEn_00802	ccsbBroad304_00802		BC044584,BC057849	3338	DNAJC4	no errors	hORFeome V8.1 Collection	3338	DNAJC4	NM_199440.1	Full Length 100% match
ccsbBroadEn_00803	ccsbBroad304_00803		BC009791	3347	HTN3	no errors	hORFeome V8.1 Collection	3347	HTN3	NM_006145.1	Full Length 100% match
ccsbBroadEn_00804	ccsbBroad304_00804		BC096207	3351	HTR1B	no errors	hORFeome V8.1 Collection	3351	HTR1B	NM_005528.3	Full Length 100% match
ccsbBroadEn_00805	ccsbBroad304_00805	454	BC095543	3358	HTR2C	no errors	hORFeome V8.1 Collection	3358	HTR2C	NM_000200.2	Full Length 100% match
ccsbBroadEn_00806	ccsbBroad304_00806	454	BC112021	3361	HTR5A	no errors	hORFeome V8.1 Collection	3361	HTR5A	NM_000863.1	Full Length 100% match
ccsbBroadEn_00807	ccsbBroad304_00807	454	BC074995	3362	HTR6	no errors	hORFeome V8.1 Collection	3362	HTR6	NM_000868.2	Full Length 100% match
ccsbBroadEn_00808	ccsbBroad304_00808	454	BC047526	3363	HTR7	no errors	hORFeome V8.1 Collection	3363	HTR7	NM_024012.2	Full Length 100% match
ccsbBroadEn_00809	ccsbBroad304_00809		BC007013	3364	HUS1	no errors	hORFeome V8.1 Collection	3364	HUS1	NM_000871.1	Full Length 100% match
ccsbBroadEn_00810	ccsbBroad304_00810		BC035695	3373	HYAL1	no errors	hORFeome V8.1 Collection	3373	HYAL1	NM_000872.4	Full Length 100% match
ccsbBroadEn_00811	ccsbBroad304_00811		BC015969	3383	ICAM1	no errors	hORFeome V8.1 Collection	3383	ICAM1	NM_004507.2	Full Length 100% match
ccsbBroadEn_00812	ccsbBroad304_00812		BC003097	3384	ICAM2	no errors	hORFeome V8.1 Collection	3384	ICAM2	NM_007312.3;	Full Length 100% match
ccsbBroadEn_00813	ccsbBroad304_00813		BC000046	3386	ICAM4	no errors	hORFeome V8.1 Collection	3386	ICAM4	NM_033159.2;	Full Length 100% match
ccsbBroadEn_00814	ccsbBroad304_00814		BC126247	3394	IRF8	no errors	hORFeome V8.1 Collection	3394	IRF8	NM_153281.1	Full Length 100% match
ccsbBroadEn_00815	ccsbBroad304_00815		BC030639	3398	ID2	no errors	hORFeome V8.1 Collection	3398	ID2	NM_000201.2	Full Length 100% match
ccsbBroadEn_00816	ccsbBroad304_00816		BC096336	3416	IDE	no errors	hORFeome V8.1 Collection	3416	IDE	NM_001099786.1;	Full Length 100% match
ccsbBroadEn_00817	ccsbBroad304_00817		BC009244	3418	IDH2	no errors	hORFeome V8.1 Collection	3418	IDH2	NM_000873.3;	Full Length 100% match
ccsbBroadEn_00818	ccsbBroad304_00818		BC021967	3419	IDH3A	no errors	hORFeome V8.1 Collection	3419	IDH3A	NM_001099787.1;	Full Length 100% match
ccsbBroadEn_00819	ccsbBroad304_00819		BC001960	3420	IDH3B	no errors	hORFeome V8.1 Collection	3420	IDH3B	NM_001099788.1;	Full Length 100% match
ccsbBroadEn_00820	ccsbBroad304_00820		BC015492	3429	IFI27	no errors	hORFeome V8.1 Collection	3429	IFI27	NM_001099789.1	Full Length 100% match
ccsbBroadEn_00821	ccsbBroad304_00821		BC112300,BC112302	3439	IFNA1	no errors	hORFeome V8.1 Collection	3439	IFNA1	NM_001099790.1	Full Length 100% match
ccsbBroadEn_00822	ccsbBroad304_00822	454	BC074936	3440	IFNA2	no errors	hORFeome V8.1 Collection	3440	IFNA2	NM_002163.2	Full Length 100% match
ccsbBroadEn_00823	ccsbBroad304_00823		BC113642	3441	IFNA4	no errors	hORFeome V8.1 Collection	3441	IFNA4	NM_000605.3	Full Length 100% match
ccsbBroadEn_00824	ccsbBroad304_00824	454	BC093755	3442	IFNA5	no errors	hORFeome V8.1 Collection	3442	IFNA5	NM_021068.2	Full Length 100% match
ccsbBroadEn_00825	ccsbBroad304_00825		BC098357	3443	IFNA6	no errors	hORFeome V8.1 Collection	3443	IFNA6	NM_002169.2	Full Length 100% match
ccsbBroadEn_00826	ccsbBroad304_00826	454	BC074991	3444	IFNA7	no errors	hORFeome V8.1 Collection	3444	IFNA7	NM_021002.2	Full Length 100% match
ccsbBroadEn_00827	ccsbBroad304_00827	454	BC104828	3445	IFNA8	no errors	hORFeome V8.1 Collection	3445	IFNA8	NM_021057.2	Full Length 100% match
ccsbBroadEn_00828	ccsbBroad304_00828	454	BC074956	3448	IFNA14	no errors	hORFeome V8.1 Collection	3448	IFNA14	NM_002170.3	Full Length 100% match
ccsbBroadEn_00829	ccsbBroad304_00829	454	BC096732,BC098355	3451	IFNA17	no errors	hORFeome V8.1 Collection	3451	IFNA17	NM_002172.2	Full Length 100% match
ccsbBroadEn_00830	ccsbBroad304_00830		BC069329,BC069408	3452	IFNA21	no errors	hORFeome V8.1 Collection	3452	IFNA21	NM_021268.2	Full Length 100% match
ccsbBroadEn_00831	ccsbBroad304_00831		BC021825	3454	IFNAR1	no errors	hORFeome V8.1 Collection	3454	IFNAR1	NM_002175.2	Full Length 100% match
ccsbBroadEn_00832	ccsbBroad304_00832		BC096150	3456	IFNB1	no errors	hORFeome V8.1 Collection	3456	IFNB1	NM_000629.2	Full Length 100% match
ccsbBroadEn_00833	ccsbBroad304_00833		BC070256	3458	IFNG	no errors	hORFeome V8.1 Collection	3458	IFNG	NM_002176.2	Full Length 100% match
ccsbBroadEn_00834	ccsbBroad304_00834		BC005333	3459	IFNGR1	no errors	hORFeome V8.1 Collection	3459	IFNGR1	NM_000619.2	Full Length 100% match
ccsbBroadEn_00835	ccsbBroad304_00835		BC117290,BC117292	3467	IFNW1	no errors	hORFeome V8.1 Collection	3467	IFNW1	NM_000416.2	Full Length 100% match
ccsbBroadEn_00836	ccsbBroad304_00836		BC000531	3481	IGF2	no errors	hORFeome V8.1 Collection	3481	IGF2	NM_002177.1	Full Length 100% match
ccsbBroadEn_00837	ccsbBroad304_00837		BC016041	3487	IGFBP4	no errors	hORFeome V8.1 Collection	3487	IGFBP4	NM_000612.4;	Full Length 100% match
ccsbBroadEn_00838	ccsbBroad304_00838		BC011453	3488	IGFBP5	no errors	hORFeome V8.1 Collection	3488	IGFBP5	NM_001007139.4	Full Length 100% match
ccsbBroadEn_00839	ccsbBroad304_00839		BC003507,BC011708	3489	IGFBP6	no errors	hORFeome V8.1 Collection	3489	IGFBP6	NM_001552.2	Full Length 100% match
ccsbBroadEn_00840	ccsbBroad304_00840	454	BC017201	3490	IGFBP7	no errors	hORFeome V8.1 Collection	3490	IGFBP7	NM_000599.3	Full Length 100% match
ccsbBroadEn_00841	ccsbBroad304_00841	454	BC108694	3551	IKBKB	no errors	hORFeome V8.1 Collection	3551	IKBKB	NM_002178.2	Full Length 100% match
ccsbBroadEn_00842	ccsbBroad304_00842		BC013142	3552	IL1A	no errors	hORFeome V8.1 Collection	3552	IL1A	NM_001553.1	Full Length 100% match
ccsbBroadEn_00843	ccsbBroad304_00843		BC008678	3553	IL1B	no errors	hORFeome V8.1 Collection	3553	IL1B	NM_001190722.1	Full Length 100% match
ccsbBroadEn_00844	ccsbBroad304_00844		BC067506	3554	IL1R1	no errors	hORFeome V8.1 Collection	3554	IL1R1	NM_000575.3	Full Length 100% match
ccsbBroadEn_00845	ccsbBroad304_00845		BC053621	3556	IL1RAP	no errors	hORFeome V8.1 Collection	3556	IL1RAP	NM_000576.2	Full Length 100% match
ccsbBroadEn_00846	ccsbBroad304_00846		BC066257	3558	IL2	no errors	hORFeome V8.1 Collection	3558	IL2	NM_000877.2	Full Length 100% match
ccsbBroadEn_00847	ccsbBroad304_00847		BC014972	3561	IL2RG	no errors	hORFeome V8.1 Collection	3561	IL2RG	NM_134470.3;	Full Length 100% match
ccsbBroadEn_00848	ccsbBroad304_00848		BC069472	3562	IL3	no errors	hORFeome V8.1 Collection	3562	IL3	NM_001167930.1	Full Length 100% match
ccsbBroadEn_00849	ccsbBroad304_00849		BC067514	3565	IL4	no errors	hORFeome V8.1 Collection	3565	IL4	NM_000586.3	Full Length 100% match
ccsbBroadEn_00850	ccsbBroad304_00850		BC132684	3570	IL6R	no errors	hORFeome V8.1 Collection	3570	IL6R	NM_000206.2	Full Length 100% match
ccsbBroadEn_00851	ccsbBroad304_00851	454	BC089410	3570	IL6R	no errors	hORFeome V8.1 Collection	3570	IL6R	NM_000588.3	Full Length 100% match
ccsbBroadEn_00852	ccsbBroad304_00852		BC047698	3574	IL7	no errors	hORFeome V8.1 Collection	3574	IL7	NM_000589.2	Full Length 100% match
ccsbBroadEn_00853	ccsbBroad304_00853		BC067540	3575	IL7R	no errors	hORFeome V8.1 Collection	3575	IL7R	NM_000565.2	Full Length 100% match
ccsbBroadEn_00854	ccsbBroad304_00854		BC013615	3576	IL8	no errors	hORFeome V8.1 Collection	3576	IL8	NM_000565.2	Full Length 100% match
ccsbBroadEn_00855	ccsbBroad304_00855		BC066285	3578	IL9	no errors	hORFeome V8.1 Collection	3578	IL9	NM_181359.1	Full Length 100% match
ccsbBroadEn_00856	ccsbBroad304_00856		BC037961	3579	CXCR2	no errors	hORFeome V8.1 Collection	3579	CXCR2	NM_000880.2	Full Length 100% match
ccsbBroadEn_00857	ccsbBroad304_00857		BC104252	3586	IL10	no errors	hORFeome V8.1 Collection	3586	IL10	NM_002185.2	Full Length 100% match
ccsbBroadEn_00858	ccsbBroad304_00858		BC012506	3589	IL11	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3589	IL11	NM_000584.2	Full Length 100% match
ccsbBroadEn_00859	ccsbBroad304_00859	454	BC104982	3592	IL12A	no errors	hORFeome V8.1 Collection	3592	IL12A	NM_000590.1	Full Length 100% match
ccsbBroadEn_00860	ccsbBroad304_00860		BC096139	3596	IL13	no errors	hORFeome V8.1 Collection	3596	IL13	NM_00168298.1	Full Length 100% match
ccsbBroadEn_00861	ccsbBroad304_00861		BC009960	3597	IL13RA1	no errors	hORFeome V8.1 Collection	3597	IL13RA1	NM_000572.2	Full Length 100% match
ccsbBroadEn_00862	ccsbBroad304_00862		BC020739,BC033705	3598	IL13RA2	no errors	hORFeome V8.1 Collection	3598	IL13RA2	NM_000641.2	Full Length 100% match



ccsbBroadEn_00863	ccsbBroad304_00863		BC018149	3600	IL15	no errors	hORFeome V8.1 Collection	3600	IL15	NM_000585.3;	Full Length 100% match
ccsbBroadEn_00864	ccsbBroad304_00864		BC006196	3604	TNFRSF9	no errors	hORFeome V8.1 Collection	3604	TNFRSF9	NM_001561.4	Full Length 100% match
ccsbBroadEn_00865	ccsbBroad304_00865		BC000382	3608	ILF2	no errors	hORFeome V8.1 Collection	3608	ILF2	NM_004515.2	Full Length 100% match
ccsbBroadEn_00866	ccsbBroad304_00866		BC009565	3612	IMPA1	no errors	hORFeome V8.1 Collection	3612	IMPA1	NM_005536.3	Full Length 100% match
ccsbBroadEn_00867	ccsbBroad304_00867		BC006124,BC015567	3615	IMPDH2	no errors	hORFeome V8.1 Collection	3615	IMPDH2	NM_000884.2	Full Length 100% match
ccsbBroadEn_00868	ccsbBroad304_00868		BC027882	3620	IDO1	no errors	hORFeome V8.1 Collection	3620	IDO1	NM_002164.4	Full Length 100% match
ccsbBroadEn_00869	ccsbBroad304_00869	454	BC093942	3621	ING1	no errors	hORFeome V8.1 Collection	3621	ING1	NM_198219.1	Full Length 100% match
ccsbBroadEn_00870	ccsbBroad304_00870		BC006391	3623	INHHA	no errors	hORFeome V8.1 Collection	3623	INHHA	NM_002191.3	Full Length 100% match
ccsbBroadEn_00871	ccsbBroad304_00871		BC007858	3624	INHBA	no errors	hORFeome V8.1 Collection	3624	INHBA	NM_002192.2	Full Length 100% match
ccsbBroadEn_00872	ccsbBroad304_00872		BC130324,BC130326	3626	INHBC	no errors	hORFeome V8.1 Collection	3626	INHBC	NM_005538.2	Full Length 100% match
ccsbBroadEn_00873	ccsbBroad304_00873		BC015496	3628	INPP1	no errors	hORFeome V8.1 Collection	3628	INPP1	NM_002194.3; NM_001128928.1	Full Length 100% match
ccsbBroadEn_00874	ccsbBroad304_00874		BC005255	3630	INS	no errors	hORFeome V8.1 Collection	3630	INS	NM_000207.2; NM_001185098.1; NM_001185097.1	Full Length 100% match
ccsbBroadEn_00875	ccsbBroad304_00875		BC096280	3632	INPP5A	no errors	hORFeome V8.1 Collection	3632	INPP5A	NM_005539.3	Full Length 100% match
ccsbBroadEn_00876	ccsbBroad304_00876		BC001880	3638	INSIG1	no errors	hORFeome V8.1 Collection	3638	INSIG1	NM_005542.4	Full Length 100% match
ccsbBroadEn_00877	ccsbBroad304_00877		BC026254	3641	INSL4	no errors	hORFeome V8.1 Collection	3641	INSL4	NM_002195.1	Full Length 100% match
ccsbBroadEn_00878	ccsbBroad304_00878		BC000734,BC021679	3646	EIF3E	no errors	hORFeome V8.1 Collection	3646	EIF3E	NM_001568.2	Full Length 100% match
ccsbBroadEn_00879	ccsbBroad304_00879		BC125184	3656	IRAK2	no errors	hORFeome V8.1 Collection	3656	IRAK2	NM_001570.3	Full Length 100% match
ccsbBroadEn_00880	ccsbBroad304_00880		BC015803	3660	IRF2	no errors	hORFeome V8.1 Collection	3660	IRF2	NM_002199.3	Full Length 100% match
ccsbBroadEn_00881	ccsbBroad304_00881		BC004139	3663	IRF5	no errors	hORFeome V8.1 Collection	3663	IRF5	NM_032643.3; NM_001098630.1; NM_001098627.2	Full Length 100% match
ccsbBroadEn_00882	ccsbBroad304_00882		BC053895	3667	IRS1	no errors	hORFeome V8.1 Collection	3667	IRS1	NM_005544.2	Full Length 100% match
ccsbBroadEn_00883	ccsbBroad304_00883		BC007922	3669	ISG20	no errors	hORFeome V8.1 Collection	3669	ISG20	NM_002201.4	Full Length 100% match
ccsbBroadEn_00884	ccsbBroad304_00884		BC008786	3678	ITGA5	no errors	hORFeome V8.1 Collection	3678	ITGA5	NM_002205.2	Full Length 100% match
ccsbBroadEn_00885	ccsbBroad304_00885		BC107604	3699	ITIH3	no errors	hORFeome V8.1 Collection	3699	ITIH3	NM_002217.3	Full Length 100% match
ccsbBroadEn_00886	ccsbBroad304_00886		BC109077	3702	ITK	no errors	hORFeome V8.1 Collection	3702	ITK	NM_005546.3	Full Length 100% match
ccsbBroadEn_00887	ccsbBroad304_00887		BC020965	3703	STT3A	no errors	hORFeome V8.1 Collection	3703	STT3A	NM_152713.3	Full Length 100% match
ccsbBroadEn_00888	ccsbBroad304_00888		BC003622	3705	ITPK1	no errors	hORFeome V8.1 Collection	3705	ITPK1	NM_001142594.1	Full Length 100% match
ccsbBroadEn_00889	ccsbBroad304_00889		BC009465	3726	JUNB	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3726	JUNB	NM_002229.2	Full Length 100% match
ccsbBroadEn_00890	ccsbBroad304_00890		BC004250,BC009466	3726	JUNB	no errors	hORFeome V8.1 Collection	3726	JUNB	NM_002229.2	Full Length 100% match
ccsbBroadEn_00891	ccsbBroad304_00891		BC069355	3742	KCNA6	no errors	hORFeome V8.1 Collection	3742	KCNA6	NM_002235.3	Full Length 100% match
ccsbBroadEn_00892	ccsbBroad304_00892		BC045659	3750	KCND1	no errors	hORFeome V8.1 Collection	3750	KCND1	NM_004979.4	Full Length 100% match
ccsbBroadEn_00893	ccsbBroad304_00893		BC110449	3751	KCND2	no errors	hORFeome V8.1 Collection	3751	KCND2	NM_012281.2	Full Length 100% match
ccsbBroadEn_00894	ccsbBroad304_00894	454	BC074752	3758	KCNJ1	no errors	hORFeome V8.1 Collection	3758	KCNJ1	NM_000220.2	Full Length 100% match
ccsbBroadEn_00895	ccsbBroad304_00895		BC131627	3766	KCNJ10	no errors	hORFeome V8.1 Collection	3766	KCNJ10	NM_002241.4	Full Length 100% match
ccsbBroadEn_00896	ccsbBroad304_00896		BC027982	3768	KCNJ12	no errors	hORFeome V8.1 Collection	3768	KCNJ12	NM_021012.4	Full Length 100% match
ccsbBroadEn_00897	ccsbBroad304_00897	454	BC035918	3770	KCNJ14	no errors	hORFeome V8.1 Collection	3770	KCNJ14	NM_013348.2; NM_170720.1	Full Length 100% match
ccsbBroadEn_00898	ccsbBroad304_00898		BC013327	3772	KCNJ15	no errors	hORFeome V8.1 Collection	3772	KCNJ15	NM_002243.3; NM_170736.1; NM_170737.1	Full Length 100% match
ccsbBroadEn_00899	ccsbBroad304_00899	454	BC069462,BC101693	3776	KCNK2	no errors	hORFeome V8.1 Collection	3776	KCNK2	NM_014217.3	Full Length 100% match
ccsbBroadEn_00900	ccsbBroad304_00900	454	BC075037	3780	KCNN1	no errors	hORFeome V8.1 Collection	3780	KCNN1	NM_002248.3	Full Length 100% match
ccsbBroadEn_00901	ccsbBroad304_00901		BC015371	3781	KCNN2	no errors	hORFeome V8.1 Collection	3781	KCNN2	NM_170775.1	Full Length 100% match
ccsbBroadEn_00902	ccsbBroad304_00902		BC015337	3783	KCNN4	no errors	hORFeome V8.1 Collection	3783	KCNN4	NM_002250.2	Full Length 100% match
ccsbBroadEn_00903	ccsbBroad304_00903		BC113545	3784	KCNQ1	no errors	hORFeome V8.1 Collection	3784	KCNQ1	NM_181798.1	Full Length 100% match
ccsbBroadEn_00904	ccsbBroad304_00904		BC000699	3785	KCNQ2	no errors	hORFeome V8.1 Collection	3785	KCNQ2	NM_172109.1	Full Length 100% match
ccsbBroadEn_00905	ccsbBroad304_00905		BC027932,BC034778	3788	KCNS2	no errors	hORFeome V8.1 Collection	3788	KCNS2	NM_020697.2	Full Length 100% match
ccsbBroadEn_00906	ccsbBroad304_00906		BC003135,BC050639	3792	KEL	no errors	hORFeome V8.1 Collection	3792	KEL	NM_000420.2	Full Length 100% match
ccsbBroadEn_00907	ccsbBroad304_00907		BC107951	3812	KIR3DL2	no errors	hORFeome V8.1 Collection	3812	KIR3DL2	NM_006737.2	Full Length 100% match
ccsbBroadEn_00908	ccsbBroad304_00908		BC098288	3813	KIR3DS1	no errors	hORFeome V8.1 Collection	3813	KIR3DS1	NM_001083539.1	Full Length 100% match
ccsbBroadEn_00909	ccsbBroad304_00909		BC114516	3820	KLRB1	no errors	hORFeome V8.1 Collection	3820	KLRB1	NM_002258.2	Full Length 100% match
ccsbBroadEn_00910	ccsbBroad304_00910		BC053840	3821	KLRC1	no errors	hORFeome V8.1 Collection	3821	KLRC1	NM_002259.4; NM_213658.2	Full Length 100% match
ccsbBroadEn_00911	ccsbBroad304_00911		BC028009	3824	KLRD1	no errors	hORFeome V8.1 Collection	3824	KLRD1	NM_001114396.1; NM_002262.3	Full Length 100% match
ccsbBroadEn_00912	ccsbBroad304_00912		BC008881	3831	KLC1	no errors	hORFeome V8.1 Collection	3831	KLC1	NM_005552.4	Full Length 100% match
ccsbBroadEn_00913	ccsbBroad304_00913		BC004352,BC028155	3835	KIF22	no errors	hORFeome V8.1 Collection	3835	KIF22	NM_007317.1	Full Length 100% match
ccsbBroadEn_00914	ccsbBroad304_00914		BC047409	3841	KPNA5	no errors	hORFeome V8.1 Collection	3841	KPNA5	NM_002269.2	Full Length 100% match
ccsbBroadEn_00915	ccsbBroad304_00915		BC069531	3846	KRTAP5-9	no errors	hORFeome V8.1 Collection	3846	KRTAP5-9	NM_005553.3	Full Length 100% match
ccsbBroadEn_00916	ccsbBroad304_00916		BC096294	3849	KRT2	no errors	hORFeome V8.1 Collection	3849	KRT2	NM_000423.2	Full Length 100% match
ccsbBroadEn_00917	ccsbBroad304_00917		BC008807	3853	KRT6A	no errors	hORFeome V8.1 Collection	3853	KRT6A	NM_005554.3	Full Length 100% match
ccsbBroadEn_00918	ccsbBroad304_00918		BC034535	3854	KRT6B	no errors	hORFeome V8.1 Collection	3854	KRT6B	NM_005555.3	Full Length 100% match
ccsbBroadEn_00919	ccsbBroad304_00919		BC002641	3866	KRT15	no errors	hORFeome V8.1 Collection	3866	KRT15	NM_002275.3	Full Length 100% match
ccsbBroadEn_00920	ccsbBroad304_00920		BC114468	3881	KRT31	no errors	hORFeome V8.1 Collection	3881	KRT31	NM_002277.2	Full Length 100% match
ccsbBroadEn_00921	ccsbBroad304_00921		BC009971	3884	KRT33B	no errors	hORFeome V8.1 Collection	3884	KRT33B	NM_002279.3	Full Length 100% match
ccsbBroadEn_00922	ccsbBroad304_00922		BC069585	3892	KRT86	no errors	hORFeome V8.1 Collection	3892	KRT86	NM_002284.3	Full Length 100% match
ccsbBroadEn_00923	ccsbBroad304_00923		BC027899	3903	LAIR1	no errors	hORFeome V8.1 Collection	3903	LAIR1	NM_002287.3	Full Length 100% match
ccsbBroadEn_00924	ccsbBroad304_00924		BC069366	3904	LAIR2	no errors	hORFeome V8.1 Collection	3904	LAIR2	NM_002288.3	Full Length 100% match
ccsbBroadEn_00925	ccsbBroad304_00925		BC112316,BC112318	3906	LALBA	no errors	hORFeome V8.1 Collection	3906	LALBA	NM_002289.2	Full Length 100% match
ccsbBroadEn_00926	ccsbBroad304_00926		BC004241	3910	LAMA4	no errors	hORFeome V8.1 Collection	3910	LAMA4	NM_001105208.1; NM_001105209.1	Full Length 100% match
ccsbBroadEn_00927	ccsbBroad304_00927		BC021288	3916	LAMP1	no errors	hORFeome V8.1 Collection	3916	LAMP1	NM_005561.3	Full Length 100% match
ccsbBroadEn_00928	ccsbBroad304_00928		BC005391,BC010418	3921	RPSA	no errors	hORFeome V8.1 Collection	3921	RPSA	NM_001012321.1; NM_002295.4	Full Length 100% match
ccsbBroadEn_00929	ccsbBroad304_00929		BC020079	3930	LBR	no errors	hORFeome V8.1 Collection	3930	LBR	NM_002296.2; NM_194442.1	Full Length 100% match
ccsbBroadEn_00930	ccsbBroad304_00930	454	BC065721	3933	LCN1	no errors	hORFeome V8.1 Collection	3933	LCN1	NM_002297.2	Full Length 100% match
ccsbBroadEn_00931	ccsbBroad304_00931	454	BC033089	3934	LCN2	no errors	hORFeome V8.1 Collection	3934	LCN2	NM_005564.3	Full Length 100% match
ccsbBroadEn_00932	ccsbBroad304_00932		BC016618	3937	LCP2	no errors	hORFeome V8.1 Collection	3937	LCP2	NM_005565.3	Full Length 100% match
ccsbBroadEn_00933	ccsbBroad304_00933		BC002362,BC015122	3945	LDHB	no errors	hORFeome V8.1 Collection	3945	LDHB	NM_001174097.1; NM_002300.6	Full Length 100% match
ccsbBroadEn_00934	ccsbBroad304_00934		BC064388	3948	LDHC	no errors	hORFeome V8.1 Collection	3948	LDHC	NM_002301.4; NM_017448.3	Full Length 100% match
ccsbBroadEn_00935	ccsbBroad304_00935		BC014851	3955	LFNG	no errors	hORFeome V8.1 Collection	3955	LFNG	NM_002304.2	Full Length 100% match
ccsbBroadEn_00936	ccsbBroad304_00936		BC001693,BC020675	3956	LGALS1	no errors	hORFeome V8.1 Collection	3956	LGALS1	NM_002305.3	Full Length 100% match
ccsbBroadEn_00937	ccsbBroad304_00937		BC059782	3957	LGALS2	no errors	hORFeome V8.1 Collection	3957	LGALS2	NM_006498.2	Full Length 100% match
ccsbBroadEn_00938	ccsbBroad304_00938		BC002403	3959	LGALS3BP	no errors	hORFeome V8.1 Collection	3959	LGALS3BP	NM_005567.3	Full Length 100% match
ccsbBroadEn_00939	ccsbBroad304_00939	454	BC003661,BC034750	3960	LGALS4	no errors	hORFeome V8.1 Collection	3960	LGALS4	NM_006149.3	Full Length 100% match



ccsbBroadEn_00940	ccsbBroad304_00940		BC105942	3965	LGALS9	no errors	hORFeome V8.1 Collection	3965	LGALS9	NM_002308.3	Full Length 100% match
ccsbBroadEn_00941	ccsbBroad304_00941		BC068005	3980	LIG3	no errors	hORFeome V8.1 Collection	3980	LIG3	NM_013975.3	Full Length 100% match
ccsbBroadEn_00942	ccsbBroad304_00942		BC037491	3981	LIG4	no errors	hORFeome V8.1 Collection	3981	LIG4	NM_206937.1; NM_002312.3; NM_001098268.1	Full Length 100% match
ccsbBroadEn_00943	ccsbBroad304_00943		BC126139	3982	LIM2	no errors	hORFeome V8.1 Collection	3982	LIM2	NM_030657.3	Full Length 100% match
ccsbBroadEn_00944	ccsbBroad304_00944		BC013051	3985	LIMK2	no errors	hORFeome V8.1 Collection	3985	LIMK2	NM_001031801.1	Full Length 100% match
ccsbBroadEn_00945	ccsbBroad304_00945		BC000511,BC003162	4000	LMNA	no errors	hORFeome V8.1 Collection	4000	LMNA	NM_005572.3	Full Length 100% match
ccsbBroadEn_00946	ccsbBroad304_00946		BC014507	4000	LMNA	no errors	hORFeome V8.1 Collection	4000	LMNA	NM_170707.2	Full Length 100% match
ccsbBroadEn_00947	ccsbBroad304_00947		BC001234	4013	VWA5A	no errors	hORFeome V8.1 Collection	4013	VWA5A	NM_198315.2	Full Length 100% match
ccsbBroadEn_00948	ccsbBroad304_00948	454	BC074872	4015	LOX	no errors	hORFeome V8.1 Collection	4015	LOX	NM_002317.5	Full Length 100% match
ccsbBroadEn_00949	ccsbBroad304_00949	454	BC105074	4043	LRPAP1	no errors	hORFeome V8.1 Collection	4043	LRPAP1	NM_002337.2	Full Length 100% match
ccsbBroadEn_00950	ccsbBroad304_00950		BC050450	4059	BCAM	no errors	hORFeome V8.1 Collection	4059	BCAM	NM_005581.3	Full Length 100% match
ccsbBroadEn_00951	ccsbBroad304_00951		BC007038	4060	LUM	no errors	hORFeome V8.1 Collection	4060	LUM	NM_002345.3	Full Length 100% match
ccsbBroadEn_00952	ccsbBroad304_00952		BC119708	4061	LY6E	no errors	hORFeome V8.1 Collection	4061	LY6E	NM_002346.2; NM_001127213.1	Full Length 100% match
ccsbBroadEn_00953	ccsbBroad304_00953		BC064485	4063	LY9	no errors	hORFeome V8.1 Collection	4063	LY9	NM_001033667.1	Full Length 100% match
ccsbBroadEn_00954	ccsbBroad304_00954		BC126456	4067	LYN	no errors	hORFeome V8.1 Collection	4067	LYN	NM_002350.2	Full Length 100% match
ccsbBroadEn_00955	ccsbBroad304_00955		BC020732	4068	SH2D1A	no errors	hORFeome V8.1 Collection	4068	SH2D1A	NM_002351.4	Full Length 100% match
ccsbBroadEn_00956	ccsbBroad304_00956		BC004147	4069	LYZ	no errors	hORFeome V8.1 Collection	4069	LYZ	NM_000239.2	Full Length 100% match
ccsbBroadEn_00957	ccsbBroad304_00957		BC024206	4074	M6PR	no errors	hORFeome V8.1 Collection	4074	M6PR	NM_002355.2	Full Length 100% match
ccsbBroadEn_00958	ccsbBroad304_00958		BC028170	4081	MAB21L1	no errors	hORFeome V8.1 Collection	4081	MAB21L1	NM_005584.4	Full Length 100% match
ccsbBroadEn_00959	ccsbBroad304_00959		BC000356,BC005945	4085	MAD2L1	no errors	hORFeome V8.1 Collection	4085	MAD2L1	NM_002358.3	Full Length 100% match
ccsbBroadEn_00960	ccsbBroad304_00960		BC001878	4086	SMAD1	no errors	hORFeome V8.1 Collection	4086	SMAD1	NM_005900.2; NM_001003688.1	Full Length 100% match
ccsbBroadEn_00961	ccsbBroad304_00961		BC014840,BC025699	4087	SMAD2	no errors	hORFeome V8.1 Collection	4087	SMAD2	NM_001003652.2; NM_005901.4	Full Length 100% match
ccsbBroadEn_00962	ccsbBroad304_00962		BC002379	4089	SMAD4	no errors	hORFeome V8.1 Collection	4089	SMAD4	NM_005359.5	Full Length 100% match
ccsbBroadEn_00963	ccsbBroad304_00963		BC009682	4090	SMAD5	no errors	hORFeome V8.1 Collection	4090	SMAD5	NM_005903.5; NM_001001419.1;	Full Length 100% match
ccsbBroadEn_00964	ccsbBroad304_00964	454	BC074818	4092	SMAD7	no errors	hORFeome V8.1 Collection	4092	SMAD7	NM_001001420.1	Full Length 100% match
ccsbBroadEn_00965	ccsbBroad304_00965		BC011559	4093	SMAD9	no errors	hORFeome V8.1 Collection	4093	SMAD9	NM_005904.3	Full Length 100% match
ccsbBroadEn_00966	ccsbBroad304_00966		BC012327	4097	MAFG	no errors	hORFeome V8.1 Collection	4097	MAFG	NM_005905.5	Full Length 100% match
ccsbBroadEn_00967	ccsbBroad304_00967		BC109187	4104	MAGEA5	no errors	hORFeome V8.1 Collection	4104	MAGEA5	NM_002359.2; NM_032711.2	Full Length 100% match
ccsbBroadEn_00968	ccsbBroad304_00968		BC002351	4108	MAGEA9	no errors	hORFeome V8.1 Collection	4108; 728269	MAGEA9; MAGEA9B	NM_021049.3	Full Length 100% match
ccsbBroadEn_00969	ccsbBroad304_00969		BC004105	4109	MAGEA10	no errors	hORFeome V8.1 Collection	4109	MAGEA10	NM_005365.4; NM_001080790.1	Full Length 100% match
ccsbBroadEn_00970	ccsbBroad304_00970		BC018211	4116	MAGOH	no errors	hORFeome V8.1 Collection	4116	MAGOH	NM_021048.3; NM_001011543.1	Full Length 100% match
ccsbBroadEn_00971	ccsbBroad304_00971		BC000458	4118	MAL	no errors	hORFeome V8.1 Collection	4118	MAL	NM_002370.2	Full Length 100% match
ccsbBroadEn_00972	ccsbBroad304_00972		BC050550	4123	MAN2C1	no errors	hORFeome V8.1 Collection	4123	MAN2C1	NM_002371.2	Full Length 100% match
ccsbBroadEn_00973	ccsbBroad304_00973		BC114948	4137	MAPT	no errors	hORFeome V8.1 Collection	4137	MAPT	NM_006715.2	Full Length 100% match
ccsbBroadEn_00974	ccsbBroad304_00974		BC069581	4142	MAS1	no errors	hORFeome V8.1 Collection	4142	MAS1	NM_016834.4	Full Length 100% match
ccsbBroadEn_00975	ccsbBroad304_00975		BC001686	4144	MAT2A	no errors	hORFeome V8.1 Collection	4144	MAT2A	NM_002377.2	Full Length 100% match
ccsbBroadEn_00976	ccsbBroad304_00976		BC139907	4148	MATN3	no errors	hORFeome V8.1 Collection	4148	MATN3	NM_005911.4	Full Length 100% match
ccsbBroadEn_00977	ccsbBroad304_00977		BC013669	4149	MAX	no errors	hORFeome V8.1 Collection	4149	MAX	NM_002381.4	Full Length 100% match
ccsbBroadEn_00978	ccsbBroad304_00978		BC004516	4149	MAX	no errors	hORFeome V8.1 Collection	4149	MAX	NM_145114.1	Full Length 100% match
ccsbBroadEn_00979	ccsbBroad304_00979		BC096179	4153	MBL2	no errors	hORFeome V8.1 Collection	4153	MBL2	NM_002382.3	Full Length 100% match
ccsbBroadEn_00980	ccsbBroad304_00980		BC043493	4154	MBNL1	no errors	hORFeome V8.1 Collection	4154	MBNL1	NM_000242.2	Full Length 100% match
ccsbBroadEn_00981	ccsbBroad304_00981		BC065248	4155	MBP	no errors	hORFeome V8.1 Collection	4155	MBP	NM_021038.3	Full Length 100% match
ccsbBroadEn_00982	ccsbBroad304_00982		BC104169	4158	MC2R	no errors	hORFeome V8.1 Collection	4158	MC2R	NM_001025100.1	Full Length 100% match
ccsbBroadEn_00983	ccsbBroad304_00983		BC098351	4159	MC3R	no errors	hORFeome V8.1 Collection	4159	MC3R	NM_000529.2	Full Length 100% match
ccsbBroadEn_00984	ccsbBroad304_00984	454	BC074834	4166	CHST6	no errors	hORFeome V8.1 Collection	4166	CHST6	NM_019888.3	Full Length 100% match
ccsbBroadEn_00985	ccsbBroad304_00985		BC017197	4170	MCL1	no errors	hORFeome V8.1 Collection	4170	MCL1	NM_021615.4	Full Length 100% match
ccsbBroadEn_00986	ccsbBroad304_00986		BC007938,BC017490	4171	MCM2	no errors	hORFeome V8.1 Collection	4171	MCM2	NM_021960.4	Full Length 100% match
ccsbBroadEn_00987	ccsbBroad304_00987		BC001626	4172	MCM3	no errors	hORFeome V8.1 Collection	4172	MCM3	NM_004526.2	Full Length 100% match
ccsbBroadEn_00988	ccsbBroad304_00988		BC014593,BC016744	4184	SMCP	no errors	hORFeome V8.1 Collection	4184	SMCP	NM_002388.3	Full Length 100% match
ccsbBroadEn_00989	ccsbBroad304_00989		BC007836	4188	MDF1	no errors	hORFeome V8.1 Collection	4188	MDF1	NM_030663.2	Full Length 100% match
ccsbBroadEn_00990	ccsbBroad304_00990		BC028912	4189	DNAJB9	no errors	hORFeome V8.1 Collection	4189	DNAJB9	NM_005586.3	Full Length 100% match
ccsbBroadEn_00991	ccsbBroad304_00991		BC001484	4190	MDH1	no errors	hORFeome V8.1 Collection	4190	MDH1	NM_012328.2	Full Length 100% match
ccsbBroadEn_00992	ccsbBroad304_00992		BC011704	4192	MDK	no errors	hORFeome V8.1 Collection	4192	MDK	NM_005917.3	Full Length 100% match
ccsbBroadEn_00993	ccsbBroad304_00993		BC067299	4194	MDM4	no errors	hORFeome V8.1 Collection	4194	MDM4	NM_002391.3; NM_001012334.1;	Full Length 100% match
ccsbBroadEn_00994	ccsbBroad304_00994		BC001754	4201	MEA1	no errors	hORFeome V8.1 Collection	4201	MEA1	NM_001012333.1	Full Length 100% match
ccsbBroadEn_00995	ccsbBroad304_00995		BC011612	4204	MECP2	no errors	hORFeome V8.1 Collection	4204	MECP2	NM_002393.3	Full Length 100% match
ccsbBroadEn_00996	ccsbBroad304_00996		BC126245,CCSB53257	4207	LOC729991-MEF2B	no errors	hORFeome V8.1 Collection	4207	LOC729991-MEF2B	NM_014623.2	Full Length 100% match
ccsbBroadEn_00997	ccsbBroad304_00997		BC054520	4209	MEF2D	no errors	hORFeome V8.1 Collection	4209	MEF2D	NM_004992.3	Full Length 100% match
ccsbBroadEn_00998	ccsbBroad304_00998		BC050431	4212	MEIS2	no errors	hORFeome V8.1 Collection	4212	MEIS2	NM_005919.3	Full Length 100% match
ccsbBroadEn_00999	ccsbBroad304_00999		BC001516	4212	MEIS2	no errors	hORFeome V8.1 Collection	4212	MEIS2	NM_005920.2	Full Length 100% match
ccsbBroadEn_01000	ccsbBroad304_01000		BC069474,BC069506	4222	MEOX1	no errors	hORFeome V8.1 Collection	4222	MEOX1	NM_170676.2	Full Length 100% match
ccsbBroadEn_01001	ccsbBroad304_01001		BC002413,BC011908	4232	MEST	no errors	hORFeome V8.1 Collection	4232	MEST	NM_002399.2	Full Length 100% match
ccsbBroadEn_01002	ccsbBroad304_01002		BC000550	4234	METTL1	no errors	hORFeome V8.1 Collection	4234	METTL1	NM_004527.3	Full Length 100% match
ccsbBroadEn_01003	ccsbBroad304_01003		BC023557,BC050742	4236	MFAP1	no errors	hORFeome V8.1 Collection	4236	MFAP1	NM_002402.2	Full Length 100% match
ccsbBroadEn_01004	ccsbBroad304_01004		BC001875,BC007550	4241	MF12	no errors	hORFeome V8.1 Collection	4241	MF12	NM_005371.5	Full Length 100% match
ccsbBroadEn_01005	ccsbBroad304_01005		BC062218	4246	SCGB2A1	no errors	hORFeome V8.1 Collection	4246	SCGB2A1	NM_005926.2	Full Length 100% match
ccsbBroadEn_01006	ccsbBroad304_01006		BC113383,BC113718	4248	MGAT3	no errors	hORFeome V8.1 Collection	4248	MGAT3	NM_033316.3	Full Length 100% match
ccsbBroadEn_01007	ccsbBroad304_01007		BC128252	4250	SCGB2A2	no errors	hORFeome V8.1 Collection	4250	SCGB2A2	NM_002407.2	Full Length 100% match
ccsbBroadEn_01008	ccsbBroad304_01008		BC069783	4254	KITLG	no errors	hORFeome V8.1 Collection	4254	KITLG	NM_002409.4; NM_001098270.1	Full Length 100% match
ccsbBroadEn_01009	ccsbBroad304_01009		BC005923	4257	MGST1	no errors	hORFeome V8.1 Collection	4257	MGST1	NM_002411.2	Full Length 100% match
ccsbBroadEn_01010	ccsbBroad304_01010		BC025416	4258	MGST2	no errors	hORFeome V8.1 Collection	4258	MGST2	NM_000899.4	Full Length 100% match
ccsbBroadEn_01011	ccsbBroad304_01011		BC000505	4259	MGST3	no errors	hORFeome V8.1 Collection	4259	MGST3	NM_020300.3; NM_145764.1; NM_145791.1;	Full Length 100% match
ccsbBroadEn_01012	ccsbBroad304_01012		BC053626	4281	MID1	no errors	hORFeome V8.1 Collection	4281	MID1	NM_145792.1	Full Length 100% match
ccsbBroadEn_01013	ccsbBroad304_01013		BC000447,BC013976	4282	MIF	no errors	hORFeome V8.1 Collection	4282	MIF	NM_002413.3	Full Length 100% match



ccsbBroadEn_01014	ccsbBroad304_01014		BC063122	4283	CXCL9	no errors	hORFeome V8.1 Collection	4283	CXCL9	NM_002416.1	Full Length 100% match
ccsbBroadEn_01015	ccsbBroad304_01015		BC117474	4284	MIP	no errors	hORFeome V8.1 Collection	4284	MIP	NM_012064.3	Full Length 100% match
ccsbBroadEn_01016	ccsbBroad304_01016		BC009934	4285	MIPEP	no errors	hORFeome V8.1 Collection	4285	MIPEP	NM_005932.3	Full Length 100% match
ccsbBroadEn_01017	ccsbBroad304_01017		BC026961	4286	MITF	no errors	hORFeome V8.1 Collection	4286	MITF	NM_198158.2	Full Length 100% match
ccsbBroadEn_01018	ccsbBroad304_01018		BC007045	4291	MLF1	no errors	hORFeome V8.1 Collection	4291	MLF1	NM_022443.4	Full Length 100% match
ccsbBroadEn_01019	ccsbBroad304_01019		BC006850	4292	MLH1	no errors	hORFeome V8.1 Collection	4292	MLH1	NM_000249.3	Full Length 100% match
ccsbBroadEn_01020	ccsbBroad304_01020	454	BC101658	4311	MME	no errors	hORFeome V8.1 Collection	4311	MME	NM_000902.3; NM_007287.2; NM_007288.2; NM_007289.2	Full Length 100% match
ccsbBroadEn_01021	ccsbBroad304_01021		BC002591	4319	MMP10	no errors	hORFeome V8.1 Collection	4319	MMP10	NM_002425.2	Full Length 100% match
ccsbBroadEn_01022	ccsbBroad304_01022		BC112301	4321	MMP12	no errors	hORFeome V8.1 Collection	4321	MMP12	NM_002426.4	Full Length 100% match
ccsbBroadEn_01023	ccsbBroad304_01023		BC067522	4322	MMP13	no errors	hORFeome V8.1 Collection	4322	MMP13	NM_002427.3	Full Length 100% match
ccsbBroadEn_01024	ccsbBroad304_01024		BC050368	4327	MMP19	no errors	hORFeome V8.1 Collection	4327	MMP19	NM_002429.4	Full Length 100% match
ccsbBroadEn_01025	ccsbBroad304_01025		BC004909,BC032371	4329	ALDH6A1	no errors	hORFeome V8.1 Collection	4329	ALDH6A1	NM_005589.2	Full Length 100% match
ccsbBroadEn_01026	ccsbBroad304_01026		BC000820	4331	MNAT1	no errors	hORFeome V8.1 Collection	4331	MNAT1	NM_002431.3	Full Length 100% match
ccsbBroadEn_01027	ccsbBroad304_01027		BC022471	4336	MOBP	no errors	hORFeome V8.1 Collection	4336	MOBP	NM_182935.2	Full Length 100% match
ccsbBroadEn_01028	ccsbBroad304_01028		BC046097	4338	MOCS2	no errors	hORFeome V8.1 Collection	4338	MOCS2	NM_004531.3	Full Length 100% match
ccsbBroadEn_01029	ccsbBroad304_01029		BC069569	4342	MOS	no errors	hORFeome V8.1 Collection	4342	MOS	NM_005372.1	Full Length 100% match
ccsbBroadEn_01030	Failed LR reaction		BC002548,BC009312	4343	MOV10	no errors	hORFeome V8.1 Collection	4343	MOV10	NM_020963.3; NM_001130079.1	Full Length 100% match
ccsbBroadEn_01031	ccsbBroad304_01031		BC014991	4350	MPG	no errors	hORFeome V8.1 Collection	4350	MPG	NM_001015052.1	Full Length 100% match
ccsbBroadEn_01032	ccsbBroad304_01032		BC002392	4354	MPP1	no errors	hORFeome V8.1 Collection	4354	MPP1	NM_002436.3	Full Length 100% match
ccsbBroadEn_01033	ccsbBroad304_01033		BC001115	4358	MPV17	no errors	hORFeome V8.1 Collection	4358	MPV17	NM_002437.4	Full Length 100% match
ccsbBroadEn_01034	ccsbBroad304_01034		BC021566	4436	MSH2	no errors	hORFeome V8.1 Collection	4436	MSH2	NM_000251.1	Full Length 100% match
ccsbBroadEn_01035	ccsbBroad304_01035		BC001358,BC002498	4439	MSH5	no errors	hORFeome V8.1 Collection	4439	MSH5	NM_172165.3	Full Length 100% match
ccsbBroadEn_01036	ccsbBroad304_01036		BC041031	4439	MSH5	no errors	hORFeome V8.1 Collection	4439	MSH5	NM_025259.5	Full Length 100% match
ccsbBroadEn_01037	ccsbBroad304_01037		BC005257	4477	MSMB	no errors	hORFeome V8.1 Collection	4477	MSMB	NM_002443.2	Full Length 100% match
ccsbBroadEn_01038	ccsbBroad304_01038		BC054033	4482	MSRA	no errors	hORFeome V8.1 Collection	4482	MSRA	NM_012331.3	Full Length 100% match
ccsbBroadEn_01039	ccsbBroad304_01039		BC069421	4490	MT1B	no errors	hORFeome V8.1 Collection	4490	MT1B	NM_005947.2	Full Length 100% match
ccsbBroadEn_01040	ccsbBroad304_01040		BC009699	4493	MT1E	no errors	hORFeome V8.1 Collection	4493	MT1E	NM_175617.3	Full Length 100% match
ccsbBroadEn_01041	ccsbBroad304_01041		BC029453	4494	MT1F	no errors	hORFeome V8.1 Collection	4494	MT1F	NM_005949.3	Full Length 100% match
ccsbBroadEn_01042	ccsbBroad304_01042		BC028280	4499	MT1M	no errors	hORFeome V8.1 Collection	4499	MT1M	NM_176870.2	Full Length 100% match
ccsbBroadEn_01043	ccsbBroad304_01043		BC032338	4501	MT1X	no errors	hORFeome V8.1 Collection	4501	MT1X	NM_005952.3	Full Length 100% match
ccsbBroadEn_01044	ccsbBroad304_01044		BC018190	4501	MT1X	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4501	MT1X	NM_005952.3	Full Length 100% match
ccsbBroadEn_01045	ccsbBroad304_01045		BC007034	4502	MT2A	no errors	hORFeome V8.1 Collection	4502	MT2A	NM_005953.3	Full Length 100% match
ccsbBroadEn_01046	ccsbBroad304_01046		BC014618	4521	NUDT1	no errors	hORFeome V8.1 Collection	4521	NUDT1	NM_198949.1; NM_198952.1; NM_198954.1	Full Length 100% match
ccsbBroadEn_01047	ccsbBroad304_01047		BC051375	4521	NUDT1	no errors	hORFeome V8.1 Collection	4521	NUDT1	NM_002452.3; NM_198948.1; NM_198950.1; NM_198953.1	Full Length 100% match
ccsbBroadEn_01048	ccsbBroad304_01048		BC028071	4542	MYO1F	no errors	hORFeome V8.1 Collection	4542	MYO1F	NM_012335.3	Full Length 100% match
ccsbBroadEn_01049	Failed LR reaction		BC126297,BC126299	4543	MTNR1A	no errors	hORFeome V8.1 Collection	4543	MTNR1A	NM_005958.3	Full Length 100% match
ccsbBroadEn_01050	ccsbBroad304_01050		BC120975	4582	MUC1	no errors	hORFeome V8.1 Collection	4582	MUC1	NM_001018016.1	Full Length 100% match
ccsbBroadEn_01051	ccsbBroad304_01051		BC016140	4598	MVK	no errors	hORFeome V8.1 Collection	4598	MVK	NM_000431.2; NM_001114185.1	Full Length 100% match
ccsbBroadEn_01052	ccsbBroad304_01052	454	BC064955	4602	MYB	no errors	hORFeome V8.1 Collection	4602	MYB	NM_005375.2	Full Length 100% match
ccsbBroadEn_01053	ccsbBroad304_01053		BC101188	4603	MYBL1	no errors	hORFeome V8.1 Collection	4603	MYBL1	NM_001144755.1	Full Length 100% match
ccsbBroadEn_01054	ccsbBroad304_01054		BC113466,BC117469	4616	GADD45B	no errors	hORFeome V8.1 Collection	4616	GADD45B	NM_015675.3	Full Length 100% match
ccsbBroadEn_01055	ccsbBroad304_01055		BC017834	4618	MYF6	no errors	hORFeome V8.1 Collection	4618	MYF6	NM_002469.2	Full Length 100% match
ccsbBroadEn_01056	ccsbBroad304_01056		BC015821,BC031008	4633	MYL2	no errors	hORFeome V8.1 Collection	4633	MYL2	NM_000432.3	Full Length 100% match
ccsbBroadEn_01057	ccsbBroad304_01057		BC071661	4637	MYL6	no errors	hORFeome V8.1 Collection	4637	MYL6	NM_079423.3	Full Length 100% match
ccsbBroadEn_01058	ccsbBroad304_01058	454	BC146764	4646	MYO6	no errors	hORFeome V8.1 Collection	4646	MYO6	NM_004999.3	Full Length 100% match
ccsbBroadEn_01059	ccsbBroad304_01059	454	BC064493	4654	MYOD1	no errors	hORFeome V8.1 Collection	4654	MYOD1	NM_002478.4	Full Length 100% match
ccsbBroadEn_01060	ccsbBroad304_01060		BC053899	4656	MYOG	no errors	hORFeome V8.1 Collection	4656	MYOG	NM_002479.4	Full Length 100% match
ccsbBroadEn_01061	ccsbBroad304_01061		BC065931	4665	NAB2	no errors	hORFeome V8.1 Collection	4665	NAB2	NM_005967.3	Full Length 100% match
ccsbBroadEn_01062	ccsbBroad304_01062		BC006403	4690	NCK1	no errors	hORFeome V8.1 Collection	4690	NCK1	NM_006153.4	Full Length 100% match
ccsbBroadEn_01063	ccsbBroad304_01063		BC029901	4693	NDP	no errors	hORFeome V8.1 Collection	4693	NDP	NM_000266.3	Full Length 100% match
ccsbBroadEn_01064	ccsbBroad304_01064		BC000266	4694	NDUFA1	no errors	hORFeome V8.1 Collection	4694	NDUFA1	NM_004541.3	Full Length 100% match
ccsbBroadEn_01065	ccsbBroad304_01065		BC061644	4696	NDUFA3	no errors	hORFeome V8.1 Collection	4696	NDUFA3	NM_004542.3	Full Length 100% match
ccsbBroadEn_01066	ccsbBroad304_01066	454	BC101794	4697	NDUFA4	no errors	hORFeome V8.1 Collection	4697	NDUFA4	NM_002489.3	Full Length 100% match
ccsbBroadEn_01067	ccsbBroad304_01067		BC003102	4701	NDUFA7	no errors	hORFeome V8.1 Collection	4701	NDUFA7	NM_005001.2	Full Length 100% match
ccsbBroadEn_01068	ccsbBroad304_01068		BC009311	4704	NDUFA9	no errors	hORFeome V8.1 Collection	4704	NDUFA9	NM_005002.4	Full Length 100% match
ccsbBroadEn_01069	ccsbBroad304_01069		BC126232,BC126234	4707	NDUFB1	no errors	hORFeome V8.1 Collection	4707	NDUFB1	NM_004545.3	Full Length 100% match
ccsbBroadEn_01070	ccsbBroad304_01070		BC018183	4709	NDUFB3	no errors	hORFeome V8.1 Collection	4709	NDUFB3	NM_002491.2	Full Length 100% match
ccsbBroadEn_01071	ccsbBroad304_01071		BC009796	4711	NDUFB5	no errors	hORFeome V8.1 Collection	4711	NDUFB5	NM_002492.2	Full Length 100% match
ccsbBroadEn_01072	ccsbBroad304_01072		BC009801,BC029247	4712	NDUFB6	no errors	hORFeome V8.1 Collection	4712	NDUFB6	NM_002493.3	Full Length 100% match
ccsbBroadEn_01073	ccsbBroad304_01073		BC000466	4714	NDUFB8	no errors	hORFeome V8.1 Collection	4714	NDUFB8	NM_005004.2	Full Length 100% match
ccsbBroadEn_01074	ccsbBroad304_01074		BC000617	4722	NDUFS3	no errors	hORFeome V8.1 Collection	4722	NDUFS3	NM_004551.2	Full Length 100% match
ccsbBroadEn_01075	ccsbBroad304_01075		BC015645	4723	NDUFV1	no errors	hORFeome V8.1 Collection	4723	NDUFV1	NM_007103.3	Full Length 100% match
ccsbBroadEn_01076	Failed LR reaction		BC001884	4725	NDUFS5	no errors	hORFeome V8.1 Collection	4725	NDUFS5	NM_004552.2; NM_001184979.1	Full Length 100% match
ccsbBroadEn_01077	ccsbBroad304_01077		BC046155	4726	NDUFS6	no errors	hORFeome V8.1 Collection	4726	NDUFS6	NM_004553.4	Full Length 100% match
ccsbBroadEn_01078	ccsbBroad304_01078		BC001632,BC017487	4729	NDUFV2	no errors	hORFeome V8.1 Collection	4729	NDUFV2	NM_021074.4	Full Length 100% match
ccsbBroadEn_01079	ccsbBroad304_01079		BC033766	4731	NDUFV3	no errors	hORFeome V8.1 Collection	4731	NDUFV3	NM_001001503.1	Full Length 100% match
ccsbBroadEn_01080	ccsbBroad304_01080		BC019285	4733	DRG1	no errors	hORFeome V8.1 Collection	4733	DRG1	NM_004147.3	Full Length 100% match
ccsbBroadEn_01081	ccsbBroad304_01081		BC006791,BC011366	4736	RPL10A	no errors	hORFeome V8.1 Collection	4736	RPL10A	NM_007104.4	Full Length 100% match
ccsbBroadEn_01082	ccsbBroad304_01082		BC104201	4738	NEDD8	no errors	hORFeome V8.1 Collection	4738	NEDD8	NM_006156.2	Full Length 100% match
ccsbBroadEn_01083	ccsbBroad304_01083		BC020544	4753	NELL2	no errors	hORFeome V8.1 Collection	4753	NELL2	NM_006159.2; NM_001145108.1	Full Length 100% match
ccsbBroadEn_01084	ccsbBroad304_01084		BC000722,BC011900	4758	NEU1	no errors	hORFeome V8.1 Collection	4758	NEU1	NM_000434.3	Full Length 100% match
ccsbBroadEn_01085	ccsbBroad304_01085		BC009046	4760	NEUROD1	no errors	hORFeome V8.1 Collection	4760	NEUROD1	NM_002500.2	Full Length 100% match
ccsbBroadEn_01086	ccsbBroad304_01086		BC008687,BC028226	4762	NEUROG1	no errors	hORFeome V8.1 Collection	4762	NEUROG1	NM_006161.2	Full Length 100% match
ccsbBroadEn_01087	ccsbBroad304_01087		BC003112	4771	NF2	no errors	hORFeome V8.1 Collection	4771	NF2	NM_181831.2; NM_181830.2	Full Length 100% match
ccsbBroadEn_01088	ccsbBroad304_01088		BC001050	4775	NFATC3	no errors	hORFeome V8.1 Collection	4775	NFATC3	NM_173165.2	Full Length 100% match
ccsbBroadEn_01089	ccsbBroad304_01089		BC005044	4778	NFE2	no errors	hORFeome V8.1 Collection	4778	NFE2	NM_006163.1; NM_001136023.1	Full Length 100% match
ccsbBroadEn_01090	ccsbBroad304_01090		BC011558	4780	NFE2L2	no errors	hORFeome V8.1 Collection	4780	NFE2L2	NM_006164.3	Full Length 100% match
ccsbBroadEn_01091	ccsbBroad304_01091		BC001283	4781	NFIB	no errors	hORFeome V8.1 Collection	4781	NFIB	NM_005596.3	Full Length 100% match
ccsbBroadEn_01092	ccsbBroad304_01092		BC008197	4783	NFIL3	no errors	hORFeome V8.1 Collection	4783	NFIL3	NM_005384.2	Full Length 100% match



ccsbBroadEn_01093	ccsbBroad304_01093		BC002601	4792	NFKBIA	no errors	hORFeome V8.1 Collection	4792	NFKBIA	NM_020529.2	Full Length 100% match
ccsbBroadEn_01094	ccsbBroad304_01094		BC015528	4793	NFKBIB	no errors	hORFeome V8.1 Collection	4793	NFKBIB	NM_002503.3	Full Length 100% match
ccsbBroadEn_01095	ccsbBroad304_01095	454	BC005003	4802	NFYC	no errors	hORFeome V8.1 Collection	4802	NFYC	NM_014223.4	Full Length 100% match
ccsbBroadEn_01096	ccsbBroad304_01096		BC013789	4807	NHLH1	no errors	hORFeome V8.1 Collection	4807	NHLH1	NM_005598.3	Full Length 100% match
ccsbBroadEn_01097	ccsbBroad304_01097	454	BC096359,BC096360	4808	NHLH2	no errors	hORFeome V8.1 Collection	4808	NHLH2	NM_001111061.1; NM_005599.3	Full Length 100% match
ccsbBroadEn_01098	ccsbBroad304_01098		BC019282	4809	NHP2L1	no errors	hORFeome V8.1 Collection	4809	NHP2L1	NM_001003796.1; NM_005008.2	Full Length 100% match
ccsbBroadEn_01099	ccsbBroad304_01099		BC004440	4814	NINJ1	no errors	hORFeome V8.1 Collection	4814	NINJ1	NM_004148.3	Full Length 100% match
ccsbBroadEn_01100	ccsbBroad304_01100		BC015759	4818	NKG7	no errors	hORFeome V8.1 Collection	4818	NKG7	NM_005601.3	Full Length 100% match
ccsbBroadEn_01101	ccsbBroad304_01101		BC000293,BC018994	4830	NME1	no errors	hORFeome V8.1 Collection	4830	NME1	NM_000269.2	Full Length 100% match
ccsbBroadEn_01102	ccsbBroad304_01102	454	BC006538	4836	NMT1	no errors	hORFeome V8.1 Collection	4836	NMT1	NM_021079.3	Full Length 100% match
ccsbBroadEn_01103	ccsbBroad304_01103		BC002364,BC069639	4841	NONO	no errors	hORFeome V8.1 Collection	4841	NONO	NM_007363.4; NM_001145408.1; NM_001145409.1	Full Length 100% match
ccsbBroadEn_01104	ccsbBroad304_01104	454	BC075038	4857	NOVA1	no errors	hORFeome V8.1 Collection	4857	NOVA1	NM_002515.2	Full Length 100% match
ccsbBroadEn_01105	ccsbBroad304_01105		BC104206	4860	PNP	no errors	hORFeome V8.1 Collection	4860	PNP	NM_000270.3	Full Length 100% match
ccsbBroadEn_01106	ccsbBroad304_01106		BC062574	4867	NPHP1	no errors	hORFeome V8.1 Collection	4867	NPHP1	NM_001128179.1	Full Length 100% match
ccsbBroadEn_01107	ccsbBroad304_01107		BC009623	4869	NPM1	no errors	hORFeome V8.1 Collection	4869	NPM1	NM_199185.3	Full Length 100% match
ccsbBroadEn_01108	ccsbBroad304_01108		BC025785	4879	NPPB	no errors	hORFeome V8.1 Collection	4879	NPPB	NM_002521.2	Full Length 100% match
ccsbBroadEn_01109	ccsbBroad304_01109	454	BC075052	4887	NPY2R	no errors	hORFeome V8.1 Collection	4887	NPY2R	NM_000910.2	Full Length 100% match
ccsbBroadEn_01110	ccsbBroad304_01110		BC002835	4900	NRGN	no errors	hORFeome V8.1 Collection	4900	NRGN	NM_001126181.1; NM_006176.2	Full Length 100% match
ccsbBroadEn_01111	ccsbBroad304_01111		BC069773	4908	NTF3	no errors	hORFeome V8.1 Collection	4908	NTF3	NM_002527.4	Full Length 100% match
ccsbBroadEn_01112	ccsbBroad304_01112		BC012421	4909	NTF4	no errors	hORFeome V8.1 Collection	4909	NTF4	NM_006179.4	Full Length 100% match
ccsbBroadEn_01113	ccsbBroad304_01113		BC031835	4915	NTRK2	no errors	hORFeome V8.1 Collection	4915	NTRK2	NM_001007097.1	Full Length 100% match
ccsbBroadEn_01114	ccsbBroad304_01114	454	BC000335	4927	NUP88	no errors	hORFeome V8.1 Collection	4927	NUP88	NM_002532.4	Full Length 100% match
ccsbBroadEn_01115	ccsbBroad304_01115	454	BC046356	4958	OMD	no errors	hORFeome V8.1 Collection	4958	OMD	NM_005014.2	Full Length 100% match
ccsbBroadEn_01116	ccsbBroad304_01116		BC037273	4969	OGN	no errors	hORFeome V8.1 Collection	4969	OGN	NM_033014.2; NM_014057.3	Full Length 100% match
ccsbBroadEn_01117	ccsbBroad304_01117		BC022295	4973	OLR1	no errors	hORFeome V8.1 Collection	4973	OLR1	NM_002543.3	Full Length 100% match
ccsbBroadEn_01118	ccsbBroad304_01118		BC018050	4974	OMG	no errors	hORFeome V8.1 Collection	4974	OMG	NM_002544.4	Full Length 100% match
ccsbBroadEn_01119	ccsbBroad304_01119		BC069365	4975	OMP	no errors	hORFeome V8.1 Collection	4975	OMP	NM_006189.1	Full Length 100% match
ccsbBroadEn_01120	ccsbBroad304_01120		BC030155	4982	TNFRSF11B	no errors	hORFeome V8.1 Collection	4982	TNFRSF11B	NM_002546.3	Full Length 100% match
ccsbBroadEn_01121	ccsbBroad304_01121		BC038433	4987	OPRL1	no errors	hORFeome V8.1 Collection	4987	OPRL1	NM_000913.3; NM_182647.1	Full Length 100% match
ccsbBroadEn_01122	ccsbBroad304_01122	454	BC074927	4988	OPRM1	no errors	hORFeome V8.1 Collection	4988	OPRM1	NM_000914.3	Full Length 100% match
ccsbBroadEn_01123	ccsbBroad304_01123		BC106735	4991	OR1D2	no errors	hORFeome V8.1 Collection	4991	OR1D2	NM_002548.2	Full Length 100% match
ccsbBroadEn_01124	ccsbBroad304_01124		BC096187	4994	OR3A1	no errors	hORFeome V8.1 Collection	4994	OR3A1	NM_002550.2	Full Length 100% match
ccsbBroadEn_01125	ccsbBroad304_01125		BC014847	5000	ORC4	no errors	hORFeome V8.1 Collection	5000	ORC4	NM_181742.3; NM_181741.3; NM_002552.4; NM_001190879.2	Full Length 100% match
ccsbBroadEn_01126	ccsbBroad304_01126		BC011589	5008	OSM	no errors	hORFeome V8.1 Collection	5008	OSM	NM_020530.3	Full Length 100% match
ccsbBroadEn_01127	ccsbBroad304_01127	454	BC074745	5009	OTC	no errors	hORFeome V8.1 Collection	5009	OTC	NM_000531.5	Full Length 100% match
ccsbBroadEn_01128	ccsbBroad304_01128		BC032579	5015	OTX2	no errors	hORFeome V8.1 Collection	5015	OTX2	NM_021728.2	Full Length 100% match
ccsbBroadEn_01129	ccsbBroad304_01129		BC126177	5016	OVGP1	no errors	hORFeome V8.1 Collection	5016	OVGP1	NM_002557.3	Full Length 100% match
ccsbBroadEn_01130	ccsbBroad304_01130		BC059408	5017	OVOL1	no errors	hORFeome V8.1 Collection	5017	OVOL1	NM_004561.2	Full Length 100% match
ccsbBroadEn_01131	ccsbBroad304_01131		BC009001	5019	OXCT1	no errors	hORFeome V8.1 Collection	5019	OXCT1	NM_000436.3	Full Length 100% match
ccsbBroadEn_01132	ccsbBroad304_01132	454	BC101841	5020	OXT	no errors	hORFeome V8.1 Collection	5020	OXT	NM_000915.2	Full Length 100% match
ccsbBroadEn_01133	ccsbBroad304_01133		BC044657	5023	P2RX1	no errors	hORFeome V8.1 Collection	5023	P2RX1	NM_002558.2	Full Length 100% match
ccsbBroadEn_01134	ccsbBroad304_01134		BC039015	5026	P2RX5	no errors	hORFeome V8.1 Collection	5026	P2RX5	NM_002561.2	Full Length 100% match
ccsbBroadEn_01135	ccsbBroad304_01135	454	BC074784	5028	P2RY1	no errors	hORFeome V8.1 Collection	5028	P2RY1	NM_002563.2	Full Length 100% match
ccsbBroadEn_01136	ccsbBroad304_01136		BC096067	5030	P2RY4	no errors	hORFeome V8.1 Collection	5030	P2RY4	NM_002565.3	Full Length 100% match
ccsbBroadEn_01137	ccsbBroad304_01137		BC000571,BC009391	5031	P2RY6	no errors	hORFeome V8.1 Collection	5031	P2RY6	NM_176797.1; NM_004154.3; NM_176796.1; NM_176798.1	Full Length 100% match
ccsbBroadEn_01138	ccsbBroad304_01138		BC010859,BC029617	5034	P4HB	no errors	hORFeome V8.1 Collection	5034	P4HB	NM_000918.3	Full Length 100% match
ccsbBroadEn_01139	ccsbBroad304_01139		BC001951,BC069786	5036	PA2G4	no errors	hORFeome V8.1 Collection	5036	PA2G4	NM_006191.2	Full Length 100% match
ccsbBroadEn_01140	ccsbBroad304_01140		BC069451,BC069562	5047	PAEP	no errors	hORFeome V8.1 Collection	5047	PAEP	NM_002571.2; NM_001018049.1	Full Length 100% match
ccsbBroadEn_01141	ccsbBroad304_01141	454	BC064638	5048	PAFAH1B1	no errors	hORFeome V8.1 Collection	5048	PAFAH1B1	NM_000430.3	Full Length 100% match
ccsbBroadEn_01142	ccsbBroad304_01142		BC000398	5049	PAFAH1B2	no errors	hORFeome V8.1 Collection	5049	PAFAH1B2	NM_002572.3	Full Length 100% match
ccsbBroadEn_01143	ccsbBroad304_01143		BC003016,BC007863	5050	PAFAH1B3	no errors	hORFeome V8.1 Collection	5050	PAFAH1B3	NM_002573.3; NM_001145939.1;	Full Length 100% match
ccsbBroadEn_01144	ccsbBroad304_01144		BC109299	5058	PAK1	no errors	hORFeome V8.1 Collection	5058	PAK1	NM_001145940.1	Full Length 100% match
ccsbBroadEn_01145	ccsbBroad304_01145		BC036776	5068	REG3A	no errors	hORFeome V8.1 Collection	5068	REG3A	NM_002580.2; NM_138937.2; NM_138938.2	Full Length 100% match
ccsbBroadEn_01146	ccsbBroad304_01146		BC050029	5073	PARN	no errors	hORFeome V8.1 Collection	5073	PARN	NM_002582.2	Full Length 100% match
ccsbBroadEn_01147	ccsbBroad304_01147		BC011617	5091	PC	no errors	hORFeome V8.1 Collection	5091	PC	NM_022172.2; NM_000920.3; NM_001040716.1	Full Length 100% match
ccsbBroadEn_01148	ccsbBroad304_01148		BC006324	5092	PCBD1	no errors	hORFeome V8.1 Collection	5092	PCBD1	NM_000281.2	Full Length 100% match
ccsbBroadEn_01149	ccsbBroad304_01149		BC039742	5093	PCBP1	no errors	hORFeome V8.1 Collection	5093	PCBP1	NM_006196.3	Full Length 100% match
ccsbBroadEn_01150	ccsbBroad304_01150		BC013768,BC053661	5096	PCCB	no errors	hORFeome V8.1 Collection	5096	PCCB	NM_000532.4	Full Length 100% match
ccsbBroadEn_01151	ccsbBroad304_01151		BC006439,BC027451	5098	PCDHGC3	no errors	hORFeome V8.1 Collection	5098	PCDHGC3	NM_032403.1	Full Length 100% match
ccsbBroadEn_01152	ccsbBroad304_01152		BC000491,BC062439	5111	PCNA	no errors	hORFeome V8.1 Collection	5111	PCNA	NM_002592.2; NM_182649.1	Full Length 100% match
ccsbBroadEn_01153	ccsbBroad304_01153		BC132711,BC132713	5119	CHMP1A	no errors	hORFeome V8.1 Collection	5119	CHMP1A	NM_002768.2	Full Length 100% match
ccsbBroadEn_01154	ccsbBroad304_01154		BC013791	5121	PCP4	no errors	hORFeome V8.1 Collection	5121	PCP4	NM_006198.2	Full Length 100% match
ccsbBroadEn_01155	ccsbBroad304_01155		BC015607	5127	CDK16	no errors	hORFeome V8.1 Collection	5127	CDK16	NM_006201.4	Full Length 100% match
ccsbBroadEn_01156	ccsbBroad304_01156		BC033005	5128	CDK17	no errors	hORFeome V8.1 Collection	5128	CDK17	NM_002595.4	Full Length 100% match
ccsbBroadEn_01157	ccsbBroad304_01157	454	BC046355	5130	PCYT1A	no errors	hORFeome V8.1 Collection	5130	PCYT1A	NM_005017.2	Full Length 100% match
ccsbBroadEn_01158	ccsbBroad304_01158		BC007831	5147	PDE6D	no errors	hORFeome V8.1 Collection	5147	PDE6D	NM_002601.2	Full Length 100% match
ccsbBroadEn_01159	ccsbBroad304_01159		BC106884	5148	PDE6G	no errors	hORFeome V8.1 Collection	5148	PDE6G	NM_002602.3	Full Length 100% match
ccsbBroadEn_01160	ccsbBroad304_01160		BC069800	5149	PDE6H	no errors	hORFeome V8.1 Collection	5149	PDE6H	NM_006205.2	Full Length 100% match
ccsbBroadEn_01161	ccsbBroad304_01161		BC126360	5150	PDE7A	no errors	hORFeome V8.1 Collection	5150	PDE7A	NM_002603.2	Full Length 100% match
ccsbBroadEn_01162	ccsbBroad304_01162		BC029822	5155	PDGFB	no errors	hORFeome V8.1 Collection	5155	PDGFB	NM_002608.2	Full Length 100% match
ccsbBroadEn_01163	ccsbBroad304_01163		BC002406	5160	PDHA1	no errors	hORFeome V8.1 Collection	5160	PDHA1	NM_000284.3	Full Length 100% match
ccsbBroadEn_01164	ccsbBroad304_01164		BC000439	5162	PDHB	no errors	hORFeome V8.1 Collection	5162	PDHB	NM_000925.3	Full Length 100% match



ccsbBroadEn_01165	ccsbBroad304_01165		BC039158	5163	PDK1	no errors	hORFeome V8.1 Collection	5163	PDK1	NM_002610.3	Full Length 100% match
ccsbBroadEn_01166	ccsbBroad304_01166		BC005811,BC040478	5164	PDK2	no errors	hORFeome V8.1 Collection	5164	PDK2	NM_002611.3	Full Length 100% match
ccsbBroadEn_01167	ccsbBroad304_01167		BC015941	5165	PDK3	no errors	hORFeome V8.1 Collection	5165	PDK3	NM_005391.4	Full Length 100% match
ccsbBroadEn_01168	ccsbBroad304_01168		BC006339,BC033494	5170	PDPK1	no errors	hORFeome V8.1 Collection	5170	PDPK1	NM_031268.4	Full Length 100% match
ccsbBroadEn_01169	ccsbBroad304_01169		BC026334	5173	PDYN	no errors	hORFeome V8.1 Collection	5173	PDYN	NM_001190892.1; NM_024411.3; NM_001190898.1; NM_001190899.1; NM_001190900.1	Full Length 100% match
ccsbBroadEn_01170	ccsbBroad304_01170		BC006496	5174	PDZK1	no errors	hORFeome V8.1 Collection	5174	PDZK1	NM_002614.3	Full Length 100% match
ccsbBroadEn_01171	ccsbBroad304_01171		BC032505	5179	PENK	no errors	hORFeome V8.1 Collection	5179	PENK	NM_006211.3; NM_001135690.1	Full Length 100% match
ccsbBroadEn_01172	ccsbBroad304_01172		BC004305,BC015027	5184	PEPD	no errors	hORFeome V8.1 Collection	5184	PEPD	NM_000285.3	Full Length 100% match
ccsbBroadEn_01173	ccsbBroad304_01173		BC006268	5191	PEX7	no errors	hORFeome V8.1 Collection	5191	PEX7	NM_000288.3	Full Length 100% match
ccsbBroadEn_01174	ccsbBroad304_01174		BC067090	5194	PEX13	no errors	hORFeome V8.1 Collection	5194	PEX13	NM_002618.3	Full Length 100% match
ccsbBroadEn_01175	ccsbBroad304_01175	454	BC093965	5196	PF4	no errors	hORFeome V8.1 Collection	5196	PF4	NM_002619.2	Full Length 100% match
ccsbBroadEn_01176	ccsbBroad304_01176		BC130653,BC130657	5197	PF4V1	no errors	hORFeome V8.1 Collection	5197	PF4V1	NM_002620.2	Full Length 100% match
ccsbBroadEn_01177	ccsbBroad304_01177		BC011869	5201	PFDN1	no errors	hORFeome V8.1 Collection	5201	PFDN1	NM_002622.4	Full Length 100% match
ccsbBroadEn_01178	ccsbBroad304_01178		BC012464,BC047042	5202	PFDN2	no errors	hORFeome V8.1 Collection	5202	PFDN2	NM_012394.3	Full Length 100% match
ccsbBroadEn_01179	ccsbBroad304_01179		BC062671	5204	PFDN5	no errors	hORFeome V8.1 Collection	5204	PFDN5	NM_002624.3	Full Length 100% match
ccsbBroadEn_01180	ccsbBroad304_01180		BC040482	5209	PFKFB3	no errors	hORFeome V8.1 Collection	5209	PFKFB3	NM_004566.3	Full Length 100% match
ccsbBroadEn_01181	ccsbBroad304_01181		BC002475,BC057828	5216	PFN1	no errors	hORFeome V8.1 Collection	5216	PFN1	NM_005022.2	Full Length 100% match
ccsbBroadEn_01182	ccsbBroad304_01182		BC001904	5224	PGAM2	no errors	hORFeome V8.1 Collection	5224	PGAM2	NM_000290.3	Full Length 100% match
ccsbBroadEn_01183	ccsbBroad304_01183		BC000368	5226	PGD	no errors	hORFeome V8.1 Collection	5226	PGD	NM_002631.2	Full Length 100% match
ccsbBroadEn_01184	ccsbBroad304_01184		BC113568	5230	PGK1	no errors	hORFeome V8.1 Collection	5230	PGK1	NM_000291.3	Full Length 100% match
ccsbBroadEn_01185	ccsbBroad304_01185		BC038843	5232	PGK2	no errors	hORFeome V8.1 Collection	5232	PGK2	NM_138733.4	Full Length 100% match
ccsbBroadEn_01186	ccsbBroad304_01186		BC013401	5245	PHB	no errors	hORFeome V8.1 Collection	5245	PHB	NM_002634.2	Full Length 100% match
ccsbBroadEn_01187	ccsbBroad304_01187		BC000998,BC014019	5250	SLC25A3	no errors	hORFeome V8.1 Collection	5250	SLC25A3	NM_213611.2; NM_002635.3	Full Length 100% match
ccsbBroadEn_01188	ccsbBroad304_01188	454	BC105059	5251	PHEX	no errors	hORFeome V8.1 Collection	5251	PHEX	NM_000444.4	Full Length 100% match
ccsbBroadEn_01189	ccsbBroad304_01189		BC008834	5252	PHF1	no errors	hORFeome V8.1 Collection	5252	PHF1	NM_024165.2	Full Length 100% match
ccsbBroadEn_01190	ccsbBroad304_01190		BC002541	5261	PHKG2	no errors	hORFeome V8.1 Collection	5261	PHKG2	NM_000294.2	Full Length 100% match
ccsbBroadEn_01191	ccsbBroad304_01191		BC010952	5266	PI3	no errors	hORFeome V8.1 Collection	5266	PI3	NM_002638.3	Full Length 100% match
ccsbBroadEn_01192	ccsbBroad304_01192		BC014992	5267	SERPINA4	no errors	hORFeome V8.1 Collection	5267	SERPINA4	NM_006215.2	Full Length 100% match
ccsbBroadEn_01193	ccsbBroad304_01193		BC015663	5270	SERPINE2	no errors	hORFeome V8.1 Collection	5270	SERPINE2	NM_006216.3	Full Length 100% match
ccsbBroadEn_01194	ccsbBroad304_01194		BC042628	5270	SERPINE2	no errors	hORFeome V8.1 Collection	5270	SERPINE2	NM_001136528.1	Full Length 100% match
ccsbBroadEn_01195	ccsbBroad304_01195		BC002538	5272	SERPINE9	no errors	hORFeome V8.1 Collection	5272	SERPINE9	NM_004155.4	Full Length 100% match
ccsbBroadEn_01196	ccsbBroad304_01196	454	BC101821	5275	SERPINE13	no errors	hORFeome V8.1 Collection	5275	SERPINE13	NM_012397.3	Full Length 100% match
ccsbBroadEn_01197	ccsbBroad304_01197		BC027859	5276	SERPINE2	no errors	hORFeome V8.1 Collection	5276	SERPINE2	NM_006217.3	Full Length 100% match
ccsbBroadEn_01198	ccsbBroad304_01198		BC038236	5277	PIGA	no errors	hORFeome V8.1 Collection	5277	PIGA	NM_002641.3	Full Length 100% match
ccsbBroadEn_01199	ccsbBroad304_01199		BC029408	5281	PIGF	no errors	hORFeome V8.1 Collection	5281	PIGF	NM_002643.3	Full Length 100% match
ccsbBroadEn_01200	ccsbBroad304_01200		BC004100	5283	PIGH	no errors	hORFeome V8.1 Collection	5283	PIGH	NM_004569.3	Full Length 100% match
ccsbBroadEn_01201	ccsbBroad304_01201		BC110494	5284	PIGR	no errors	hORFeome V8.1 Collection	5284	PIGR	NM_002644.3	Full Length 100% match
ccsbBroadEn_01202	ccsbBroad304_01202		BC114432	5291	PIK3CB	no errors	hORFeome V8.1 Collection	5291	PIK3CB	NM_006219.1	Full Length 100% match
ccsbBroadEn_01203	ccsbBroad304_01203		BC020224	5292	PIM1	no errors	hORFeome V8.1 Collection	5292	PIM1	NM_002648.3	Full Length 100% match
ccsbBroadEn_01204	ccsbBroad304_01204	454	BC132919	5293	PIK3CD	no errors	hORFeome V8.1 Collection	5293	PIK3CD	NM_005026.3	Full Length 100% match
ccsbBroadEn_01205	ccsbBroad304_01205		BC002899	5300	PIN1	no errors	hORFeome V8.1 Collection	5300	PIN1	NM_006221.2	Full Length 100% match
ccsbBroadEn_01206	ccsbBroad304_01206		BC010950	5304	PIP	no errors	hORFeome V8.1 Collection	5304	PIP	NM_002652.2	Full Length 100% match
ccsbBroadEn_01207	ccsbBroad304_01207		BC018034	5305	PIP4K2A	no errors	hORFeome V8.1 Collection	5305	PIP4K2A	NM_005028.4	Full Length 100% match
ccsbBroadEn_01208	ccsbBroad304_01208		BC082976	5306	PITPNA	no errors	hORFeome V8.1 Collection	5306	PITPNA	NM_006224.3	Full Length 100% match
ccsbBroadEn_01209	ccsbBroad304_01209		BC009412	5307	PITX1	no errors	hORFeome V8.1 Collection	5307	PITX1	NM_002653.4	Full Length 100% match
ccsbBroadEn_01210	ccsbBroad304_01210		BC013998	5308	PITX2	no errors	hORFeome V8.1 Collection	5308	PITX2	NM_000325.5	Full Length 100% match
ccsbBroadEn_01211	ccsbBroad304_01211		BC007640	5315	PKM2	no errors	hORFeome V8.1 Collection	5315	PKM2	NM_002654.3	Full Length 100% match
ccsbBroadEn_01212	ccsbBroad304_01212		BC126199	5318	PKP2	no errors	hORFeome V8.1 Collection	5318	PKP2	NM_001005242.2	Full Length 100% match
ccsbBroadEn_01213	ccsbBroad304_01213		BC106725	5319	PLA2G1B	no errors	hORFeome V8.1 Collection	5319	PLA2G1B	NM_000928.2	Full Length 100% match
ccsbBroadEn_01214	ccsbBroad304_01214	454	BC036792	5322	PLA2G5	no errors	hORFeome V8.1 Collection	5322	PLA2G5	NM_000929.2	Full Length 100% match
ccsbBroadEn_01215	ccsbBroad304_01215		BC002788	5329	PLAUR	no errors	hORFeome V8.1 Collection	5329	PLAUR	NM_002659.2	Full Length 100% match
ccsbBroadEn_01216	ccsbBroad304_01216		BC068976	5337	PLD1	no errors	hORFeome V8.1 Collection	5337	PLD1	NM_002662.3	Full Length 100% match
ccsbBroadEn_01217	ccsbBroad304_01217		BC005379,BC022294	5342	PLGLB2	no errors	hORFeome V8.1 Collection	5343; 5342	PLGLB1; PLGLB2	NM_001032392.2; NM_002665.4	Full Length 100% match
ccsbBroadEn_01218	ccsbBroad304_01218		BC002369,BC014846	5347	PLK1	no errors	hORFeome V8.1 Collection	5347	PLK1	NM_005030.3	Full Length 100% match
ccsbBroadEn_01219	ccsbBroad304_01219		BC032800	5348	FXYP1	no errors	hORFeome V8.1 Collection	5348	FXYP1	NM_005031.3; NM_021902.2	Full Length 100% match
ccsbBroadEn_01220	ccsbBroad304_01220		BC005238	5349	FXYP3	no errors	hORFeome V8.1 Collection	5349	FXYP3	NM_005971.3; NM_001136011.1	Full Length 100% match
ccsbBroadEn_01221	ccsbBroad304_01221		BC005269	5350	PLN	no errors	hORFeome V8.1 Collection	5350	PLN	NM_002667.3	Full Length 100% match
ccsbBroadEn_01222	ccsbBroad304_01222		BC109066	5355	PLP2	no errors	hORFeome V8.1 Collection	5355	PLP2	NM_002668.2	Full Length 100% match
ccsbBroadEn_01223	ccsbBroad304_01223		BC039049,BC056898	5358	PLS3	no errors	hORFeome V8.1 Collection	5358	PLS3	NM_005032.5; NM_001136025.3	Full Length 100% match
ccsbBroadEn_01224	ccsbBroad304_01224		BC005045	5360	PLTP	no errors	hORFeome V8.1 Collection	5360	PLTP	NM_182676.1	Full Length 100% match
ccsbBroadEn_01225	ccsbBroad304_01225		BC018048	5367	PMCH	no errors	hORFeome V8.1 Collection	5367	PMCH	NM_002674.2	Full Length 100% match
ccsbBroadEn_01226	ccsbBroad304_01226		BC034758	5368	PNOC	no errors	hORFeome V8.1 Collection	5368	PNOC	NM_006228.3	Full Length 100% match
ccsbBroadEn_01227	ccsbBroad304_01227		BC010855,BC016818	5372	PMM1	no errors	hORFeome V8.1 Collection	5372	PMM1	NM_002676.2	Full Length 100% match
ccsbBroadEn_01228	ccsbBroad304_01228		BC034997	5375	PMP2	no errors	hORFeome V8.1 Collection	5375	PMP2	NM_002677.3	Full Length 100% match
ccsbBroadEn_01229	ccsbBroad304_01229		BC019040	5376	PMP22	no errors	hORFeome V8.1 Collection	5376	PMP22	NM_153321.1; NM_000304.2; NM_153322.1	Full Length 100% match
ccsbBroadEn_01230	ccsbBroad304_01230		BC014309	5406	PNLIP	no errors	hORFeome V8.1 Collection	5406	PNLIP	NM_000936.2	Full Length 100% match
ccsbBroadEn_01231	ccsbBroad304_01231		BC037246	5409	PNMT	no errors	hORFeome V8.1 Collection	5409	PNMT	NM_002686.3	Full Length 100% match
ccsbBroadEn_01232	ccsbBroad304_01232		BC059385	5412	UBL3	no errors	hORFeome V8.1 Collection	5412	UBL3	NM_007106.3	Full Length 100% match
ccsbBroadEn_01233	ccsbBroad304_01233		CCSB53293	5414	SEPT4	no errors	hORFeome V8.1 Collection	5414	SEPT4	NM_004574.3	Full Length 100% match
ccsbBroadEn_01234	ccsbBroad304_01234		BC106909	5423	POLB	no errors	hORFeome V8.1 Collection	5423	POLB	NM_002690.1	Full Length 100% match
ccsbBroadEn_01235	ccsbBroad304_01235		BC000459	5425	POLD2	no errors	hORFeome V8.1 Collection	5425	POLD2	NM_006230.2; NM_001127218.1	Full Length 100% match
ccsbBroadEn_01236	ccsbBroad304_01236		BC126218,CCSB53358	5427	POLE2	no errors	hORFeome V8.1 Collection	5427	POLE2	NM_002692.3	Full Length 100% match
ccsbBroadEn_01237	ccsbBroad304_01237		BC003159	5432	POLR2C	no errors	hORFeome V8.1 Collection	5432	POLR2C	NM_032940.2	Full Length 100% match
ccsbBroadEn_01238	ccsbBroad304_01238		BC017205	5433	POLR2D	no errors	hORFeome V8.1 Collection	5433	POLR2D	NM_004805.3	Full Length 100% match
ccsbBroadEn_01239	ccsbBroad304_01239		BC004441	5434	POLR2E	no errors	hORFeome V8.1 Collection	5434	POLR2E	NM_002695.3	Full Length 100% match
ccsbBroadEn_01240	ccsbBroad304_01240		BC003582	5435	POLR2F	no errors	hORFeome V8.1 Collection	5435	POLR2F	NM_021974.3	Full Length 100% match
ccsbBroadEn_01241	ccsbBroad304_01241	454	BC112162	5436	POLR2G	no errors	hORFeome V8.1 Collection	5436	POLR2G	NM_002696.2	Full Length 100% match
ccsbBroadEn_01242	ccsbBroad304_01242		BC017112	5438	POLR2I	no errors	hORFeome V8.1 Collection	5438	POLR2I	NM_006233.4	Full Length 100% match
ccsbBroadEn_01243	ccsbBroad304_01243		BC024165	5439	POLR2J	no errors	hORFeome V8.1 Collection	5439	POLR2J	NM_006234.4	Full Length 100% match
ccsbBroadEn_01244	ccsbBroad304_01244		BC005903	5441	POLR2L	no errors	hORFeome V8.1 Collection	5441	POLR2L	NM_021128.4	Full Length 100% match



ccsbBroadEn_01245	ccsbBroad304_01245	454	BC065832	5443	POMC	no errors	hORFeome V8.1 Collection	5443	POMC	NM_000939.2; NM_001035256.1	Full Length 100% match
ccsbBroadEn_01246	ccsbBroad304_01246	454	BC074719	5444	PON1	no errors	hORFeome V8.1 Collection	5444	PON1	NM_000446.5	Full Length 100% match
ccsbBroadEn_01247	ccsbBroad304_01247		BC032549	5450	POU2AF1	no errors	hORFeome V8.1 Collection	5450	POU2AF1	NM_006235.2	Full Length 100% match
ccsbBroadEn_01248	ccsbBroad304_01248		BC051326	5463	POU6F1	no errors	hORFeome V8.1 Collection	5463	POU6F1	NM_002702.3	Full Length 100% match
ccsbBroadEn_01249	ccsbBroad304_01249		BC006811	5468	PPARG	no errors	hORFeome V8.1 Collection	5468	PPARG	NM_138712.3; NM_138711.3; NM_005037.5	Full Length 100% match
ccsbBroadEn_01250	ccsbBroad304_01250		BC028217	5473	PPBP	no errors	hORFeome V8.1 Collection	5473	PPBP	NM_002704.3	Full Length 100% match
ccsbBroadEn_01251	ccsbBroad304_01251		BC036026	5475	PPEF1	no errors	hORFeome V8.1 Collection	5475	PPEF1	NM_006240.2	Full Length 100% match
ccsbBroadEn_01252	ccsbBroad304_01252		BC000689,BC013915	5478	PPIA	no errors	hORFeome V8.1 Collection	5478	PPIA	NM_021130.3	Full Length 100% match
ccsbBroadEn_01253	ccsbBroad304_01253		BC030707	5481	PPID	no errors	hORFeome V8.1 Collection	5481	PPID	NM_005038.2	Full Length 100% match
ccsbBroadEn_01254	ccsbBroad304_01254		BC026691,BC063243	5494	PPM1A	no errors	hORFeome V8.1 Collection	5494	PPM1A	NM_021003.4	Full Length 100% match
ccsbBroadEn_01255	ccsbBroad304_01255		BC012002	5495	PPM1B	no errors	hORFeome V8.1 Collection	5495	PPM1B	NM_177969.2	Full Length 100% match
ccsbBroadEn_01256	ccsbBroad304_01256		BC000057,BC022061	5496	PPM1G	no errors	hORFeome V8.1 Collection	5496	PPM1G	NM_177983.1	Full Length 100% match
ccsbBroadEn_01257	ccsbBroad304_01257		BC002357	5498	PPOX	no errors	hORFeome V8.1 Collection	5498	PPOX	NM_000309.3; NM_001122764.1	Full Length 100% match
ccsbBroadEn_01258	ccsbBroad304_01258		BC001888,BC008010	5499	PPP1CA	no errors	hORFeome V8.1 Collection	5499	PPP1CA	NM_002708.3	Full Length 100% match
ccsbBroadEn_01259	ccsbBroad304_01259		BC014073	5501	PPP1CC	no errors	hORFeome V8.1 Collection	5501	PPP1CC	NM_002710.2	Full Length 100% match
ccsbBroadEn_01260	ccsbBroad304_01260		BC007655	5504	PPP1R2	no errors	hORFeome V8.1 Collection	5504	PPP1R2	NM_006241.4	Full Length 100% match
ccsbBroadEn_01261	ccsbBroad304_01261		BC013360	5511	PPP1R8	no errors	hORFeome V8.1 Collection	5511	PPP1R8	NM_138558.2	Full Length 100% match
ccsbBroadEn_01262	ccsbBroad304_01262		BC012022	5516	PPP2CB	no errors	hORFeome V8.1 Collection	5516	PPP2CB	NM_001009552.1	Full Length 100% match
ccsbBroadEn_01263	ccsbBroad304_01263		BC001537	5518	PPP2R1A	no errors	hORFeome V8.1 Collection	5518	PPP2R1A	NM_014225.5	Full Length 100% match
ccsbBroadEn_01264	ccsbBroad304_01264		BC031790	5521	PPP2R2B	no errors	hORFeome V8.1 Collection	5521	PPP2R2B	NM_004576.2; NM_181675.2; NM_181674.2; NM_001127381.1	Full Length 100% match
ccsbBroadEn_01265	ccsbBroad304_01265		BC002545,BC011605	5524	PPP2R4	no errors	hORFeome V8.1 Collection	5524	PPP2R4	NM_178000.2; NM_021131.4	Full Length 100% match
ccsbBroadEn_01266	ccsbBroad304_01266		BC025714	5530	PPP3CA	no errors	hORFeome V8.1 Collection	5530	PPP3CA	NM_001130691.1	Full Length 100% match
ccsbBroadEn_01267	ccsbBroad304_01267		BC001416	5531	PPP4C	no errors	hORFeome V8.1 Collection	5531	PPP4C	NM_002720.1	Full Length 100% match
ccsbBroadEn_01268	ccsbBroad304_01268	454	BC028049	5532	PPP3CB	no errors	hORFeome V8.1 Collection	5532	PPP3CB	NM_001142353.1	Full Length 100% match
ccsbBroadEn_01269	ccsbBroad304_01269		BC030595	5535	PPP3R2	no errors	hORFeome V8.1 Collection	5535	PPP3R2	NM_147180.2	Full Length 100% match
ccsbBroadEn_01270	ccsbBroad304_01270		BC006990	5537	PPP6C	no errors	hORFeome V8.1 Collection	5537	PPP6C	NM_002721.4	Full Length 100% match
ccsbBroadEn_01271	ccsbBroad304_01271		BC008426	5538	PPT1	no errors	hORFeome V8.1 Collection	5538	PPT1	NM_000310.3	Full Length 100% match
ccsbBroadEn_01272	ccsbBroad304_01272		BC032225,BC040033	5539	PPY	no errors	hORFeome V8.1 Collection	5539	PPY	NM_002722.3	Full Length 100% match
ccsbBroadEn_01273	ccsbBroad304_01273		BC004913	5546	PRCC	no errors	hORFeome V8.1 Collection	5546	PRCC	NM_005973.4	Full Length 100% match
ccsbBroadEn_01274	ccsbBroad304_01274		BC032498	5549	PRELP	no errors	hORFeome V8.1 Collection	5549	PRELP	NM_002725.3; NM_201348.1	Full Length 100% match
ccsbBroadEn_01275	ccsbBroad304_01275		BC005266	5557	PRIM1	no errors	hORFeome V8.1 Collection	5557	PRIM1	NM_000946.2	Full Length 100% match
ccsbBroadEn_01276	ccsbBroad304_01276	454	BC001007,BC017671	5564	PRKAB1	no errors	hORFeome V8.1 Collection	5564	PRKAB1	NM_006253.4	Full Length 100% match
ccsbBroadEn_01277	ccsbBroad304_01277		BC053610	5565	PRKAB2	no errors	hORFeome V8.1 Collection	5565	PRKAB2	NM_005399.3	Full Length 100% match
ccsbBroadEn_01278	ccsbBroad304_01278		BC016285	5567	PRKACB	no errors	hORFeome V8.1 Collection	5567	PRKACB	NM_207578.1	Full Length 100% match
ccsbBroadEn_01279	ccsbBroad304_01279		BC000358	5571	PRKAG1	no errors	hORFeome V8.1 Collection	5571	PRKAG1	NM_002733.3	Full Length 100% match
ccsbBroadEn_01280	ccsbBroad304_01280		BC036285	5573	PRKAR1A	no errors	hORFeome V8.1 Collection	5573	PRKAR1A	NM_212471.1; NM_212472.1; NM_002734.3	Full Length 100% match
ccsbBroadEn_01281	ccsbBroad304_01281		BC109273	5578	PRKCA	no errors	hORFeome V8.1 Collection	5578	PRKCA	NM_002737.2	Full Length 100% match
ccsbBroadEn_01282	ccsbBroad304_01282		BC036472	5579	PRKCB	no errors	hORFeome V8.1 Collection	5579	PRKCB	NM_002738.6	Full Length 100% match
ccsbBroadEn_01283	ccsbBroad304_01283		BC109033	5581	PRKCE	no errors	hORFeome V8.1 Collection	5581	PRKCE	NM_005400.2	Full Length 100% match
ccsbBroadEn_01284	ccsbBroad304_01284		BC008058,BC014270	5590	PRKCZ	no errors	hORFeome V8.1 Collection	5590	PRKCZ	NM_002744.4	Full Length 100% match
ccsbBroadEn_01285	ccsbBroad304_01285		BC127090	5592	PRKG1	no errors	hORFeome V8.1 Collection	5592	PRKG1	NM_006258.2	Full Length 100% match
ccsbBroadEn_01286	ccsbBroad304_01286		BC117216	5596	MAPK4	no errors	hORFeome V8.1 Collection	5596	MAPK4	NM_002747.3	Full Length 100% match
ccsbBroadEn_01287	ccsbBroad304_01287		BC130570,BC130572	5599	MAPK8	no errors	hORFeome V8.1 Collection	5599	MAPK8	NM_139047.1	Full Length 100% match
ccsbBroadEn_01288	ccsbBroad304_01288		BC032539	5601	MAPK9	no errors	hORFeome V8.1 Collection	5601	MAPK9	NM_002752.4	Full Length 100% match
ccsbBroadEn_01289	ccsbBroad304_01289		BC000433	5603	MAPK13	no errors	hORFeome V8.1 Collection	5603	MAPK13	NM_002754.3	Full Length 100% match
ccsbBroadEn_01290	ccsbBroad304_01290		BC008838	5607	MAP2K5	no errors	hORFeome V8.1 Collection	5607	MAP2K5	NM_145160.1	Full Length 100% match
ccsbBroadEn_01291	ccsbBroad304_01291		BC012009	5608	MAP2K6	no errors	hORFeome V8.1 Collection	5608	MAP2K6	NM_002758.3	Full Length 100% match
ccsbBroadEn_01292	ccsbBroad304_01292	454	BC101475	5610	EIF2AK2	no errors	hORFeome V8.1 Collection	5610	EIF2AK2	NM_001135651.1; NM_002759.2	Full Length 100% match
ccsbBroadEn_01293	ccsbBroad304_01293		BC047936	5611	DNAJC3	no errors	hORFeome V8.1 Collection	5611	DNAJC3	NM_006260.4	Full Length 100% match
ccsbBroadEn_01294	ccsbBroad304_01294		BC117138,BC117140	5612	PRKRIR	no errors	hORFeome V8.1 Collection	5612	PRKRIR	NM_004705.2	Full Length 100% match
ccsbBroadEn_01295	ccsbBroad304_01295		BC015850	5617	PRL	no errors	hORFeome V8.1 Collection	5617	PRL	NM_000948.4; NM_001163558.1	Full Length 100% match
ccsbBroadEn_01296	ccsbBroad304_01296		BC005303,BC066338	5620	PRM2	no errors	hORFeome V8.1 Collection	5620	PRM2	NM_002762.2	Full Length 100% match
ccsbBroadEn_01297	ccsbBroad304_01297		BC001605	5631	PRPS1	no errors	hORFeome V8.1 Collection	5631	PRPS1	NM_002764.3	Full Length 100% match
ccsbBroadEn_01298	ccsbBroad304_01298		BC119662	5634	PRPS2	no errors	hORFeome V8.1 Collection	5634	PRPS2	NM_001039091.2	Full Length 100% match
ccsbBroadEn_01299	ccsbBroad304_01299		BC110875	5634	PRPS2	no errors	hORFeome V8.1 Collection	5634	PRPS2	NM_002765.4	Full Length 100% match
ccsbBroadEn_01300	Failed LR reaction	454	BC101670	5636	PRPSAP2	no errors	hORFeome V8.1 Collection	5636	PRPSAP2	NM_002767.2	Full Length 100% match
ccsbBroadEn_01301	ccsbBroad304_01301		BC060833	5638	PRRG1	no errors	hORFeome V8.1 Collection	5638	PRRG1	NM_000950.2; NM_001142395.1; NM_001173490.1; NM_001173489.1	Full Length 100% match
ccsbBroadEn_01302	ccsbBroad304_01302		BC015525	5653	KLK6	no errors	hORFeome V8.1 Collection	5653	KLK6	NM_002774.3; NM_001012964.1	Full Length 100% match
ccsbBroadEn_01303	ccsbBroad304_01303		BC096183	5657	PRTN3	no errors	hORFeome V8.1 Collection	5657	PRTN3	NM_002777.3	Full Length 100% match
ccsbBroadEn_01304	ccsbBroad304_01304		BC011729	5663	PSEN1	no errors	hORFeome V8.1 Collection	5663	PSEN1	NM_007318.2	Full Length 100% match
ccsbBroadEn_01305	ccsbBroad304_01305		BC058285	5669	PSG1	no errors	hORFeome V8.1 Collection	5669	PSG1	NM_001184825.1	Full Length 100% match
ccsbBroadEn_01306	ccsbBroad304_01306		BC020652	5675	PSG6	no errors	hORFeome V8.1 Collection	5675	PSG6	NM_001031850.2	Full Length 100% match
ccsbBroadEn_01307	ccsbBroad304_01307		BC002577,BC022372	5682	PSMA1	no errors	hORFeome V8.1 Collection	5682	PSMA1	NM_002786.3	Full Length 100% match
ccsbBroadEn_01308	ccsbBroad304_01308		BC047697	5683	PSMA2	no errors	hORFeome V8.1 Collection	5683	PSMA2	NM_002787.4	Full Length 100% match
ccsbBroadEn_01309	ccsbBroad304_01309		BC020807	5689	PSMB1	no errors	hORFeome V8.1 Collection	5689	PSMB1	NM_002793.3	Full Length 100% match
ccsbBroadEn_01310	ccsbBroad304_01310		BC000268	5690	PSMB2	no errors	hORFeome V8.1 Collection	5690	PSMB2	NM_002794.4	Full Length 100% match
ccsbBroadEn_01311	ccsbBroad304_01311		BC013008	5691	PSMB3	no errors	hORFeome V8.1 Collection	5691	PSMB3	NM_002795.2	Full Length 100% match
ccsbBroadEn_01312	ccsbBroad304_01312	454	BC001114	5696	PSMB8	no errors	hORFeome V8.1 Collection	5696	PSMB8	NM_004159.4	Full Length 100% match
ccsbBroadEn_01313	ccsbBroad304_01313		BC065513	5698	PSMB9	no errors	hORFeome V8.1 Collection	5698	PSMB9	NM_002800.4	Full Length 100% match
ccsbBroadEn_01314	ccsbBroad304_01314		BC002589	5701	PSMC2	no errors	hORFeome V8.1 Collection	5701	PSMC2	NM_002803.2	Full Length 100% match
ccsbBroadEn_01315	ccsbBroad304_01315		BC073165,BC106920	5702	PSMC3	no errors	hORFeome V8.1 Collection	5702	PSMC3	NM_002804.4	Full Length 100% match
ccsbBroadEn_01316	ccsbBroad304_01316		BC000343,BC014488	5704	PSMC4	no errors	hORFeome V8.1 Collection	5704	PSMC4	NM_006503.2	Full Length 100% match
ccsbBroadEn_01317	ccsbBroad304_01317		BC001932,BC002367	5705	PSMC5	no errors	hORFeome V8.1 Collection	5705	PSMC5	NM_002805.5	Full Length 100% match
ccsbBroadEn_01318	ccsbBroad304_01318		BC002997	5708	PSMD2	no errors	hORFeome V8.1 Collection	5708	PSMD2	NM_002808.3	Full Length 100% match
ccsbBroadEn_01319	ccsbBroad304_01319		BC000074	5709	PSMD3	no errors	hORFeome V8.1 Collection	5709	PSMD3	NM_002809.2	Full Length 100% match
ccsbBroadEn_01320	ccsbBroad304_01320		BC002365	5710	PSMD4	no errors	hORFeome V8.1 Collection	5710	PSMD4	NM_002810.2	Full Length 100% match



ccsbBroadEn_01321	ccsbBroad304_01321		BC014478	5711	PSMD5	no errors	hORFeome V8.1 Collection	5711	PSMD5	NM_005047.2	Full Length 100% match
ccsbBroadEn_01322	ccsbBroad304_01322		BC012606	5713	PSMD7	no errors	hORFeome V8.1 Collection	5713	PSMD7	NM_002811.3	Full Length 100% match
ccsbBroadEn_01323	ccsbBroad304_01323		BC002383	5715	PSMD9	no errors	hORFeome V8.1 Collection	5715	PSMD9	NM_002813.4	Full Length 100% match
ccsbBroadEn_01324	ccsbBroad304_01324		BC011960	5716	PSMD10	no errors	hORFeome V8.1 Collection	5716	PSMD10	NM_002814.2	Full Length 100% match
ccsbBroadEn_01325	ccsbBroad304_01325		BC019062	5718	PSMD12	no errors	hORFeome V8.1 Collection	5718	PSMD12	NM_002816.3	Full Length 100% match
ccsbBroadEn_01326	ccsbBroad304_01326		BC000352	5720	PSME1	no errors	hORFeome V8.1 Collection	5720	PSME1	NM_006263.2	Full Length 100% match
ccsbBroadEn_01327	ccsbBroad304_01327		BC063614	5723	PSPH	no errors	hORFeome V8.1 Collection	5723	PSPH	NM_004577.3	Full Length 100% match
ccsbBroadEn_01328	ccsbBroad304_01328		BC063000	5724	PTAFR	no errors	hORFeome V8.1 Collection	5724	PTAFR	NM_000952.4; NM_001164721.1; NM_001164722.1; NM_001164723.1	Full Length 100% match
ccsbBroadEn_01329	ccsbBroad304_01329		BC004383	5725	PTBP1	no errors	hORFeome V8.1 Collection	5725	PTBP1	NM_031991.3	Full Length 100% match
ccsbBroadEn_01330	ccsbBroad304_01330	454	BC104937	5726	TAS2R38	no errors	hORFeome V8.1 Collection	5726	TAS2R38	NM_176817.4	Full Length 100% match
ccsbBroadEn_01331	ccsbBroad304_01331	454	BC040968	5729	PTGDR	no errors	hORFeome V8.1 Collection	5729	PTGDR	NM_000953.2	Full Length 100% match
ccsbBroadEn_01332	ccsbBroad304_01332		BC113523	5734	PTGER4	no errors	hORFeome V8.1 Collection	5734	PTGER4	NM_000958.2	Full Length 100% match
ccsbBroadEn_01333	ccsbBroad304_01333			5737	PTGFR	no errors	hORFeome V8.1 Collection	5737	PTGFR	NM_000959.3	Full Length 100% match
ccsbBroadEn_01334	ccsbBroad304_01334	454	BC101809	5740	PTGIS	no errors	hORFeome V8.1 Collection	5740	PTGIS	NM_000961.3	Full Length 100% match
ccsbBroadEn_01335	ccsbBroad304_01335		BC096142	5741	PTH	no errors	hORFeome V8.1 Collection	5741	PTH	NM_000315.2	Full Length 100% match
ccsbBroadEn_01336	ccsbBroad304_01336		BC013734	5743	PTGS2	no errors	hORFeome V8.1 Collection	5743	PTGS2	NM_000963.2	Full Length 100% match
ccsbBroadEn_01337	ccsbBroad304_01337		BC005961	5744	PTHLH	no errors	hORFeome V8.1 Collection	5744	PTHLH	NM_002820.2; NM_198964.1	Full Length 100% match
ccsbBroadEn_01338	ccsbBroad304_01338		BC036811	5746	PTH2R	no errors	hORFeome V8.1 Collection	5746	PTH2R	NM_005048.2	Full Length 100% match
ccsbBroadEn_01339	ccsbBroad304_01339		BC003510,BC051265	5757	PTMA	no errors	hORFeome V8.1 Collection	5757	PTMA	NM_002823.4	Full Length 100% match
ccsbBroadEn_01340	ccsbBroad304_01340		BC008244	5771	PTPN2	no errors	hORFeome V8.1 Collection	5771	PTPN2	NM_080422.1	Full Length 100% match
ccsbBroadEn_01341	ccsbBroad304_01341		BC010674	5775	PTPN4	no errors	hORFeome V8.1 Collection	5775	PTPN4	NM_002830.2	Full Length 100% match
ccsbBroadEn_01342	ccsbBroad304_01342		BC002523,BC007667	5777	PTPN6	no errors	hORFeome V8.1 Collection	5777	PTPN6	NM_080548.4	Full Length 100% match
ccsbBroadEn_01343	ccsbBroad304_01343		BC010863	5780	PTPN9	no errors	hORFeome V8.1 Collection	5780	PTPN9	NM_002833.2	Full Length 100% match
ccsbBroadEn_01344	ccsbBroad304_01344		BC113859	5790	PTPRCAP	no errors	hORFeome V8.1 Collection	5790	PTPRCAP	NM_005608.2	Full Length 100% match
ccsbBroadEn_01345	ccsbBroad304_01345		BC126201,BC126203	5800	PTPRO	no errors	hORFeome V8.1 Collection	5800	PTPRO	NM_030667.1	Full Length 100% match
ccsbBroadEn_01346	ccsbBroad304_01346	454	BC110900	5801	PTPRR	no errors	hORFeome V8.1 Collection	5801	PTPRR	NM_130846.1	Full Length 100% match
ccsbBroadEn_01347	ccsbBroad304_01347		BC006837,BC009804	5810	RAD1	no errors	hORFeome V8.1 Collection	5810	RAD1	NM_002853.3	Full Length 100% match
ccsbBroadEn_01348	ccsbBroad304_01348		BC069300	5816	PVALB	no errors	hORFeome V8.1 Collection	5816	PVALB	NM_002854.2	Full Length 100% match
ccsbBroadEn_01349	ccsbBroad304_01349		BC113471	5818	PVRL1	no errors	hORFeome V8.1 Collection	5818	PVRL1	NM_002855.4	Full Length 100% match
ccsbBroadEn_01350	ccsbBroad304_01350		BC003091	5819	PVRL2	no errors	hORFeome V8.1 Collection	5819	PVRL2	NM_002856.2	Full Length 100% match
ccsbBroadEn_01351	ccsbBroad304_01351		BC000496	5824	PEX19	no errors	hORFeome V8.1 Collection	5824	PEX19	NM_002857.3	Full Length 100% match
ccsbBroadEn_01352	Failed LR reaction		BC005375	5828	PEX2	no errors	hORFeome V8.1 Collection	5828	PEX2	NM_000318.2; NM_001079867.1; NM_001172086.1; NM_001172087.1	Full Length 100% match
ccsbBroadEn_01353	ccsbBroad304_01353		BC000351	5833	PCYT2	no errors	hORFeome V8.1 Collection	5833	PCYT2	NM_002861.3	Full Length 100% match
ccsbBroadEn_01354	ccsbBroad304_01354		BC017045,BC030795	5834	PYGB	no errors	hORFeome V8.1 Collection	5834	PYGB	NM_002862.3	Full Length 100% match
ccsbBroadEn_01355	ccsbBroad304_01355		BC082229,BC110791	5836	PYGL	no errors	hORFeome V8.1 Collection	5836	PYGL	NM_002863.4	Full Length 100% match
ccsbBroadEn_01356	ccsbBroad304_01356		BC000576	5860	QDPR	no errors	hORFeome V8.1 Collection	5860	QDPR	NM_000320.2	Full Length 100% match
ccsbBroadEn_01357	ccsbBroad304_01357		BC000905	5861	RAB1A	no errors	hORFeome V8.1 Collection	5861	RAB1A	NM_004161.4	Full Length 100% match
ccsbBroadEn_01358	ccsbBroad304_01358		BC011782	5864	RAB3A	no errors	hORFeome V8.1 Collection	5864	RAB3A	NM_002866.4	Full Length 100% match
ccsbBroadEn_01359	ccsbBroad304_01359		BC022239	5866	RAB3L1	no errors	hORFeome V8.1 Collection	5866	RAB3L1	NM_013401.2	Full Length 100% match
ccsbBroadEn_01360	ccsbBroad304_01360		BC002438,BC004309	5867	RAB4A	no errors	hORFeome V8.1 Collection	5867	RAB4A	NM_004578.2	Full Length 100% match
ccsbBroadEn_01361	ccsbBroad304_01361		BC132800	5873	RAB27A	no errors	hORFeome V8.1 Collection	5873	RAB27A	NM_004580.3; NM_183234.1; NM_183236.1; NM_183235.1	Full Length 100% match
ccsbBroadEn_01362	ccsbBroad304_01362		BC027474	5874	RAB27B	no errors	hORFeome V8.1 Collection	5874	RAB27B	NM_004163.3	Full Length 100% match
ccsbBroadEn_01363	ccsbBroad304_01363		BC003093	5875	RABGGTA	no errors	hORFeome V8.1 Collection	5875	RABGGTA	NM_182836.1; NM_004581.3	Full Length 100% match
ccsbBroadEn_01364	ccsbBroad304_01364		BC020790	5876	RABGGTB	no errors	hORFeome V8.1 Collection	5876	RABGGTB	NM_004582.2	Full Length 100% match
ccsbBroadEn_01365	ccsbBroad304_01365		BC018488,BC037392	5877	RABIF	no errors	hORFeome V8.1 Collection	5877	RABIF	NM_002871.3	Full Length 100% match
ccsbBroadEn_01366	ccsbBroad304_01366		BC114439	5878	RAB5C	no errors	hORFeome V8.1 Collection	5878	RAB5C	NM_004583.2; NM_201434.1	Full Length 100% match
ccsbBroadEn_01367	ccsbBroad304_01367		BC050381	5885	RAD21	no errors	hORFeome V8.1 Collection	5885	RAD21	NM_006265.2	Full Length 100% match
ccsbBroadEn_01368	ccsbBroad304_01368		BC014026	5886	RAD23A	no errors	hORFeome V8.1 Collection	5886	RAD23A	NM_005053.2	Full Length 100% match
ccsbBroadEn_01369	ccsbBroad304_01369		BC030219	5890	RAD51L1	no errors	hORFeome V8.1 Collection	5890	RAD51L1	NM_133509.3	Full Length 100% match
ccsbBroadEn_01370	ccsbBroad304_01370		BC014422	5892	RAD51L3	no errors	hORFeome V8.1 Collection	5892	RAD51L3	NM_002878.3	Full Length 100% match
ccsbBroadEn_01371	ccsbBroad304_01371	454	BC039858	5898	RALA	no errors	hORFeome V8.1 Collection	5898	RALA	NM_005402.3	Full Length 100% match
ccsbBroadEn_01372	ccsbBroad304_01372		BC018163	5899	RALB	no errors	hORFeome V8.1 Collection	5899	RALB	NM_002881.2	Full Length 100% match
ccsbBroadEn_01373	ccsbBroad304_01373		BC014518,BC051908	5901	RAN	no errors	hORFeome V8.1 Collection	5901	RAN	NM_006325.3	Full Length 100% match
ccsbBroadEn_01374	ccsbBroad304_01374		BC014086	5906	RAP1A	no errors	hORFeome V8.1 Collection	5906	RAP1A	NM_002884.2; NM_001010935.1	Full Length 100% match
ccsbBroadEn_01375	ccsbBroad304_01375		BC008727	5914	RARA	no errors	hORFeome V8.1 Collection	5914	RARA	NM_001145301.2; NM_000964.3	Full Length 100% match
ccsbBroadEn_01376	ccsbBroad304_01376		BC060794	5915	RARB	no errors	hORFeome V8.1 Collection	5915	RARB	NM_000965.3	Full Length 100% match
ccsbBroadEn_01377	ccsbBroad304_01377	454	BC093729	5916	RARG	no errors	hORFeome V8.1 Collection	5916	RARG	NM_000966.4	Full Length 100% match
ccsbBroadEn_01378	ccsbBroad304_01378		BC033015	5921	RASA1	no errors	hORFeome V8.1 Collection	5921	RASA1	NM_002890.1	Full Length 100% match
ccsbBroadEn_01379	ccsbBroad304_01379		BC029352	5930	RBBP6	no errors	hORFeome V8.1 Collection	5930	RBBP6	NM_032626.5	Full Length 100% match
ccsbBroadEn_01380	ccsbBroad304_01380		BC114501	5931	RBBP7	no errors	hORFeome V8.1 Collection	5931	RBBP7	NM_002893.3	Full Length 100% match
ccsbBroadEn_01381	ccsbBroad304_01381		BC006825	5935	RBM3	no errors	hORFeome V8.1 Collection	5935	RBM3	NM_006743.3	Full Length 100% match
ccsbBroadEn_01382	ccsbBroad304_01382		BC032735	5936	RBM4	no errors	hORFeome V8.1 Collection	5936	RBM4	NM_002896.3	Full Length 100% match
ccsbBroadEn_01383	ccsbBroad304_01383		BC018951	5937	RBMS1	no errors	hORFeome V8.1 Collection	5937	RBMS1	NM_016836.3	Full Length 100% match
ccsbBroadEn_01384	ccsbBroad304_01384		BC010120	5954	RCN1	no errors	hORFeome V8.1 Collection	5954	RCN1	NM_002901.2	Full Length 100% match
ccsbBroadEn_01385	ccsbBroad304_01385		BC001720	5957	RCVRN	no errors	hORFeome V8.1 Collection	5957	RCVRN	NM_002903.2	Full Length 100% match
ccsbBroadEn_01386	ccsbBroad304_01386		BC005350	5967	REG1A	no errors	hORFeome V8.1 Collection	5967	REG1A	NM_002909.4	Full Length 100% match
ccsbBroadEn_01387	ccsbBroad304_01387		BC027895	5968	REG1B	no errors	hORFeome V8.1 Collection	5968	REG1B	NM_006507.3	Full Length 100% match
ccsbBroadEn_01388	ccsbBroad304_01388	454	BC028013	5971	RELB	no errors	hORFeome V8.1 Collection	5971	RELB	NM_006509.3	Full Length 100% match
ccsbBroadEn_01389	ccsbBroad304_01389		BC047752	5972	REN	no errors	hORFeome V8.1 Collection	5972	REN	NM_000537.3	Full Length 100% match
ccsbBroadEn_01390	ccsbBroad304_01390		BC014889	5977	DPF2	no errors	hORFeome V8.1 Collection	5977	DPF2	NM_006268.3	Full Length 100% match
ccsbBroadEn_01391	ccsbBroad304_01391		BC001866,BC013961	5985	RFC5	no errors	hORFeome V8.1 Collection	5985	RFC5	NM_007370.4	Full Length 100% match
ccsbBroadEn_01392	ccsbBroad304_01392		BC013580	5987	TRIM27	no errors	hORFeome V8.1 Collection	5987	TRIM27	NM_006510.4	Full Length 100% match
ccsbBroadEn_01393	ccsbBroad304_01393		BC022191	5991	RFX3	no errors	hORFeome V8.1 Collection	5991	RFX3	NM_134428.1	Full Length 100% match
ccsbBroadEn_01394	ccsbBroad304_01394		BC030644	5992	RFX4	no errors	hORFeome V8.1 Collection	5992	RFX4	NM_032491.4	Full Length 100% match
ccsbBroadEn_01395	ccsbBroad304_01395		BC017471	5993	RFX5	no errors	hORFeome V8.1 Collection	5993	RFX5	NM_000449.3; NM_001025603.1	Full Length 100% match
ccsbBroadEn_01396	ccsbBroad304_01396		BC000737,BC051869	5999	RGS4	no errors	hORFeome V8.1 Collection	5999	RGS4	NM_005613.5	Full Length 100% match
ccsbBroadEn_01397	ccsbBroad304_01397		BC016667,BC056866	6003	RGS13	no errors	hORFeome V8.1 Collection	6003	RGS13	NM_144766.2; NM_002927.4	Full Length 100% match



ccsbBroadEn_01398	ccsbBroad304_01398		BC016155	6009	RHEB	no errors	hORFeome V8.1 Collection	6009	RHEB	NM_005614.3	Full Length 100% match
ccsbBroadEn_01399	Failed LR reaction		BC005956	6013	RLN1	no errors	hORFeome V8.1 Collection	6013	RLN1	NM_006911.2	Full Length 100% match
ccsbBroadEn_01400	ccsbBroad304_01400		BC002922,BC051866	6015	RING1	no errors	hORFeome V8.1 Collection	6015	RING1	NM_002931.3	Full Length 100% match
ccsbBroadEn_01401	ccsbBroad304_01401		BC104186	6016	RIT1	no errors	hORFeome V8.1 Collection	6016	RIT1	NM_006912.4	Full Length 100% match
ccsbBroadEn_01402	ccsbBroad304_01402		BC004199	6017	RLBP1	no errors	hORFeome V8.1 Collection	6017	RLBP1	NM_000326.4	Full Length 100% match
ccsbBroadEn_01403	ccsbBroad304_01403		BC126415,BC126419	6019	RLN2	no errors	hORFeome V8.1 Collection	6019	RLN2	NM_134441.1	Full Length 100% match
ccsbBroadEn_01404	ccsbBroad304_01404		BC005324	6035	RNASE1	no errors	hORFeome V8.1 Collection	6035	RNASE1	NM_198232.1; NM_002933.4; NM_198234.2; NM_198235.2	Full Length 100% match
ccsbBroadEn_01405	ccsbBroad304_01405	454	BC093678	6036	RNASE2	no errors	hORFeome V8.1 Collection	6036	RNASE2	NM_002934.2	Full Length 100% match
ccsbBroadEn_01406	ccsbBroad304_01406		BC015520	6038	RNASE4	no errors	hORFeome V8.1 Collection	6038	RNASE4	NM_002937.3; NM_194431.1	Full Length 100% match
ccsbBroadEn_01407	ccsbBroad304_01407		BC020848	6039	RNASE6	no errors	hORFeome V8.1 Collection	6039	RNASE6	NM_005615.4	Full Length 100% match
ccsbBroadEn_01408	ccsbBroad304_01408		BC004155	6048	RNF5	no errors	hORFeome V8.1 Collection	6048	RNF5	NM_006913.3	Full Length 100% match
ccsbBroadEn_01409	ccsbBroad304_01409		BC034688	6049	RNF6	no errors	hORFeome V8.1 Collection	6049	RNF6	NM_183044.1; NM_005977.3; NM_183043.2 NM_002940.2;	Full Length 100% match
ccsbBroadEn_01410	ccsbBroad304_01410		BC016283	6059	ABCE1	no errors	hORFeome V8.1 Collection	6059	ABCE1	NM_001040876.1	Full Length 100% match
ccsbBroadEn_01411	ccsbBroad304_01411		BC031554	6097	RORC	no errors	hORFeome V8.1 Collection	6097	RORC	NM_005060.3	Full Length 100% match
ccsbBroadEn_01412	ccsbBroad304_01412		BC043348,BC053530	6102	RP2	no errors	hORFeome V8.1 Collection	6102	RP2	NM_006915.2	Full Length 100% match
ccsbBroadEn_01413	ccsbBroad304_01413		BC001630,BC021257	6118	RPA2	no errors	hORFeome V8.1 Collection	6118	RPA2	NM_002946.3	Full Length 100% match
ccsbBroadEn_01414	ccsbBroad304_01414		BC005148,BC016764	6120	RPE	no errors	hORFeome V8.1 Collection	6120	RPE	NM_199229.1	Full Length 100% match
ccsbBroadEn_01415	ccsbBroad304_01415	454	BC075035	6121	RPE65	no errors	hORFeome V8.1 Collection	6121	RPE65	NM_000329.2	Full Length 100% match
ccsbBroadEn_01416	ccsbBroad304_01416		BC001365,BC066925	6124	RPL4	no errors	hORFeome V8.1 Collection	6124	RPL4	NM_000968.2	Full Length 100% match
ccsbBroadEn_01417	ccsbBroad304_01417		BC004138,BC032299	6128	RPL6	no errors	hORFeome V8.1 Collection	6128	RPL6	NM_000970.3; NM_001024662.1	Full Length 100% match
ccsbBroadEn_01418	ccsbBroad304_01418	454	BC006095,BC009599	6129	RPL7	no errors	hORFeome V8.1 Collection	6129	RPL7	NM_000971.3	Full Length 100% match
ccsbBroadEn_01419	ccsbBroad304_01419		BC000077	6132	RPL8	no errors	hORFeome V8.1 Collection	6132	RPL8	NM_033301.1; NM_000973.3	Full Length 100% match
ccsbBroadEn_01420	ccsbBroad304_01420		BC066318	6133	RPL9	no errors	hORFeome V8.1 Collection	6133	RPL9	NM_001024921.2; NM_000661.4	Full Length 100% match
ccsbBroadEn_01421	ccsbBroad304_01421		BC018970	6135	RPL11	no errors	hORFeome V8.1 Collection	6135	RPL11	NM_001199802.1	Full Length 100% match
ccsbBroadEn_01422	ccsbBroad304_01422		BC071672	6138	RPL15	no errors	hORFeome V8.1 Collection	6138	RPL15	NM_002948.2	Full Length 100% match
ccsbBroadEn_01423	ccsbBroad304_01423		BC000530,BC013016	6143	RPL19	no errors	hORFeome V8.1 Collection	6143	RPL19	NM_000981.3	Full Length 100% match
ccsbBroadEn_01424	ccsbBroad304_01424	454	BC001603,BC071902	6144	RPL21	no errors	hORFeome V8.1 Collection	6144	RPL21	NM_000982.3	Full Length 100% match
ccsbBroadEn_01425	ccsbBroad304_01425	454	BC058887	6146	RPL22	no errors	hORFeome V8.1 Collection	6146	RPL22	NM_000983.3	Full Length 100% match
ccsbBroadEn_01426	ccsbBroad304_01426		BC027710	6150	MRPL23	no errors	hORFeome V8.1 Collection	6150	MRPL23	NM_021134.3	Full Length 100% match
ccsbBroadEn_01427	ccsbBroad304_01427		BC000690	6152	RPL24	no errors	hORFeome V8.1 Collection	6152	RPL24	NM_000986.3	Full Length 100% match
ccsbBroadEn_01428	ccsbBroad304_01428	454	BC071664	6154	RPL26	no errors	hORFeome V8.1 Collection	6154	RPL26	NM_000987.3	Full Length 100% match
ccsbBroadEn_01429	ccsbBroad304_01429		BC001700,BC010026	6155	RPL27	no errors	hORFeome V8.1 Collection	6155	RPL27	NM_000988.3	Full Length 100% match
ccsbBroadEn_01430	ccsbBroad304_01430		BC032700	6156	RPL30	no errors	hORFeome V8.1 Collection	6156	RPL30	NM_000989.2	Full Length 100% match
ccsbBroadEn_01431	ccsbBroad304_01431		BC005326	6157	RPL27A	no errors	hORFeome V8.1 Collection	6157	RPL27A	NM_000990.4	Full Length 100% match
ccsbBroadEn_01432	ccsbBroad304_01432		BC010173,BC011582	6158	RPL28	no errors	hORFeome V8.1 Collection	6158	RPL28	NM_000991.4	Full Length 100% match
ccsbBroadEn_01433	ccsbBroad304_01433		BC017343	6160	RPL31	no errors	hORFeome V8.1 Collection	6160	RPL31	NM_000993.4	Full Length 100% match
ccsbBroadEn_01434	ccsbBroad304_01434		BC011514	6161	RPL32	no errors	hORFeome V8.1 Collection	6161	RPL32	NM_000994.3; NM_001007073.1; NM_001007074.1	Full Length 100% match
ccsbBroadEn_01435	ccsbBroad304_01435		BC001773	6164	RPL34	no errors	hORFeome V8.1 Collection	6164	RPL34	NM_000995.3; NM_033625.2	Full Length 100% match
ccsbBroadEn_01436	ccsbBroad304_01436		BC001037,BC061890	6165	RPL35A	no errors	hORFeome V8.1 Collection	6165	RPL35A	NM_000996.2	Full Length 100% match
ccsbBroadEn_01437	ccsbBroad304_01437		BC000741,BC003145	6166	RPL36AL	no errors	hORFeome V8.1 Collection	6166	RPL36AL	NM_001001.3	Full Length 100% match
ccsbBroadEn_01438	ccsbBroad304_01438	454	BC079477	6167	RPL37	no errors	hORFeome V8.1 Collection	6167	RPL37	NM_000997.4	Full Length 100% match
ccsbBroadEn_01439	ccsbBroad304_01439		BC014262,BC016748	6168	RPL37A	no errors	hORFeome V8.1 Collection	6168	RPL37A	NM_000998.4	Full Length 100% match
ccsbBroadEn_01440	ccsbBroad304_01440		BC001019	6170	RPL39	no errors	hORFeome V8.1 Collection	6170	RPL39	NM_001000.2	Full Length 100% match
ccsbBroadEn_01441	ccsbBroad304_01441		BC000087,BC015690	6175	RPLP0	no errors	hORFeome V8.1 Collection	6175	RPLP0	NM_001002.3; NM_053275.3	Full Length 100% match
ccsbBroadEn_01442	ccsbBroad304_01442		BC005354,BC062314	6181	RPLP2	no errors	hORFeome V8.1 Collection	6181	RPLP2	NM_001004.3	Full Length 100% match
ccsbBroadEn_01443	ccsbBroad304_01443		BC002344,BC007497	6182	MRPL12	no errors	hORFeome V8.1 Collection	6182	MRPL12	NM_002949.3	Full Length 100% match
ccsbBroadEn_01444	ccsbBroad304_01444	454	BC001617,BC007499	6183	MRPS12	no errors	hORFeome V8.1 Collection	6183	MRPS12	NM_021107.1; NM_033362.3; NM_033363.1	Full Length 100% match
ccsbBroadEn_01445	ccsbBroad304_01445		BC003137,BC034149	6188	RPS3	no errors	hORFeome V8.1 Collection	6188	RPS3	NM_001005.3	Full Length 100% match
ccsbBroadEn_01446	ccsbBroad304_01446		BC000204,BC030161	6189	RPS3A	no errors	hORFeome V8.1 Collection	6189	RPS3A	NM_001006.3	Full Length 100% match
ccsbBroadEn_01447	ccsbBroad304_01447		BC096301	6197	RPS6KA3	no errors	hORFeome V8.1 Collection	6197	RPS6KA3	NM_004586.2	Full Length 100% match
ccsbBroadEn_01448	ccsbBroad304_01448		BC002866,BC061901	6201	RPS7	no errors	hORFeome V8.1 Collection	6201	RPS7	NM_001011.3	Full Length 100% match
ccsbBroadEn_01449	ccsbBroad304_01449		BC070875	6202	RPS8	no errors	hORFeome V8.1 Collection	6202	RPS8	NM_001012.1	Full Length 100% match
ccsbBroadEn_01450	ccsbBroad304_01450		BC001032,BC005012	6204	RPS10	no errors	hORFeome V8.1 Collection	6204	RPS10	NM_001014.3	Full Length 100% match
ccsbBroadEn_01451	ccsbBroad304_01451		BC007283,BC016378	6205	RPS11	no errors	hORFeome V8.1 Collection	6205	RPS11	NM_001015.3	Full Length 100% match
ccsbBroadEn_01452	ccsbBroad304_01452		BC000475,BC029732	6207	RPS13	no errors	hORFeome V8.1 Collection	6207	RPS13	NM_001017.2	Full Length 100% match
ccsbBroadEn_01453	ccsbBroad304_01453		BC001126,BC006784	6208	RPS14	no errors	hORFeome V8.1 Collection	6208	RPS14	NM_005617.3; NM_001025071.1; NM_001025070.1	Full Length 100% match
ccsbBroadEn_01454	ccsbBroad304_01454		BC030569,BC046113	6210	RPS15A	no errors	hORFeome V8.1 Collection	6210	RPS15A	NM_001019.4; NM_001030009.1;	Full Length 100% match
ccsbBroadEn_01455	ccsbBroad304_01455		BC004324	6217	RPS16	no errors	hORFeome V8.1 Collection	6217	RPS16	NM_001020.4	Full Length 100% match
ccsbBroadEn_01456	ccsbBroad304_01456	454	BC106063	6222	RPS18	no errors	hORFeome V8.1 Collection	6222	RPS18	NM_022551.2	Full Length 100% match
ccsbBroadEn_01457	ccsbBroad304_01457		BC000023,BC018616	6223	RPS19	no errors	hORFeome V8.1 Collection	6223	RPS19	NM_001022.3	Full Length 100% match
ccsbBroadEn_01458	ccsbBroad304_01458		BC007507	6224	RPS20	no errors	hORFeome V8.1 Collection	6224	RPS20	NM_001023.3	Full Length 100% match
ccsbBroadEn_01459	ccsbBroad304_01459		BC000523	6229	RPS24	no errors	hORFeome V8.1 Collection	6229	RPS24	NM_033022.3	Full Length 100% match
ccsbBroadEn_01460	ccsbBroad304_01460		BC003537,BC004986	6230	RPS25	no errors	hORFeome V8.1 Collection	6230	RPS25	NM_001028.2	Full Length 100% match
ccsbBroadEn_01461	ccsbBroad304_01461		BC002604,BC015832	6231	RPS26	no errors	hORFeome V8.1 Collection	6231	RPS26	NM_001029.3	Full Length 100% match
ccsbBroadEn_01462	ccsbBroad304_01462		BC002658	6232	RPS27	no errors	hORFeome V8.1 Collection	6232	RPS27	NM_001030.4	Full Length 100% match
ccsbBroadEn_01463	ccsbBroad304_01463		BC001392	6233	RPS27A	no errors	hORFeome V8.1 Collection	6233	RPS27A	NM_001135592.2; NM_002954.5;	Full Length 100% match
ccsbBroadEn_01464	ccsbBroad304_01464		BC000354,BC021239	6234	RPS28	no errors	hORFeome V8.1 Collection	6234	RPS28	NM_001177413.1	Full Length 100% match
ccsbBroadEn_01465	ccsbBroad304_01465		BC032813,BC035313	6235	RPS29	no errors	hORFeome V8.1 Collection	6235	RPS29	NM_001031.4	Full Length 100% match
ccsbBroadEn_01466	ccsbBroad304_01466		BC001886,BC030154	6241	RRM2	no errors	hORFeome V8.1 Collection	6241	RRM2	NM_001034.3	Full Length 100% match
ccsbBroadEn_01467	ccsbBroad304_01467		BC017727	6242	RTKN	no errors	hORFeome V8.1 Collection	6242	RTKN	NM_033046.2	Full Length 100% match
ccsbBroadEn_01468	Failed LR reaction		BC004558	6242	RTKN	no errors	hORFeome V8.1 Collection	6242	RTKN	NM_001015055.1	Full Length 100% match
ccsbBroadEn_01469	ccsbBroad304_01469		BC005993,BC015644	6251	RSU1	no errors	hORFeome V8.1 Collection	6251	RSU1	NM_012425.3	Full Length 100% match



ccsbBroadEn_01470	ccsbBroad304_01470		BC012063	6258	RXRG	no errors	hORFeome V8.1 Collection	6258	RXRG	NM_006917.4	Full Length 100% match
ccsbBroadEn_01471	ccsbBroad304_01471		BC014392	6271	S100A1	no errors	hORFeome V8.1 Collection	6271	S100A1	NM_006271.1	Full Length 100% match
ccsbBroadEn_01472	ccsbBroad304_01472		BC002829	6273	S100A2	no errors	hORFeome V8.1 Collection	6273	S100A2	NM_005978.3	Full Length 100% match
ccsbBroadEn_01473	ccsbBroad304_01473		BC012893	6274	S100A3	no errors	hORFeome V8.1 Collection	6274	S100A3	NM_002960.1	Full Length 100% match
ccsbBroadEn_01474	Failed LR reaction		BC016300	6275	S100A4	no errors	hORFeome V8.1 Collection	6275	S100A4	NM_002961.2;	Full Length 100% match
ccsbBroadEn_01475	ccsbBroad304_01475		BC001431,BC009017	6277	S100A6	no errors	hORFeome V8.1 Collection	6277	S100A6	NM_019554.2	Full Length 100% match
ccsbBroadEn_01476	ccsbBroad304_01476		BC005928	6279	S100A8	no errors	hORFeome V8.1 Collection	6279	S100A8	NM_014624.3	Full Length 100% match
ccsbBroadEn_01477	ccsbBroad304_01477	454	BC047681	6280	S100A9	no errors	hORFeome V8.1 Collection	6280	S100A9	NM_002964.4	Full Length 100% match
ccsbBroadEn_01478	ccsbBroad304_01478		BC001410,BC014354	6282	S100A11	no errors	hORFeome V8.1 Collection	6282	S100A11	NM_002965.3	Full Length 100% match
ccsbBroadEn_01479	ccsbBroad304_01479		BC070294	6283	S100A12	no errors	hORFeome V8.1 Collection	6283	S100A12	NM_005620.1	Full Length 100% match
ccsbBroadEn_01480	ccsbBroad304_01480		BC006819	6286	S100P	no errors	hORFeome V8.1 Collection	6286	S100P	NM_005621.1	Full Length 100% match
ccsbBroadEn_01481	ccsbBroad304_01481		BC000716	6301	SARS	no errors	hORFeome V8.1 Collection	6301	SARS	NM_005980.2	Full Length 100% match
ccsbBroadEn_01482	ccsbBroad304_01482		BC010377	6302	TSPAN31	no errors	hORFeome V8.1 Collection	6302	TSPAN31	NM_006513.3	Full Length 100% match
ccsbBroadEn_01483	ccsbBroad304_01483		BC002503,BC008424	6303	SAT1	no errors	hORFeome V8.1 Collection	6303	SAT1	NM_005981.3	Full Length 100% match
ccsbBroadEn_01484	ccsbBroad304_01484		BC001744	6304	SATB1	no errors	hORFeome V8.1 Collection	6304	SATB1	NM_002971.4;	Full Length 100% match
ccsbBroadEn_01485	ccsbBroad304_01485		BC012333	6309	SC5DL	no errors	hORFeome V8.1 Collection	6309	SC5DL	NM_001131010.2	Full Length 100% match
ccsbBroadEn_01486	ccsbBroad304_01486		BC117125	6310	ATXN1	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	6310	ATXN1	NM_006918.4;	Full Length 100% match
ccsbBroadEn_01487	ccsbBroad304_01487		BC005224	6317	SERPINB3	no errors	hORFeome V8.1 Collection	6317	SERPINB3	NM_001024956.2	Full Length 100% match
ccsbBroadEn_01488	ccsbBroad304_01488		BC017401	6318	SERPINB4	no errors	hORFeome V8.1 Collection	6318	SERPINB4	NM_000332.3	Full Length 100% match
ccsbBroadEn_01489	ccsbBroad304_01489		BC005810	6320	CLEC11A	no errors	hORFeome V8.1 Collection	6320	CLEC11A	NM_006919.2	Full Length 100% match
ccsbBroadEn_01490	ccsbBroad304_01490		BC036793	6327	SCN2B	no errors	hORFeome V8.1 Collection	6327	SCN2B	NM_002974.2	Full Length 100% match
ccsbBroadEn_01491	ccsbBroad304_01491		BC125074	6339	SCNN1D	no errors	hORFeome V8.1 Collection	6339	SCNN1D	NM_002975.2	Full Length 100% match
ccsbBroadEn_01492	ccsbBroad304_01492		BC059391	6340	SCNN1G	no errors	hORFeome V8.1 Collection	6340	SCNN1G	NM_004588.4	Full Length 100% match
ccsbBroadEn_01493	ccsbBroad304_01493		BC015504	6341	SCO1	no errors	hORFeome V8.1 Collection	6341	SCO1	NM_002978.2	Full Length 100% match
ccsbBroadEn_01494	ccsbBroad304_01494		BC067108	6342	SCP2	no errors	hORFeome V8.1 Collection	6342	SCP2	NM_001039.3	Full Length 100% match
ccsbBroadEn_01495	ccsbBroad304_01495		BC009716	6347	CCL2	no errors	hORFeome V8.1 Collection	6347	CCL2	NM_004589.2	Full Length 100% match
ccsbBroadEn_01496	ccsbBroad304_01496		BC027888	6349	CCL3L1	no errors	hORFeome V8.1 Collection	6349; 414062	CCL3L1; CCL3L3	NM_002982.3	Full Length 100% match
ccsbBroadEn_01497	ccsbBroad304_01497	454	BC027888	6349	CCL3L1	no errors	hORFeome V8.1 Collection	6349; 414062	CCL3L1; CCL3L3	NM_021006.4;	Full Length 100% match
ccsbBroadEn_01498	ccsbBroad304_01498		BC008600	6352	CCL5	no errors	hORFeome V8.1 Collection	6352	CCL5	NM_001001437.3	Full Length 100% match
ccsbBroadEn_01499	ccsbBroad304_01499		BC112258,BC112260	6354	CCL7	no errors	hORFeome V8.1 Collection	6354	CCL7	NM_001001437.3;	Full Length 100% match
ccsbBroadEn_01500	ccsbBroad304_01500		BC008621	6357	CCL13	no errors	hORFeome V8.1 Collection	6357	CCL13	NM_021006.4	Full Length 100% match
ccsbBroadEn_01501	ccsbBroad304_01501		BC038289,BC045165	6358	CCL14	no errors	hORFeome V8.1 Collection	6358	CCL14	NM_002985.2	Full Length 100% match
ccsbBroadEn_01502	ccsbBroad304_01502		BC099662	6360	CCL16	no errors	hORFeome V8.1 Collection	6360	CCL16	NM_006273.2	Full Length 100% match
ccsbBroadEn_01503	ccsbBroad304_01503		BC069700	6362	CCL18	no errors	hORFeome V8.1 Collection	6362	CCL18	NM_005408.2	Full Length 100% match
ccsbBroadEn_01504	ccsbBroad304_01504		BC027968	6363	CCL19	no errors	hORFeome V8.1 Collection	6363	CCL19	NM_032963.3	Full Length 100% match
ccsbBroadEn_01505	ccsbBroad304_01505		BC027918	6366	CCL21	no errors	hORFeome V8.1 Collection	6366	CCL21	NM_004590.2	Full Length 100% match
ccsbBroadEn_01506	ccsbBroad304_01506		BC013744	6372	CXCL6	no errors	hORFeome V8.1 Collection	6372	CXCL6	NM_002988.2	Full Length 100% match
ccsbBroadEn_01507	ccsbBroad304_01507		BC005292	6373	CXCL11	no errors	hORFeome V8.1 Collection	6373	CXCL11	NM_006274.2	Full Length 100% match
ccsbBroadEn_01508	ccsbBroad304_01508		BC008376	6374	CXCL5	no errors	hORFeome V8.1 Collection	6374	CXCL5	NM_002989.2	Full Length 100% match
ccsbBroadEn_01509	ccsbBroad304_01509		BC070309	6375	XCL1	no errors	hORFeome V8.1 Collection	6375	XCL1	NM_002993.3	Full Length 100% match
ccsbBroadEn_01510	ccsbBroad304_01510		BC001163,BC016164	6376	CX3CL1	no errors	hORFeome V8.1 Collection	6376	CX3CL1	NM_005409.4	Full Length 100% match
ccsbBroadEn_01511	ccsbBroad304_01511		BC030805	6385	SDC4	no errors	hORFeome V8.1 Collection	6385	SDC4	NM_002994.3	Full Length 100% match
ccsbBroadEn_01512	ccsbBroad304_01512		BC113674,BC113676	6386	SDCBP	no errors	hORFeome V8.1 Collection	6386	SDCBP	NM_002995.2	Full Length 100% match
ccsbBroadEn_01513	ccsbBroad304_01513		BC000500,BC001406	6388	SDF2	no errors	hORFeome V8.1 Collection	6388	SDF2	NM_001007067.1;	Full Length 100% match
ccsbBroadEn_01514	ccsbBroad304_01514		BC033626	6391	SDHC	no errors	hORFeome V8.1 Collection	6391	SDHC	NM_005625.3	Full Length 100% match
ccsbBroadEn_01515	ccsbBroad304_01515		BC005263,BC022350	6392	SDHD	no errors	hORFeome V8.1 Collection	6392	SDHD	NM_006923.2	Full Length 100% match
ccsbBroadEn_01516	ccsbBroad304_01516		BC002634	6396	SEC13	no errors	hORFeome V8.1 Collection	6396	SEC13	NM_003001.3	Full Length 100% match
ccsbBroadEn_01517	ccsbBroad304_01517		BC131551	6401	SELE	no errors	hORFeome V8.1 Collection	6401	SELE	NM_003002.2	Full Length 100% match
ccsbBroadEn_01518	ccsbBroad304_01518		BC029782	6404	SELP1G	no errors	hORFeome V8.1 Collection	6404	SELP1G	NM_183352.1	Full Length 100% match
ccsbBroadEn_01519	ccsbBroad304_01519		BC032749	6418	SET	no errors	hORFeome V8.1 Collection	6418	SET	NM_000450.2	Full Length 100% match
ccsbBroadEn_01520	ccsbBroad304_01520	454	BC036503	6422	SFRP1	no errors	hORFeome V8.1 Collection	6422	SFRP1	NM_003006.3	Full Length 100% match
ccsbBroadEn_01521	ccsbBroad304_01521		BC010264	6426	SRSF1	no errors	hORFeome V8.1 Collection	6426	SRSF1	NM_003011.3	Full Length 100% match
ccsbBroadEn_01522	ccsbBroad304_01522	454	BC000914,BC069018	6428	SRSF3	no errors	hORFeome V8.1 Collection	6428	SRSF3	NM_003012.4	Full Length 100% match
ccsbBroadEn_01523	ccsbBroad304_01523		BC002781	6429	SRSF4	no errors	hORFeome V8.1 Collection	6429	SRSF4	NM_006924.4	Full Length 100% match
ccsbBroadEn_01524	ccsbBroad304_01524		BC018823	6430	SRSF5	no errors	hORFeome V8.1 Collection	6430	SRSF5	NM_005626.4	Full Length 100% match
ccsbBroadEn_01525	ccsbBroad304_01525		BC000997,BC022328	6432	SRSF7	no errors	hORFeome V8.1 Collection	6432	SRSF7	NM_006925.3;	Full Length 100% match
ccsbBroadEn_01526	ccsbBroad304_01526		BC025702	6442	SGCA	no errors	hORFeome V8.1 Collection	6442	SGCA	NM_001039465.1	Full Length 100% match
ccsbBroadEn_01527	ccsbBroad304_01527		BC001263	6446	SGK1	no errors	hORFeome V8.1 Collection	6446	SGK1	NM_001031684.2	Full Length 100% match
ccsbBroadEn_01528	ccsbBroad304_01528		BC000390,BC008885	6449	SGTA	no errors	hORFeome V8.1 Collection	6449	SGTA	NM_000023.2	Full Length 100% match
ccsbBroadEn_01529	ccsbBroad304_01529		BC016709	6451	SH3BGRL	no errors	hORFeome V8.1 Collection	6451	SH3BGRL	NM_005627.3	Full Length 100% match
ccsbBroadEn_01530	ccsbBroad304_01530	454	BC112186	6462	SHBG	no errors	hORFeome V8.1 Collection	6462	SHBG	NM_003021.3	Full Length 100% match
ccsbBroadEn_01531	ccsbBroad304_01531		BC014158	6464	SHC1	no errors	hORFeome V8.1 Collection	6464	SHC1	NM_003022.2	Full Length 100% match
ccsbBroadEn_01532	ccsbBroad304_01532		BC042550	6477	SIAH1	no errors	hORFeome V8.1 Collection	6477	SIAH1	NM_001040.3	Full Length 100% match
ccsbBroadEn_01533	ccsbBroad304_01533		BC036777	6483	ST3GAL2	no errors	hORFeome V8.1 Collection	6483	ST3GAL2	NM_000450.2	Full Length 100% match
ccsbBroadEn_01534	ccsbBroad304_01534		BC050380	6487	ST3GAL3	no errors	hORFeome V8.1 Collection	6487	ST3GAL3	NM_003006.3	Full Length 100% match
ccsbBroadEn_01535	ccsbBroad304_01535		BC117285,BC126162	6489	ST8SIA1	no errors	hORFeome V8.1 Collection	6489	ST8SIA1	NM_006927.3	Full Length 100% match
ccsbBroadEn_01536	ccsbBroad304_01536		BC110444	6493	SIM2	no errors	hORFeome V8.1 Collection	6493	SIM2	NM_006279.2	Full Length 100% match
ccsbBroadEn_01537	ccsbBroad304_01537		BC009839,BC020798	6500	SKP1	no errors	hORFeome V8.1 Collection	6500	SKP1	NM_003034.3	Full Length 100% match
ccsbBroadEn_01538	ccsbBroad304_01538		BC001441,BC007441	6502	SKP2	no errors	hORFeome V8.1 Collection	6502	SKP2	NM_009586.2	Full Length 100% match
ccsbBroadEn_01539	ccsbBroad304_01539		BC132792	6504	SLAMF1	no errors	hORFeome V8.1 Collection	6504	SLAMF1	NM_170679.2	Full Length 100% match
ccsbBroadEn_01540	ccsbBroad304_01540	454	BC118590	6513	SLC2A1	no errors	hORFeome V8.1 Collection	6513	SLC2A1	NM_032637.2	Full Length 100% match
ccsbBroadEn_01541	ccsbBroad304_01541		BC039196	6515	SLC2A3	no errors	hORFeome V8.1 Collection	6515	SLC2A3	NM_003037.2	Full Length 100% match
ccsbBroadEn_01542	ccsbBroad304_01542		BC069615,BC069621	6517	SLC2A4	1 synonymous error	hORFeome V8.1 Collection	6517	SLC2A4	NM_006516.2	Full Length 100% match
ccsbBroadEn_01543	ccsbBroad304_01543		BC001692	6518	SLC2A5	no errors	hORFeome V8.1 Collection	6518	SLC2A5	NM_006931.2	Full Length 100% match
ccsbBroadEn_01544	ccsbBroad304_01544		BC035878	6518	SLC2A5	no errors	hORFeome V8.1 Collection	6518	SLC2A5	NM_001042.2	Full Length 100% match
ccsbBroadEn_01545	ccsbBroad304_01545		BC001061,BC003000	6520	SLC3A2	no errors	hORFeome V8.1 Collection	6520	SLC3A2	NM_003039.2	Full Length 100% match
ccsbBroadEn_01546	ccsbBroad304_01546		BC063303,BC069358	6541	SLC7A1	no errors	hORFeome V8.1 Collection	6541	SLC7A1	NM_001135585.1	Full Length 100% match
ccsbBroadEn_01547	ccsbBroad304_01547	454	BC142671	6553	SLC9A5	no errors	hORFeome V8.1 Collection	6553	SLC9A5	NM_001013251.2	Full Length 100% match
ccsbBroadEn_01548	ccsbBroad304_01548		BC069799,BC069822	6554	SLC10A1	no errors	hORFeome V8.1 Collection	6554	SLC10A1	NM_003045.4	Full Length 100% match
ccsbBroadEn_01549	ccsbBroad304_01549		BC130521,BC130523	6555	SLC10A2	no errors	hORFeome V8.1 Collection	6555	SLC10A2	NM_003049.3	Full Length 100% match
ccsbBroadEn_01550	ccsbBroad304_01550		BC108928	6571	SLC18A2	no errors	hORFeome V8.1 Collection	6571	SLC18A2	NM_000452.2	Full Length 100% match
ccsbBroadEn_01551	ccsbBroad304_01551		BC019944	6574	SLC20A1	no errors	hORFeome V8.1 Collection	6574	SLC20A1	NM_003054.4	Full Length 100% match
ccsbBroadEn_01552	ccsbBroad304_01552	454	BC041140,BC051347	6578	SLCO2A1	no errors	hORFeome V8.1 Collection	6578	SLCO2A1	NM_005415.3	Full Length 100% match
ccsbBroadEn_01553	Failed LR reaction		BC094685,BC113987	6588	SLN	no errors	hORFeome V8.1 Collection	6588	SLN	NM_005630.2	Full Length 100% match
ccsbBroadEn_01554	ccsbBroad304_01554		BC020708	6590	SLPI	no errors	hORFeome V8.1 Collection	6590	SLPI	NM_003063.2	Full Length 100% match



ccsbBroadEn_01555	ccsbBroad304_01555		BC014890,BC015895	6591	SNAI2	no errors	hORFeome V8.1 Collection	6591	SNAI2	NM_003068.3	Full Length 100% match
ccsbBroadEn_01556	ccsbBroad304_01556		BC117114	6598	SMARCB1	no errors	hORFeome V8.1 Collection	6598	SMARCB1	NM_001007468.1	Full Length 100% match
ccsbBroadEn_01557	ccsbBroad304_01557		BC009368	6602	SMARCD1	no errors	hORFeome V8.1 Collection	6602	SMARCD1	NM_003076.4	Full Length 100% match
ccsbBroadEn_01558	ccsbBroad304_01558		BC016775,BC062713	6613	SUMO2	no errors	hORFeome V8.1 Collection	6613	SUMO2	NM_006937.3	Full Length 100% match
ccsbBroadEn_01559	ccsbBroad304_01559		BC012910	6615	SNAI1	no errors	hORFeome V8.1 Collection	6615	SNAI1	NM_005985.3	Full Length 100% match
ccsbBroadEn_01560	ccsbBroad304_01560		BC014984,BC019038	6617	SNAPC1	no errors	hORFeome V8.1 Collection	6617	SNAPC1	NM_003082.3	Full Length 100% match
ccsbBroadEn_01561	ccsbBroad304_01561		BC011868	6618	SNAPC2	no errors	hORFeome V8.1 Collection	6618	SNAPC2	NM_003083.3	Full Length 100% match
ccsbBroadEn_01562	ccsbBroad304_01562		BC121011	6619	SNAPC3	no errors	hORFeome V8.1 Collection	6619	SNAPC3	NM_001039697.1	Full Length 100% match
ccsbBroadEn_01563	ccsbBroad304_01563		BC013293	6622	SNCA	no errors	hORFeome V8.1 Collection	6622	SNCA	NM_000345.3; NM_001146054.1;	Full Length 100% match
ccsbBroadEn_01564	ccsbBroad304_01564		BC014098	6623	SNCG	no errors	hORFeome V8.1 Collection	6623	SNCG	NM_003087.2	Full Length 100% match
ccsbBroadEn_01565	ccsbBroad304_01565		BC000521,BC007948	6624	FSCN1	no errors	hORFeome V8.1 Collection	6624	FSCN1	NM_003088.2	Full Length 100% match
ccsbBroadEn_01566	ccsbBroad304_01566		BC000405,BC008290	6626	SNRPA	no errors	hORFeome V8.1 Collection	6626	SNRPA	NM_004596.4	Full Length 100% match
ccsbBroadEn_01567	ccsbBroad304_01567		BC022816	6627	SNRPA1	no errors	hORFeome V8.1 Collection	6627	SNRPA1	NM_003090.2	Full Length 100% match
ccsbBroadEn_01568	ccsbBroad304_01568		BC080516	6628	SNRPB	no errors	hORFeome V8.1 Collection	6628	SNRPB	NM_003091.3	Full Length 100% match
ccsbBroadEn_01569	ccsbBroad304_01569		BC018022,BC036737	6629	SNRPB2	no errors	hORFeome V8.1 Collection	6629	SNRPB2	NM_198220.2; NM_003092.4	Full Length 100% match
ccsbBroadEn_01570	ccsbBroad304_01570		BC121082,CCSB53235	6631	SNRPC	no errors	hORFeome V8.1 Collection	6631	SNRPC	NM_003093.2	Full Length 100% match
ccsbBroadEn_01571	ccsbBroad304_01571		BC000486	6633	SNRPD2	no errors	hORFeome V8.1 Collection	6633	SNRPD2	NM_004597.5	Full Length 100% match
ccsbBroadEn_01572	ccsbBroad304_01572		BC002639	6635	SNRPE	no errors	hORFeome V8.1 Collection	6635	SNRPE	NM_003094.2	Full Length 100% match
ccsbBroadEn_01573	ccsbBroad304_01573		BC063397,BC128453	6636	SNRPF	no errors	hORFeome V8.1 Collection	6636	SNRPF	NM_003095.2	Full Length 100% match
ccsbBroadEn_01574	ccsbBroad304_01574		BC000070,BC066302	6637	SNRPG	no errors	hORFeome V8.1 Collection	6637	SNRPG	NM_003096.2	Full Length 100% match
ccsbBroadEn_01575	ccsbBroad304_01575		BC003180,BC025178	6638	SNRPN	no errors	hORFeome V8.1 Collection	6638	SNRPN	NM_003097.3; NM_022805.2; NM_022806.2; NM_022807.2;	Full Length 100% match
ccsbBroadEn_01576	ccsbBroad304_01576		BC028940	6646	SOAT1	no errors	hORFeome V8.1 Collection	6646	SOAT1	NM_003101.4	Full Length 100% match
ccsbBroadEn_01577	ccsbBroad304_01577		BC001034	6647	SOD1	no errors	hORFeome V8.1 Collection	6647	SOD1	NM_000454.4	Full Length 100% match
ccsbBroadEn_01578	ccsbBroad304_01578		BC117261	6655	SOS2	no errors	hORFeome V8.1 Collection	6655	SOS2	NM_006939.2	Full Length 100% match
ccsbBroadEn_01579	ccsbBroad304_01579		BC013923	6657	SOX2	no errors	hORFeome V8.1 Collection	6657	SOX2	NM_003106.2	Full Length 100% match
ccsbBroadEn_01580	ccsbBroad304_01580		BC002824	6663	SOX10	no errors	hORFeome V8.1 Collection	6663	SOX10	NM_006941.3	Full Length 100% match
ccsbBroadEn_01581	ccsbBroad304_01581		BC000985	6665	SOX15	no errors	hORFeome V8.1 Collection	6665	SOX15	NM_006942.1	Full Length 100% match
ccsbBroadEn_01582	ccsbBroad304_01582	454	BC067361	6666	SOX12	no errors	hORFeome V8.1 Collection	6666	SOX12	NM_006943.2	Full Length 100% match
ccsbBroadEn_01583	ccsbBroad304_01583		BC109300	6671	SP4	no errors	hORFeome V8.1 Collection	6671	SP4	NM_003112.3	Full Length 100% match
ccsbBroadEn_01584	ccsbBroad304_01584		BC004974,BC008011	6678	SPARC	no errors	hORFeome V8.1 Collection	6678	SPARC	NM_003118.2	Full Length 100% match
ccsbBroadEn_01585	ccsbBroad304_01585	454	BC150260	6683	SPAST	no errors	hORFeome V8.1 Collection	6683	SPAST	NM_199436.1	Full Length 100% match
ccsbBroadEn_01586	ccsbBroad304_01586		BC025790	6690	SPINK1	no errors	hORFeome V8.1 Collection	6690	SPINK1	NM_003122.3	Full Length 100% match
ccsbBroadEn_01587	ccsbBroad304_01587		BC012350	6693	SPN	no errors	hORFeome V8.1 Collection	6693	SPN	NM_003123.3; NM_001030288.1	Full Length 100% match
ccsbBroadEn_01588	ccsbBroad304_01588		BC017387	6696	SPP1	no errors	hORFeome V8.1 Collection	6696	SPP1	NM_001040058.1	Full Length 100% match
ccsbBroadEn_01589	ccsbBroad304_01589		BC017033	6713	SQLE	no errors	hORFeome V8.1 Collection	6713	SQLE	NM_003129.3	Full Length 100% match
ccsbBroadEn_01590	ccsbBroad304_01590		BC112252,BC113641	6716	SRD5A2	no errors	hORFeome V8.1 Collection	6716	SRD5A2	NM_000348.3	Full Length 100% match
ccsbBroadEn_01591	ccsbBroad304_01591		BC130625,BC130627	6718	AKR1D1	no errors	hORFeome V8.1 Collection	6718	AKR1D1	NM_005989.3	Full Length 100% match
ccsbBroadEn_01592	ccsbBroad304_01592		BC008443,BC066957	6726	SRP9	no errors	hORFeome V8.1 Collection	6726	SRP9	NM_003133.5	Full Length 100% match
ccsbBroadEn_01593	ccsbBroad304_01593		BC035495	6727	SRP14	no errors	hORFeome V8.1 Collection	6727	SRP14	NM_003134.4	Full Length 100% match
ccsbBroadEn_01594	ccsbBroad304_01594		BC035214	6733	SRPK2	no errors	hORFeome V8.1 Collection	6733	SRPK2	NM_182691.1	Full Length 100% match
ccsbBroadEn_01595	ccsbBroad304_01595		BC001162,BC013583	6734	SRPR	no errors	hORFeome V8.1 Collection	6734	SRPR	NM_003139.3	Full Length 100% match
ccsbBroadEn_01596	ccsbBroad304_01596		BC000895	6742	SSBP1	no errors	hORFeome V8.1 Collection	6742	SSBP1	NM_003143.1	Full Length 100% match
ccsbBroadEn_01597	ccsbBroad304_01597		BC007710	6745	SSR1	no errors	hORFeome V8.1 Collection	6745	SSR1	NM_003144.3	Full Length 100% match
ccsbBroadEn_01598	ccsbBroad304_01598	454	BC000341	6746	SSR2	no errors	hORFeome V8.1 Collection	6746	SSR2	NM_003145.3	Full Length 100% match
ccsbBroadEn_01599	ccsbBroad304_01599		BC017203	6747	SSR3	no errors	hORFeome V8.1 Collection	6747	SSR3	NM_007107.3	Full Length 100% match
ccsbBroadEn_01600	ccsbBroad304_01600		BC005116	6749	SSRP1	no errors	hORFeome V8.1 Collection	6749	SSRP1	NM_003146.2	Full Length 100% match
ccsbBroadEn_01601	ccsbBroad304_01601		BC035618	6751	SSTR1	no errors	hORFeome V8.1 Collection	6751	SSTR1	NM_001049.2	Full Length 100% match
ccsbBroadEn_01602	ccsbBroad304_01602		BC019610	6752	SSTR2	no errors	hORFeome V8.1 Collection	6752	SSTR2	NM_001050.2	Full Length 100% match
ccsbBroadEn_01603	ccsbBroad304_01603		BC117270	6754	SSTR4	no errors	hORFeome V8.1 Collection	6754	SSTR4	NM_001052.2	Full Length 100% match
ccsbBroadEn_01604	ccsbBroad304_01604		BC133693	6756	SSX1	no errors	hORFeome V8.1 Collection	6756	SSX1	NM_005635.2	Full Length 100% match
ccsbBroadEn_01605	ccsbBroad304_01605		BC002818	6757	SSX2	no errors	hORFeome V8.1 Collection	6757	SSX2	NM_003147.4	Full Length 100% match
ccsbBroadEn_01606	ccsbBroad304_01606		BC010550	6770	STAR	no errors	hORFeome V8.1 Collection	6770	STAR	NM_000349.2	Full Length 100% match
ccsbBroadEn_01607	ccsbBroad304_01607		BC002704	6772	STAT1	no errors	hORFeome V8.1 Collection	6772	STAT1	NM_139266.2	Full Length 100% match
ccsbBroadEn_01608	ccsbBroad304_01608		BC051284	6773	STAT2	no errors	hORFeome V8.1 Collection	6773	STAT2	NM_005419.3	Full Length 100% match
ccsbBroadEn_01609	ccsbBroad304_01609		BC014482	6774	STAT3	no errors	hORFeome V8.1 Collection	6774	STAT3	NM_139276.2	Full Length 100% match
ccsbBroadEn_01610	ccsbBroad304_01610		BC031212	6775	STAT4	no errors	hORFeome V8.1 Collection	6775	STAT4	NM_003151.2	Full Length 100% match
ccsbBroadEn_01611	ccsbBroad304_01611		BC075852	6778	STAT6	no errors	hORFeome V8.1 Collection	6778	STAT6	NM_003153.4; NM_001178078.1;	Full Length 100% match
ccsbBroadEn_01612	ccsbBroad304_01612		BC050432	6780	STAU1	no errors	hORFeome V8.1 Collection	6780	STAU1	NM_001178079.1	Full Length 100% match
ccsbBroadEn_01613	ccsbBroad304_01613		BC007981,BC019334	6794	STK11	no errors	hORFeome V8.1 Collection	6794	STK11	NM_004555.4	Full Length 100% match
ccsbBroadEn_01614	ccsbBroad304_01614	454	BC075064	6795	AURKC	no errors	hORFeome V8.1 Collection	6795	AURKC	NM_003160.2	Full Length 100% match
ccsbBroadEn_01615	ccsbBroad304_01615		BC113727,BC113729	6799	SULT1A2	no errors	hORFeome V8.1 Collection	6799	SULT1A2	NM_001054.3; NM_177528.2;	Full Length 100% match
ccsbBroadEn_01616	ccsbBroad304_01616		BC007405	6809	STX3	no errors	hORFeome V8.1 Collection	6809	STX3	NM_004177.4	Full Length 100% match
ccsbBroadEn_01617	ccsbBroad304_01617		BC002436	6810	STX4	no errors	hORFeome V8.1 Collection	6810	STX4	NM_004604.3	Full Length 100% match
ccsbBroadEn_01618	ccsbBroad304_01618		BC015749	6812	STXBP1	no errors	hORFeome V8.1 Collection	6812	STXBP1	NM_001032221.3	Full Length 100% match
ccsbBroadEn_01619	ccsbBroad304_01619		BC047764	6814	STXBP3	no errors	hORFeome V8.1 Collection	6814	STXBP3	NM_007269.2	Full Length 100% match
ccsbBroadEn_01620	ccsbBroad304_01620		BC020265	6815	STYX	no errors	hORFeome V8.1 Collection	6815; 100290651	STYX; LOC100290651	NM_145251.3; NM_001130701.1; XM_002347423.2	Full Length 100% match
ccsbBroadEn_01621	ccsbBroad304_01621		BC132914	6818	SULT1A3	no errors	hORFeome V8.1 Collection	6818; 445329	SULT1A3; SULT1A4	NM_177552.3; NM_001017390.2	Full Length 100% match
ccsbBroadEn_01622	ccsbBroad304_01622		BC005353	6819	SULT1C2	no errors	hORFeome V8.1 Collection	6819	SULT1C2	NM_001056.3	Full Length 100% match
ccsbBroadEn_01623	ccsbBroad304_01623		BC002802	6827	SUPT4H1	no errors	hORFeome V8.1 Collection	6827	SUPT4H1	NM_003168.1	Full Length 100% match
ccsbBroadEn_01624	ccsbBroad304_01624		BC036112	6832	SUPV3L1	no errors	hORFeome V8.1 Collection	6832	SUPV3L1	NM_003171.3	Full Length 100% match
ccsbBroadEn_01625	ccsbBroad304_01625		BC018741	6836	SURF4	no errors	hORFeome V8.1 Collection	6836	SURF4	NM_033161.2	Full Length 100% match
ccsbBroadEn_01626	ccsbBroad304_01626		BC040111	6837	MED22	no errors	hORFeome V8.1 Collection	6837	MED22	NM_181491.1	Full Length 100% match
ccsbBroadEn_01627	ccsbBroad304_01627		BC014878	6838	SURF6	no errors	hORFeome V8.1 Collection	6838	SURF6	NM_006753.4	Full Length 100% match
ccsbBroadEn_01628	ccsbBroad304_01628		BC006238	6839	SUV39H1	no errors	hORFeome V8.1 Collection	6839	SUV39H1	NM_003173.2	Full Length 100% match
ccsbBroadEn_01629	ccsbBroad304_01629		BC002737,BC033870	6844	VAMP2	no errors	hORFeome V8.1 Collection	6844	VAMP2	NM_014232.2	Full Length 100% match
ccsbBroadEn_01630	ccsbBroad304_01630		BC069360	6846	XCL2	no errors	hORFeome V8.1 Collection	6846	XCL2	NM_003175.3	Full Length 100% match
ccsbBroadEn_01631	ccsbBroad304_01631	454	BC126266	6847	SYCP1	no errors	hORFeome V8.1 Collection	6847	SYCP1	NM_003176.2	Full Length 100% match
ccsbBroadEn_01632	ccsbBroad304_01632		BC016835	6856	SYPL1	no errors	hORFeome V8.1 Collection	6856	SYPL1	NM_182715.1	Full Length 100% match
ccsbBroadEn_01633	ccsbBroad304_01633		BC061887	6856	SYPL1	no errors	hORFeome V8.1 Collection	6856	SYPL1	NM_006754.2	Full Length 100% match



ccsbBroadEn_01634	ccsbBroad304_01634		BC018047	6863	TAC1	no errors	hORFeome V8.1 Collection	6863	TAC1	NM_003182.2	Full Length 100% match	
ccsbBroadEn_01635	ccsbBroad304_01635		BC032145	6866	TAC3	no errors	hORFeome V8.1 Collection	6866	TAC3	NM_013251.3	Full Length 100% match	
ccsbBroadEn_01636	ccsbBroad304_01636	454	BC074911	6869	TACR1	no errors	hORFeome V8.1 Collection	6869	TACR1	NM_001058.3	Full Length 100% match	
ccsbBroadEn_01637	ccsbBroad304_01637	454	BC121806	6870	TACR3	no errors	hORFeome V8.1 Collection	6870	TACR3	NM_001059.2	Full Length 100% match	
ccsbBroadEn_01638	ccsbBroad304_01638		BC004927	6876	TAGLN	no errors	hORFeome V8.1 Collection	6876	TAGLN	NM_001001522.1; NM_003186.3	Full Length 100% match	
ccsbBroadEn_01639	ccsbBroad304_01639		BC003400	6880	TAF9	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6880	TAF9	NM_003187.4; NM_001015892.1	Full Length 100% match	
ccsbBroadEn_01640	ccsbBroad304_01640		BC011986	6883	TAF12	no errors	hORFeome V8.1 Collection	6883	TAF12	NM_005644.3;	Full Length 100% match	
ccsbBroadEn_01641	ccsbBroad304_01641		BC121180	6884	TAF13	no errors	hORFeome V8.1 Collection	6884	TAF13	NM_001135218.1	Full Length 100% match	
ccsbBroadEn_01642	ccsbBroad304_01642		BC126373,BC126375	6887	TAL2	no errors	hORFeome V8.1 Collection	6887	TAL2	NM_005645.3	Full Length 100% match	
ccsbBroadEn_01643	ccsbBroad304_01643		BC010103	6888	TALDO1	no errors	hORFeome V8.1 Collection	6888	TALDO1	NM_005421.2	Full Length 100% match	
ccsbBroadEn_01644	ccsbBroad304_01644		BC014081	6890	TAP1	no errors	hORFeome V8.1 Collection	6890	TAP1	NM_006755.1	Full Length 100% match	
ccsbBroadEn_01645	ccsbBroad304_01645		BC005860	6895	TARBP2	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	6895	TARBP2	NM_000593.5	Full Length 100% match	
ccsbBroadEn_01646	ccsbBroad304_01646		BC018210	6902	TBCA	no errors	hORFeome V8.1 Collection	6902	TBCA	NM_134323.1	Full Length 100% match	
ccsbBroadEn_01647	Failed LR reaction		BC020170	6903	TBCC	no errors	hORFeome V8.1 Collection	6903	TBCC	NM_004607.2	Full Length 100% match	
ccsbBroadEn_01648	ccsbBroad304_01648		BC020747	6906	SERPINA7	no errors	hORFeome V8.1 Collection	6906	SERPINA7	NM_003192.2	Full Length 100% match	
ccsbBroadEn_01649	ccsbBroad304_01649		BC014117	6916	TBXAS1	no errors	hORFeome V8.1 Collection	6916	TBXAS1	NM_000354.5	Full Length 100% match	
ccsbBroadEn_01650	ccsbBroad304_01650	454	BC072460	6917	TCEA1	no errors	hORFeome V8.1 Collection	6917	TCEA1	NM_001166254.1	Full Length 100% match	
ccsbBroadEn_01651	ccsbBroad304_01651	454	BC032656	6934	TCF7L2	no errors	hORFeome V8.1 Collection	6934	TCF7L2	NM_006756.2	Full Length 100% match	
ccsbBroadEn_01652	ccsbBroad304_01652		BC011239	6948	TCN2	no errors	hORFeome V8.1 Collection	6948	TCN2	NM_001146284.1	Full Length 100% match	
ccsbBroadEn_01653	ccsbBroad304_01653		BC113499	6975	TCTB	no errors	hORFeome V8.1 Collection	6975	TCTB	NM_001184726.1	Full Length 100% match	
ccsbBroadEn_01654	ccsbBroad304_01654		BC005157	6988	TCTA	no errors	hORFeome V8.1 Collection	6988	TCTA	NM_058222.1	Full Length 100% match	
ccsbBroadEn_01655	ccsbBroad304_01655		BC000968	6990	DYNLT3	no errors	hORFeome V8.1 Collection	6990	DYNLT3	NM_022171.2	Full Length 100% match	
ccsbBroadEn_01656	ccsbBroad304_01656		BC113639	6991	TCTE3	no errors	hORFeome V8.1 Collection	6991	TCTE3	NM_006520.2	Full Length 100% match	
ccsbBroadEn_01657	ccsbBroad304_01657		BC005355	6999	TDO2	no errors	hORFeome V8.1 Collection	6999	TDO2	NM_174910.1	Full Length 100% match	
ccsbBroadEn_01658	ccsbBroad304_01658		BC064138	7001	PRDX2	no errors	hORFeome V8.1 Collection	7001	PRDX2	NM_005651.2	Full Length 100% match	
ccsbBroadEn_01659	ccsbBroad304_01659		BC029378	7013	TERF1	no errors	hORFeome V8.1 Collection	7013	TERF1	NM_181738.1	Full Length 100% match	
ccsbBroadEn_01660	ccsbBroad304_01660		BC010576	7023	TFAP4	no errors	hORFeome V8.1 Collection	7023	TFAP4	NM_003218.3	Full Length 100% match	
ccsbBroadEn_01661	ccsbBroad304_01661		BC003634	7024	TFCP2	no errors	hORFeome V8.1 Collection	7024	TFCP2	NM_003223.2	Full Length 100% match	
ccsbBroadEn_01662	ccsbBroad304_01662		BC021113	7029	TFDP2	no errors	hORFeome V8.1 Collection	7029	TFDP2	NM_005653.4	Full Length 100% match	
ccsbBroadEn_01663	ccsbBroad304_01663		BC032820	7032	TFF2	no errors	hORFeome V8.1 Collection	7032	TFF2	NM_001178138.1; NM_006286.4	Full Length 100% match	
ccsbBroadEn_01664	ccsbBroad304_01664		BC005308	7039	TGFA	no errors	hORFeome V8.1 Collection	7039	TGFA	NM_005423.4	Full Length 100% match	
ccsbBroadEn_01665	ccsbBroad304_01665		BC035718	7044	LEFTY2	no errors	hORFeome V8.1 Collection	7044	LEFTY2	NM_001099691.1	Full Length 100% match	
ccsbBroadEn_01666	ccsbBroad304_01666	454	BC071181	7046	TGFBR1	no errors	hORFeome V8.1 Collection	7046	TGFBR1	NM_003240.3	Full Length 100% match	
ccsbBroadEn_01667	ccsbBroad304_01667		BC000814	7050	TGIF1	no errors	hORFeome V8.1 Collection	7050	TGIF1	NM_001130916.1	Full Length 100% match	
ccsbBroadEn_01668	ccsbBroad304_01668		BC130322	7066	THPO	no errors	hORFeome V8.1 Collection	7066	THPO	NM_003244.2; NM_173208.1	Full Length 100% match	
ccsbBroadEn_01669	ccsbBroad304_01669		BC106929	7068	THRB	no errors	hORFeome V8.1 Collection	7068	THRB	NM_001177597.1	Full Length 100% match	
ccsbBroadEn_01670	ccsbBroad304_01670		BC031989	7069	THRSP	no errors	hORFeome V8.1 Collection	7069	THRSP	NM_000461.4; NM_001128177.1	Full Length 100% match	
ccsbBroadEn_01671	ccsbBroad304_01671		BC005175,BC065559	7070	THY1	no errors	hORFeome V8.1 Collection	7070	THY1	NM_003251.2	Full Length 100% match	
ccsbBroadEn_01672	ccsbBroad304_01672		BC052605	7077	TIMP2	no errors	hORFeome V8.1 Collection	7077	TIMP2	NM_006288.3	Full Length 100% match	
ccsbBroadEn_01673	ccsbBroad304_01673		BC014277	7078	TIMP3	no errors	hORFeome V8.1 Collection	7078	TIMP3	NM_003255.4	Full Length 100% match	
ccsbBroadEn_01674	ccsbBroad304_01674		BC010553	7079	TIMP4	no errors	hORFeome V8.1 Collection	7079	TIMP4	NM_000362.4	Full Length 100% match	
ccsbBroadEn_01675	ccsbBroad304_01675		BC007986	7083	TK1	no errors	hORFeome V8.1 Collection	7083	TK1	NM_003256.2	Full Length 100% match	
ccsbBroadEn_01676	ccsbBroad304_01676		BC010100	7088	TLE1	no errors	hORFeome V8.1 Collection	7088	TLE1	NM_003258.4	Full Length 100% match	
ccsbBroadEn_01677	ccsbBroad304_01677		BC017364	7089	TLE2	no errors	hORFeome V8.1 Collection	7089	TLE2	NM_005077.3	Full Length 100% match	
ccsbBroadEn_01678	ccsbBroad304_01678		BC109093	7096	TLR1	no errors	hORFeome V8.1 Collection	7096	TLR1	NM_003260.4	Full Length 100% match	
ccsbBroadEn_01679	ccsbBroad304_01679		BC096333	7098	TLR3	no errors	hORFeome V8.1 Collection	7098	TLR3	NM_003263.3	Full Length 100% match	
ccsbBroadEn_01680	ccsbBroad304_01680		BC028031	7101	NR2E1	no errors	hORFeome V8.1 Collection	7101	NR2E1	NM_003265.2	Full Length 100% match	
ccsbBroadEn_01681	ccsbBroad304_01681		BC001386	7104	TM4SF4	no errors	hORFeome V8.1 Collection	7104	TM4SF4	NM_003269.3	Full Length 100% match	
ccsbBroadEn_01682	ccsbBroad304_01682		BC012100	7107	GPR137B	no errors	hORFeome V8.1 Collection	7107	GPR137B	NM_004617.2	Full Length 100% match	
ccsbBroadEn_01683	ccsbBroad304_01683		BC053675	7112	TMPO	no errors	hORFeome V8.1 Collection	7112	TMPO	NM_003272.3	Full Length 100% match	
ccsbBroadEn_01684	ccsbBroad304_01684		BC028148	7124	TNF	no errors	hORFeome V8.1 Collection	7124	TNF	NM_001032283.2	Full Length 100% match	
ccsbBroadEn_01685	ccsbBroad304_01685		BC001643	7126	TNFAIP1	no errors	hORFeome V8.1 Collection	7126	TNFAIP1	NM_000594.2	Full Length 100% match	
ccsbBroadEn_01686	ccsbBroad304_01686		BC114480	7128	TNFAIP3	no errors	hORFeome V8.1 Collection	7128	TNFAIP3	NM_021137.4	Full Length 100% match	
ccsbBroadEn_01687	ccsbBroad304_01687		BC030205	7130	TNFAIP6	no errors	hORFeome V8.1 Collection	7130	TNFAIP6	NM_006290.2	Full Length 100% match	
ccsbBroadEn_01688	ccsbBroad304_01688		BC010140	7132	TNFRSF1A	no errors	hORFeome V8.1 Collection	7132	TNFRSF1A	NM_007115.3	Full Length 100% match	
ccsbBroadEn_01689	ccsbBroad304_01689		BC052977	7133	TNFRSF1B	no errors	hORFeome V8.1 Collection	7133	TNFRSF1B	NM_001065.3	Full Length 100% match	
ccsbBroadEn_01690	ccsbBroad304_01690		BC030244	7134	TNNC1	no errors	hORFeome V8.1 Collection	7134	TNNC1	NM_001066.2	Full Length 100% match	
ccsbBroadEn_01691	ccsbBroad304_01691		BC096165	7137	TNNI3	no errors	hORFeome V8.1 Collection	7137	TNNI3	NM_003280.2	Full Length 100% match	
ccsbBroadEn_01692	ccsbBroad304_01692		BC010963,BC034143	7138	TNNT1	no errors	hORFeome V8.1 Collection	7138	TNNT1	NM_000363.4	Full Length 100% match	
ccsbBroadEn_01693	ccsbBroad304_01693		BC002653	7139	TNNT2	no errors	hORFeome V8.1 Collection	7139	TNNT2	NM_001126132.1	Full Length 100% match	
ccsbBroadEn_01694	ccsbBroad304_01694		BC117327	7140	TNNT3	no errors	hORFeome V8.1 Collection	7140	TNNT3	NM_001001431.1	Full Length 100% match	
ccsbBroadEn_01695	ccsbBroad304_01695		BC029516	7141	TNP1	no errors	hORFeome V8.1 Collection	7141	TNP1	NM_001042782.2	Full Length 100% match	
ccsbBroadEn_01696	ccsbBroad304_01696		BC096135	7142	TNP2	no errors	hORFeome V8.1 Collection	7142	TNP2	NM_003284.3	Full Length 100% match	
ccsbBroadEn_01697	ccsbBroad304_01697		BC018117	7163	TPD52	no errors	hORFeome V8.1 Collection	7163	TPD52	NM_005425.4	Full Length 100% match	
ccsbBroadEn_01698	ccsbBroad304_01698		BC002375	7164	TPD52L1	no errors	hORFeome V8.1 Collection	7164	TPD52L1	NM_005079.2	Full Length 100% match	
ccsbBroadEn_01699	ccsbBroad304_01699		BC006804	7165	TPD52L2	no errors	hORFeome V8.1 Collection	7165	TPD52L2	NM_001003396.1	Full Length 100% match	
ccsbBroadEn_01700	ccsbBroad304_01700		BC106739	7166	TPH1	no errors	hORFeome V8.1 Collection	7166	TPH1	NM_003288.2	Full Length 100% match	
ccsbBroadEn_01701	ccsbBroad304_01701		BC007086,BC015100	7167	TP1	no errors	hORFeome V8.1 Collection	7167	TP1	NM_004179.2	Full Length 100% match	
ccsbBroadEn_01702	ccsbBroad304_01702		BC011776	7169	TPM2	no errors	hORFeome V8.1 Collection	7169	TPM2	NM_000365.5	Full Length 100% match	
ccsbBroadEn_01703	ccsbBroad304_01703		BC008407,BC008425	7170	TPM3	no errors	hORFeome V8.1 Collection	7170	TPM3	NM_213674.1	Full Length 100% match	
ccsbBroadEn_01704	ccsbBroad304_01704		BC037576,BC067225	7171	TPM4	no errors	hORFeome V8.1 Collection	7171	TPM4	NM_152263.2	Full Length 100% match	
ccsbBroadEn_01705	ccsbBroad304_01705		BC028059	7177	TPSAB1	no errors	hORFeome V8.1 Collection	7177	TPM4	NM_003290.2	Full Length 100% match	
ccsbBroadEn_01706	ccsbBroad304_01706		BC003352,BC052333	7178	TPT1	no errors	hORFeome V8.1 Collection	7178	TPT1	LOC100507804	XM_00319642.1	Full Length 100% match
ccsbBroadEn_01707	ccsbBroad304_01707		BC012431	7178	TPT1	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7178	TPT1	NM_003295.2	Full Length 100% match	
ccsbBroadEn_01708	ccsbBroad304_01708		BC022011	7180	CRISP2	no errors	hORFeome V8.1 Collection	7180	CRISP2	NM_001142417.1; NM_001142435.1; NM_001142408.1;	Full Length 100% match	
ccsbBroadEn_01709	ccsbBroad304_01709		BC040141	7181	NR2C1	no errors	hORFeome V8.1 Collection	7181	NR2C1	NM_003296.2; NM_001142407.1	Full Length 100% match	
ccsbBroadEn_01710	ccsbBroad304_01710		BC032410,BC043492	7186	TRAF2	no errors	hORFeome V8.1 Collection	7186	TRAF2	NM_001032287.2	Full Length 100% match	
ccsbBroadEn_01711	ccsbBroad304_01711		BC113360	7201	TRHR	no errors	hORFeome V8.1 Collection	7201	TRHR	NM_021138.3	Full Length 100% match	
ccsbBroadEn_01712	ccsbBroad304_01712		BC004999,BC028985	7205	TRIP6	no errors	hORFeome V8.1 Collection	7205	TRIP6	NM_003301.4	Full Length 100% match	
ccsbBroadEn_01713	ccsbBroad304_01713		BC113953	7220	TRPC1	no errors	hORFeome V8.1 Collection	7220	TRPC1	NM_003302.2	Full Length 100% match	
ccsbBroadEn_01714	ccsbBroad304_01714	454	BC093682	7222	TRPC3	no errors	hORFeome V8.1 Collection	7222	TRPC3	NM_003304.4	Full Length 100% match	
ccsbBroadEn_01715	ccsbBroad304_01715		BC104725	7223	TRPC4	no errors	hORFeome V8.1 Collection	7223	TRPC4	NM_003305.2	Full Length 100% match	
										NM_016179.2	Full Length 100% match	



ccsbBroadEn_01716	ccsbBroad304_01716	454	BC002359	7247	TSN	no errors	hORFeome V8.1 Collection	7247	TSN	NM_004622.2	Full Length 100% match
ccsbBroadEn_01717	ccsbBroad304_01717		BC024205,BC063613	7253	TSHR	no errors	hORFeome V8.1 Collection	7253	TSHR	NM_001018036.2	Full Length 100% match
ccsbBroadEn_01718	ccsbBroad304_01718		BC010376,BC011797	7257	TSNAX	no errors	hORFeome V8.1 Collection	7257	TSNAX	NM_005999.2	Full Length 100% match
ccsbBroadEn_01719	ccsbBroad304_01719		BC002485	7260	TSSC1	no errors	hORFeome V8.1 Collection	7260	TSSC1	NM_003310.2	Full Length 100% match
ccsbBroadEn_01720	ccsbBroad304_01720		BC001941	7264	TSTA3	no errors	hORFeome V8.1 Collection	7264	TSTA3	NM_003313.3	Full Length 100% match
ccsbBroadEn_01721	ccsbBroad304_01721		BC011837	7266	DNAJC7	no errors	hORFeome V8.1 Collection	7266	DNAJC7	NM_003315.3	Full Length 100% match
ccsbBroadEn_01722	ccsbBroad304_01722		BC003601	7266	DNAJC7	no errors	hORFeome V8.1 Collection	7266	DNAJC7	NM_001144766.2	Full Length 100% match
ccsbBroadEn_01723	ccsbBroad304_01723		BC032858	7272	TTK	no errors	hORFeome V8.1 Collection	7272	TTK	NM_003318.4	Full Length 100% match
ccsbBroadEn_01724	ccsbBroad304_01724		BC005310,BC020791	7276	TTR	no errors	hORFeome V8.1 Collection	7276	TTR	NM_000371.3	Full Length 100% match
ccsbBroadEn_01725	ccsbBroad304_01725		BC000619	7283	TUBG1	no errors	hORFeome V8.1 Collection	7283	TUBG1	NM_001070.4	Full Length 100% match
ccsbBroadEn_01726	ccsbBroad304_01726		BC001633,BC010041	7284	TUFM	no errors	hORFeome V8.1 Collection	7284	TUFM	NM_003321.4	Full Length 100% match
ccsbBroadEn_01727	ccsbBroad304_01727		BC008301	7286	TUFT1	no errors	hORFeome V8.1 Collection	7286	TUFT1	NM_020127.2	Full Length 100% match
ccsbBroadEn_01728	ccsbBroad304_01728		BC026070	7288	TULP2	no errors	hORFeome V8.1 Collection	7288	TULP2	NM_003323.2	Full Length 100% match
ccsbBroadEn_01729	ccsbBroad304_01729		BC011175	7305	TYROBP	no errors	hORFeome V8.1 Collection	7305	TYROBP	NM_003332.3	Full Length 100% match
ccsbBroadEn_01730	ccsbBroad304_01730	454	BC052608	7306	TYRP1	no errors	hORFeome V8.1 Collection	7306	TYRP1	NM_000550.2	Full Length 100% match
ccsbBroadEn_01731	ccsbBroad304_01731		BC001177,BC001923	7307	U2AF1	no errors	hORFeome V8.1 Collection	7307	U2AF1	NM_006758.2	Full Length 100% match
ccsbBroadEn_01732	ccsbBroad304_01732	454	BC101830	7311	UBA52	no errors	hORFeome V8.1 Collection	7311	UBA52	NM_003333.3	Full Length 100% match
ccsbBroadEn_01733	ccsbBroad304_01733		BC006378	7318	UBA7	no errors	hORFeome V8.1 Collection	7318	UBA7	NM_003335.2	Full Length 100% match
ccsbBroadEn_01734	ccsbBroad304_01734		BC005979,BC008470	7320	UBE2B	no errors	hORFeome V8.1 Collection	7320	UBE2B	NM_003337.2	Full Length 100% match
ccsbBroadEn_01735	ccsbBroad304_01735		BC005980,BC015997	7321	UBE2D1	no errors	hORFeome V8.1 Collection	7321	UBE2D1	NM_003338.3	Full Length 100% match
ccsbBroadEn_01736	ccsbBroad304_01736	454	BC033349	7322	UBE2D2	no errors	hORFeome V8.1 Collection	7322	UBE2D2	NM_003339.2	Full Length 100% match
ccsbBroadEn_01737	ccsbBroad304_01737		BC022332	7325	UBE2E2	no errors	hORFeome V8.1 Collection	7325	UBE2E2	NM_152653.3	Full Length 100% match
ccsbBroadEn_01738	ccsbBroad304_01738		BC002775,BC026288	7326	UBE2G1	no errors	hORFeome V8.1 Collection	7326	UBE2G1	NM_003342.4	Full Length 100% match
ccsbBroadEn_01739	ccsbBroad304_01739		BC001738,BC011569	7327	UBE2G2	no errors	hORFeome V8.1 Collection	7327	UBE2G2	NM_003343.4	Full Length 100% match
ccsbBroadEn_01740	ccsbBroad304_01740		BC000427,BC051289	7329	UBE2I	no errors	hORFeome V8.1 Collection	7329	UBE2I	NM_003345.3; NM_194259.1; NM_194260.1; NM_194261.1	Full Length 100% match
ccsbBroadEn_01741	ccsbBroad304_01741		BC000468	7335	UBE2V1	no errors	hORFeome V8.1 Collection	7335	UBE2V1	NM_001032288.1	Full Length 100% match
ccsbBroadEn_01742	ccsbBroad304_01742		BC007051,BC028673	7336	UBE2V2	no errors	hORFeome V8.1 Collection	7336	UBE2V2	NM_003350.2	Full Length 100% match
ccsbBroadEn_01743	ccsbBroad304_01743		BC006462,BC053528	7341	SUMO1	no errors	hORFeome V8.1 Collection	7341	SUMO1	NM_003352.4	Full Length 100% match
ccsbBroadEn_01744	ccsbBroad304_01744		BC000332,BC006305	7345	UCHL1	no errors	hORFeome V8.1 Collection	7345	UCHL1	NM_004181.4	Full Length 100% match
ccsbBroadEn_01745	ccsbBroad304_01745		BC018125	7347	UCHL3	no errors	hORFeome V8.1 Collection	7347	UCHL3	NM_006002.3	Full Length 100% match
ccsbBroadEn_01746	ccsbBroad304_01746		BC098168	7350	UCP1	no errors	hORFeome V8.1 Collection	7350	UCP1	NM_021833.4	Full Length 100% match
ccsbBroadEn_01747	ccsbBroad304_01747		BC011737	7351	UCP2	no errors	hORFeome V8.1 Collection	7351	UCP2	NM_003355.2	Full Length 100% match
ccsbBroadEn_01748	ccsbBroad304_01748		BC001049,BC005087	7353	UFD1L	no errors	hORFeome V8.1 Collection	7353	UFD1L	NM_005659.6	Full Length 100% match
ccsbBroadEn_01749	ccsbBroad304_01749		BC035747	7355	SLC35A2	no errors	hORFeome V8.1 Collection	7355	SLC35A2	NM_001032289.1	Full Length 100% match
ccsbBroadEn_01750	ccsbBroad304_01750		BC004481	7356	SCGB1A1	no errors	hORFeome V8.1 Collection	7356	SCGB1A1	NM_003357.4	Full Length 100% match
ccsbBroadEn_01751	ccsbBroad304_01751		BC047004	7360	UGP2	no errors	hORFeome V8.1 Collection	7360	UGP2	NM_006759.3	Full Length 100% match
ccsbBroadEn_01752	ccsbBroad304_01752		BC113649	7365	UGT2B10	no errors	hORFeome V8.1 Collection	7365	UGT2B10	NM_001075.4	Full Length 100% match
ccsbBroadEn_01753	ccsbBroad304_01753		BC002906	7371	UCK2	no errors	hORFeome V8.1 Collection	7371	UCK2	NM_012474.3	Full Length 100% match
ccsbBroadEn_01754	ccsbBroad304_01754	454	BC002906	7371	UCK2	no errors	hORFeome V8.1 Collection	7371	UCK2	NM_012474.4	Full Length 100% match
ccsbBroadEn_01755	ccsbBroad304_01755		BC000364	7372	UMPS	no errors	hORFeome V8.1 Collection	7372	UMPS	NM_000373.3	Full Length 100% match
ccsbBroadEn_01756	Failed LR reaction		BC005230	7381	UQCRB	no errors	hORFeome V8.1 Collection	7381	UQCRB	NM_006294.3	Full Length 100% match
ccsbBroadEn_01757	ccsbBroad304_01757		BC000484,BC003136	7385	UQCRC2	no errors	hORFeome V8.1 Collection	7385	UQCRC2	NM_003366.2	Full Length 100% match
ccsbBroadEn_01758	ccsbBroad304_01758		BC001426,BC015177	7388	UQCRH	no errors	hORFeome V8.1 Collection	7388	UQCRH	NM_006004.2	Full Length 100% match
ccsbBroadEn_01759	ccsbBroad304_01759		BC002573	7390	UROS	no errors	hORFeome V8.1 Collection	7390	UROS	NM_000375.2	Full Length 100% match
ccsbBroadEn_01760	ccsbBroad304_01760		BC050525	7398	USP1	no errors	hORFeome V8.1 Collection	7398	USP1	NM_003368.4; NM_001017416.1; NM_001017415.1	Full Length 100% match
ccsbBroadEn_01761	ccsbBroad304_01761	454	BC074970	7401	CLRN1	no errors	hORFeome V8.1 Collection	7401	CLRN1	NM_174878.2	Full Length 100% match
ccsbBroadEn_01762	ccsbBroad304_01762		BC046094	7411	VBP1	no errors	hORFeome V8.1 Collection	7411	VBP1	NM_003372.5	Full Length 100% match
ccsbBroadEn_01763	ccsbBroad304_01763		BC068490	7412	VCAM1	no errors	hORFeome V8.1 Collection	7412	VCAM1	NM_001078.2	Full Length 100% match
ccsbBroadEn_01764	ccsbBroad304_01764		BC008482	7416	VDAC1	no errors	hORFeome V8.1 Collection	7416	VDAC1	NM_003374.2	Full Length 100% match
ccsbBroadEn_01765	ccsbBroad304_01765		BC072407	7417	VDAC2	no errors	hORFeome V8.1 Collection	7417	VDAC2	NM_003375.3; NM_001184823.1	Full Length 100% match
ccsbBroadEn_01766	ccsbBroad304_01766		BC056870	7419	VDAC3	no errors	hORFeome V8.1 Collection	7419	VDAC3	NM_005662.5	Full Length 100% match
ccsbBroadEn_01767	ccsbBroad304_01767		BC060832	7421	VDR	no errors	hORFeome V8.1 Collection	7421	VDR	NM_000376.2; NM_001017535.1	Full Length 100% match
ccsbBroadEn_01768	ccsbBroad304_01768		BC065522	7422	VEGFA	no errors	hORFeome V8.1 Collection	7422	VEGFA	NM_001171628.1	Full Length 100% match
ccsbBroadEn_01769	ccsbBroad304_01769		BC008818	7423	VEGFB	no errors	hORFeome V8.1 Collection	7423	VEGFB	NM_003377.3	Full Length 100% match
ccsbBroadEn_01770	ccsbBroad304_01770		BC013903	7430	EZR	no errors	hORFeome V8.1 Collection	7430	EZR	NM_001111077.1; NM_003379.4	Full Length 100% match
ccsbBroadEn_01771	ccsbBroad304_01771		BC000163,BC030573	7431	VIM	no errors	hORFeome V8.1 Collection	7431	VIM	NM_003380.3	Full Length 100% match
ccsbBroadEn_01772	ccsbBroad304_01772		BC009794	7432	VIP	no errors	hORFeome V8.1 Collection	7432	VIP	NM_194435.1	Full Length 100% match
ccsbBroadEn_01773	ccsbBroad304_01773		BC010569	7434	VIPR2	no errors	hORFeome V8.1 Collection	7434	VIPR2	NM_003382.4	Full Length 100% match
ccsbBroadEn_01774	ccsbBroad304_01774		BC017489	7453	WARS	no errors	hORFeome V8.1 Collection	7453	WARS	NM_173701.1; NM_004184.3	Full Length 100% match
ccsbBroadEn_01775	ccsbBroad304_01775		BC021214,BC066928	7458	EIF4H	no errors	hORFeome V8.1 Collection	7458	EIF4H	NM_031992.1	Full Length 100% match
ccsbBroadEn_01776	ccsbBroad304_01776		BC000010	7464	CORO2A	no errors	hORFeome V8.1 Collection	7464	CORO2A	NM_052820.3; NM_003389.3	Full Length 100% match
ccsbBroadEn_01777	ccsbBroad304_01777	454	BC074798	7471	WNT1	no errors	hORFeome V8.1 Collection	7471	WNT1	NM_005430.3	Full Length 100% match
ccsbBroadEn_01778	ccsbBroad304_01778		BC029854	7472	WNT2	no errors	hORFeome V8.1 Collection	7472	WNT2	NM_003391.2	Full Length 100% match
ccsbBroadEn_01779	ccsbBroad304_01779		BC064694	7474	WNT5A	no errors	hORFeome V8.1 Collection	7474	WNT5A	NM_003392.3	Full Length 100% match
ccsbBroadEn_01780	ccsbBroad304_01780		BC008811	7476	WNT7A	no errors	hORFeome V8.1 Collection	7476	WNT7A	NM_004625.3	Full Length 100% match
ccsbBroadEn_01781	ccsbBroad304_01781		BC034923	7477	WNT7B	no errors	hORFeome V8.1 Collection	7477	WNT7B	NM_058238.2	Full Length 100% match
ccsbBroadEn_01782	ccsbBroad304_01782		BC100767	7499	XG	no errors	hORFeome V8.1 Collection	7499	XG	NM_001141920.1	Full Length 100% match
ccsbBroadEn_01783	ccsbBroad304_01783		BC014965	7507	XPA	no errors	hORFeome V8.1 Collection	7507	XPA	NM_000380.3	Full Length 100% match
ccsbBroadEn_01784	ccsbBroad304_01784		BC032847	7514	XPO1	no errors	hORFeome V8.1 Collection	7514	XPO1	NM_003400.3	Full Length 100% match
ccsbBroadEn_01785	ccsbBroad304_01785		BC042137	7516	XRCC2	no errors	hORFeome V8.1 Collection	7516	XRCC2	NM_005431.1	Full Length 100% match
ccsbBroadEn_01786	ccsbBroad304_01786		BC016314	7518	XRCC4	no errors	hORFeome V8.1 Collection	7518	XRCC4	NM_022406.2	Full Length 100% match
ccsbBroadEn_01787	ccsbBroad304_01787		BC048960	7525	YES1	no errors	hORFeome V8.1 Collection	7525	YES1	NM_005433.3	Full Length 100% match
ccsbBroadEn_01788	ccsbBroad304_01788		BC001359	7529	YWHAB	no errors	hORFeome V8.1 Collection	7529	YWHAB	NM_003404.3; NM_139323.2	Full Length 100% match
ccsbBroadEn_01789	ccsbBroad304_01789		BC008080,BC020217	7536	SF1	no errors	hORFeome V8.1 Collection	7536	SF1	NM_201998.2	Full Length 100% match
ccsbBroadEn_01790	ccsbBroad304_01790	454	BC012530	7542	ZFPL1	no errors	hORFeome V8.1 Collection	7542	ZFPL1	NM_006782.3	Full Length 100% match
ccsbBroadEn_01791	ccsbBroad304_01791	454	BC114526	7544	ZFY	no errors	hORFeome V8.1 Collection	7544	ZFY	NM_001145275.1	Full Length 100% match
ccsbBroadEn_01792	ccsbBroad304_01792	454	BC104848	7545	ZIC1	no errors	hORFeome V8.1 Collection	7545	ZIC1	NM_003412.3	Full Length 100% match
ccsbBroadEn_01793	ccsbBroad304_01793		BC113393,BC113395	7547	ZIC3	no errors	hORFeome V8.1 Collection	7547	ZIC3	NM_003413.3	Full Length 100% match
ccsbBroadEn_01794	ccsbBroad304_01794		BC014911	7555	CNBP	no errors	hORFeome V8.1 Collection	7555	CNBP	NM_001127196.1	Full Length 100% match
ccsbBroadEn_01795	ccsbBroad304_01795		BC010642,BC053687	7570	ZNF22	no errors	hORFeome V8.1 Collection	7570	ZNF22	NM_006963.4	Full Length 100% match



ccsbBroadEn_01796	ccsbBroad304_01796		BC007256	7571	ZNF23	no errors	hORFeome V8.1 Collection	7571	ZNF23	NM_145911.1	Full Length 100% match
ccsbBroadEn_01797	ccsbBroad304_01797		BC022842	7580	ZNF32	no errors	hORFeome V8.1 Collection	7580	ZNF32	NM_001005368.1; NM_006973.2	Full Length 100% match
ccsbBroadEn_01798	ccsbBroad304_01798	454	BC013597	7584	ZNF35	no errors	hORFeome V8.1 Collection	7584	ZNF35	NM_003420.3	Full Length 100% match
ccsbBroadEn_01799	ccsbBroad304_01799		BC112224,BC113697	7586	ZKSCAN1	no errors	hORFeome V8.1 Collection	7586	ZKSCAN1	NM_003439.1	Full Length 100% match
ccsbBroadEn_01800	ccsbBroad304_01800		BC047309	7589	ZSCAN21	no errors	hORFeome V8.1 Collection	7589	ZSCAN21	NM_145914.2	Full Length 100% match
ccsbBroadEn_01801	ccsbBroad304_01801		BC015023	7592	ZNF41	no errors	hORFeome V8.1 Collection	7592	ZNF41	NM_007130.2; NM_153380.2	Full Length 100% match
ccsbBroadEn_01802	ccsbBroad304_01802		BC007777	7593	MZF1	no errors	hORFeome V8.1 Collection	7593	MZF1	NM_003422.2; NM_198055.1	Full Length 100% match
ccsbBroadEn_01803	ccsbBroad304_01803		BC035804	7597	ZBTB25	no errors	hORFeome V8.1 Collection	7597	ZBTB25	NM_006977.2	Full Length 100% match
ccsbBroadEn_01804	ccsbBroad304_01804		BC051309	7620	ZNF69	no errors	hORFeome V8.1 Collection	7620	ZNF69	NM_021915.2	Full Length 100% match
ccsbBroadEn_01805	ccsbBroad304_01805		BC119652,CCSB53335	7627	ZNF75A	no errors	hORFeome V8.1 Collection	7627	ZNF75A	NM_153028.2	Full Length 100% match
ccsbBroadEn_01806	ccsbBroad304_01806	454	BC000133,BC002549	7629	ZNF76	no errors	hORFeome V8.1 Collection	7629	ZNF76	NM_003427.3	Full Length 100% match
ccsbBroadEn_01807	ccsbBroad304_01807		BC044639	7681	MKRN3	no errors	hORFeome V8.1 Collection	7681	MKRN3	NM_005664.3	Full Length 100% match
ccsbBroadEn_01808	ccsbBroad304_01808		BC112294,BC113410	7693	ZNF134	no errors	hORFeome V8.1 Collection	7693	ZNF134	NM_003435.3	Full Length 100% match
ccsbBroadEn_01809	ccsbBroad304_01809		BC006421	7695	ZNF136	no errors	hORFeome V8.1 Collection	7695	ZNF136	NM_003437.3	Full Length 100% match
ccsbBroadEn_01810	ccsbBroad304_01810	454	BC040561	7699	ZNF140	no errors	hORFeome V8.1 Collection	7699	ZNF140	NM_003440.2	Full Length 100% match
ccsbBroadEn_01811	ccsbBroad304_01811		BC004858,BC024255	7703	PCGF2	no errors	hORFeome V8.1 Collection	7703	PCGF2	NM_007144.2	Full Length 100% match
ccsbBroadEn_01812	ccsbBroad304_01812		BC052997	7728	ZNF175	no errors	hORFeome V8.1 Collection	7728	ZNF175	NM_007147.2	Full Length 100% match
ccsbBroadEn_01813	ccsbBroad304_01813		BC012012	7730	ZNF177	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7730	ZNF177	NM_003451.2; NM_001172650.1	Full Length 100% match
ccsbBroadEn_01814	ccsbBroad304_01814		BC053989	7732	RNF112	no errors	hORFeome V8.1 Collection	7732	RNF112	NM_007148.4	Full Length 100% match
ccsbBroadEn_01815	ccsbBroad304_01815		BC000832,BC020556	7737	RNF113A	no errors	hORFeome V8.1 Collection	7737	RNF113A	NM_006978.2	Full Length 100% match
ccsbBroadEn_01816	ccsbBroad304_01816	454	BC096282	7745	ZNF192	no errors	hORFeome V8.1 Collection	7745	ZNF192	NM_006298.2	Full Length 100% match
ccsbBroadEn_01817	ccsbBroad304_01817		BC010374	7746	ZNF193	no errors	hORFeome V8.1 Collection	7746	ZNF193	NM_006299.4; NM_001199480.1	Full Length 100% match
ccsbBroadEn_01818	ccsbBroad304_01818		BC012909	7752	ZNF200	no errors	hORFeome V8.1 Collection	7752	ZNF200	NM_003454.3; NM_198088.2	Full Length 100% match
ccsbBroadEn_01819	ccsbBroad304_01819		BC007287	7760	ZNF213	no errors	hORFeome V8.1 Collection	7760	ZNF213	NM_004220.2; NM_001134655.1	Full Length 100% match
ccsbBroadEn_01820	ccsbBroad304_01820		BC113427	7764	ZNF217	no errors	hORFeome V8.1 Collection	7764	ZNF217	NM_006526.2	Full Length 100% match
ccsbBroadEn_01821	ccsbBroad304_01821		BC108912	7768	ZNF225	no errors	hORFeome V8.1 Collection	7768	ZNF225	NM_013362.2	Full Length 100% match
ccsbBroadEn_01822	ccsbBroad304_01822		BC047570	7770	ZNF227	no errors	hORFeome V8.1 Collection	7770	ZNF227	NM_182490.1	Full Length 100% match
ccsbBroadEn_01823	ccsbBroad304_01823		BC050340	7773	ZNF230	no errors	hORFeome V8.1 Collection	7773	ZNF230	NM_006300.3	Full Length 100% match
ccsbBroadEn_01824	ccsbBroad304_01824		BC121015	7779	SLC30A1	no errors	hORFeome V8.1 Collection	7779	SLC30A1	NM_021194.2	Full Length 100% match
ccsbBroadEn_01825	ccsbBroad304_01825		BC006251	7780	SLC30A2	no errors	hORFeome V8.1 Collection	7780	SLC30A2	NM_032513.3	Full Length 100% match
ccsbBroadEn_01826	ccsbBroad304_01826		BC026089	7782	SLC30A4	no errors	hORFeome V8.1 Collection	7782	SLC30A4	NM_013309.4	Full Length 100% match
ccsbBroadEn_01827	ccsbBroad304_01827		BC008743,BC010031	7791	ZYX	no errors	hORFeome V8.1 Collection	7791	ZYX	NM_003461.4; NM_001010972.1	Full Length 100% match
ccsbBroadEn_01828	ccsbBroad304_01828		BC023975	7803	PTP4A1	no errors	hORFeome V8.1 Collection	7803	PTP4A1	NM_003463.3	Full Length 100% match
ccsbBroadEn_01829	ccsbBroad304_01829		BC103898	7809	BSND	no errors	hORFeome V8.1 Collection	7809	BSND	NM_057176.2	Full Length 100% match
ccsbBroadEn_01830	ccsbBroad304_01830		BC107488	7818	DAP3	no errors	hORFeome V8.1 Collection	7818	DAP3	NM_004632.2; NM_033657.1	Full Length 100% match
ccsbBroadEn_01831	ccsbBroad304_01831		BC006468	7846	TUBA1A	no errors	hORFeome V8.1 Collection	7846	TUBA1A	NM_006009.2	Full Length 100% match
ccsbBroadEn_01832	ccsbBroad304_01832		BC001060	7849	PAX8	no errors	hORFeome V8.1 Collection	7849	PAX8	NM_003466.3	Full Length 100% match
ccsbBroadEn_01833	ccsbBroad304_01833		BC039031	7850	IL1R2	no errors	hORFeome V8.1 Collection	7850	IL1R2	NM_173343.1; NM_004633.3	Full Length 100% match
ccsbBroadEn_01834	ccsbBroad304_01834		BC003179	7851	MALL	no errors	hORFeome V8.1 Collection	7851	MALL	NM_005434.4	Full Length 100% match
ccsbBroadEn_01835	ccsbBroad304_01835		BC020968	7852	CXCR4	no errors	hORFeome V8.1 Collection	7852	CXCR4	NM_003467.2	Full Length 100% match
ccsbBroadEn_01836	ccsbBroad304_01836		BC001662,BC010407	7867	MAPKAPK3	no errors	hORFeome V8.1 Collection	7867	MAPKAPK3	NM_004635.3	Full Length 100% match
ccsbBroadEn_01837	ccsbBroad304_01837		BC013975,BC024220	7869	SEMA3B	no errors	hORFeome V8.1 Collection	7869	SEMA3B	NM_001005914.1	Full Length 100% match
ccsbBroadEn_01838	ccsbBroad304_01838		BC007282	7873	MANF	no errors	hORFeome V8.1 Collection	7873	MANF	NM_006010.4	Full Length 100% match
ccsbBroadEn_01839	ccsbBroad304_01839		BC014908,BC015703	7884	SLBP	no errors	hORFeome V8.1 Collection	7884	SLBP	NM_006527.2	Full Length 100% match
ccsbBroadEn_01840	ccsbBroad304_01840		BC035259	7913	DEK	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	7913	DEK	NM_003472.3	Full Length 100% match
ccsbBroadEn_01841	ccsbBroad304_01841		BC003133	7917	BAG6	no errors	hORFeome V8.1 Collection	7917	BAG6	NM_080702.2; NM_080703.2; NM_001098534.1	Full Length 100% match
ccsbBroadEn_01842	ccsbBroad304_01842		BC008783	7918	GPANK1	no errors	hORFeome V8.1 Collection	7918	GPANK1	NM_001199237.1; NM_033177.3; NM_001199238.1; NM_001199239.1; NM_001199240.1	Full Length 100% match
ccsbBroadEn_01843	ccsbBroad304_01843		BC000645	7922	SLC39A7	no errors	hORFeome V8.1 Collection	7922	SLC39A7	NM_001077516.1; NM_006979.2	Full Length 100% match
ccsbBroadEn_01844	ccsbBroad304_01844		BC008185	7923	HSD17B8	no errors	hORFeome V8.1 Collection	7923	HSD17B8	NM_014234.3	Full Length 100% match
ccsbBroadEn_01845	ccsbBroad304_01845		BC025235,BC050617	7936	RDBP	no errors	hORFeome V8.1 Collection	7936	RDBP	NM_002904.5	Full Length 100% match
ccsbBroadEn_01846	ccsbBroad304_01846		BC103856	7940	LST1	no errors	hORFeome V8.1 Collection	7940	LST1	NM_205838.2	Full Length 100% match
ccsbBroadEn_01847	ccsbBroad304_01847		BC032448	7942	TFEB	no errors	hORFeome V8.1 Collection	7942	TFEB	NM_007162.2; NM_001167827.1	Full Length 100% match
ccsbBroadEn_01848	ccsbBroad304_01848		BC013630	7965	AIMP2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7965	AIMP2	NM_006303.3	Full Length 100% match
ccsbBroadEn_01849	ccsbBroad304_01849	454	BC148265	7975	MAFK	no errors	hORFeome V8.1 Collection	7975	MAFK	NM_002360.3	Full Length 100% match
ccsbBroadEn_01850	ccsbBroad304_01850		BC032782	7979	SHFM1	no errors	hORFeome V8.1 Collection	7979	SHFM1	NM_006304.1	Full Length 100% match
ccsbBroadEn_01851	ccsbBroad304_01851		BC005330	7980	TFPI2	no errors	hORFeome V8.1 Collection	7980	TFPI2	NM_006528.2	Full Length 100% match
ccsbBroadEn_01852	ccsbBroad304_01852		BC022785	7988	ZNF212	no errors	hORFeome V8.1 Collection	7988	ZNF212	NM_012256.3	Full Length 100% match
ccsbBroadEn_01853	ccsbBroad304_01853		BC010370	7991	TUSC3	no errors	hORFeome V8.1 Collection	7991	TUSC3	NM_178234.1	Full Length 100% match
ccsbBroadEn_01854	ccsbBroad304_01854		BC080577	8028	MLL10	no errors	hORFeome V8.1 Collection	8028	MLL10	NM_001195627.1	Full Length 100% match
ccsbBroadEn_01855	ccsbBroad304_01855		BC001562	8031	NCOA4	no errors	hORFeome V8.1 Collection	8031	NCOA4	NM_001145262.1; NM_001145263.1	Full Length 100% match
ccsbBroadEn_01856	ccsbBroad304_01856		BC050445	8036	SHOC2	no errors	hORFeome V8.1 Collection	8036	SHOC2	NM_005437.3	Full Length 100% match
ccsbBroadEn_01857	ccsbBroad304_01857		BC106921	8045	RASSF7	no errors	hORFeome V8.1 Collection	8045	RASSF7	NM_007373.3	Full Length 100% match
ccsbBroadEn_01858	ccsbBroad304_01858		BC016648	8061	FOSL1	no errors	hORFeome V8.1 Collection	8061	FOSL1	NM_003475.3	Full Length 100% match
ccsbBroadEn_01859	ccsbBroad304_01859		BC070182	8073	PTP4A2	no errors	hORFeome V8.1 Collection	8073	PTP4A2	NM_005438.3	Full Length 100% match
ccsbBroadEn_01860	ccsbBroad304_01860		BC005901	8076	MFAP5	no errors	hORFeome V8.1 Collection	8076	MFAP5	NM_080391.3	Full Length 100% match
ccsbBroadEn_01861	ccsbBroad304_01861	454	BC000898,BC002340	8079	MLF2	no errors	hORFeome V8.1 Collection	8079	MLF2	NM_003480.2	Full Length 100% match
ccsbBroadEn_01862	ccsbBroad304_01862		BC000994	8089	YEATS4	no errors	hORFeome V8.1 Collection	8089	YEATS4	NM_005439.2	Full Length 100% match
ccsbBroadEn_01863	ccsbBroad304_01863		BC034717	8099	CDK2AP1	no errors	hORFeome V8.1 Collection	8099	CDK2AP1	NM_006530.2	Full Length 100% match
ccsbBroadEn_01864	ccsbBroad304_01864		BC096071	8111	GPR68	no errors	hORFeome V8.1 Collection	8111	GPR68	NM_004642.2	Full Length 100% match
ccsbBroadEn_01865	ccsbBroad304_01865		BC003574,BC005831	8115	TCL1A	no errors	hORFeome V8.1 Collection	8115	TCL1A	NM_003485.3; NM_001177676.1	Full Length 100% match
ccsbBroadEn_01866	ccsbBroad304_01866		BC004185	8131	NPRL3	no errors	hORFeome V8.1 Collection	8131	NPRL3	NM_001098725.1; NM_021966.2	Full Length 100% match
ccsbBroadEn_01866	ccsbBroad304_01866		BC004185	8131	NPRL3	no errors	hORFeome V8.1 Collection	8131	NPRL3	NM_001039476.1	Full Length 100% match



ccsbBroadEn_01867	ccsbBroad304_01867		BC044840	8139	GAN	no errors	hORFeome V8.1 Collection	8139	GAN	NM_022041.3	Full Length 100% match
ccsbBroadEn_01868	ccsbBroad304_01868		BC005910	8190	MIA	no errors	hORFeome V8.1 Collection	8190	MIA	NM_006533.2	Full Length 100% match
ccsbBroadEn_01869	ccsbBroad304_01869		BC119001	8202	NCOA3	no errors	hORFeome V8.1 Collection	8202	NCOA3	NM_006534.3	Full Length 100% match
ccsbBroadEn_01870	ccsbBroad304_01870		BC021218	8208	CHAF1B	no errors	hORFeome V8.1 Collection	8208	CHAF1B	NM_005441.2	Full Length 100% match
ccsbBroadEn_01871	ccsbBroad304_01871		BC003587	8209	C21orf33	no errors	hORFeome V8.1 Collection	8209	C21orf33	NM_004649.6	Full Length 100% match
ccsbBroadEn_01872	ccsbBroad304_01872		BC006542	8220	DGCR14	no errors	hORFeome V8.1 Collection	8220	DGCR14	NM_022719.2	Full Length 100% match
ccsbBroadEn_01873	ccsbBroad304_01873		BC117460	8224	SYN3	no errors	hORFeome V8.1 Collection	8224	SYN3	NM_001135774.1	Full Length 100% match
ccsbBroadEn_01874	ccsbBroad304_01874		BC113454,BC113480	8233	ZRSR2	no errors	hORFeome V8.1 Collection	8233	ZRSR2	NM_005089.3	Full Length 100% match
ccsbBroadEn_01875	ccsbBroad304_01875	454	BC140849	8237	USP11	no errors	hORFeome V8.1 Collection	8237	USP11	NM_004651.3	Full Length 100% match
ccsbBroadEn_01876	ccsbBroad304_01876		BC004181,BC024153	8241	RBM10	no errors	hORFeome V8.1 Collection	8241	RBM10	NM_005676.3	Full Length 100% match
ccsbBroadEn_01877	ccsbBroad304_01877		BC000308	8260	NAA10	no errors	hORFeome V8.1 Collection	8260	NAA10	NM_003491.2	Full Length 100% match
ccsbBroadEn_01878	ccsbBroad304_01878		BC043346,BC053589	8266	UBL4A	no errors	hORFeome V8.1 Collection	8266	UBL4A	NM_014235.3	Full Length 100% match
ccsbBroadEn_01879	ccsbBroad304_01879		BC008203,BC017026	8269	TMEM187	no errors	hORFeome V8.1 Collection	8269	TMEM187	NM_003492.2	Full Length 100% match
ccsbBroadEn_01880	ccsbBroad304_01880		BC015744,BC062330	8270	LAGE3	no errors	hORFeome V8.1 Collection	8270	LAGE3	NM_006014.3	Full Length 100% match
ccsbBroadEn_01881	ccsbBroad304_01881		BC004966	8273	SLC10A3	no errors	hORFeome V8.1 Collection	8273	SLC10A3	NM_001142391.1	Full Length 100% match
ccsbBroadEn_01882	ccsbBroad304_01882		BC035932	8293	SERF1A	no errors	hORFeome V8.1 Collection	8293; 728492	SERF1A; SERF1B	NM_021967.2;	Full Length 100% match
ccsbBroadEn_01883	ccsbBroad304_01883		BC016336	8294	HIST1H4I	no errors	hORFeome V8.1 Collection	8294	HIST1H4I	NM_003495.2	Full Length 100% match
ccsbBroadEn_01884	ccsbBroad304_01884	454	BC073961	8301	PICALM	no errors	hORFeome V8.1 Collection	8301	PICALM	NM_001008660.1	Full Length 100% match
ccsbBroadEn_01885	ccsbBroad304_01885		BC017784	8302	KLRC4	no errors	hORFeome V8.1 Collection	8302	KLRC4	NM_013431.2	Full Length 100% match
ccsbBroadEn_01886	ccsbBroad304_01886		BC036100,BC036443	8303	SNN	no errors	hORFeome V8.1 Collection	8303	SNN	NM_003498.5	Full Length 100% match
ccsbBroadEn_01887	ccsbBroad304_01887		BC047700	8309	ACOX2	no errors	hORFeome V8.1 Collection	8309	ACOX2	NM_003500.3	Full Length 100% match
ccsbBroadEn_01888	ccsbBroad304_01888		BC017053	8310	ACOX3	no errors	hORFeome V8.1 Collection	8310	ACOX3	NM_001101667.1	Full Length 100% match
ccsbBroadEn_01889	ccsbBroad304_01889		BC114527	8322	FZD4	no errors	hORFeome V8.1 Collection	8322	FZD4	NM_012193.2	Full Length 100% match
ccsbBroadEn_01890	ccsbBroad304_01890		BC015915	8324	FZD7	no errors	hORFeome V8.1 Collection	8324	FZD7	NM_003507.1	Full Length 100% match
ccsbBroadEn_01891	ccsbBroad304_01891		BC112254,BC112256	8329	HIST1H2AI	no errors	hORFeome V8.1 Collection	8329	HIST1H2AI	NM_003509.2	Full Length 100% match
ccsbBroadEn_01892	ccsbBroad304_01892		BC104199	8330	HIST1H2AK	no errors	hORFeome V8.1 Collection	8330	HIST1H2AK	NM_003510.2	Full Length 100% match
ccsbBroadEn_01893	ccsbBroad304_01893		BC069306	8332	HIST1H2AL	no errors	hORFeome V8.1 Collection	8332	HIST1H2AL	NM_003511.2	Full Length 100% match
ccsbBroadEn_01894	ccsbBroad304_01894		BC050602	8334	HIST1H2AC	no errors	hORFeome V8.1 Collection	8334	HIST1H2AC	NM_003512.3	Full Length 100% match
ccsbBroadEn_01895	ccsbBroad304_01895		BC032756	8336	HIST1H2AM	no errors	hORFeome V8.1 Collection	8336	HIST1H2AM	NM_003514.2	Full Length 100% match
ccsbBroadEn_01896	ccsbBroad304_01896		BC060324	8338	HIST2H2AC	no errors	hORFeome V8.1 Collection	8338	HIST2H2AC	NM_003517.2	Full Length 100% match
ccsbBroadEn_01897	ccsbBroad304_01897			8339	HIST1H2BG	no errors	hORFeome V8.1 Collection	8339	HIST1H2BG	NM_003518.3	Full Length 100% match
ccsbBroadEn_01898	ccsbBroad304_01898		BC009783	8341	HIST1H2BN	no errors	hORFeome V8.1 Collection	8341	HIST1H2BN	NM_003520.3	Full Length 100% match
ccsbBroadEn_01899	ccsbBroad304_01899	454	BC067486	8342	HIST1H2BM	no errors	hORFeome V8.1 Collection	8342	HIST1H2BM	NM_003521.2	Full Length 100% match
ccsbBroadEn_01900	ccsbBroad304_01900		BC096120	8343	HIST1H2BF	no errors	hORFeome V8.1 Collection	8343	HIST1H2BF	NM_003522.3	Full Length 100% match
ccsbBroadEn_01901	ccsbBroad304_01901		BC096116	8345	HIST1H2BH	no errors	hORFeome V8.1 Collection	8345	HIST1H2BH	NM_003524.2	Full Length 100% match
ccsbBroadEn_01902	ccsbBroad304_01902		BC106720	8348	HIST1H2BO	no errors	hORFeome V8.1 Collection	8348	HIST1H2BO	NM_003527.4	Full Length 100% match
ccsbBroadEn_01903	ccsbBroad304_01903		BC069193	8349	HIST2H2BE	no errors	hORFeome V8.1 Collection	8349	HIST2H2BE	NM_003528.2	Full Length 100% match
ccsbBroadEn_01904	ccsbBroad304_01904		BC069303	8350	HIST1H3A	no errors	hORFeome V8.1 Collection	8350	HIST1H3A	NM_003529.2	Full Length 100% match
ccsbBroadEn_01905	ccsbBroad304_01905		BC127610	8352	HIST1H3C	no errors	hORFeome V8.1 Collection	8352	HIST1H3C	NM_003531.2	Full Length 100% match
ccsbBroadEn_01906	ccsbBroad304_01906		BC052981	8353	HIST1H3E	no errors	hORFeome V8.1 Collection	8353	HIST1H3E	NM_003532.2	Full Length 100% match
ccsbBroadEn_01907	ccsbBroad304_01907		BC012185	8355	HIST1H3G	no errors	hORFeome V8.1 Collection	8355	HIST1H3G	NM_003534.2	Full Length 100% match
ccsbBroadEn_01908	ccsbBroad304_01908		BC007518	8357	HIST1H3H	no errors	hORFeome V8.1 Collection	8357	HIST1H3H	NM_003536.2	Full Length 100% match
ccsbBroadEn_01909	ccsbBroad304_01909		BC096132	8358	HIST1H3B	no errors	hORFeome V8.1 Collection	8358	HIST1H3B	NM_003537.3	Full Length 100% match
ccsbBroadEn_01910	ccsbBroad304_01910		BC069654	8359	HIST1H4A	no errors	hORFeome V8.1 Collection	8359	HIST1H4A	NM_003538.3	Full Length 100% match
ccsbBroadEn_01911	ccsbBroad304_01911		BC069288	8361	HIST1H4F	no errors	hORFeome V8.1 Collection	8361	HIST1H4F	NM_003540.3	Full Length 100% match
ccsbBroadEn_01912	ccsbBroad304_01912		BC017361	8363	HIST1H4J	no errors	hORFeome V8.1 Collection	8363; 8362	HIST1H4J; HIST1H4K	NM_021968.3;	Full Length 100% match
ccsbBroadEn_01913	ccsbBroad304_01913		BC054014	8364	HIST1H4C	no errors	hORFeome V8.1 Collection	8364	HIST1H4C	NM_003542.3	Full Length 100% match
ccsbBroadEn_01914	ccsbBroad304_01914		BC069467	8366	HIST1H4B	no errors	hORFeome V8.1 Collection	8366	HIST1H4B	NM_003544.2	Full Length 100% match
ccsbBroadEn_01915	ccsbBroad304_01915		BC012587	8367	HIST1H4E	no errors	hORFeome V8.1 Collection	8367	HIST1H4E	NM_003545.3	Full Length 100% match
ccsbBroadEn_01916	ccsbBroad304_01916		BC069392	8368	HIST1H4L	no errors	hORFeome V8.1 Collection	8368	HIST1H4L	NM_003546.2	Full Length 100% match
ccsbBroadEn_01917	ccsbBroad304_01917		BC126276,BC126278	8369	HIST1H4G	no errors	hORFeome V8.1 Collection	8369	HIST1H4G	NM_003547.2	Full Length 100% match
ccsbBroadEn_01918	ccsbBroad304_01918		BC026182	8382	NME5	no errors	hORFeome V8.1 Collection	8382	NME5	NM_003551.2	Full Length 100% match
ccsbBroadEn_01919	ccsbBroad304_01919	454	BC106731	8399	PLA2G10	no errors	hORFeome V8.1 Collection	8399	PLA2G10	NM_003561.1	Full Length 100% match
ccsbBroadEn_01920	ccsbBroad304_01920		BC006508,BC016294	8402	SLC25A11	no errors	hORFeome V8.1 Collection	8402	SLC25A11	NM_003562.4	Full Length 100% match
ccsbBroadEn_01921	ccsbBroad304_01921	454	BC106729	8403	SOX14	no errors	hORFeome V8.1 Collection	8403	SOX14	NM_004189.3	Full Length 100% match
ccsbBroadEn_01922	ccsbBroad304_01922		BC020684	8406	SRPX	no errors	hORFeome V8.1 Collection	8406	SRPX	NM_006307.4	Full Length 100% match
ccsbBroadEn_01923	ccsbBroad304_01923		BC000720,BC008890	8409	UXT	no errors	hORFeome V8.1 Collection	8409	UXT	NM_004182.2	Full Length 100% match
ccsbBroadEn_01924	ccsbBroad304_01924		BC039895	8412	BCAR3	no errors	hORFeome V8.1 Collection	8412	BCAR3	NM_003567.2	Full Length 100% match
ccsbBroadEn_01925	ccsbBroad304_01925		BC011975	8417	STX7	no errors	hORFeome V8.1 Collection	8417	STX7	NM_003569.2	Full Length 100% match
ccsbBroadEn_01926	ccsbBroad304_01926		BC113518,BC113520	8419	Bfsp2	no errors	hORFeome V8.1 Collection	8419	Bfsp2	NM_003571.2	Full Length 100% match
ccsbBroadEn_01927	ccsbBroad304_01927		BC030207	8431	NR0B2	no errors	hORFeome V8.1 Collection	8431	NR0B2	NM_021969.2	Full Length 100% match
ccsbBroadEn_01928	ccsbBroad304_01928		BC000103,BC007195	8440	NCK2	no errors	hORFeome V8.1 Collection	8440	NCK2	NM_003581.3;	Full Length 100% match
ccsbBroadEn_01929	ccsbBroad304_01929		BC006375	8445	DYRK2	no errors	hORFeome V8.1 Collection	8445	DYRK2	NM_001004720.2	Full Length 100% match
ccsbBroadEn_01930	ccsbBroad304_01930		BC009591	8453	CUL2	no errors	hORFeome V8.1 Collection	8453	CUL2	NM_006482.2	Full Length 100% match
ccsbBroadEn_01931	ccsbBroad304_01931		BC001057	8459	TPST2	no errors	hORFeome V8.1 Collection	8459	TPST2	NM_003591.3;	Full Length 100% match
ccsbBroadEn_01932	ccsbBroad304_01932		BC013188	8460	TPST1	no errors	hORFeome V8.1 Collection	8460	TPST1	NM_001198777.1	Full Length 100% match
ccsbBroadEn_01933	ccsbBroad304_01933		BC007556	8463	TEAD2	no errors	hORFeome V8.1 Collection	8463	TEAD2	NM_001008566.1;	Full Length 100% match
ccsbBroadEn_01934	ccsbBroad304_01934		BC036817	8468	FKBP6	no errors	hORFeome V8.1 Collection	8468	FKBP6	NM_003595.3	Full Length 100% match
ccsbBroadEn_01935	ccsbBroad304_01935		BC000588	8479	HIRIP3	no errors	hORFeome V8.1 Collection	8479	HIRIP3	NM_003596.3	Full Length 100% match
ccsbBroadEn_01936	ccsbBroad304_01936		BC106923	8480	RAE1	no errors	hORFeome V8.1 Collection	8480	RAE1	NM_003598.1	Full Length 100% match
ccsbBroadEn_01937	ccsbBroad304_01937	454	BC101643	8482	SEMA7A	no errors	hORFeome V8.1 Collection	8482	SEMA7A	NM_003602.3	Full Length 100% match
ccsbBroadEn_01938	ccsbBroad304_01938	454	BC104968	8487	SIP1	no errors	hORFeome V8.1 Collection	8487	SIP1	NM_003609.3	Full Length 100% match
ccsbBroadEn_01939	ccsbBroad304_01939		BC030059	8490	RGS5	no errors	hORFeome V8.1 Collection	8490	RGS5	NM_003610.3;	Full Length 100% match
ccsbBroadEn_01940	ccsbBroad304_01940		BC001639	8501	SLC43A1	no errors	hORFeome V8.1 Collection	8501	SLC43A1	NM_003617.3	Full Length 100% match
ccsbBroadEn_01941	ccsbBroad304_01941		BC014551,BC015506	8504	PEX3	no errors	hORFeome V8.1 Collection	8504	PEX3	NM_003627.5;	Full Length 100% match
ccsbBroadEn_01942	ccsbBroad304_01942		BC000418	8507	ENC1	no errors	hORFeome V8.1 Collection	8507	ENC1	NM_001198810.1	Full Length 100% match
ccsbBroadEn_01943	ccsbBroad304_01943		BC035711	8509	NDST2	no errors	hORFeome V8.1 Collection	8509	NDST2	NM_003630.2	Full Length 100% match
ccsbBroadEn_01944	ccsbBroad304_01944	454	BC025719	8510	MMP23B	no errors	hORFeome V8.1 Collection	8510	MMP23B	NM_003633.2	Full Length 100% match
ccsbBroadEn_01945	ccsbBroad304_01945		BC000299,BC050612	8517	IKBK	no errors	hORFeome V8.1 Collection	8517	IKBK	NM_003635.3	Full Length 100% match
ccsbBroadEn_01946	ccsbBroad304_01946		BC000897	8519	IFITM1	no errors	hORFeome V8.1 Collection	8519	IFITM1	NM_006983.1	Full Length 100% match
ccsbBroadEn_01947	ccsbBroad304_01947		BC096288	8521	GCM1	no errors	hORFeome V8.1 Collection	8521	GCM1	NM_003639.3;	Full Length 100% match
ccsbBroadEn_01948	ccsbBroad304_01948		BC001152,BC006454	8522	GAS7	no errors	hORFeome V8.1 Collection	8522	GAS7	NM_001099857.1	Full Length 100% match
ccsbBroadEn_01949	ccsbBroad304_01949		BC106755	8536	CAMK1	no errors	hORFeome V8.1 Collection	8536	CAMK1	NM_003641.3	Full Length 100% match



ccsbBroadEn_01950	ccsbBroad304_01950		BC052980	8545	CGGBP1	no errors	hORFeome V8.1 Collection	8545	CGGBP1	NM_003663.3; NM_001008390.1; NM_001195308.1	Full Length 100% match
ccsbBroadEn_01951	ccsbBroad304_01951		BC020716	8548	BLZF1	no errors	hORFeome V8.1 Collection	8548	BLZF1	NM_003666.2	Full Length 100% match
ccsbBroadEn_01952	ccsbBroad304_01952		BC041049,BC047284	8550	MAPKAPK5	no errors	hORFeome V8.1 Collection	8550	MAPKAPK5	NM_003668.2	Full Length 100% match
ccsbBroadEn_01953	ccsbBroad304_01953		BC121797	8554	PIAS1	no errors	hORFeome V8.1 Collection	8554	PIAS1	NM_016166.1	Full Length 100% match
ccsbBroadEn_01954	ccsbBroad304_01954	454	BC093916	8556	CDC14A	no errors	hORFeome V8.1 Collection	8556	CDC14A	NM_033313.2	Full Length 100% match
ccsbBroadEn_01955	ccsbBroad304_01955		BC017342	8558	CDK10	no errors	hORFeome V8.1 Collection	8558	CDK10	NM_001098533.2	Full Length 100% match
ccsbBroadEn_01956	ccsbBroad304_01956		BC000961	8560	DEGS1	no errors	hORFeome V8.1 Collection	8560	DEGS1	NM_003676.2	Full Length 100% match
ccsbBroadEn_01957	ccsbBroad304_01957		BC007860	8562	DENR	no errors	hORFeome V8.1 Collection	8562	DENR	NM_003677.3	Full Length 100% match
ccsbBroadEn_01958	ccsbBroad304_01958		BC001933,BC016689	8565	YARS	no errors	hORFeome V8.1 Collection	8565	YARS	NM_003680.3	Full Length 100% match
ccsbBroadEn_01959	ccsbBroad304_01959		BC000123	8566	PDXK	no errors	hORFeome V8.1 Collection	8566	PDXK	NM_003681.4	Full Length 100% match
ccsbBroadEn_01960	ccsbBroad304_01960		BC117311	8573	CASK	no errors	hORFeome V8.1 Collection	8573	CASK	NM_001126054.2	Full Length 100% match
ccsbBroadEn_01961	ccsbBroad304_01961		BC009470	8575	PRKRA	no errors	hORFeome V8.1 Collection	8575	PRKRA	NM_003690.4	Full Length 100% match
ccsbBroadEn_01962	ccsbBroad304_01962		BC053998	8576	STK16	no errors	hORFeome V8.1 Collection	8576	STK16	NM_001008910.2	Full Length 100% match
ccsbBroadEn_01963	ccsbBroad304_01963	454	BC101489	8590	OR6A2	no errors	hORFeome V8.1 Collection	8590	OR6A2	NM_003696.2	Full Length 100% match
ccsbBroadEn_01964	ccsbBroad304_01964		BC117286,BC117288	8600	TNFSF11	no errors	hORFeome V8.1 Collection	8600	TNFSF11	NM_003701.3	Full Length 100% match
ccsbBroadEn_01965	ccsbBroad304_01965		BC063490	8601	RGS20	no errors	hORFeome V8.1 Collection	8601	RGS20	NM_003702.3	Full Length 100% match
ccsbBroadEn_01966	ccsbBroad304_01966		BC002993,BC012886	8607	RUVBL1	no errors	hORFeome V8.1 Collection	8607	RUVBL1	NM_003707.2	Full Length 100% match
ccsbBroadEn_01967	ccsbBroad304_01967		BC039847	8611	PPAP2A	no errors	hORFeome V8.1 Collection	8611	PPAP2A	NM_003711.2	Full Length 100% match
ccsbBroadEn_01968	ccsbBroad304_01968		BC002806	8612	PPAP2C	no errors	hORFeome V8.1 Collection	8612	PPAP2C	NM_003712.2	Full Length 100% match
ccsbBroadEn_01969	ccsbBroad304_01969		BC000658,BC013958	8614	STC2	no errors	hORFeome V8.1 Collection	8614	STC2	NM_003714.2	Full Length 100% match
ccsbBroadEn_01970	ccsbBroad304_01970		BC114563	8625	RFXANK	no errors	hORFeome V8.1 Collection	8625	RFXANK	NM_003721.2	Full Length 100% match
ccsbBroadEn_01971	ccsbBroad304_01971		BC039815	8626	TP63	no errors	hORFeome V8.1 Collection	8626	TP63	NM_003722.4	Full Length 100% match
ccsbBroadEn_01972	ccsbBroad304_01972		BC020710	8630	HSD17B6	no errors	hORFeome V8.1 Collection	8630	HSD17B6	NM_003725.2	Full Length 100% match
ccsbBroadEn_01973	ccsbBroad304_01973		BC047870	8631	SKAP1	no errors	hORFeome V8.1 Collection	8631	SKAP1	NM_001075099.1	Full Length 100% match
ccsbBroadEn_01974	ccsbBroad304_01974		BC001660,BC051912	8635	RNASET2	no errors	hORFeome V8.1 Collection	8635	RNASET2	NM_003730.4	Full Length 100% match
ccsbBroadEn_01975	ccsbBroad304_01975		BC000864	8636	SSNA1	no errors	hORFeome V8.1 Collection	8636	SSNA1	NM_003731.2	Full Length 100% match
ccsbBroadEn_01976	ccsbBroad304_01976		BC010881,BC069293	8637	EIF4EBP3	no errors	hORFeome V8.1 Collection	8637	EIF4EBP3	NM_003732.2	Full Length 100% match
ccsbBroadEn_01977	ccsbBroad304_01977		BC050549	8639	AOC3	no errors	hORFeome V8.1 Collection	8639	AOC3	NM_003734.2	Full Length 100% match
ccsbBroadEn_01978	ccsbBroad304_01978		BC113607	8641	PCDHGB4	no errors	hORFeome V8.1 Collection	8641	PCDHGB4	NM_032098.1	Full Length 100% match
ccsbBroadEn_01979	ccsbBroad304_01979		BC019230	8644	AKR1C3	no errors	hORFeome V8.1 Collection	8644	AKR1C3	NM_003739.4	Full Length 100% match
ccsbBroadEn_01980	ccsbBroad304_01980	454	BC060793	8645	KCNK5	no errors	hORFeome V8.1 Collection	8645	KCNK5	NM_003740.3	Full Length 100% match
ccsbBroadEn_01981	ccsbBroad304_01981		BC104245	8655	DYNLL1	no errors	hORFeome V8.1 Collection	8655	DYNLL1	NM_003746.2; NM_001037495.1; NM_001037494.1	Full Length 100% match
ccsbBroadEn_01982	ccsbBroad304_01982		BC001571	8663	EIF3C	no errors	hORFeome V8.1 Collection	8663	EIF3C	NM_003752.3; NM_001037808.1; NM_001199142.1	Full Length 100% match
ccsbBroadEn_01983	ccsbBroad304_01983		BC080515	8664	EIF3D	no errors	hORFeome V8.1 Collection	8664	EIF3D	NM_003753.3	Full Length 100% match
ccsbBroadEn_01984	ccsbBroad304_01984		BC000733	8666	EIF3G	no errors	hORFeome V8.1 Collection	8666	EIF3G	NM_003755.3	Full Length 100% match
ccsbBroadEn_01985	ccsbBroad304_01985		BC000386	8667	EIF3H	no errors	hORFeome V8.1 Collection	8667	EIF3H	NM_003756.2	Full Length 100% match
ccsbBroadEn_01986	ccsbBroad304_01986		BC000413,BC003140	8668	EIF3I	no errors	hORFeome V8.1 Collection	8668	EIF3I	NM_003757.2	Full Length 100% match
ccsbBroadEn_01987	ccsbBroad304_01987		BC005974,BC031264	8674	VAMP4	no errors	hORFeome V8.1 Collection	8674	VAMP4	NM_003762.4	Full Length 100% match
ccsbBroadEn_01988	ccsbBroad304_01988		BC033519	8676	STX11	no errors	hORFeome V8.1 Collection	8676	STX11	NM_003764.3	Full Length 100% match
ccsbBroadEn_01989	ccsbBroad304_01989		BC002426	8682	PEA15	no errors	hORFeome V8.1 Collection	8682	PEA15	NM_003768.3	Full Length 100% match
ccsbBroadEn_01990	ccsbBroad304_01990	454	BC093971	8683	SRSF9	no errors	hORFeome V8.1 Collection	8683	SRSF9	NM_003769.2	Full Length 100% match
ccsbBroadEn_01991	ccsbBroad304_01991		BC014970	8698	S1PR4	no errors	hORFeome V8.1 Collection	8698	S1PR4	NM_003775.3	Full Length 100% match
ccsbBroadEn_01992	ccsbBroad304_01992		BC006099,BC009985	8703	B4GALT3	no errors	hORFeome V8.1 Collection	8703	B4GALT3	NM_003779.2	Full Length 100% match
ccsbBroadEn_01993	ccsbBroad304_01993		BC032574	8705	B3GALT4	no errors	hORFeome V8.1 Collection	8705	B3GALT4	NM_003782.3	Full Length 100% match
ccsbBroadEn_01994	ccsbBroad304_01994		BC047618	8706	B3GALNT1	no errors	hORFeome V8.1 Collection	8706	B3GALNT1	NM_033169.2; NM_033167.2; NM_003781.3; NM_001038628.1; NM_033168.2	Full Length 100% match
ccsbBroadEn_01995	ccsbBroad304_01995		BC022507	8707	B3GALT2	no errors	hORFeome V8.1 Collection	8707	B3GALT2	NM_003783.3	Full Length 100% match
ccsbBroadEn_01996	ccsbBroad304_01996	454	BC101545	8708	B3GALT1	no errors	hORFeome V8.1 Collection	8708	B3GALT1	NM_020981.3	Full Length 100% match
ccsbBroadEn_01997	ccsbBroad304_01997		BC004861	8712	PAGE1	no errors	hORFeome V8.1 Collection	8712	PAGE1	NM_003785.3	Full Length 100% match
ccsbBroadEn_01998	ccsbBroad304_01998	454	BC137347	8714	ABCC3	no errors	hORFeome V8.1 Collection	8714	ABCC3	NM_003786.3	Full Length 100% match
ccsbBroadEn_01999	ccsbBroad304_01999		BC015500	8721	EDF1	no errors	hORFeome V8.1 Collection	8721	EDF1	NM_003792.2	Full Length 100% match
ccsbBroadEn_02000	ccsbBroad304_02000		BC018762	8723	SNX4	no errors	hORFeome V8.1 Collection	8723	SNX4	NM_003794.2	Full Length 100% match
ccsbBroadEn_02001	ccsbBroad304_02001		BC008444,BC015179	8724	SNX3	no errors	hORFeome V8.1 Collection	8724	SNX3	NM_003795.4	Full Length 100% match
ccsbBroadEn_02002	ccsbBroad304_02002	454	BC036798	8731	RNMT	no errors	hORFeome V8.1 Collection	8731	RNMT	NM_003799.1	Full Length 100% match
ccsbBroadEn_02003	ccsbBroad304_02003		BC003171,BC004129	8733	GPA1	no errors	hORFeome V8.1 Collection	8733	GPA1	NM_003801.3	Full Length 100% match
ccsbBroadEn_02004	ccsbBroad304_02004	454	BC104805	8744	TNFSF9	no errors	hORFeome V8.1 Collection	8744	TNFSF9	NM_003811.3	Full Length 100% match
ccsbBroadEn_02005	ccsbBroad304_02005		BC109024	8747	ADAM21	no errors	hORFeome V8.1 Collection	8747	ADAM21	NM_003813.2	Full Length 100% match
ccsbBroadEn_02006	ccsbBroad304_02006		BC070279	8749	ADAM18	no errors	hORFeome V8.1 Collection	8749	ADAM18	NM_001190956.1	Full Length 100% match
ccsbBroadEn_02007	ccsbBroad304_02007		BC121045	8749	ADAM18	no errors	hORFeome V8.1 Collection	8749	ADAM18	NM_014237.2	Full Length 100% match
ccsbBroadEn_02008	ccsbBroad304_02008		BC025751	8760	CDS2	no errors	hORFeome V8.1 Collection	8760	CDS2	NM_003818.2	Full Length 100% match
ccsbBroadEn_02009	ccsbBroad304_02009		BC013348	8766	RAB11A	no errors	hORFeome V8.1 Collection	8766	RAB11A	NM_004663.3	Full Length 100% match
ccsbBroadEn_02010	ccsbBroad304_02010		BC004553	8767	RIPK2	no errors	hORFeome V8.1 Collection	8767	RIPK2	NM_003821.5	Full Length 100% match
ccsbBroadEn_02011	ccsbBroad304_02011		BC017065	8771	TNFRSF6B	no errors	hORFeome V8.1 Collection	8771	TNFRSF6B	NM_032945.2; NM_003823.2	Full Length 100% match
ccsbBroadEn_02012	ccsbBroad304_02012		BC000334	8772	FADD	no errors	hORFeome V8.1 Collection	8772	FADD	NM_003824.3	Full Length 100% match
ccsbBroadEn_02013	ccsbBroad304_02013		BC003686	8773	SNAP23	no errors	hORFeome V8.1 Collection	8773	SNAP23	NM_003825.2	Full Length 100% match
ccsbBroadEn_02014	ccsbBroad304_02014		BC001165,BC028234	8775	NAPA	no errors	hORFeome V8.1 Collection	8775	NAPA	NM_003827.2	Full Length 100% match
ccsbBroadEn_02015	ccsbBroad304_02015		BC125041	8794	TNFRSF10C	no errors	hORFeome V8.1 Collection	8794	TNFRSF10C	NM_003841.3	Full Length 100% match
ccsbBroadEn_02016	ccsbBroad304_02016		BC031244	8798	DYRK4	no errors	hORFeome V8.1 Collection	8798	DYRK4	NM_003845.1	Full Length 100% match
ccsbBroadEn_02017	ccsbBroad304_02017		BC009697	8800	PEX11A	no errors	hORFeome V8.1 Collection	8800	PEX11A	NM_003847.1	Full Length 100% match
ccsbBroadEn_02018	ccsbBroad304_02018		BC027587	8803	SUCLA2	no errors	hORFeome V8.1 Collection	8803	SUCLA2	NM_003850.2	Full Length 100% match
ccsbBroadEn_02019	ccsbBroad304_02019		BC106765	8807	IL18RAP	no errors	hORFeome V8.1 Collection	8807	IL18RAP	NM_003853.2	Full Length 100% match
ccsbBroadEn_02020	ccsbBroad304_02020	454	BC109051	8811	GALR2	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	8811	GALR2	NM_003857.2	Full Length 100% match
ccsbBroadEn_02021	ccsbBroad304_02021	454	BC104977	8814	CDKL1	no errors	hORFeome V8.1 Collection	8814	CDKL1	NM_004196.3	Full Length 100% match
ccsbBroadEn_02022	ccsbBroad304_02022		BC005942	8815	BANF1	no errors	hORFeome V8.1 Collection	8815	BANF1	NM_003860.3; NM_001143985.1	Full Length 100% match
ccsbBroadEn_02023	ccsbBroad304_02023		BC069515	8820	HESX1	no errors	hORFeome V8.1 Collection	8820	HESX1	NM_003865.2	Full Length 100% match
ccsbBroadEn_02024	ccsbBroad304_02024		BC113489	8822	FGF17	no errors	hORFeome V8.1 Collection	8822	FGF17	NM_003867.2	Full Length 100% match
ccsbBroadEn_02025	ccsbBroad304_02025		BC117413	8828	NRP2	no errors	hORFeome V8.1 Collection	8828	NRP2	NM_003872.2	Full Length 100% match
ccsbBroadEn_02026	ccsbBroad304_02026		BC007737	8829	NRP1	no errors	hORFeome V8.1 Collection	8829	NRP1	NM_001024629.2	Full Length 100% match
ccsbBroadEn_02027	ccsbBroad304_02027		BC007533	8829	NRP1	no errors	hORFeome V8.1 Collection	8829	NRP1	NM_001024628.2	Full Length 100% match
ccsbBroadEn_02028	ccsbBroad304_02028		BC010399	8835	SOCS2	no errors	hORFeome V8.1 Collection	8835	SOCS2	NM_003877.3	Full Length 100% match
ccsbBroadEn_02029	ccsbBroad304_02029		BC025025	8836	GGH	no errors	hORFeome V8.1 Collection	8836	GGH	NM_003878.2	Full Length 100% match



ccsbBroadEn_02030	ccsbBroad304_02030		BC001602	8837	CFLAR	no errors	hORFeome V8.1 Collection	8837	CFLAR	NM_001127183.1;	Full Length 100% match
ccsbBroadEn_02031	ccsbBroad304_02031		BC105941	8838	WISP3	no errors	hORFeome V8.1 Collection	8838	WISP3	NM_198239.1	Full Length 100% match
ccsbBroadEn_02032	ccsbBroad304_02032		BC000456,BC016867	8848	TSC22D1	no errors	hORFeome V8.1 Collection	8848	TSC22D1	NM_006022.2	Full Length 100% match
ccsbBroadEn_02033	ccsbBroad304_02033		BC020580	8851	CDK5R1	no errors	hORFeome V8.1 Collection	8851	CDK5R1	NM_003885.2	Full Length 100% match
ccsbBroadEn_02034	ccsbBroad304_02034	454	BC074906	8858	PROZ	no errors	hORFeome V8.1 Collection	8858	PROZ	NM_003891.1	Full Length 100% match
ccsbBroadEn_02035	ccsbBroad304_02035	454	BC001600,BC009598	8872	CDC123	no errors	hORFeome V8.1 Collection	8872	CDC123	NM_006023.2	Full Length 100% match
ccsbBroadEn_02036	ccsbBroad304_02036		BC060776	8874	ARHGEF7	no errors	hORFeome V8.1 Collection	8874	ARHGEF7	NM_001113511.1	Full Length 100% match
ccsbBroadEn_02037	ccsbBroad304_02037		BC126145	8875	VNN2	no errors	hORFeome V8.1 Collection	8875	VNN2	NM_004665.2	Full Length 100% match
ccsbBroadEn_02038	ccsbBroad304_02038		BC096268	8876	VNN1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	8876	VNN1	NM_004666.2	Full Length 100% match
ccsbBroadEn_02039	ccsbBroad304_02039	454	BC096265	8876	VNN1	no errors	hORFeome V8.1 Collection	8876	VNN1	NM_004666.2	Full Length 100% match
ccsbBroadEn_02040	ccsbBroad304_02040		BC000480	8883	NAE1	no errors	hORFeome V8.1 Collection	8883	NAE1	NM_003905.3	Full Length 100% match
ccsbBroadEn_02041	ccsbBroad304_02041		BC012806,BC015631	8884	SLC5A6	no errors	hORFeome V8.1 Collection	8884	SLC5A6	NM_021095.2	Full Length 100% match
ccsbBroadEn_02042	ccsbBroad304_02042		BC001870	8890	EIF2B4	no errors	hORFeome V8.1 Collection	8890	EIF2B4	NM_001034116.1	Full Length 100% match
ccsbBroadEn_02043	Failed LR reaction		BC011750	8892	EIF2B2	no errors	hORFeome V8.1 Collection	8892	EIF2B2	NM_014239.3	Full Length 100% match
ccsbBroadEn_02044	ccsbBroad304_02044		BC000461	8894	EIF2S2	no errors	hORFeome V8.1 Collection	8894	EIF2S2	NM_003908.3	Full Length 100% match
ccsbBroadEn_02045	ccsbBroad304_02045		BC022821	8896	BUD31	no errors	hORFeome V8.1 Collection	8896	BUD31	NM_003910.3	Full Length 100% match
ccsbBroadEn_02046	ccsbBroad304_02046		BC001142	8904	CPNE1	no errors	hORFeome V8.1 Collection	8904	CPNE1	NM_152925.2; NM_152926.2; NM_152927.2; NM_152928.2	Full Length 100% match
ccsbBroadEn_02047	ccsbBroad304_02047		BC001117	8905	AP1S2	no errors	hORFeome V8.1 Collection	8905	AP1S2	NM_003916.3	Full Length 100% match
ccsbBroadEn_02048	ccsbBroad304_02048		BC053617	8915	BCL10	no errors	hORFeome V8.1 Collection	8915	BCL10	NM_003921.4	Full Length 100% match
ccsbBroadEn_02049	ccsbBroad304_02049		BC002385,BC002410	8933	FAM127A	no errors	hORFeome V8.1 Collection	8933	FAM127A	NM_001078171.1	Full Length 100% match
ccsbBroadEn_02050	ccsbBroad304_02050		BC002585	8934	RAB7L1	no errors	hORFeome V8.1 Collection	8934	RAB7L1	NM_003929.2; NM_001135662.1	Full Length 100% match
ccsbBroadEn_02051	ccsbBroad304_02051		BC044591	8936	WASF1	no errors	hORFeome V8.1 Collection	8936	WASF1	NM_003931.2; NM_001024936.1; NM_001024935.1; NM_001024934.1	Full Length 100% match
ccsbBroadEn_02052	ccsbBroad304_02052		BC000879	8942	KYNU	no errors	hORFeome V8.1 Collection	8942	KYNU	NM_001032998.1	Full Length 100% match
ccsbBroadEn_02053	ccsbBroad304_02053		BC027994	8945	BTRC	no errors	hORFeome V8.1 Collection	8945	BTRC	NM_033637.2	Full Length 100% match
ccsbBroadEn_02054	ccsbBroad304_02054		BC069818	8968	HIST1H3F	no errors	hORFeome V8.1 Collection	8968	HIST1H3F	NM_021018.2	Full Length 100% match
ccsbBroadEn_02055	ccsbBroad304_02055		BC016677	8969	HIST1H2AG	no errors	hORFeome V8.1 Collection	8969	HIST1H2AG	NM_021064.4	Full Length 100% match
ccsbBroadEn_02056	ccsbBroad304_02056		BC014456	8973	CHRNA6	no errors	hORFeome V8.1 Collection	8973	CHRNA6	NM_004198.3	Full Length 100% match
ccsbBroadEn_02057	ccsbBroad304_02057		BC035813	8974	P4HA2	no errors	hORFeome V8.1 Collection	8974	P4HA2	NM_001017974.1; NM_001017973.1; NM_001142598.1	Full Length 100% match
ccsbBroadEn_02058	ccsbBroad304_02058		BC011674	8985	PLOD3	no errors	hORFeome V8.1 Collection	8985	PLOD3	NM_001084.4	Full Length 100% match
ccsbBroadEn_02059	ccsbBroad304_02059		BC022301	8987	STBD1	no errors	hORFeome V8.1 Collection	8987	STBD1	NM_003943.3	Full Length 100% match
ccsbBroadEn_02060	ccsbBroad304_02060		BC009084	8991	SELENBP1	no errors	hORFeome V8.1 Collection	8991	SELENBP1	NM_003944.2	Full Length 100% match
ccsbBroadEn_02061	ccsbBroad304_02061		BC119714	8992	ATP6V0E1	no errors	hORFeome V8.1 Collection	8992	ATP6V0E1	NM_003945.3	Full Length 100% match
ccsbBroadEn_02062	ccsbBroad304_02062	454	BC096154	8993	GLYR1P	no errors	hORFeome V8.1 Collection	8993	GLYR1P	NM_005091.2	Full Length 100% match
ccsbBroadEn_02063	ccsbBroad304_02063		BC119666	9016	SLC25A14	no errors	hORFeome V8.1 Collection	9016	SLC25A14	NM_003951.2	Full Length 100% match
ccsbBroadEn_02064	ccsbBroad304_02064		BC060858	9021	SOCS3	no errors	hORFeome V8.1 Collection	9021	SOCS3	NM_003955.3	Full Length 100% match
ccsbBroadEn_02065	ccsbBroad304_02065		BC007012	9022	CLIC3	no errors	hORFeome V8.1 Collection	9022	CLIC3	NM_004669.2	Full Length 100% match
ccsbBroadEn_02066	ccsbBroad304_02066		BC017843	9023	CH25H	no errors	hORFeome V8.1 Collection	9023	CH25H	NM_003956.3	Full Length 100% match
ccsbBroadEn_02067	ccsbBroad304_02067		BC120874	9028	RHBDL1	no errors	hORFeome V8.1 Collection	9028	RHBDL1	NM_003961.1	Full Length 100% match
ccsbBroadEn_02068	ccsbBroad304_02068		BC058924	9040	UBE2M	no errors	hORFeome V8.1 Collection	9040	UBE2M	NM_003969.3	Full Length 100% match
ccsbBroadEn_02069	ccsbBroad304_02069		BC028216	9057	SLC7A6	no errors	hORFeome V8.1 Collection	9057	SLC7A6	NM_001076785.1; NM_003983.4	Full Length 100% match
ccsbBroadEn_02070	ccsbBroad304_02070		BC096277	9058	SLC13A2	no errors	hORFeome V8.1 Collection	9058	SLC13A2	NM_003984.3	Full Length 100% match
ccsbBroadEn_02071	ccsbBroad304_02071		BC009894	9060	PAPSS2	no errors	hORFeome V8.1 Collection	9060	PAPSS2	NM_004670.3	Full Length 100% match
ccsbBroadEn_02072	ccsbBroad304_02072		BC036754	9069	CLDN12	no errors	hORFeome V8.1 Collection	9069	CLDN12	NM_001185072.2; NM_001185073.2;	Full Length 100% match
ccsbBroadEn_02073	ccsbBroad304_02073		BC010920	9071	CLDN10	no errors	hORFeome V8.1 Collection	9071	CLDN10	NM_012129.4	Full Length 100% match
ccsbBroadEn_02074	ccsbBroad304_02074		BC020866,BC058004	9073	CLDN8	no errors	hORFeome V8.1 Collection	9073	CLDN8	NM_006984.4	Full Length 100% match
ccsbBroadEn_02075	ccsbBroad304_02075		BC005362	9077	DIRAS3	no errors	hORFeome V8.1 Collection	9077	DIRAS3	NM_199328.2	Full Length 100% match
ccsbBroadEn_02076	ccsbBroad304_02076		BC113548,BC113550	9081	PRY	no errors	hORFeome V8.1 Collection	9081; 442862; XM_003120335.1	PRY; PRY2; LOC100509646	NM_004676.2; NM_001002758.1;	Full Length 100% match
ccsbBroadEn_02077	ccsbBroad304_02077		BC005248	9086	EIF1AY	no errors	hORFeome V8.1 Collection	9086	EIF1AY	NM_003120335.1	Full Length 100% match
ccsbBroadEn_02078	ccsbBroad304_02078		BC022482	9087	TMSB4Y	no errors	hORFeome V8.1 Collection	9087	TMSB4Y	NM_004681.2	Full Length 100% match
ccsbBroadEn_02079	ccsbBroad304_02079		BC027176	9094	UNC119	no errors	hORFeome V8.1 Collection	9094	UNC119	NM_004202.2	Full Length 100% match
ccsbBroadEn_02080	ccsbBroad304_02080		BC003556	9097	USP14	no errors	hORFeome V8.1 Collection	9097	USP14	NM_005148.3	Full Length 100% match
ccsbBroadEn_02081	ccsbBroad304_02081		BC110590	9101	USP8	no errors	hORFeome V8.1 Collection	9101	USP8	NM_005151.3	Full Length 100% match
ccsbBroadEn_02082	ccsbBroad304_02082	454	BC073173	9104	RGN	no errors	hORFeome V8.1 Collection	9104	RGN	NM_001128610.1; NM_001128611.1; NM_005154.3	Full Length 100% match
ccsbBroadEn_02083	ccsbBroad304_02083		BC008861	9114	ATP6V0D1	no errors	hORFeome V8.1 Collection	9114	ATP6V0D1	NM_004683.4; NM_152869.2	Full Length 100% match
ccsbBroadEn_02084	ccsbBroad304_02084		BC006178	9117	SEC22C	no errors	hORFeome V8.1 Collection	9117	SEC22C	NM_004691.4	Full Length 100% match
ccsbBroadEn_02085	ccsbBroad304_02085		BC018437	9117	SEC22C	no errors	hORFeome V8.1 Collection	9117	SEC22C	NM_032970.2	Full Length 100% match
ccsbBroadEn_02086	ccsbBroad304_02086		BC000915,BC018755	9124	PDLIM1	no errors	hORFeome V8.1 Collection	9124	PDLIM1	NM_004206.2	Full Length 100% match
ccsbBroadEn_02087	ccsbBroad304_02087		BC001588	9128	PRPF4	no errors	hORFeome V8.1 Collection	9128	PRPF4	NM_020992.2	Full Length 100% match
ccsbBroadEn_02088	ccsbBroad304_02088		BC000184,BC001954	9129	PRPF3	no errors	hORFeome V8.1 Collection	9129	PRPF3	NM_004697.3	Full Length 100% match
ccsbBroadEn_02089	ccsbBroad304_02089		BC139738	9131	AIFM1	no errors	hORFeome V8.1 Collection	9131	AIFM1	NM_004698.2	Full Length 100% match
ccsbBroadEn_02090	ccsbBroad304_02090		BC015519	9141	PDCD5	no errors	hORFeome V8.1 Collection	9141	PDCD5	NM_004208.3	Full Length 100% match
ccsbBroadEn_02091	ccsbBroad304_02091		BC113600,BC113604	9142	CXorf1	no errors	hORFeome V8.1 Collection	9142	CXorf1	NM_004708.3	Full Length 100% match
ccsbBroadEn_02092	ccsbBroad304_02092		BC014087	9143	SYNGR3	no errors	hORFeome V8.1 Collection	9143	SYNGR3	NM_004709.2	Full Length 100% match
ccsbBroadEn_02093	ccsbBroad304_02093		BC000407,BC029755	9144	SYNGR2	no errors	hORFeome V8.1 Collection	9144	SYNGR2	NM_004209.5	Full Length 100% match
ccsbBroadEn_02094	ccsbBroad304_02094		BC014388,BC017448	9158	FIBP	no errors	hORFeome V8.1 Collection	9158	FIBP	NM_004710.3	Full Length 100% match
ccsbBroadEn_02095	ccsbBroad304_02095		BC017729,BC022506	9166	EBAG9	no errors	hORFeome V8.1 Collection	9166	EBAG9	NM_004214.4	Full Length 100% match
ccsbBroadEn_02096	ccsbBroad304_02096		BC016731	9168	TMSB10	no errors	hORFeome V8.1 Collection	9168	TMSB10	NM_004215.3;	Full Length 100% match
ccsbBroadEn_02097	ccsbBroad304_02097		BC025695	9170	LPAR2	no errors	hORFeome V8.1 Collection	9170	LPAR2	NM_198120.1	Full Length 100% match
ccsbBroadEn_02098	ccsbBroad304_02098		BC030975	9173	IL1RL1	no errors	hORFeome V8.1 Collection	9173	IL1RL1	NM_021103.3	Full Length 100% match
ccsbBroadEn_02099	ccsbBroad304_02099		BC031589	9182	RASSF9	no errors	hORFeome V8.1 Collection	9182	RASSF9	NM_004720.5	Full Length 100% match
ccsbBroadEn_02100	ccsbBroad304_02100		BC005138	9184	BUB3	no errors	hORFeome V8.1 Collection	9184	BUB3	NM_003856.2	Full Length 100% match
ccsbBroadEn_02101	ccsbBroad304_02101		BC008071	9188	DDX21	no errors	hORFeome V8.1 Collection	9188	DDX21	NM_005447.3	Full Length 100% match



ccsbBroadEn_02102	ccsbBroad304_02102		BC013910,BC016724	9191	DEDD	no errors	hORFeome V8.1 Collection	9191	DEDD	NM_001039711.1; NM_032998.2; NM_001039712.1	Full Length 100% match
ccsbBroadEn_02103	ccsbBroad304_02103		BC099634	9196	KCNAB3	no errors	hORFeome V8.1 Collection	9196	KCNAB3	NM_004732.2	Full Length 100% match
ccsbBroadEn_02104	ccsbBroad304_02104		BC014416	9197	SLC33A1	no errors	hORFeome V8.1 Collection	9197	SLC33A1	NM_004733.3; NM_001190992.1	Full Length 100% match
ccsbBroadEn_02105	ccsbBroad304_02105		BC029439	9204	ZMYM6	no errors	hORFeome V8.1 Collection	100130633; 100506144	LOC100130633; LOC100506144	NM_001195156.1; XM_003119787.1; XM_003118961.1; XM_003120354.1	Full Length 100% match
ccsbBroadEn_02106	ccsbBroad304_02106		BC117264,BC117266	9210	BMP15	no errors	hORFeome V8.1 Collection	9210	BMP15	NM_005448.2	Full Length 100% match
ccsbBroadEn_02107	ccsbBroad304_02107		BC022500	9211	LG11	no errors	hORFeome V8.1 Collection	9211	LG11	NM_005097.2	Full Length 100% match
ccsbBroadEn_02108	ccsbBroad304_02108		BC009751	9212	AURKB	no errors	hORFeome V8.1 Collection	9212	AURKB	NM_004217.2	Full Length 100% match
ccsbBroadEn_02109	ccsbBroad304_02109		BC041142	9213	XPR1	no errors	hORFeome V8.1 Collection	9213	XPR1	NM_001135669.1	Full Length 100% match
ccsbBroadEn_02110	ccsbBroad304_02110		BC001712	9217	VAPB	no errors	hORFeome V8.1 Collection	9217	VAPB	NM_004738.4	Full Length 100% match
ccsbBroadEn_02111	ccsbBroad304_02111	454	BC053650	9219	MTA2	no errors	hORFeome V8.1 Collection	9219	MTA2	NM_004739.2	Full Length 100% match
ccsbBroadEn_02112	ccsbBroad304_02112		BC131561	9220	TIAF1	no errors	hORFeome V8.1 Collection	9220	TIAF1	NM_004740.3	Full Length 100% match
ccsbBroadEn_02113	ccsbBroad304_02113		BC031053	9227	LRAT	no errors	hORFeome V8.1 Collection	9227	LRAT	NM_004744.3	Full Length 100% match
ccsbBroadEn_02114	ccsbBroad304_02114		BC141862	9228	DLGAP2	no errors	hORFeome V8.1 Collection	9228	DLGAP2	NM_004745.3	Full Length 100% match
ccsbBroadEn_02115	ccsbBroad304_02115	454	BC112071	9232	PTTG1	no errors	hORFeome V8.1 Collection	9232	PTTG1	NM_004219.2	Full Length 100% match
ccsbBroadEn_02116	ccsbBroad304_02116		BC014918,BC017235	9238	TBRG4	no errors	hORFeome V8.1 Collection	9238	TBRG4	NM_004749.2	Full Length 100% match
ccsbBroadEn_02117	ccsbBroad304_02117		BC039577	9240	PNMA1	no errors	hORFeome V8.1 Collection	9240	PNMA1	NM_006029.4	Full Length 100% match
ccsbBroadEn_02118	ccsbBroad304_02118		BC034027	9241	NOG	no errors	hORFeome V8.1 Collection	9241	NOG	NM_005450.4	Full Length 100% match
ccsbBroadEn_02119	ccsbBroad304_02119		BC006313	9242	MSC	no errors	hORFeome V8.1 Collection	9242	MSC	NM_005098.3	Full Length 100% match
ccsbBroadEn_02120	ccsbBroad304_02120		BC017032	9245	GCNT3	no errors	hORFeome V8.1 Collection	9245	GCNT3	NM_004751.2	Full Length 100% match
ccsbBroadEn_02121	ccsbBroad304_02121		BC032491	9246	UBE2L6	no errors	hORFeome V8.1 Collection	9246	UBE2L6	NM_004223.3	Full Length 100% match
ccsbBroadEn_02122	ccsbBroad304_02122		BC117316,BC117318	9247	GCM2	no errors	hORFeome V8.1 Collection	9247	GCM2	NM_004752.3	Full Length 100% match
ccsbBroadEn_02123	ccsbBroad304_02123		BC017187	9252	RPS6KA5	no errors	hORFeome V8.1 Collection	9252	RPS6KA5	NM_182398.1	Full Length 100% match
ccsbBroadEn_02124	ccsbBroad304_02124		BC014051	9255	AIMP1	no errors	hORFeome V8.1 Collection	9255	AIMP1	NM_004757.3; NM_001142415.1	Full Length 100% match
ccsbBroadEn_02125	ccsbBroad304_02125		BC001093	9260	PDLIM7	no errors	hORFeome V8.1 Collection	9260	PDLIM7	NM_005451.3	Full Length 100% match
ccsbBroadEn_02126	ccsbBroad304_02126		BC014521	9260	PDLIM7	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	9260	PDLIM7	NM_213636.1	Full Length 100% match
ccsbBroadEn_02127	ccsbBroad304_02127		BC019071	9274	BCL7C	no errors	hORFeome V8.1 Collection	9274	BCL7C	NM_004765.2	Full Length 100% match
ccsbBroadEn_02128	ccsbBroad304_02128		BC032694	9290	GPR55	no errors	hORFeome V8.1 Collection	9290	GPR55	NM_005683.3	Full Length 100% match
ccsbBroadEn_02129	ccsbBroad304_02129	454	BC069598	9294	S1PR2	no errors	hORFeome V8.1 Collection	9294	S1PR2	NM_004230.3	Full Length 100% match
ccsbBroadEn_02130	ccsbBroad304_02130		BC040436	9295	SRSF11	no errors	hORFeome V8.1 Collection	9295	SRSF11	NM_001190987.1	Full Length 100% match
ccsbBroadEn_02131	ccsbBroad304_02131		BC104230	9296	ATP6V1F	no errors	hORFeome V8.1 Collection	9296	ATP6V1F	NM_004231.3	Full Length 100% match
ccsbBroadEn_02132	ccsbBroad304_02132		BC020082	9306	SOC56	no errors	hORFeome V8.1 Collection	9306	SOC56	NM_004232.3	Full Length 100% match
ccsbBroadEn_02133	ccsbBroad304_02133		BC030830	9308	CD83	no errors	hORFeome V8.1 Collection	9308	CD83	NM_004233.3	Full Length 100% match
ccsbBroadEn_02134	ccsbBroad304_02134		BC019068	9315	C5orf13	no errors	hORFeome V8.1 Collection	9315	C5orf13	NM_004772.2; NM_001142478.1; NM_001142476.1; NM_001142477.1; NM_001142479.1; NM_001142480.1; NM_001142481.1; NM_001142482.1; NM_001142483.1	Full Length 100% match
ccsbBroadEn_02135	ccsbBroad304_02135		BC015092	9317	PTER	no errors	hORFeome V8.1 Collection	9317	PTER	NM_030664.3; NM_001001484.1	Full Length 100% match
ccsbBroadEn_02136	ccsbBroad304_02136		BC012629	9318	COP2	no errors	hORFeome V8.1 Collection	9318	COP2	NM_004236.3	Full Length 100% match
ccsbBroadEn_02137	ccsbBroad304_02137		BC000404	9319	TRIP13	no errors	hORFeome V8.1 Collection	9319	TRIP13	NM_004237.3	Full Length 100% match
ccsbBroadEn_02138	ccsbBroad304_02138		BC013002	9322	TRIP10	no errors	hORFeome V8.1 Collection	9322	TRIP10	NM_004240.2	Full Length 100% match
ccsbBroadEn_02139	ccsbBroad304_02139		BC009529	9324	HMG3	no errors	hORFeome V8.1 Collection	9324	HMG3	NM_138730.1	Full Length 100% match
ccsbBroadEn_02140	ccsbBroad304_02140	454	BC017931	9326	ZNHIT3	no errors	hORFeome V8.1 Collection	9326	ZNHIT3	NM_004773.2	Full Length 100% match
ccsbBroadEn_02141	ccsbBroad304_02141	454	BC119009	9333	TGM5	no errors	hORFeome V8.1 Collection	9333	TGM5	NM_201631.3	Full Length 100% match
ccsbBroadEn_02142	ccsbBroad304_02142		BC112265	9334	B4GALT5	no errors	hORFeome V8.1 Collection	9334	B4GALT5	NM_004776.3	Full Length 100% match
ccsbBroadEn_02143	ccsbBroad304_02143		BC017366	9337	CNOT8	no errors	hORFeome V8.1 Collection	9337	CNOT8	NM_004779.4	Full Length 100% match
ccsbBroadEn_02144	ccsbBroad304_02144		BC000809	9338	TCEAL1	no errors	hORFeome V8.1 Collection	9338	TCEAL1	NM_004780.2; NM_001006640.1; NM_001006639.1	Full Length 100% match
ccsbBroadEn_02145	ccsbBroad304_02145		BC007050	9341	VAMP3	no errors	hORFeome V8.1 Collection	9341	VAMP3	NM_004781.3	Full Length 100% match
ccsbBroadEn_02146	ccsbBroad304_02146		BC010114	9349	RPL23	no errors	hORFeome V8.1 Collection	9349	RPL23	NM_000978.3	Full Length 100% match
ccsbBroadEn_02147	ccsbBroad304_02147	454	BC014513,BC106001	9351	SLC9A3R2	no errors	hORFeome V8.1 Collection	9351	SLC9A3R2	NM_001130012.1	Full Length 100% match
ccsbBroadEn_02148	ccsbBroad304_02148		BC033682	9356	SLC22A6	no errors	hORFeome V8.1 Collection	9356	SLC22A6	NM_153276.1	Full Length 100% match
ccsbBroadEn_02149	ccsbBroad304_02149		BC001157,BC009996	9363	RAB33A	no errors	hORFeome V8.1 Collection	9363	RAB33A	NM_004794.2	Full Length 100% match
ccsbBroadEn_02150	ccsbBroad304_02150		BC017265	9367	RAB9A	no errors	hORFeome V8.1 Collection	9367	RAB9A	NM_004251.4; NM_001195328.1	Full Length 100% match
ccsbBroadEn_02151	ccsbBroad304_02151	454	BC001443,BC053350	9368	SLC9A3R1	no errors	hORFeome V8.1 Collection	9368	SLC9A3R1	NM_004252.3	Full Length 100% match
ccsbBroadEn_02152	ccsbBroad304_02152		BC096308	9370	ADIPOQ	no errors	hORFeome V8.1 Collection	9370	ADIPOQ	NM_004797.3; NM_001177800.1	Full Length 100% match
ccsbBroadEn_02153	ccsbBroad304_02153		BC032680	9372	ZFYVE9	no errors	hORFeome V8.1 Collection	9372	ZFYVE9	NM_004799.2	Full Length 100% match
ccsbBroadEn_02154	ccsbBroad304_02154		BC024240	9377	COX5A	no errors	hORFeome V8.1 Collection	9377	COX5A	NM_004255.3	Full Length 100% match
ccsbBroadEn_02155	ccsbBroad304_02155		BC025692,BC026002	9402	GRAP2	no errors	hORFeome V8.1 Collection	9402	GRAP2	NM_004810.2	Full Length 100% match
ccsbBroadEn_02156	ccsbBroad304_02156		BC001494	9410	SNRNP40	no errors	hORFeome V8.1 Collection	9410	SNRNP40	NM_004814.2	Full Length 100% match
ccsbBroadEn_02157	ccsbBroad304_02157		BC008380	9412	MED21	no errors	hORFeome V8.1 Collection	9412	MED21	NM_004264.3	Full Length 100% match
ccsbBroadEn_02158	ccsbBroad304_02158		BC113683,BC113685	9413	FAM189A2	no errors	hORFeome V8.1 Collection	9413	FAM189A2	NM_004816.3; NM_001127608.1	Full Length 100% match
ccsbBroadEn_02159	ccsbBroad304_02159		BC002366	9416	DDX23	no errors	hORFeome V8.1 Collection	9416	DDX23	NM_004818.2	Full Length 100% match
ccsbBroadEn_02160	ccsbBroad304_02160		BC006980,BC018653	9419	CRIP1	no errors	hORFeome V8.1 Collection	9419	CRIP1	NM_014171.4	Full Length 100% match
ccsbBroadEn_02161	ccsbBroad304_02161	454	BC136574	9420	CYP7B1	no errors	hORFeome V8.1 Collection	9420	CYP7B1	NM_004820.3	Full Length 100% match
ccsbBroadEn_02162	ccsbBroad304_02162		BC064806	9437	NCR1	no errors	hORFeome V8.1 Collection	9437	NCR1	NM_001145457.1	Full Length 100% match
ccsbBroadEn_02163	ccsbBroad304_02163		BC005250	9443	MED7	no errors	hORFeome V8.1 Collection	9443	MED7	NM_004270.4; NM_001100816.1	Full Length 100% match
ccsbBroadEn_02164	ccsbBroad304_02164		BC019917	9444	QKI	no errors	hORFeome V8.1 Collection	9444	QKI	NM_006775.2	Full Length 100% match
ccsbBroadEn_02165	ccsbBroad304_02165		BC000127	9446	GSTO1	no errors	hORFeome V8.1 Collection	9446	GSTO1	NM_004832.2	Full Length 100% match
ccsbBroadEn_02166	ccsbBroad304_02166		BC038846	9450	LY86	no errors	hORFeome V8.1 Collection	9450	LY86	NM_004271.3	Full Length 100% match
ccsbBroadEn_02167	ccsbBroad304_02167		BC040437	9452	ITM2A	no errors	hORFeome V8.1 Collection	9452	ITM2A	NM_004867.4	Full Length 100% match
ccsbBroadEn_02168	ccsbBroad304_02168		BC005252	9453	GGPS1	no errors	hORFeome V8.1 Collection	9453	GGPS1	NM_004837.3; NM_001037277.1	Full Length 100% match
ccsbBroadEn_02169	ccsbBroad304_02169		BC015502	9456	HOMER1	no errors	hORFeome V8.1 Collection	9456	HOMER1	NM_004272.3	Full Length 100% match
ccsbBroadEn_02170	ccsbBroad304_02170		BC016927	9465	AKAP7	no errors	hORFeome V8.1 Collection	9465	AKAP7	NM_004842.2	Full Length 100% match
ccsbBroadEn_02171	ccsbBroad304_02171		BC028003	9466	IL27RA	no errors	hORFeome V8.1 Collection	9466	IL27RA	NM_004843.2	Full Length 100% match



ccsbBroadEn_02172	ccsbBroad304_02172		BC132692	9473	C1orf38	no errors	hORFeome V8.1 Collection	9473	C1orf38	NM_004848.2	Full Length 100% match
ccsbBroadEn_02173	ccsbBroad304_02173		BC002699	9474	ATG5	no errors	hORFeome V8.1 Collection	9474	ATG5	NM_004849.2	Full Length 100% match
ccsbBroadEn_02174	ccsbBroad304_02174		BC012618	9477	MED20	no errors	hORFeome V8.1 Collection	9477	MED20	NM_004275.3	Full Length 100% match
ccsbBroadEn_02175	ccsbBroad304_02175		BC032473	9500	MAGED1	no errors	hORFeome V8.1 Collection	9500	MAGED1	NM_001005332.1; NM_006986.3	Full Length 100% match
ccsbBroadEn_02176	ccsbBroad304_02176		BC113413	9501	RPH3AL	no errors	hORFeome V8.1 Collection	9501	RPH3AL	NM_006987.3; NM_001190411.1	Full Length 100% match
ccsbBroadEn_02177	ccsbBroad304_02177		BC066311	9502	XAGE2	no errors	hORFeome V8.1 Collection	9502; 728242	XAGE2; XAGE2B	NM_130777.1; NM_001079538.1	Full Length 100% match
ccsbBroadEn_02178	ccsbBroad304_02178		BC009538	9503	XAGE1D	no errors	hORFeome V8.1 Collection	653067; 653048; 653219; 653220	XAGE1E; XAGE1C; XAGE1A; XAGE1B	NM_001097604.2; NM_001097597.2; NM_001097592.2; NM_001097594.2	Full Length 100% match
ccsbBroadEn_02179	ccsbBroad304_02179		BC010897	9506	PAGE4	no errors	hORFeome V8.1 Collection	9506	PAGE4	NM_007003.2	Full Length 100% match
ccsbBroadEn_02180	ccsbBroad304_02180		BC020090	9513	FXR2	no errors	hORFeome V8.1 Collection	9513	FXR2	NM_004860.3	Full Length 100% match
ccsbBroadEn_02181	ccsbBroad304_02181		BC101401	9516	LITAF	no errors	hORFeome V8.1 Collection	9516	LITAF	NM_004862.3; NM_001136472.1	Full Length 100% match
ccsbBroadEn_02182	ccsbBroad304_02182		BC000529,BC008962	9518	GDF15	no errors	hORFeome V8.1 Collection	9518	GDF15	NM_004864.2	Full Length 100% match
ccsbBroadEn_02183	ccsbBroad304_02183		BC015065	9522	SCAMP1	no errors	hORFeome V8.1 Collection	9522	SCAMP1	NM_004866.4	Full Length 100% match
ccsbBroadEn_02184	ccsbBroad304_02184		BC002425,BC013881	9524	TECR	no errors	hORFeome V8.1 Collection	9524	TECR	NM_138501.4	Full Length 100% match
ccsbBroadEn_02185	Failed LR reaction		BC039574	9525	VPS4B	no errors	hORFeome V8.1 Collection	9525	VPS4B	NM_004869.3	Full Length 100% match
ccsbBroadEn_02186	ccsbBroad304_02186		BC125039	9532	BAG2	no errors	hORFeome V8.1 Collection	9532	BAG2	NM_004282.3	Full Length 100% match
ccsbBroadEn_02187	ccsbBroad304_02187		BC008863	9533	POLR1C	no errors	hORFeome V8.1 Collection	9533	POLR1C	NM_203290.1	Full Length 100% match
ccsbBroadEn_02188	ccsbBroad304_02188		BC139749	9534	ZNF254	no errors	hORFeome V8.1 Collection	9534	ZNF254	NM_203282.2	Full Length 100% match
ccsbBroadEn_02189	ccsbBroad304_02189		BC080180	9535	GMFG	no errors	hORFeome V8.1 Collection	9535	GMFG	NM_004877.2	Full Length 100% match
ccsbBroadEn_02190	ccsbBroad304_02190		BC008280	9536	PTGES	no errors	hORFeome V8.1 Collection	9536	PTGES	NM_004878.4	Full Length 100% match
ccsbBroadEn_02191	ccsbBroad304_02191		BC002390	9538	EI24	no errors	hORFeome V8.1 Collection	9538	EI24	NM_004879.3	Full Length 100% match
ccsbBroadEn_02192	ccsbBroad304_02192		BC000474	9540	TP53I3	no errors	hORFeome V8.1 Collection	9540	TP53I3	NM_004881.2; NM_147184.1	Full Length 100% match
ccsbBroadEn_02193	ccsbBroad304_02193		BC086306	9546	APBA3	no errors	hORFeome V8.1 Collection	9546	APBA3	NM_004886.3	Full Length 100% match
ccsbBroadEn_02194	ccsbBroad304_02194		BC003513	9547	CXCL14	no errors	hORFeome V8.1 Collection	9547	CXCL14	NM_004887.4	Full Length 100% match
ccsbBroadEn_02195	ccsbBroad304_02195		BC011934	9552	SPAG7	no errors	hORFeome V8.1 Collection	9552	SPAG7	NM_004890.2	Full Length 100% match
ccsbBroadEn_02196	ccsbBroad304_02196		BC009475,BC020834	9553	MRPL33	no errors	hORFeome V8.1 Collection	9553	MRPL33	NM_004891.3	Full Length 100% match
ccsbBroadEn_02197	ccsbBroad304_02197		BC022505	9559	VPS26A	no errors	hORFeome V8.1 Collection	9559	VPS26A	NM_004896.3	Full Length 100% match
ccsbBroadEn_02198	ccsbBroad304_02198		BC130456,BC130458	9560	CCL4L1	no errors	hORFeome V8.1 Collection	9560; 388372	CCL4L1; CCL4L2	NM_001001435.2; NM_207007.2	Full Length 100% match
ccsbBroadEn_02199	ccsbBroad304_02199		BC032504	9562	MINPP1	no errors	hORFeome V8.1 Collection	9562	MINPP1	NM_004897.4	Full Length 100% match
ccsbBroadEn_02200	ccsbBroad304_02200		BC009710	9570	GOSR2	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	9570	GOSR2	NM_004287.3	Full Length 100% match
ccsbBroadEn_02201	ccsbBroad304_02201		BC126157,BC126159	9575	CLOCK	no errors	hORFeome V8.1 Collection	9575	CLOCK	NM_004898.2	Full Length 100% match
ccsbBroadEn_02202	ccsbBroad304_02202		BC001251	9577	BRE	no errors	hORFeome V8.1 Collection	9577	BRE	NM_199191.1; NM_199194.1	Full Length 100% match
ccsbBroadEn_02203	ccsbBroad304_02203		BC002904	9587	MAD2L1BP	no errors	hORFeome V8.1 Collection	9587	MAD2L1BP	NM_014628.2	Full Length 100% match
ccsbBroadEn_02204	ccsbBroad304_02204		BC035857,BC053550	9588	PRDX6	no errors	hORFeome V8.1 Collection	9588	PRDX6	NM_004905.2	Full Length 100% match
ccsbBroadEn_02205	ccsbBroad304_02205		BC000383	9589	WTAP	no errors	hORFeome V8.1 Collection	9589	WTAP	NM_152857.1; NM_152858.1	Full Length 100% match
ccsbBroadEn_02206	ccsbBroad304_02206		BC003625	9592	IER2	no errors	hORFeome V8.1 Collection	9592	IER2	NM_004907.2	Full Length 100% match
ccsbBroadEn_02207	ccsbBroad304_02207		BC036449	9595	CYTIP	no errors	hORFeome V8.1 Collection	9595	CYTIP	NM_004288.4	Full Length 100% match
ccsbBroadEn_02208	ccsbBroad304_02208		BC000425	9601	PDIA4	no errors	hORFeome V8.1 Collection	9601	PDIA4	NM_004911.4	Full Length 100% match
ccsbBroadEn_02209	ccsbBroad304_02209		BC126185,CCSB53361	9604	RNF14	no errors	hORFeome V8.1 Collection	9604	RNF14	NM_004290.3; NM_183400.1; NM_183399.1; NM_183401.1	Full Length 100% match
ccsbBroadEn_02210	ccsbBroad304_02210		BC029882	9607	CARTPT	no errors	hORFeome V8.1 Collection	9607	CARTPT	NM_004291.3	Full Length 100% match
ccsbBroadEn_02211	ccsbBroad304_02211		BC053584	9615	GDA	no errors	hORFeome V8.1 Collection	9615	GDA	NM_004293.3	Full Length 100% match
ccsbBroadEn_02212	ccsbBroad304_02212		BC008627	9616	RNF7	no errors	hORFeome V8.1 Collection	9616	RNF7	NM_014245.3	Full Length 100% match
ccsbBroadEn_02213	ccsbBroad304_02213		BC001769	9618	TRAF4	no errors	hORFeome V8.1 Collection	9618	TRAF4	NM_004295.3	Full Length 100% match
ccsbBroadEn_02214	ccsbBroad304_02214		BC113572	9628	RGS6	no errors	hORFeome V8.1 Collection	9628	RGS6	NM_004296.4	Full Length 100% match
ccsbBroadEn_02215	ccsbBroad304_02215	454	BC027593	9633	MTL5	no errors	hORFeome V8.1 Collection	9633	MTL5	NM_001039656.1	Full Length 100% match
ccsbBroadEn_02216	ccsbBroad304_02216		BC041096	9635	CLCA2	no errors	hORFeome V8.1 Collection	9635	CLCA2	NM_006536.5	Full Length 100% match
ccsbBroadEn_02217	ccsbBroad304_02217		BC009545	9638	FEZ1	no errors	hORFeome V8.1 Collection	9638	FEZ1	NM_005103.4	Full Length 100% match
ccsbBroadEn_02218	ccsbBroad304_02218		BC107812	9641	IKBKE	no errors	hORFeome V8.1 Collection	9641	IKBKE	NM_001193321.1	Full Length 100% match
ccsbBroadEn_02219	ccsbBroad304_02219		BC056899	9643	MORF4L2	no errors	hORFeome V8.1 Collection	9643	MORF4L2	NM_001142418.1; NM_001142419.1; NM_001142420.1; NM_001142421.1; NM_001142422.1; NM_001142423.1; NM_001142424.1; NM_001142425.1; NM_001142426.1; NM_001142427.1; NM_001142428.1; NM_001142429.1; NM_001142430.1; NM_001142431.1; NM_001142432.1	Full Length 100% match
ccsbBroadEn_02220	ccsbBroad304_02220		BC043498	9650	MTRF1	no errors	hORFeome V8.1 Collection	9650	MTRF1	NM_012286.2	Full Length 100% match
ccsbBroadEn_02221	ccsbBroad304_02221		BC025384,BC025990	9653	HS2ST1	no errors	hORFeome V8.1 Collection	9653	HS2ST1	NM_014637.3	Full Length 100% match
ccsbBroadEn_02222	ccsbBroad304_02222	454	BC136535	9662	CEP135	no errors	hORFeome V8.1 Collection	9662	CEP135	NM_001134492.1	Full Length 100% match
ccsbBroadEn_02223	ccsbBroad304_02223		BC063882	9666	DZIP3	no errors	hORFeome V8.1 Collection	9666	DZIP3	NM_025009.3	Full Length 100% match
ccsbBroadEn_02224	ccsbBroad304_02224		BC008843,BC039854	9673	SLC25A44	no errors	hORFeome V8.1 Collection	9673	SLC25A44	NM_014648.3	Full Length 100% match
ccsbBroadEn_02225	ccsbBroad304_02225		BC013121,BC013755	9675	TTI1	no errors	hORFeome V8.1 Collection	9675	TTI1	NM_014655.2	Full Length 100% match
ccsbBroadEn_02226	ccsbBroad304_02226		BC057797	9681	DEPDC5	no errors	hORFeome V8.1 Collection	9681	DEPDC5	NM_014657.1	Full Length 100% match
ccsbBroadEn_02227	ccsbBroad304_02227		BC004467	9685	CLINT1	no errors	hORFeome V8.1 Collection	9685	CLINT1	NM_001007188.1	Full Length 100% match
ccsbBroadEn_02228	ccsbBroad304_02228		BC021667	9694	TTC35	no errors	hORFeome V8.1 Collection	9694	TTC35	NM_014666.3	Full Length 100% match
ccsbBroadEn_02229	ccsbBroad304_02229		BC028121	9697	TRAM2	no errors	hORFeome V8.1 Collection	9697	TRAM2	NM_014673.3	Full Length 100% match
ccsbBroadEn_02230	ccsbBroad304_02230		BC000086,BC032673	9709	HERPUD1	no errors	hORFeome V8.1 Collection	9709	HERPUD1	NM_012288.3	Full Length 100% match
ccsbBroadEn_02231	ccsbBroad304_02231		BC042943	9712	USP6NL	no errors	hORFeome V8.1 Collection	9712	USP6NL	NM_014685.2	Full Length 100% match
ccsbBroadEn_02232	ccsbBroad304_02232		BC030245	9725	TMEM63A	no errors	hORFeome V8.1 Collection	9725	TMEM63A	NM_014688.2	Full Length 100% match
ccsbBroadEn_02233	ccsbBroad304_02233	454	BC035577	9742	IFT140	no errors	hORFeome V8.1 Collection	9742	IFT140	NM_014698.2	Full Length 100% match
ccsbBroadEn_02234	ccsbBroad304_02234	454	BC104804	9752	PCDHA9	no errors	hORFeome V8.1 Collection	9752	PCDHA9	NM_014714.3	Full Length 100% match
										NM_031857.1	Full Length 100% match



ccsbBroadEn_02235	ccsbBroad304_02235		BC035587	9754	STARD8	no errors	hORFeome V8.1 Collection	9754	STARD8	NM_001142504.2;	Full Length 100% match
ccsbBroadEn_02236	ccsbBroad304_02236		BC016665	9760	TOX	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9760	TOX	NM_014725.4	Full Length 100% match
ccsbBroadEn_02237	ccsbBroad304_02237		BC064697	9766	KIAA0247	no errors	hORFeome V8.1 Collection	9766	KIAA0247	NM_014729.2	Full Length 100% match
ccsbBroadEn_02238	ccsbBroad304_02238		BC005832,BC016782	9768	KIAA0101	no errors	hORFeome V8.1 Collection	9768	KIAA0101	NM_014734.3	Full Length 100% match
ccsbBroadEn_02239	ccsbBroad304_02239		BC117118,BC117120	9770	RASSF2	no errors	hORFeome V8.1 Collection	9770	RASSF2	NM_014736.4	Full Length 100% match
ccsbBroadEn_02240	ccsbBroad304_02240		BC004386,BC011151	9775	EIF4A3	no errors	hORFeome V8.1 Collection	9775	EIF4A3	NM_170774.1;	Full Length 100% match
ccsbBroadEn_02241	ccsbBroad304_02241		BC013145	9779	TBC1D5	no errors	hORFeome V8.1 Collection	9779	TBC1D5	NM_014737.2	Full Length 100% match
ccsbBroadEn_02242	ccsbBroad304_02242		BC002524,BC050590	9784	SNX17	no errors	hORFeome V8.1 Collection	9784	SNX17	NM_014740.3	Full Length 100% match
ccsbBroadEn_02243	ccsbBroad304_02243		BC010658	9787	DLGAP5	no errors	hORFeome V8.1 Collection	9787	DLGAP5	NM_001134380.1;	Full Length 100% match
ccsbBroadEn_02244	Failed LR reaction		BC004192,BC004390	9791	PTDSS1	no errors	hORFeome V8.1 Collection	9791	PTDSS1	NM_014744.2	Full Length 100% match
ccsbBroadEn_02245	ccsbBroad304_02245		BC000430	9798	KIAA0174	no errors	hORFeome V8.1 Collection	9798	KIAA0174	NM_014748.2	Full Length 100% match
ccsbBroadEn_02246	ccsbBroad304_02246		BC002334,BC007900	9802	DAZAP2	no errors	hORFeome V8.1 Collection	9802	DAZAP2	NM_014750.4	Full Length 100% match
ccsbBroadEn_02247	ccsbBroad304_02247		BC000882,BC066335	9804	TOMM20	no errors	hORFeome V8.1 Collection	9804	TOMM20	NM_014754.1	Full Length 100% match
ccsbBroadEn_02248	ccsbBroad304_02248		BC006133,BC018647	9810	RNF40	no errors	hORFeome V8.1 Collection	9810	RNF40	NM_014751.2	Full Length 100% match
ccsbBroadEn_02249	ccsbBroad304_02249		BC002525	9813	KIAA0494	no errors	hORFeome V8.1 Collection	9813	KIAA0494	NM_014761.2	Full Length 100% match
ccsbBroadEn_02250	ccsbBroad304_02250		BC114559	9816	URB2	no errors	hORFeome V8.1 Collection	9816	URB2	NM_014764.3	Full Length 100% match
ccsbBroadEn_02251	ccsbBroad304_02251		BC001104	9818	NUPL1	no errors	hORFeome V8.1 Collection	9818	NUPL1	NM_014765.2	Full Length 100% match
ccsbBroadEn_02252	ccsbBroad304_02252		BC063444	9824	ARHGAP11A	no errors	hORFeome V8.1 Collection	9824	ARHGAP11A	NM_014771.2	Full Length 100% match
ccsbBroadEn_02253	ccsbBroad304_02253		BC009481	9825	SPATA2	no errors	hORFeome V8.1 Collection	9825	SPATA2	NM_014772.2	Full Length 100% match
ccsbBroadEn_02254	ccsbBroad304_02254		BC001725	9827	RGP1	no errors	hORFeome V8.1 Collection	9827	RGP1	NM_193357.1	Full Length 100% match
ccsbBroadEn_02255	ccsbBroad304_02255		BC017354	9832	JAKMIP2	no errors	hORFeome V8.1 Collection	9832	JAKMIP2	NM_001135773.1;	Full Length 100% match
ccsbBroadEn_02256	ccsbBroad304_02256		BC015949	9836	LCMT2	no errors	hORFeome V8.1 Collection	9836	LCMT2	NM_006038.3	Full Length 100% match
ccsbBroadEn_02257	ccsbBroad304_02257		BC036731	9841	ZBTB24	no errors	hORFeome V8.1 Collection	9841	ZBTB24	NM_001080496.2	Full Length 100% match
ccsbBroadEn_02258	ccsbBroad304_02258		BC117374,BC117376	9841	ZBTB24	no errors	hORFeome V8.1 Collection	9841	ZBTB24	NM_014790.3	Full Length 100% match
ccsbBroadEn_02259	ccsbBroad304_02259		BC003051	9844	ELMO1	no errors	hORFeome V8.1 Collection	9844	ELMO1	NM_014793.4	Full Length 100% match
ccsbBroadEn_02260	ccsbBroad304_02260		BC131711	9846	GAB2	no errors	hORFeome V8.1 Collection	9846	GAB2	NM_001164313.1	Full Length 100% match
ccsbBroadEn_02261	ccsbBroad304_02261		BC064696	9852	EPM2AIP1	no errors	hORFeome V8.1 Collection	9852	EPM2AIP1	NM_014797.2	Full Length 100% match
ccsbBroadEn_02262	ccsbBroad304_02262		BC000630,BC012369	9861	PSMD6	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	9861	PSMD6	NM_001039459.1;	Full Length 100% match
ccsbBroadEn_02263	ccsbBroad304_02263		BC014268	9877	ZC3H11A	no errors	hORFeome V8.1 Collection	9877	ZC3H11A	NM_130442.2	Full Length 100% match
ccsbBroadEn_02264	ccsbBroad304_02264	454	BC146867	9880	ZBTB39	no errors	hORFeome V8.1 Collection	9880	ZBTB39	NM_080491.2	Full Length 100% match
ccsbBroadEn_02265	ccsbBroad304_02265		BC000296	9885	OSBPL2	no errors	hORFeome V8.1 Collection	9885	OSBPL2	NM_014805.3	Full Length 100% match
ccsbBroadEn_02266	ccsbBroad304_02266		BC041791	9886	RHOBTB1	no errors	hORFeome V8.1 Collection	9886	RHOBTB1	NM_014814.1	Full Length 100% match
ccsbBroadEn_02267	ccsbBroad304_02267		BC112289	9906	SLC35E2	no errors	hORFeome V8.1 Collection	9906	SLC35E2	NM_014827.4	Full Length 100% match
ccsbBroadEn_02268	ccsbBroad304_02268		BC011731	9908	G3BP2	no errors	hORFeome V8.1 Collection	9908	G3BP2	NM_014830.2	Full Length 100% match
ccsbBroadEn_02269	ccsbBroad304_02269		BC117412,BC117416	9912	ARHGAP44	no errors	hORFeome V8.1 Collection	9912	ARHGAP44	NM_144498.1	Full Length 100% match
ccsbBroadEn_02270	ccsbBroad304_02270		BC046441	9917	FAM20B	no errors	hORFeome V8.1 Collection	9917	FAM20B	NM_014836.4	Full Length 100% match
ccsbBroadEn_02271	ccsbBroad304_02271		BC034621	9926	LPGAT1	no errors	hORFeome V8.1 Collection	9926	LPGAT1	NM_182838.2	Full Length 100% match
ccsbBroadEn_02272	ccsbBroad304_02272	454	BC013124	9937	DCLRE1A	no errors	hORFeome V8.1 Collection	9937	DCLRE1A	NM_203504.2	Full Length 100% match
ccsbBroadEn_02273	ccsbBroad304_02273		BC060813	9949	AMMECR1	no errors	hORFeome V8.1 Collection	9949	AMMECR1	NM_014859.4	Full Length 100% match
ccsbBroadEn_02274	ccsbBroad304_02274	454	BC093736	9956	HS3ST2	no errors	hORFeome V8.1 Collection	9956	HS3ST2	NM_014864.3	Full Length 100% match
ccsbBroadEn_02275	ccsbBroad304_02275		BC065300,BC107137	9960	USP3	no errors	hORFeome V8.1 Collection	9960	USP3	NM_014873.2	Full Length 100% match
ccsbBroadEn_02276	ccsbBroad304_02276		BC015623	9961	MVP	no errors	hORFeome V8.1 Collection	9961	MVP	NM_014881.3	Full Length 100% match
ccsbBroadEn_02277	ccsbBroad304_02277		BC017664	9965	FGF19	no errors	hORFeome V8.1 Collection	9965	FGF19	NM_005115.4	Full Length 100% match
ccsbBroadEn_02278	ccsbBroad304_02278		BC112330	9967	THRAP3	no errors	hORFeome V8.1 Collection	9967	THRAP3	NM_005117.2	Full Length 100% match
ccsbBroadEn_02279	ccsbBroad304_02279		BC001466	9978	RBX1	no errors	hORFeome V8.1 Collection	9978	RBX1	NM_005119.3	Full Length 100% match
ccsbBroadEn_02280	ccsbBroad304_02280		BC010887	9985	REC8	no errors	hORFeome V8.1 Collection	9985	REC8	NM_014248.3	Full Length 100% match
ccsbBroadEn_02281	ccsbBroad304_02281	454	BC093728	9986	RCE1	no errors	hORFeome V8.1 Collection	9986	RCE1	NM_005132.2;	Full Length 100% match
ccsbBroadEn_02282	ccsbBroad304_02282	454	BC112087	9992	KCNE2	no errors	hORFeome V8.1 Collection	9992	KCNE2	NM_001048205.1	Full Length 100% match
ccsbBroadEn_02283	ccsbBroad304_02283		BC032430	9993	DGCR2	no errors	hORFeome V8.1 Collection	9993	DGCR2	NM_005133.2	Full Length 100% match
ccsbBroadEn_02284	ccsbBroad304_02284		BC102025	9997	SCO2	no errors	hORFeome V8.1 Collection	9997	SCO2	NM_172201.1	Full Length 100% match
ccsbBroadEn_02285	ccsbBroad304_02285		BC004106	10001	MED6	no errors	hORFeome V8.1 Collection	10001	MED6	NM_005137.2	Full Length 100% match
ccsbBroadEn_02286	ccsbBroad304_02286		BC117155,BC117157	10005	ACOT8	no errors	hORFeome V8.1 Collection	10005	ACOT8	NM_005138.2;	Full Length 100% match
ccsbBroadEn_02287	ccsbBroad304_02287		BC012853,BC022322	10007	GNPDA1	no errors	hORFeome V8.1 Collection	10007	GNPDA1	NM_001169110.1;	Full Length 100% match
ccsbBroadEn_02288	ccsbBroad304_02288		BC032235	10008	KCNE3	no errors	hORFeome V8.1 Collection	10008	KCNE3	NM_001169111.1;	Full Length 100% match
ccsbBroadEn_02289	ccsbBroad304_02289		BC003388	10010	TANK	no errors	hORFeome V8.1 Collection	10010	TANK	NM_001169109.1	Full Length 100% match
ccsbBroadEn_02290	ccsbBroad304_02290		BC020066	10015	PDCD6IP	no errors	hORFeome V8.1 Collection	10015	PDCD6IP	NM_005466.2	Full Length 100% match
ccsbBroadEn_02291	ccsbBroad304_02291	454	BC093826	10017	BCL2L10	no errors	hORFeome V8.1 Collection	10017	BCL2L10	NM_005469.3	Full Length 100% match
ccsbBroadEn_02292	ccsbBroad304_02292		BC033694	10018	BCL2L11	no errors	hORFeome V8.1 Collection	10018	BCL2L11	NM_005471.4	Full Length 100% match
ccsbBroadEn_02293	ccsbBroad304_02293		BC121179	10020	GNE	no errors	hORFeome V8.1 Collection	10020	GNE	NM_005472.4	Full Length 100% match
ccsbBroadEn_02294	ccsbBroad304_02294		BC011597	10024	TROAP	no errors	hORFeome V8.1 Collection	10024	TROAP	NM_005474.2	Full Length 100% match
ccsbBroadEn_02295	ccsbBroad304_02295		BC020737	10026	PIGK	no errors	hORFeome V8.1 Collection	10026	PIGK	NM_133484.1	Full Length 100% match
ccsbBroadEn_02296	ccsbBroad304_02296		BC046151	10043	TOM1	no errors	hORFeome V8.1 Collection	10043	TOM1	NM_005482.2	Full Length 100% match
ccsbBroadEn_02297	ccsbBroad304_02297		BC002446	10049	DNAJB6	no errors	hORFeome V8.1 Collection	10049	DNAJB6	NM_001135732.1	Full Length 100% match
ccsbBroadEn_02298	ccsbBroad304_02298		BC024590	10059	DNM1L	no errors	hORFeome V8.1 Collection	10059	DNM1L	NM_058246.3	Full Length 100% match
ccsbBroadEn_02299	ccsbBroad304_02299		BC008819	10062	NR1H3	no errors	hORFeome V8.1 Collection	10062	NR1H3	NM_012063.2	Full Length 100% match
ccsbBroadEn_02300	ccsbBroad304_02300		BC041172	10062	NR1H3	no errors	hORFeome V8.1 Collection	10062	NR1H3	NM_001130101.1	Full Length 100% match
ccsbBroadEn_02301	ccsbBroad304_02301		BC010933	10063	COX17	no errors	hORFeome V8.1 Collection	10063	COX17	NM_001130102.1	Full Length 100% match
ccsbBroadEn_02302	ccsbBroad304_02302		BC001376,BC004385	10066	SCAMP2	no errors	hORFeome V8.1 Collection	10066	SCAMP2	NM_005694.1	Full Length 100% match
ccsbBroadEn_02303	ccsbBroad304_02303		BC017912	10069	RWDD2B	no errors	hORFeome V8.1 Collection	10069	RWDD2B	NM_005697.3	Full Length 100% match
ccsbBroadEn_02304	ccsbBroad304_02304		BC004203	10073	SNUPN	no errors	hORFeome V8.1 Collection	10073	SNUPN	NM_016940.2	Full Length 100% match
ccsbBroadEn_02305	ccsbBroad304_02305		BC106947	10082	GPC6	no errors	hORFeome V8.1 Collection	10082	GPC6	NM_001042588.1;	Full Length 100% match
ccsbBroadEn_02306	ccsbBroad304_02306		BC012358	10084	PQBP1	no errors	hORFeome V8.1 Collection	10084	PQBP1	NM_005701.3;	Full Length 100% match
ccsbBroadEn_02307	ccsbBroad304_02307		BC000102	10087	COL4A3BP	no errors	hORFeome V8.1 Collection	10087	COL4A3BP	NM_001042581.1	Full Length 100% match
ccsbBroadEn_02308	Failed LR reaction		BC103809	10089	KCNK7	no errors	hORFeome V8.1 Collection	10089	KCNK7	NM_005708.3	Full Length 100% match
ccsbBroadEn_02309	ccsbBroad304_02309	454	BC093694	10090	UST	no errors	hORFeome V8.1 Collection	10090	UST	NM_005710.2;	Full Length 100% match
ccsbBroadEn_02310	ccsbBroad304_02310		BC065423	10093	ARPC4	no errors	hORFeome V8.1 Collection	10093	ARPC4	NM_001032384.1;	Full Length 100% match
										NM_001032383.1;	Full Length 100% match
										NM_001032382.1;	Full Length 100% match
										NM_033348.1;	Full Length 100% match
										NM_033455.1	Full Length 100% match
										NM_005715.2	Full Length 100% match
										NM_005718.4	Full Length 100% match



ccsbBroadEn_02311	ccsbBroad304_02311		BC067747	10094	ARPC3	no errors	hORFeome V8.1 Collection	10094	ARPC3	NM_005719.2	Full Length 100% match
ccsbBroadEn_02312	ccsbBroad304_02312		BC002562,BC007555	10095	ARPC1B	no errors	hORFeome V8.1 Collection	10095	ARPC1B	NM_005720.2	Full Length 100% match
ccsbBroadEn_02313	ccsbBroad304_02313		BC044590	10096	ACTR3	no errors	hORFeome V8.1 Collection	10096	ACTR3	NM_005721.3	Full Length 100% match
ccsbBroadEn_02314	ccsbBroad304_02314		BC009704	10098	TSPAN5	no errors	hORFeome V8.1 Collection	10098	TSPAN5	NM_005723.3	Full Length 100% match
ccsbBroadEn_02315	ccsbBroad304_02315		BC007290,BC013404	10103	TSPAN1	no errors	hORFeome V8.1 Collection	10103	TSPAN1	NM_005727.3	Full Length 100% match
ccsbBroadEn_02316	ccsbBroad304_02316		BC065920	10106	CTDSP2	no errors	hORFeome V8.1 Collection	10106	CTDSP2	NM_005730.3	Full Length 100% match
ccsbBroadEn_02317	ccsbBroad304_02317	454	BC014037,BC065511	10110	SGK2	no errors	hORFeome V8.1 Collection	10110	SGK2	NM_001199264.1; NM_170693.2	Full Length 100% match
ccsbBroadEn_02318	ccsbBroad304_02318		BC012999	10112	KIF20A	no errors	hORFeome V8.1 Collection	10112	KIF20A	NM_005733.2	Full Length 100% match
ccsbBroadEn_02319	ccsbBroad304_02319		BC002765,BC041032	10113	PREB	no errors	hORFeome V8.1 Collection	10113	PREB	NM_013388.4	Full Length 100% match
ccsbBroadEn_02320	ccsbBroad304_02320		BC000693,BC026016	10121	ACTR1A	no errors	hORFeome V8.1 Collection	10121	ACTR1A	NM_005736.3	Full Length 100% match
ccsbBroadEn_02321	ccsbBroad304_02321		BC089043	10123	ARL4C	no errors	hORFeome V8.1 Collection	10123	ARL4C	NM_005737.3	Full Length 100% match
ccsbBroadEn_02322	ccsbBroad304_02322		BC008805	10127	ZNF263	no errors	hORFeome V8.1 Collection	10127	ZNF263	NM_005741.4	Full Length 100% match
ccsbBroadEn_02323	ccsbBroad304_02323		BC001312	10130	PDIA6	no errors	hORFeome V8.1 Collection	10130	PDIA6	NM_005742.2	Full Length 100% match
ccsbBroadEn_02324	ccsbBroad304_02324		BC018950	10131	TRAP1	no errors	hORFeome V8.1 Collection	10131	TRAP1	NM_016292.2	Full Length 100% match
ccsbBroadEn_02325	ccsbBroad304_02325		BC013876	10133	OPTN	no errors	hORFeome V8.1 Collection	10133	OPTN	NM_021980.4; NM_001008213.1; NM_001008212.1; NM_001008211.1	Full Length 100% match
ccsbBroadEn_02326	ccsbBroad304_02326		BC065292	10134	BCAP31	no errors	hORFeome V8.1 Collection	10134	BCAP31	NM_005745.7	Full Length 100% match
ccsbBroadEn_02327	ccsbBroad304_02327		BC031406	10140	TOB1	no errors	hORFeome V8.1 Collection	10140	TOB1	NM_005749.2	Full Length 100% match
ccsbBroadEn_02328	ccsbBroad304_02328		BC117444,BC117446	10141	C4orf6	no errors	hORFeome V8.1 Collection	10141	C4orf6	NM_005750.2	Full Length 100% match
ccsbBroadEn_02329	ccsbBroad304_02329		BC104415	10143	CLEC3A	no errors	hORFeome V8.1 Collection	10143	CLEC3A	NM_005752.3	Full Length 100% match
ccsbBroadEn_02330	ccsbBroad304_02330		BC006997	10146	G3BP1	no errors	hORFeome V8.1 Collection	10146	G3BP1	NM_005754.2; NM_198395.1	Full Length 100% match
ccsbBroadEn_02331	ccsbBroad304_02331		BC015364,BC046112	10148	EBI3	no errors	hORFeome V8.1 Collection	10148	EBI3	NM_005755.2	Full Length 100% match
ccsbBroadEn_02332	ccsbBroad304_02332		BC104040	10150	MBNL2	no errors	hORFeome V8.1 Collection	10150	MBNL2	NM_144778.2	Full Length 100% match
ccsbBroadEn_02333	ccsbBroad304_02333		BC001439	10152	ABI2	no errors	hORFeome V8.1 Collection	10152	ABI2	NM_005759.4	Full Length 100% match
ccsbBroadEn_02334	ccsbBroad304_02334	454	BC004978	10155	TRIM28	no errors	hORFeome V8.1 Collection	10155	TRIM28	NM_005762.2	Full Length 100% match
ccsbBroadEn_02335	ccsbBroad304_02335		BC084541	10159	ATP6AP2	no errors	hORFeome V8.1 Collection	10159	ATP6AP2	NM_005765.2	Full Length 100% match
ccsbBroadEn_02336	ccsbBroad304_02336		BC106756	10161	LPAR6	no errors	hORFeome V8.1 Collection	10161	LPAR6	NM_005767.5; NM_001162497.1; NM_001162498.1	Full Length 100% match
ccsbBroadEn_02337	ccsbBroad304_02337		BC006566	10165	SLC25A13	no errors	hORFeome V8.1 Collection	10165	SLC25A13	NM_014251.2	Full Length 100% match
ccsbBroadEn_02338	ccsbBroad304_02338		BC058883	10170	DHRS9	no errors	hORFeome V8.1 Collection	10170	DHRS9	NM_199204.1; NM_005771.4; NM_001142270.1;	Full Length 100% match
ccsbBroadEn_02339	ccsbBroad304_02339		BC001025	10171	RCL1	no errors	hORFeome V8.1 Collection	10171	RCL1	NM_005772.3	Full Length 100% match
ccsbBroadEn_02340	ccsbBroad304_02340		BC010146	10174	SORBS3	no errors	hORFeome V8.1 Collection	10174	SORBS3	NM_001018003.2	Full Length 100% match
ccsbBroadEn_02341	ccsbBroad304_02341	454	BC103741	10175	CNIH	no errors	hORFeome V8.1 Collection	10175	CNIH	NM_005776.2	Full Length 100% match
ccsbBroadEn_02342	ccsbBroad304_02342		BC034381	10179	RBM7	no errors	hORFeome V8.1 Collection	10179	RBM7	NM_016090.2	Full Length 100% match
ccsbBroadEn_02343	ccsbBroad304_02343	454	BC136335	10184	LHFPL2	no errors	hORFeome V8.1 Collection	10184	LHFPL2	NM_005779.2	Full Length 100% match
ccsbBroadEn_02344	ccsbBroad304_02344		BC017824	10186	LHFP	no errors	hORFeome V8.1 Collection	10186	LHFP	NM_005780.2	Full Length 100% match
ccsbBroadEn_02345	ccsbBroad304_02345		BC005968,BC022864	10190	TXNDC9	no errors	hORFeome V8.1 Collection	10190	TXNDC9	NM_005783.3	Full Length 100% match
ccsbBroadEn_02346	ccsbBroad304_02346		BC032637	10193	RNF41	no errors	hORFeome V8.1 Collection	10193	RNF41	NM_005785.2; NM_194359.1	Full Length 100% match
ccsbBroadEn_02347	ccsbBroad304_02347		BC002839	10195	ALG3	no errors	hORFeome V8.1 Collection	10195	ALG3	NM_005787.5	Full Length 100% match
ccsbBroadEn_02348	ccsbBroad304_02348		BC001423,BC008020	10197	PSME3	no errors	hORFeome V8.1 Collection	10197	PSME3	NM_005789.2	Full Length 100% match
ccsbBroadEn_02349	ccsbBroad304_02349		BC130440,CCSB53155	10198	MPHOSPH9	no errors	hORFeome V8.1 Collection	10198	MPHOSPH9	NM_022782.2	Full Length 100% match
ccsbBroadEn_02350	ccsbBroad304_02350		BC001808	10201	NME6	no errors	hORFeome V8.1 Collection	10201	NME6	NM_005793.3	Full Length 100% match
ccsbBroadEn_02351	ccsbBroad304_02351		BC002786	10202	DHRS2	no errors	hORFeome V8.1 Collection	10202	DHRS2	NM_182908.4	Full Length 100% match
ccsbBroadEn_02352	ccsbBroad304_02352		BC002348	10204	NUTF2	no errors	hORFeome V8.1 Collection	10204	NUTF2	NM_005796.1	Full Length 100% match
ccsbBroadEn_02353	ccsbBroad304_02353		BC017774	10205	MPZL2	no errors	hORFeome V8.1 Collection	10205	MPZL2	NM_005797.3; NM_144765.2	Full Length 100% match
ccsbBroadEn_02354	ccsbBroad304_02354		BC003579,BC063407	10206	TRIM13	no errors	hORFeome V8.1 Collection	10206	TRIM13	NM_005798.3; NM_052811.2; NM_213590.1	Full Length 100% match
ccsbBroadEn_02355	ccsbBroad304_02355		BC001146	10211	FLOT1	no errors	hORFeome V8.1 Collection	10211	FLOT1	NM_005803.2	Full Length 100% match
ccsbBroadEn_02356	ccsbBroad304_02356		BC001009	10212	DDX39	no errors	hORFeome V8.1 Collection	10212	DDX39	NM_005804.3	Full Length 100% match
ccsbBroadEn_02357	ccsbBroad304_02357		BC005904	10214	SSX3	no errors	hORFeome V8.1 Collection	10214	SSX3	NM_175711.1	Full Length 100% match
ccsbBroadEn_02358	ccsbBroad304_02358		BC103862	10214	SSX3	no errors	hORFeome V8.1 Collection	10214	SSX3	NM_021014.2	Full Length 100% match
ccsbBroadEn_02359	ccsbBroad304_02359		BC001881	10218	ANGPTL7	no errors	hORFeome V8.1 Collection	10218	ANGPTL7	NM_021146.2	Full Length 100% match
ccsbBroadEn_02360	ccsbBroad304_02360		BC069723,BC069789	10223	GPA33	no errors	hORFeome V8.1 Collection	10223	GPA33	NM_005814.1	Full Length 100% match
ccsbBroadEn_02361	ccsbBroad304_02361		BC001502	10227	MFS10	no errors	hORFeome V8.1 Collection	10227	MFS10	NM_001120.4; NM_001146069.1	Full Length 100% match
ccsbBroadEn_02362	ccsbBroad304_02362		BC009944	10228	STX6	no errors	hORFeome V8.1 Collection	10228	STX6	NM_005819.4	Full Length 100% match
ccsbBroadEn_02363	ccsbBroad304_02363		BC003185	10229	COQ7	no errors	hORFeome V8.1 Collection	10229	COQ7	NM_016138.4	Full Length 100% match
ccsbBroadEn_02364	ccsbBroad304_02364		BC117151	10235	RASGRP2	no errors	hORFeome V8.1 Collection	10235	RASGRP2	NM_153819.1; NM_001098670.1;	Full Length 100% match
ccsbBroadEn_02365	ccsbBroad304_02365		BC001449	10236	HNRNPR	no errors	hORFeome V8.1 Collection	10236	HNRNPR	NM_001102398.1	Full Length 100% match
ccsbBroadEn_02366	ccsbBroad304_02366		BC001264	10238	DCAF7	no errors	hORFeome V8.1 Collection	10238	DCAF7	NM_005828.3	Full Length 100% match
ccsbBroadEn_02367	ccsbBroad304_02367		BC015893	10241	CALCOCO2	no errors	hORFeome V8.1 Collection	10241	CALCOCO2	NM_005831.3	Full Length 100% match
ccsbBroadEn_02368	ccsbBroad304_02368		BC010142	10245	TIMM17B	no errors	hORFeome V8.1 Collection	10245	TIMM17B	NM_005834.3	Full Length 100% match
ccsbBroadEn_02369	ccsbBroad304_02369	454	BC112033	10246	SLC17A2	no errors	hORFeome V8.1 Collection	10246	SLC17A2	NM_005835.2	Full Length 100% match
ccsbBroadEn_02370	ccsbBroad304_02370		BC010280,BC012592	10247	HRSP12	no errors	hORFeome V8.1 Collection	10247	HRSP12	NM_005836.2	Full Length 100% match
ccsbBroadEn_02371	ccsbBroad304_02371		BC001430	10248	POP7	no errors	hORFeome V8.1 Collection	10248	POP7	NM_005837.2	Full Length 100% match
ccsbBroadEn_02372	ccsbBroad304_02372		BC063856	10252	SPRY1	no errors	hORFeome V8.1 Collection	10252	SPRY1	NM_005841.1; NM_199327.1	Full Length 100% match
ccsbBroadEn_02373	ccsbBroad304_02373		BC015745	10253	SPRY2	no errors	hORFeome V8.1 Collection	10253	SPRY2	NM_005842.2	Full Length 100% match
ccsbBroadEn_02374	ccsbBroad304_02374		BC004273,BC013886	10262	SF3B4	no errors	hORFeome V8.1 Collection	10262	SF3B4	NM_005850.3	Full Length 100% match
ccsbBroadEn_02375	ccsbBroad304_02375		BC002850,BC016704	10263	CDK2AP2	no errors	hORFeome V8.1 Collection	10263	CDK2AP2	NM_005851.3	Full Length 100% match
ccsbBroadEn_02376	ccsbBroad304_02376		BC000548	10267	RAMP1	no errors	hORFeome V8.1 Collection	10267	RAMP1	NM_005855.2	Full Length 100% match
ccsbBroadEn_02377	ccsbBroad304_02377		BC022304	10268	RAMP3	no errors	hORFeome V8.1 Collection	10268	RAMP3	NM_005856.2	Full Length 100% match
ccsbBroadEn_02378	ccsbBroad304_02378		BC007545,BC063617	10273	STUB1	no errors	hORFeome V8.1 Collection	10273	STUB1	NM_005861.2	Full Length 100% match
ccsbBroadEn_02379	ccsbBroad304_02379		BC053553	10276	NET1	no errors	hORFeome V8.1 Collection	10276	NET1	NM_001047160.1	Full Length 100% match
ccsbBroadEn_02380	ccsbBroad304_02380		BC034246	10278	EFS	no errors	hORFeome V8.1 Collection	10278	EFS	NM_032459.1	Full Length 100% match
ccsbBroadEn_02381	ccsbBroad304_02381		BC004899	10280	SIGMAR1	no errors	hORFeome V8.1 Collection	10280	SIGMAR1	NM_005866.2	Full Length 100% match
ccsbBroadEn_02382	ccsbBroad304_02382		BC069729	10281	DSCR4	no errors	hORFeome V8.1 Collection	10281	DSCR4	NM_005867.2	Full Length 100% match
ccsbBroadEn_02383	ccsbBroad304_02383		BC000899	10282	BET1	no errors	hORFeome V8.1 Collection	10282	BET1	NM_005868.4	Full Length 100% match
ccsbBroadEn_02384	ccsbBroad304_02384		BC011234	10285	SMNDC1	no errors	hORFeome V8.1 Collection	10285	SMNDC1	NM_005871.3	Full Length 100% match



ccsbBroadEn_02385	ccsbBroad304_02385		BC005285,BC022880	10286	BCAS2	no errors	hORFeome V8.1 Collection	10286	BCAS2	NM_005872.2	Full Length 100% match
ccsbBroadEn_02386	ccsbBroad304_02386		BC006996	10289	EIF1B	no errors	hORFeome V8.1 Collection	10289	EIF1B	NM_005875.2	Full Length 100% match
ccsbBroadEn_02387	ccsbBroad304_02387		BC006346	10290	SPEG	no errors	hORFeome V8.1 Collection	10290	SPEG	NM_001173476.1	Full Length 100% match
ccsbBroadEn_02388	ccsbBroad304_02388		BC001976,BC007684	10291	SF3A1	no errors	hORFeome V8.1 Collection	10291	SF3A1	NM_005877.4	Full Length 100% match
ccsbBroadEn_02389	ccsbBroad304_02389		BC000310	10293	TRAI	no errors	hORFeome V8.1 Collection	10293	TRAI	NM_005879.2	Full Length 100% match
ccsbBroadEn_02390	ccsbBroad304_02390		BC013044,BC015809	10294	DNAJA2	no errors	hORFeome V8.1 Collection	10294	DNAJA2	NM_005880.3	Full Length 100% match
ccsbBroadEn_02391	ccsbBroad304_02391		BC007363	10295	BCKDK	no errors	hORFeome V8.1 Collection	10295	BCKDK	NM_005881.2	Full Length 100% match
ccsbBroadEn_02392	ccsbBroad304_02392		BC011368,BC025282	10298	PAK4	no errors	hORFeome V8.1 Collection	10298	PAK4	NM_005884.3; NM_001014832.1; NM_001014831.2	Full Length 100% match
ccsbBroadEn_02393	ccsbBroad304_02393		BC125187	10307	APBB3	no errors	hORFeome V8.1 Collection	10307	APBB3	NM_133173.2	Full Length 100% match
ccsbBroadEn_02394	ccsbBroad304_02394		BC127088	10308	ZNF267	no errors	hORFeome V8.1 Collection	10308	ZNF267	NM_003414.4	Full Length 100% match
ccsbBroadEn_02395	ccsbBroad304_02395	454	BC110655	10311	DSCR3	no errors	hORFeome V8.1 Collection	10311	DSCR3	NM_006052.1	Full Length 100% match
ccsbBroadEn_02396	ccsbBroad304_02396		BC018133,BC032465	10312	TCIRG1	no errors	hORFeome V8.1 Collection	10312	TCIRG1	NM_006019.3	Full Length 100% match
ccsbBroadEn_02397	ccsbBroad304_02397		BC000634,BC022993	10313	RTN3	no errors	hORFeome V8.1 Collection	10313	RTN3	NM_006054.2	Full Length 100% match
ccsbBroadEn_02398	ccsbBroad304_02398		BC028685	10314	LANCL1	no errors	hORFeome V8.1 Collection	10314	LANCL1	NM_001136575.1; NM_006055.2; NM_001136574.1	Full Length 100% match
ccsbBroadEn_02399	ccsbBroad304_02399		BC014008	10318	TNIP1	no errors	hORFeome V8.1 Collection	10318	TNIP1	NM_006058.3	Full Length 100% match
ccsbBroadEn_02400	ccsbBroad304_02400		BC006534	10324	KBTBD10	no errors	hORFeome V8.1 Collection	10324	KBTBD10	NM_006063.2	Full Length 100% match
ccsbBroadEn_02401	ccsbBroad304_02401		BC000670	10327	AKR1A1	no errors	hORFeome V8.1 Collection	10327	AKR1A1	NM_006066.2; NM_153326.1	Full Length 100% match
ccsbBroadEn_02402	ccsbBroad304_02402		BC013152	10329	TMEM5	no errors	hORFeome V8.1 Collection	10329	TMEM5	NM_014254.1	Full Length 100% match
ccsbBroadEn_02403	ccsbBroad304_02403		BC065015	10330	CNPY2	no errors	hORFeome V8.1 Collection	10330	CNPY2	NM_014255.5	Full Length 100% match
ccsbBroadEn_02404	ccsbBroad304_02404		BC117127	10335	MRV11	no errors	hORFeome V8.1 Collection	10335	MRV11	NM_001100167.1	Full Length 100% match
ccsbBroadEn_02405	ccsbBroad304_02405		BC001483,BC023599	10342	TFG	no errors	hORFeome V8.1 Collection	10342	TFG	NM_006070.5; NM_001195478.1; NM_001007565.2	Full Length 100% match
ccsbBroadEn_02406	ccsbBroad304_02406	454	BC069394,BC101665	10344	CCL26	no errors	hORFeome V8.1 Collection	10344	CCL26	NM_006072.4	Full Length 100% match
ccsbBroadEn_02407	ccsbBroad304_02407		BC054868	10360	NPM3	no errors	hORFeome V8.1 Collection	10360	NPM3	NM_006993.2	Full Length 100% match
ccsbBroadEn_02408	ccsbBroad304_02408		BC002552,BC003505	10362	HMG20B	no errors	hORFeome V8.1 Collection	10362	HMG20B	NM_006339.2	Full Length 100% match
ccsbBroadEn_02409	ccsbBroad304_02409		BC021959	10363	HMG20A	no errors	hORFeome V8.1 Collection	10363	HMG20A	NM_018200.2	Full Length 100% match
ccsbBroadEn_02410	ccsbBroad304_02410		BC004190,BC016641	10367	CBARA1	no errors	hORFeome V8.1 Collection	10367	CBARA1	NM_001195518.1	Full Length 100% match
ccsbBroadEn_02411	ccsbBroad304_02411		BC040005	10368	CACNG3	no errors	hORFeome V8.1 Collection	10368	CACNG3	NM_006539.3	Full Length 100% match
ccsbBroadEn_02412	ccsbBroad304_02412		BC069612	10369	CACNG2	no errors	hORFeome V8.1 Collection	10369	CACNG2	NM_006078.3	Full Length 100% match
ccsbBroadEn_02413	ccsbBroad304_02413		BC000696,BC015883	10376	TUBA1B	no errors	hORFeome V8.1 Collection	10376	TUBA1B	NM_006082.2	Full Length 100% match
ccsbBroadEn_02414	ccsbBroad304_02414		BC035716	10379	IRF9	no errors	hORFeome V8.1 Collection	10379	IRF9	NM_006084.4	Full Length 100% match
ccsbBroadEn_02415	ccsbBroad304_02415		BC000748	10381	TUBB3	no errors	hORFeome V8.1 Collection	10381	TUBB3	NM_006086.3	Full Length 100% match
ccsbBroadEn_02416	ccsbBroad304_02416		BC001911,BC039175	10383	TUBB2C	no errors	hORFeome V8.1 Collection	10383	TUBB2C	NM_006088.5	Full Length 100% match
ccsbBroadEn_02417	ccsbBroad304_02417		BC015815	10384	BTN3A3	no errors	hORFeome V8.1 Collection	10384	BTN3A3	NM_006994.4	Full Length 100% match
ccsbBroadEn_02418	ccsbBroad304_02418		BC005217	10393	ANAPC10	no errors	hORFeome V8.1 Collection	10393	ANAPC10	NM_014885.3	Full Length 100% match
ccsbBroadEn_02419	ccsbBroad304_02419		BC003175	10397	NDRG1	no errors	hORFeome V8.1 Collection	10397	NDRG1	NM_001135242.1; NM_006096.3	Full Length 100% match
ccsbBroadEn_02420	ccsbBroad304_02420		BC035617	10403	NDC80	no errors	hORFeome V8.1 Collection	10403	NDC80	NM_006101.2	Full Length 100% match
ccsbBroadEn_02421	ccsbBroad304_02421		BC046106	10406	WFDC2	no errors	hORFeome V8.1 Collection	10406	WFDC2	NM_006103.3	Full Length 100% match
ccsbBroadEn_02422	ccsbBroad304_02422		BC006794	10410	IFITM3	no errors	hORFeome V8.1 Collection	10410	IFITM3	NM_021034.2	Full Length 100% match
ccsbBroadEn_02423	ccsbBroad304_02423		BC000495	10421	CD2BP2	no errors	hORFeome V8.1 Collection	10421	CD2BP2	NM_006110.2	Full Length 100% match
ccsbBroadEn_02424	ccsbBroad304_02424		BC004967,BC011822	10422	UBAC1	no errors	hORFeome V8.1 Collection	10422	UBAC1	NM_016172.2	Full Length 100% match
ccsbBroadEn_02425	ccsbBroad304_02425		BC001444	10423	CDIPT	no errors	hORFeome V8.1 Collection	10423	CDIPT	NM_006319.3	Full Length 100% match
ccsbBroadEn_02426	ccsbBroad304_02426		BC000422	10425	ARIH2	no errors	hORFeome V8.1 Collection	10425	ARIH2	NM_006321.2	Full Length 100% match
ccsbBroadEn_02427	ccsbBroad304_02427		BC001118	10430	TMEM147	no errors	hORFeome V8.1 Collection	10430	TMEM147	NM_032635.2	Full Length 100% match
ccsbBroadEn_02428	ccsbBroad304_02428		BC066951	10431	LOC10431	no errors	hORFeome V8.1 Collection	100287932	TIMM23	NM_006327.2	Full Length 100% match
ccsbBroadEn_02429	Failed LR reaction		BC000488	10432	RBM14	no errors	hORFeome V8.1 Collection	10432	RBM14	NM_006328.3	Full Length 100% match
ccsbBroadEn_02430	ccsbBroad304_02430		BC022337	10435	CDC42EP2	no errors	hORFeome V8.1 Collection	10435	CDC42EP2	NM_006779.2	Full Length 100% match
ccsbBroadEn_02431	ccsbBroad304_02431		BC055314	10436	EMG1	no errors	hORFeome V8.1 Collection	10436	EMG1	NM_006331.7	Full Length 100% match
ccsbBroadEn_02432	ccsbBroad304_02432		BC021136	10437	IFI30	no errors	hORFeome V8.1 Collection	10437	IFI30	NM_006332.3	Full Length 100% match
ccsbBroadEn_02433	ccsbBroad304_02433		BC009584,BC016284	10438	C1D	no errors	hORFeome V8.1 Collection	10438	C1D	NM_006333.3; NM_173177.2; NM_001190263.1; NM_001190265.1	Full Length 100% match
ccsbBroadEn_02434	ccsbBroad304_02434		BC000294,BC020833	10440	TIMM17A	no errors	hORFeome V8.1 Collection	10440	TIMM17A	NM_006335.2	Full Length 100% match
ccsbBroadEn_02435	ccsbBroad304_02435		BC010643	10443	N4BP2L2	no errors	hORFeome V8.1 Collection	10443	N4BP2L2	NM_014887.2	Full Length 100% match
ccsbBroadEn_02436	ccsbBroad304_02436		BC052563	10444	ZER1	no errors	hORFeome V8.1 Collection	10444	ZER1	NM_006336.2	Full Length 100% match
ccsbBroadEn_02437	ccsbBroad304_02437		BC011794	10445	MCRS1	no errors	hORFeome V8.1 Collection	10445	MCRS1	NM_006337.3	Full Length 100% match
ccsbBroadEn_02438	ccsbBroad304_02438		BC046932	10447	FAM3C	no errors	hORFeome V8.1 Collection	10447	FAM3C	NM_014888.2; NM_001040020.1	Full Length 100% match
ccsbBroadEn_02439	ccsbBroad304_02439		BC001918	10449	ACAA2	no errors	hORFeome V8.1 Collection	10449	ACAA2	NM_006111.2	Full Length 100% match
ccsbBroadEn_02440	ccsbBroad304_02440		BC004898,BC008451	10450	PPIE	no errors	hORFeome V8.1 Collection	10450	PPIE	NM_006112.3	Full Length 100% match
ccsbBroadEn_02441	ccsbBroad304_02441		BC050554	10454	TAB1	no errors	hORFeome V8.1 Collection	10454	TAB1	NM_006116.2	Full Length 100% match
ccsbBroadEn_02442	ccsbBroad304_02442		BC034702	10455	PECI	no errors	hORFeome V8.1 Collection	10455	PECI	NM_006117.2; NM_001166010.1	Full Length 100% match
ccsbBroadEn_02443	ccsbBroad304_02443		BC014314,BC015209	10456	HAX1	no errors	hORFeome V8.1 Collection	10456	HAX1	NM_006118.3	Full Length 100% match
ccsbBroadEn_02444	ccsbBroad304_02444		BC017333	10467	ZNHIT1	no errors	hORFeome V8.1 Collection	10467	ZNHIT1	NM_006349.2	Full Length 100% match
ccsbBroadEn_02445	ccsbBroad304_02445		BC033628	10469	TIMM44	no errors	hORFeome V8.1 Collection	10469	TIMM44	NM_006351.3	Full Length 100% match
ccsbBroadEn_02446	ccsbBroad304_02446		BC013433	10474	TADA3	no errors	hORFeome V8.1 Collection	10474	TADA3	NM_006354.2	Full Length 100% match
ccsbBroadEn_02447	ccsbBroad304_02447		BC038092	10476	ATP5H	no errors	hORFeome V8.1 Collection	10476	ATP5H	NM_006356.2	Full Length 100% match
ccsbBroadEn_02448	ccsbBroad304_02448		BC003554	10477	UBE2E3	no errors	hORFeome V8.1 Collection	10477	UBE2E3	NM_006357.2; NM_182678.1	Full Length 100% match
ccsbBroadEn_02449	ccsbBroad304_02449		BC005957,BC012998	10478	SLC25A17	no errors	hORFeome V8.1 Collection	10478	SLC25A17	NM_006358.2	Full Length 100% match
ccsbBroadEn_02450	ccsbBroad304_02450		BC019103,BC051292	10480	EIF3M	no errors	hORFeome V8.1 Collection	10480	EIF3M	NM_006360.3	Full Length 100% match
ccsbBroadEn_02451	ccsbBroad304_02451		BC007092	10481	HOXB13	no errors	hORFeome V8.1 Collection	10481	HOXB13	NM_006361.5	Full Length 100% match
ccsbBroadEn_02452	ccsbBroad304_02452		BC004904,BC028041	10482	NXF1	no errors	hORFeome V8.1 Collection	10482	NXF1	NM_006362.4	Full Length 100% match
ccsbBroadEn_02453	ccsbBroad304_02453		BC005032	10483	SEC23B	no errors	hORFeome V8.1 Collection	10483	SEC23B	NM_006363.4; NM_032986.3; NM_032985.4; NM_001172745.1	Full Length 100% match
ccsbBroadEn_02454	ccsbBroad304_02454		BC013963	10487	CAP1	no errors	hORFeome V8.1 Collection	10487	CAP1	NM_006367.3; NM_001105530.1	Full Length 100% match
ccsbBroadEn_02455	ccsbBroad304_02455		BC010158	10488	CREB3	no errors	hORFeome V8.1 Collection	10488	CREB3	NM_006368.4	Full Length 100% match
ccsbBroadEn_02456	ccsbBroad304_02456		BC003142	10490	VT11B	no errors	hORFeome V8.1 Collection	10490	VT11B	NM_006370.2	Full Length 100% match
ccsbBroadEn_02457	ccsbBroad304_02457		BC032643	10492	SYNCRIP	no errors	hORFeome V8.1 Collection	10492	SYNCRIP	NM_001159674.1	Full Length 100% match
ccsbBroadEn_02458	ccsbBroad304_02458		BC007852	10494	STK25	no errors	hORFeome V8.1 Collection	10494	STK25	NM_006374.3	Full Length 100% match
ccsbBroadEn_02459	ccsbBroad304_02459		BC117167	10524	KAT5	no errors	hORFeome V8.1 Collection	10524	KAT5	NM_006388.2	Full Length 100% match



ccsbBroadEn_02460	ccsbBroad304_02460		BC000091	10533	ATG7	no errors	hORFeome V8.1 Collection	10533	ATG7	NM_001136031.2	Full Length 100% match
ccsbBroadEn_02461	Failed LR reaction		BC005289	10539	GLRX3	no errors	hORFeome V8.1 Collection	10539	GLRX3	NM_006541.3	Full Length 100% match
ccsbBroadEn_02462	ccsbBroad304_02462		BC062619	10542	HBXIP	no errors	hORFeome V8.1 Collection	10542	HBXIP	NM_006402.2	Full Length 100% match
ccsbBroadEn_02463	ccsbBroad304_02463		BC010856	10548	TM9SF1	no errors	hORFeome V8.1 Collection	10548	TM9SF1	NM_006405.5	Full Length 100% match
ccsbBroadEn_02464	ccsbBroad304_02464		BC003609,BC016770	10549	PRDX4	no errors	hORFeome V8.1 Collection	10549	PRDX4	NM_006406.1	Full Length 100% match
ccsbBroadEn_02465	ccsbBroad304_02465		BC005143	10550	ARL6IP5	no errors	hORFeome V8.1 Collection	10550	ARL6IP5	NM_006407.3	Full Length 100% match
ccsbBroadEn_02466	ccsbBroad304_02466		BC039594,BC054027	10552	ARPC1A	no errors	hORFeome V8.1 Collection	10552	ARPC1A	NM_006409.3	Full Length 100% match
ccsbBroadEn_02467	ccsbBroad304_02467		BC002402,BC004310	10554	AGPAT1	no errors	hORFeome V8.1 Collection	10554	AGPAT1	NM_032741.4; NM_006411.3	Full Length 100% match
ccsbBroadEn_02468	ccsbBroad304_02468		BC006991	10556	RPP30	no errors	hORFeome V8.1 Collection	10556	RPP30	NM_006413.4	Full Length 100% match
ccsbBroadEn_02469	ccsbBroad304_02469		BC017807	10559	SLC35A1	no errors	hORFeome V8.1 Collection	10559	SLC35A1	NM_006416.4	Full Length 100% match
ccsbBroadEn_02470	ccsbBroad304_02470		BC117329	10562	OLFM4	no errors	hORFeome V8.1 Collection	10562	OLFM4	NM_006418.3	Full Length 100% match
ccsbBroadEn_02471	ccsbBroad304_02471		BC012589	10563	CXCL13	no errors	hORFeome V8.1 Collection	10563	CXCL13	NM_006419.2	Full Length 100% match
ccsbBroadEn_02472	ccsbBroad304_02472	454	BC142704	10568	SLC34A2	no errors	hORFeome V8.1 Collection	10568	SLC34A2	NM_001177998.1; NM_001177999.1	Full Length 100% match
ccsbBroadEn_02473	ccsbBroad304_02473		BC034562	10572	SIVA1	no errors	hORFeome V8.1 Collection	10572	SIVA1	NM_021709.2	Full Length 100% match
ccsbBroadEn_02474	ccsbBroad304_02474		BC106934	10575	CCT4	no errors	hORFeome V8.1 Collection	10575	CCT4	NM_006430.2	Full Length 100% match
ccsbBroadEn_02475	ccsbBroad304_02475		BC002532	10577	NPC2	no errors	hORFeome V8.1 Collection	10577	NPC2	NM_006432.3	Full Length 100% match
ccsbBroadEn_02476	ccsbBroad304_02476		BC023576	10578	GNLY	no errors	hORFeome V8.1 Collection	10578	GNLY	NM_006433.3	Full Length 100% match
ccsbBroadEn_02477	ccsbBroad304_02477		BC103816	10584	COLEC10	no errors	hORFeome V8.1 Collection	10584	COLEC10	NM_006438.3	Full Length 100% match
ccsbBroadEn_02478	Failed LR reaction		BC009983	10586	MAB21L2	no errors	hORFeome V8.1 Collection	10586	MAB21L2	NM_006439.4	Full Length 100% match
ccsbBroadEn_02479	ccsbBroad304_02479		BC000336	10590	SCGN	no errors	hORFeome V8.1 Collection	10590	SCGN	NM_006998.3	Full Length 100% match
ccsbBroadEn_02480	ccsbBroad304_02480		BC011683	10591	C6orf108	no errors	hORFeome V8.1 Collection	10591	C6orf108	NM_006443.2	Full Length 100% match
ccsbBroadEn_02481	ccsbBroad304_02481		BC000321	10598	AHSA1	no errors	hORFeome V8.1 Collection	10598	AHSA1	NM_012111.2	Full Length 100% match
ccsbBroadEn_02482	ccsbBroad304_02482		BC019270	10602	CDC42EP3	no errors	hORFeome V8.1 Collection	10602	CDC42EP3	NM_006449.3	Full Length 100% match
ccsbBroadEn_02483	ccsbBroad304_02483		BC005295	10605	PAIP1	no errors	hORFeome V8.1 Collection	10605	PAIP1	NM_182789.3	Full Length 100% match
ccsbBroadEn_02484	ccsbBroad304_02484		BC010273,BC019255	10606	PAICS	no errors	hORFeome V8.1 Collection	10606	PAICS	NM_006452.3; NM_001079524.1	Full Length 100% match
ccsbBroadEn_02485	ccsbBroad304_02485		BC065574	10617	STAMPB	no errors	hORFeome V8.1 Collection	10617	STAMPB	NM_006463.3; NM_201647.1; NM_213622.1	Full Length 100% match
ccsbBroadEn_02486	ccsbBroad304_02486		BC031972	10627	MYL12A	no errors	hORFeome V8.1 Collection	10627	MYL12A	NM_006471.2	Full Length 100% match
ccsbBroadEn_02487	ccsbBroad304_02487	454	BC093702	10628	TXNIP	no errors	hORFeome V8.1 Collection	10628	TXNIP	NM_006472.3	Full Length 100% match
ccsbBroadEn_02488	ccsbBroad304_02488		BC106710	10631	POSTN	no errors	hORFeome V8.1 Collection	10631	POSTN	NM_001135934.1	Full Length 100% match
ccsbBroadEn_02489	ccsbBroad304_02489		BC040434	10633	RASL10A	no errors	hORFeome V8.1 Collection	10633	RASL10A	NM_001007279.1	Full Length 100% match
ccsbBroadEn_02490	ccsbBroad304_02490		BC016330	10635	RAD51AP1	no errors	hORFeome V8.1 Collection	10635	RAD51AP1	NM_001130862.1	Full Length 100% match
ccsbBroadEn_02491	ccsbBroad304_02491		BC006992	10635	RAD51AP1	no errors	hORFeome V8.1 Collection	10635	RAD51AP1	NM_006479.4	Full Length 100% match
ccsbBroadEn_02492	ccsbBroad304_02492		BC027883	10637	LEFTY1	no errors	hORFeome V8.1 Collection	10637	LEFTY1	NM_020997.2	Full Length 100% match
ccsbBroadEn_02493	ccsbBroad304_02493	454	BC069290,BC104838	10647	SCGB1D2	no errors	hORFeome V8.1 Collection	10647	SCGB1D2	NM_006551.3	Full Length 100% match
ccsbBroadEn_02494	ccsbBroad304_02494		BC069289	10648	SCGB1D1	no errors	hORFeome V8.1 Collection	10648	SCGB1D1	NM_006552.1	Full Length 100% match
ccsbBroadEn_02495	ccsbBroad304_02495		BC106750	10650	SLMO1	no errors	hORFeome V8.1 Collection	10650	SLMO1	NM_006553.3; NM_001142405.1	Full Length 100% match
ccsbBroadEn_02496	ccsbBroad304_02496		BC067831	10651	MTX2	no errors	hORFeome V8.1 Collection	10651	MTX2	NM_006554.4	Full Length 100% match
ccsbBroadEn_02497	ccsbBroad304_02497		BC007319	10652	YKT6	no errors	hORFeome V8.1 Collection	10652	YKT6	NM_006555.3	Full Length 100% match
ccsbBroadEn_02498	ccsbBroad304_02498		BC033584	10663	CXCR6	no errors	hORFeome V8.1 Collection	10663	CXCR6	NM_006564.1	Full Length 100% match
ccsbBroadEn_02499	ccsbBroad304_02499		BC014267	10664	CTCF	no errors	hORFeome V8.1 Collection	10664	CTCF	NM_006565.3	Full Length 100% match
ccsbBroadEn_02500	ccsbBroad304_02500		BC006433,BC009990	10670	RRAGA	no errors	hORFeome V8.1 Collection	10670	RRAGA	NM_006570.4	Full Length 100% match
ccsbBroadEn_02501	ccsbBroad304_02501		BC013175	10671	DCTN6	no errors	hORFeome V8.1 Collection	10671	DCTN6	NM_006571.2	Full Length 100% match
ccsbBroadEn_02502	ccsbBroad304_02502		BC036756	10672	GNA13	no errors	hORFeome V8.1 Collection	10672	GNA13	NM_006572.4	Full Length 100% match
ccsbBroadEn_02503	ccsbBroad304_02503		BC020674	10673	TNFSF13B	no errors	hORFeome V8.1 Collection	10673	TNFSF13B	NM_006573.3	Full Length 100% match
ccsbBroadEn_02504	ccsbBroad304_02504		BC030579,BC047933	10678	B3GNT2	no errors	hORFeome V8.1 Collection	10678	B3GNT2	NM_006577.5	Full Length 100% match
ccsbBroadEn_02505	ccsbBroad304_02505		BC013997	10681	GNB5	no errors	hORFeome V8.1 Collection	10681	GNB5	NM_006578.3	Full Length 100% match
ccsbBroadEn_02506	ccsbBroad304_02506		BC001549,BC046501	10682	EBP	no errors	hORFeome V8.1 Collection	10682	EBP	NM_006579.2	Full Length 100% match
ccsbBroadEn_02507	ccsbBroad304_02507		BC069662,BC069777	10686	CLDN16	no errors	hORFeome V8.1 Collection	10686	CLDN16	NM_006580.3	Full Length 100% match
ccsbBroadEn_02508	ccsbBroad304_02508		BC062301	10687	PNMA2	no errors	hORFeome V8.1 Collection	10687	PNMA2	NM_007257.5	Full Length 100% match
ccsbBroadEn_02509	ccsbBroad304_02509		BC001473	10691	GMEB1	no errors	hORFeome V8.1 Collection	10691	GMEB1	NM_024482.1	Full Length 100% match
ccsbBroadEn_02510	ccsbBroad304_02510		BC004423,BC008898	10695	CNPY3	no errors	hORFeome V8.1 Collection	10695	CNPY3	NM_006586.3	Full Length 100% match
ccsbBroadEn_02511	ccsbBroad304_02511		BC006493,BC010471	10712	FAM189B	no errors	hORFeome V8.1 Collection	10712	FAM189B	NM_006589.2	Full Length 100% match
ccsbBroadEn_02512	ccsbBroad304_02512		BC067273	10713	USP39	no errors	hORFeome V8.1 Collection	10713	USP39	NM_006590.2	Full Length 100% match
ccsbBroadEn_02513	ccsbBroad304_02513		BC014146	10717	AP4B1	no errors	hORFeome V8.1 Collection	10717	AP4B1	NM_006594.2	Full Length 100% match
ccsbBroadEn_02514	ccsbBroad304_02514		BC107059	10720	UGT2B11	no errors	hORFeome V8.1 Collection	10720	UGT2B11	NM_001073.1	Full Length 100% match
ccsbBroadEn_02515	ccsbBroad304_02515		BC003005	10728	PTGES3	no errors	hORFeome V8.1 Collection	10728	PTGES3	NM_006601.5	Full Length 100% match
ccsbBroadEn_02516	ccsbBroad304_02516		BC001765	10735	STAG2	no errors	hORFeome V8.1 Collection	10735	STAG2	NM_006603.4; NM_001042751.1	Full Length 100% match
ccsbBroadEn_02517	ccsbBroad304_02517		BC051910,BC069827	10739	RFPL2	no errors	hORFeome V8.1 Collection	10739	RFPL2	NM_001159545.1; NM_001159546.1	Full Length 100% match
ccsbBroadEn_02518	ccsbBroad304_02518	454	BC069114	10744	PTTG2	no errors	hORFeome V8.1 Collection	10744	PTTG2	NM_006607.2	Full Length 100% match
ccsbBroadEn_02519	ccsbBroad304_02519		BC034993	10749	KIF1C	no errors	hORFeome V8.1 Collection	10749	KIF1C	NM_006612.5	Full Length 100% match
ccsbBroadEn_02520	ccsbBroad304_02520		BC022335	10761	PLAC1	no errors	hORFeome V8.1 Collection	10761	PLAC1	NM_021796.3	Full Length 100% match
ccsbBroadEn_02521	ccsbBroad304_02521		BC001465,BC040849	10767	HBS1L	no errors	hORFeome V8.1 Collection	10767	HBS1L	NM_006620.3	Full Length 100% match
ccsbBroadEn_02522	ccsbBroad304_02522		BC065254,BC110896	10768	AHCYL1	no errors	hORFeome V8.1 Collection	10768	AHCYL1	NM_006621.4	Full Length 100% match
ccsbBroadEn_02523	ccsbBroad304_02523		BC005039	10772	SRSF10	no errors	hORFeome V8.1 Collection	100505793; 10772	LOC100505793; SRSF10	XM_003119083.1; NM_054016.2	Full Length 100% match
ccsbBroadEn_02524	ccsbBroad304_02524		BC001107	10772	SRSF10	no errors	hORFeome V8.1 Collection	100505793; 10772	LOC100505793; SRSF10	XM_003119081.1; NM_006625.4	Full Length 100% match
ccsbBroadEn_02525	ccsbBroad304_02525		BC037282	10773	ZBTB6	no errors	hORFeome V8.1 Collection	10773	ZBTB6	NM_006626.4	Full Length 100% match
ccsbBroadEn_02526	ccsbBroad304_02526		BC006098	10775	POP4	no errors	hORFeome V8.1 Collection	10775	POP4	NM_006627.2	Full Length 100% match
ccsbBroadEn_02527	ccsbBroad304_02527		BC017891	10791	VAMP5	no errors	hORFeome V8.1 Collection	10791	VAMP5	NM_006634.2	Full Length 100% match
ccsbBroadEn_02528	ccsbBroad304_02528		BC118625	10794	ZNF460	no errors	hORFeome V8.1 Collection	10794	ZNF460	NM_006635.3	Full Length 100% match
ccsbBroadEn_02529	ccsbBroad304_02529		BC069678	10803	CCR9	no errors	hORFeome V8.1 Collection	10803	CCR9	NM_031200.2	Full Length 100% match
ccsbBroadEn_02530	ccsbBroad304_02530		BC038934	10804	GJB6	no errors	hORFeome V8.1 Collection	10804	GJB6	NM_001110221.2; NM_001110220.2; NM_001110219.2;	Full Length 100% match
ccsbBroadEn_02531	ccsbBroad304_02531		BC037553	10808	HSPH1	no errors	hORFeome V8.1 Collection	10808	HSPH1	NM_006644.2	Full Length 100% match
ccsbBroadEn_02532	ccsbBroad304_02532		BC007919,BC014033	10809	STARD10	no errors	hORFeome V8.1 Collection	10809	STARD10	NM_006645.2	Full Length 100% match
ccsbBroadEn_02533	ccsbBroad304_02533		BC041594	10811	NOXA1	no errors	hORFeome V8.1 Collection	10811	NOXA1	NM_006647.1	Full Length 100% match
ccsbBroadEn_02534	ccsbBroad304_02534		BC001149,BC014987	10813	UTP14A	no errors	hORFeome V8.1 Collection	10813	UTP14A	NM_006649.3	Full Length 100% match
ccsbBroadEn_02535	ccsbBroad304_02535		BC112287	10814	CPLX2	no errors	hORFeome V8.1 Collection	10814	CPLX2	NM_006650.3; NM_001008220.1	Full Length 100% match
ccsbBroadEn_02536	ccsbBroad304_02536		BC002471	10815	CPLX1	no errors	hORFeome V8.1 Collection	10815	CPLX1	NM_006651.3	Full Length 100% match
ccsbBroadEn_02537	ccsbBroad304_02537		BC007216	10826	C5orf4	no errors	hORFeome V8.1 Collection	10826	C5orf4	NM_032385.3	Full Length 100% match
ccsbBroadEn_02538	ccsbBroad304_02538		BC004531	10856	RUVBL2	no errors	hORFeome V8.1 Collection	10856	RUVBL2	NM_006666.1	Full Length 100% match



ccsbBroadEn_02539	ccsbBroad304_02539		BC015517	10861	SLC26A1	no errors	hORFeome V8.1 Collection	10861	SLC26A1	NM_134425.1	Full Length 100% match
ccsbBroadEn_02540	ccsbBroad304_02540		BC033805	10864	SLC22A7	no errors	hORFeome V8.1 Collection	10864	SLC22A7	NM_153320.2	Full Length 100% match
ccsbBroadEn_02541	ccsbBroad304_02541		BC035931,BC065224	10870	HCST	no errors	hORFeome V8.1 Collection	10870	HCST	NM_014266.3	Full Length 100% match
ccsbBroadEn_02542	ccsbBroad304_02542		BC022279	10871	CD300C	no errors	hORFeome V8.1 Collection	10871	CD300C	NM_006678.3	Full Length 100% match
ccsbBroadEn_02543	ccsbBroad304_02543		BC033820	10875	FGL2	no errors	hORFeome V8.1 Collection	10875	FGL2	NM_006682.2	Full Length 100% match
ccsbBroadEn_02544	Failed LR reaction		BC106711	10876	EDDM3A	no errors	hORFeome V8.1 Collection	10876	EDDM3A	NM_006683.4	Full Length 100% match
ccsbBroadEn_02545	ccsbBroad304_02545		BC058009	10878	CFHR3	no errors	hORFeome V8.1 Collection	10878	CFHR3	NM_021023.5	Full Length 100% match
ccsbBroadEn_02546	ccsbBroad304_02546		BC015327	10879	SMR3B	no errors	hORFeome V8.1 Collection	10879	SMR3B	NM_006685.3	Full Length 100% match
ccsbBroadEn_02547	ccsbBroad304_02547		BC007735	10884	MRPS30	no errors	hORFeome V8.1 Collection	10884	MRPS30	NM_016640.3	Full Length 100% match
ccsbBroadEn_02548	ccsbBroad304_02548		BC100960	10887	PROKR1	no errors	hORFeome V8.1 Collection	10887	PROKR1	NM_138964.2	Full Length 100% match
ccsbBroadEn_02549	ccsbBroad304_02549		BC093987	10896	OCLM	no errors	hORFeome V8.1 Collection	10896	OCLM	NM_022375.3	Full Length 100% match
ccsbBroadEn_02550	ccsbBroad304_02550		BC001299	10897	YIF1A	no errors	hORFeome V8.1 Collection	10897	YIF1A	NM_020470.2	Full Length 100% match
ccsbBroadEn_02551	ccsbBroad304_02551		BC003101	10898	CPSF4	no errors	hORFeome V8.1 Collection	10898	CPSF4	NM_001081559.1	Full Length 100% match
ccsbBroadEn_02552	ccsbBroad304_02552		BC000499,BC001667	10899	JTB	no errors	hORFeome V8.1 Collection	10899	JTB	NM_006694.3	Full Length 100% match
ccsbBroadEn_02553	ccsbBroad304_02553		BC047692	10904	BLCAP	no errors	hORFeome V8.1 Collection	10904	BLCAP	NM_001167820.1; NM_001167821.1; NM_001167823.1; NM_006698.3; NM_001167822.1	Full Length 100% match
ccsbBroadEn_02554	ccsbBroad304_02554		BC003553	10906	TRAFD1	no errors	hORFeome V8.1 Collection	10906	TRAFD1	NM_001143906.1	Full Length 100% match
ccsbBroadEn_02555	ccsbBroad304_02555		BC001046	10907	TXNL4A	no errors	hORFeome V8.1 Collection	10907	TXNL4A	NM_006701.2	Full Length 100% match
ccsbBroadEn_02556	ccsbBroad304_02556		BC051768	10908	PNPLA6	no errors	hORFeome V8.1 Collection	10908	PNPLA6	NM_006702.4	Full Length 100% match
ccsbBroadEn_02557	ccsbBroad304_02557		BC000465,BC019325	10912	GADD45G	no errors	hORFeome V8.1 Collection	10912	GADD45G	NM_006705.3	Full Length 100% match
ccsbBroadEn_02558	ccsbBroad304_02558		BC000304	10916	MAGED2	no errors	hORFeome V8.1 Collection	10916	MAGED2	NM_014599.4; NM_177433.1; NM_201222.1	Full Length 100% match
ccsbBroadEn_02559	ccsbBroad304_02559		BC003090	10920	COPS8	no errors	hORFeome V8.1 Collection	10920	COPS8	NM_006710.4	Full Length 100% match
ccsbBroadEn_02560	ccsbBroad304_02560		BC001659	10921	RNPS1	no errors	hORFeome V8.1 Collection	10921	RNPS1	NM_080594.2; NM_006711.3	Full Length 100% match
ccsbBroadEn_02561	ccsbBroad304_02561		BC011770	10922	FASTK	no errors	hORFeome V8.1 Collection	10922	FASTK	NM_006712.3	Full Length 100% match
ccsbBroadEn_02562	ccsbBroad304_02562		BC018999	10924	SMPDL3A	no errors	hORFeome V8.1 Collection	10924	SMPDL3A	NM_006714.3	Full Length 100% match
ccsbBroadEn_02563	ccsbBroad304_02563		BC036045,BC047693	10926	DBF4	no errors	hORFeome V8.1 Collection	10926	DBF4	NM_006716.3	Full Length 100% match
ccsbBroadEn_02564	ccsbBroad304_02564		BC013571	10927	SPIN1	no errors	hORFeome V8.1 Collection	10927	SPIN1	NM_006717.2	Full Length 100% match
ccsbBroadEn_02565	ccsbBroad304_02565		BC013126	10928	RALBP1	no errors	hORFeome V8.1 Collection	10928	RALBP1	NM_006788.3	Full Length 100% match
ccsbBroadEn_02566	ccsbBroad304_02566		BC002936,BC022845	10933	MORF4L1	no errors	hORFeome V8.1 Collection	10933	MORF4L1	NM_006791.2	Full Length 100% match
ccsbBroadEn_02567	ccsbBroad304_02567		BC007103,BC020937	10944	C11orf58	no errors	hORFeome V8.1 Collection	10944	C11orf58	NM_014267.5	Full Length 100% match
ccsbBroadEn_02568	ccsbBroad304_02568		BC018778	10945	KDELRL1	no errors	hORFeome V8.1 Collection	10945	KDELRL1	NM_006801.2	Full Length 100% match
ccsbBroadEn_02569	ccsbBroad304_02569		BC011957	10950	BTG3	no errors	hORFeome V8.1 Collection	10950	BTG3	NM_001130914.1	Full Length 100% match
ccsbBroadEn_02570	ccsbBroad304_02570	454	BC001734	10952	SEC61B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	10952	SEC61B	NM_006808.2	Full Length 100% match
ccsbBroadEn_02571	ccsbBroad304_02571		BC001763,BC014907	10953	TOMM34	no errors	hORFeome V8.1 Collection	10953	TOMM34	NM_006809.4	Full Length 100% match
ccsbBroadEn_02572	ccsbBroad304_02572		BC006088	10955	SERINC3	no errors	hORFeome V8.1 Collection	10955	SERINC3	NM_006811.2; NM_198941.1	Full Length 100% match
ccsbBroadEn_02573	ccsbBroad304_02573		BC000532,BC023513	10956	OS9	no errors	hORFeome V8.1 Collection	10956	OS9	NM_001017956.2	Full Length 100% match
ccsbBroadEn_02574	ccsbBroad304_02574		BC017263	10960	LMAN2	no errors	hORFeome V8.1 Collection	10960	LMAN2	NM_006816.2	Full Length 100% match
ccsbBroadEn_02575	ccsbBroad304_02575	454	BC101495	10961	ERP29	no errors	hORFeome V8.1 Collection	10961	ERP29	NM_006817.3	Full Length 100% match
ccsbBroadEn_02576	ccsbBroad304_02576		BC008445,BC021703	10962	MLLT11	no errors	hORFeome V8.1 Collection	10962	MLLT11	NM_006818.3	Full Length 100% match
ccsbBroadEn_02577	ccsbBroad304_02577		BC002987	10963	STIP1	no errors	hORFeome V8.1 Collection	10963	STIP1	NM_006819.2	Full Length 100% match
ccsbBroadEn_02578	ccsbBroad304_02578		BC009175	10969	EBNA1BP2	no errors	hORFeome V8.1 Collection	10969	EBNA1BP2	NM_006824.2	Full Length 100% match
ccsbBroadEn_02579	ccsbBroad304_02579		BC056867	10971	YWHAQ	no errors	hORFeome V8.1 Collection	10971	YWHAQ	NM_006826.2	Full Length 100% match
ccsbBroadEn_02580	ccsbBroad304_02580		BC001496	10972	TMED10	no errors	hORFeome V8.1 Collection	10972	TMED10	NM_006827.5	Full Length 100% match
ccsbBroadEn_02581	ccsbBroad304_02581		BC050681	10973	ASCC3	no errors	hORFeome V8.1 Collection	10973	ASCC3	NM_022091.3	Full Length 100% match
ccsbBroadEn_02582	ccsbBroad304_02582		BC000462	10975	UQCR11	no errors	hORFeome V8.1 Collection	10975	UQCR11	NM_006830.3	Full Length 100% match
ccsbBroadEn_02583	ccsbBroad304_02583		BC000446	10978	CLP1	no errors	hORFeome V8.1 Collection	10978	CLP1	NM_006831.2	Full Length 100% match
ccsbBroadEn_02584	ccsbBroad304_02584	454	BC000446	10978	CLP1	no errors	hORFeome V8.1 Collection	10978	CLP1	NM_006831.2	Full Length 100% match
ccsbBroadEn_02585	ccsbBroad304_02585		BC002520	10980	COPS6	no errors	hORFeome V8.1 Collection	10980	COPS6	NM_006833.4	Full Length 100% match
ccsbBroadEn_02586	ccsbBroad304_02586		BC015061	10981	RAB32	no errors	hORFeome V8.1 Collection	10981	RAB32	NM_006834.3	Full Length 100% match
ccsbBroadEn_02587	ccsbBroad304_02587		BC007318	10982	MAPRE2	no errors	hORFeome V8.1 Collection	10982	MAPRE2	NM_014268.2	Full Length 100% match
ccsbBroadEn_02588	ccsbBroad304_02588		BC000420,BC004975	10983	CCNI	no errors	hORFeome V8.1 Collection	10983	CCNI	NM_006835.2	Full Length 100% match
ccsbBroadEn_02589	ccsbBroad304_02589		BC001187,BC007272	10987	COPS5	no errors	hORFeome V8.1 Collection	10987	COPS5	NM_006837.2	Full Length 100% match
ccsbBroadEn_02590	ccsbBroad304_02590		BC003041	11000	SLC27A3	no errors	hORFeome V8.1 Collection	11000	SLC27A3	NM_024330.1	Full Length 100% match
ccsbBroadEn_02591	ccsbBroad304_02591		BC057770	11001	SLC27A2	no errors	hORFeome V8.1 Collection	11001	SLC27A2	NM_001159629.1	Full Length 100% match
ccsbBroadEn_02592	ccsbBroad304_02592		BC014924	11004	KIF2C	no errors	hORFeome V8.1 Collection	11004	KIF2C	NM_006845.3	Full Length 100% match
ccsbBroadEn_02593	ccsbBroad304_02593		BC012510	11010	GLIPR1	no errors	hORFeome V8.1 Collection	11010	GLIPR1	NM_006851.2	Full Length 100% match
ccsbBroadEn_02594	ccsbBroad304_02594		BC022068	11012	KLK11	no errors	hORFeome V8.1 Collection	11012	KLK11	NM_006853.2; NM_001136032.2	Full Length 100% match
ccsbBroadEn_02595	ccsbBroad304_02595		BC071982	11014	KDELRL2	no errors	hORFeome V8.1 Collection	11014	KDELRL2	NM_001100603.1	Full Length 100% match
ccsbBroadEn_02596	ccsbBroad304_02596		BC001277	11015	KDELRL3	no errors	hORFeome V8.1 Collection	11015	KDELRL3	NM_006855.2	Full Length 100% match
ccsbBroadEn_02597	ccsbBroad304_02597		BC017890	11017	SNRNP27	no errors	hORFeome V8.1 Collection	11017	SNRNP27	NM_006857.1	Full Length 100% match
ccsbBroadEn_02598	ccsbBroad304_02598		BC000566	11020	IFT27	no errors	hORFeome V8.1 Collection	11020	IFT27	NM_001177701.1	Full Length 100% match
ccsbBroadEn_02599	ccsbBroad304_02599	454	BC093708	11024	LILRA1	no errors	hORFeome V8.1 Collection	11024	LILRA1	NM_006863.1	Full Length 100% match
ccsbBroadEn_02600	ccsbBroad304_02600		BC003608	11030	RBPMS	no errors	hORFeome V8.1 Collection	11030	RBPMS	NM_001008712.1	Full Length 100% match
ccsbBroadEn_02601	ccsbBroad304_02601		BC001148	11031	RAB31	no errors	hORFeome V8.1 Collection	11031	RAB31	NM_006868.3	Full Length 100% match
ccsbBroadEn_02602	ccsbBroad304_02602		BC009477	11034	DSTN	no errors	hORFeome V8.1 Collection	11034	DSTN	NM_006870.3	Full Length 100% match
ccsbBroadEn_02603	ccsbBroad304_02603		BC025991	11036	GTF2A1L	no errors	hORFeome V8.1 Collection	11036	GTF2A1L	NM_006872.3	Full Length 100% match
ccsbBroadEn_02604	ccsbBroad304_02604		BC021965	11041	B3GNT1	no errors	hORFeome V8.1 Collection	11041	B3GNT1	NM_006876.2	Full Length 100% match
ccsbBroadEn_02605	ccsbBroad304_02605		BC117137,BC126106	11044	PAPD7	no errors	hORFeome V8.1 Collection	11044	PAPD7	NM_006999.4	Full Length 100% match
ccsbBroadEn_02606	ccsbBroad304_02606		BC113579	11046	SLC35D2	no errors	hORFeome V8.1 Collection	11046	SLC35D2	NM_007001.2	Full Length 100% match
ccsbBroadEn_02607	ccsbBroad304_02607		BC036065	11059	WWP1	no errors	hORFeome V8.1 Collection	11059	WWP1	NM_007013.3	Full Length 100% match
ccsbBroadEn_02608	ccsbBroad304_02608		BC000108	11060	WWP2	no errors	hORFeome V8.1 Collection	11060	WWP2	NM_199423.1	Full Length 100% match
ccsbBroadEn_02609	ccsbBroad304_02609		BC009622	11066	SNRNP35	no errors	hORFeome V8.1 Collection	11066	SNRNP35	NM_180699.2	Full Length 100% match
ccsbBroadEn_02610	ccsbBroad304_02610		BC047691	11068	CYB561D2	no errors	hORFeome V8.1 Collection	11068	CYB561D2	NM_007022.3	Full Length 100% match
ccsbBroadEn_02611	ccsbBroad304_02611		BC011948,BC017367	11070	TMEM115	no errors	hORFeome V8.1 Collection	11070	TMEM115	NM_007024.4	Full Length 100% match
ccsbBroadEn_02612	ccsbBroad304_02612		BC000370,BC001894	11072	DUSP14	no errors	hORFeome V8.1 Collection	11072	DUSP14	NM_007026.2	Full Length 100% match
ccsbBroadEn_02613	ccsbBroad304_02613		BC006302	11075	STMN2	no errors	hORFeome V8.1 Collection	11075	STMN2	NM_007029.3	Full Length 100% match
ccsbBroadEn_02614	ccsbBroad304_02614		BC131506	11076	TPPP	no errors	hORFeome V8.1 Collection	11076	TPPP	NM_007030.2	Full Length 100% match
ccsbBroadEn_02615	ccsbBroad304_02615		BC004965	11079	RER1	no errors	hORFeome V8.1 Collection	11079	RER1	NM_007033.4	Full Length 100% match
ccsbBroadEn_02616	ccsbBroad304_02616		BC034721	11080	DNAJB4	no errors	hORFeome V8.1 Collection	11080	DNAJB4	NM_007034.3	Full Length 100% match
ccsbBroadEn_02617	ccsbBroad304_02617		BC011989	11082	ESM1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11082	ESM1	NM_007036.4	Full Length 100% match
ccsbBroadEn_02618	ccsbBroad304_02618		BC004237,BC014489	11083	DIDO1	no errors	hORFeome V8.1 Collection	11083	DIDO1	NM_080796.3; NM_022105.4	Full Length 100% match
ccsbBroadEn_02619	ccsbBroad304_02619		BC001278	11098	PRSS23	no errors	hORFeome V8.1 Collection	11098	PRSS23	NM_007173.4	Full Length 100% match



ccsbBroadEn_02620	ccsbBroad304_02620		BC012017	11102	RPP14	no errors	hORFeome V8.1 Collection	11102	RPP14	NM_007042.3;	Full Length 100% match
ccsbBroadEn_02621	ccsbBroad304_02621		BC107033	11105	PRDM7	no errors	hORFeome V8.1 Collection	11105	PRDM7	NM_001098783.2	Full Length 100% match
ccsbBroadEn_02622	ccsbBroad304_02622		BC035581	11108	PRDM4	no errors	hORFeome V8.1 Collection	11108	PRDM4	NM_052996.2	Full Length 100% match
ccsbBroadEn_02623	ccsbBroad304_02623		BC016661	11120	BTN2A1	no errors	hORFeome V8.1 Collection	11120	BTN2A1	NM_012406.3	Full Length 100% match
ccsbBroadEn_02624	ccsbBroad304_02624		BC014465	11126	CD160	no errors	hORFeome V8.1 Collection	11126	CD160	NM_078476.2	Full Length 100% match
ccsbBroadEn_02625	ccsbBroad304_02625		BC017962	11136	SLC7A9	no errors	hORFeome V8.1 Collection	11136	SLC7A9	NM_007053.2	Full Length 100% match
ccsbBroadEn_02626	ccsbBroad304_02626		BC104257	11142	PKIG	no errors	hORFeome V8.1 Collection	11142	PKIG	NM_014270.4;	Full Length 100% match
ccsbBroadEn_02627	ccsbBroad304_02627		BC125163	11144	DMC1	no errors	hORFeome V8.1 Collection	11144	DMC1	NM_001126335.1	Full Length 100% match
ccsbBroadEn_02628	ccsbBroad304_02628		BC001387	11145	PLA2G16	no errors	hORFeome V8.1 Collection	11145	PLA2G16	NM_007066.3;	Full Length 100% match
ccsbBroadEn_02629	ccsbBroad304_02629	454	BC001257	11146	GLMN	no errors	hORFeome V8.1 Collection	11146	GLMN	NM_181804.1;	Full Length 100% match
ccsbBroadEn_02630	ccsbBroad304_02630		BC034425	11149	BVES	no errors	hORFeome V8.1 Collection	11149	BVES	NM_007068.2	Full Length 100% match
ccsbBroadEn_02631	ccsbBroad304_02631		BC000464	11152	WDR45	no errors	hORFeome V8.1 Collection	11152	WDR45	NM_007069.3;	Full Length 100% match
ccsbBroadEn_02632	ccsbBroad304_02632		BC003105	11156	PTPA43	no errors	hORFeome V8.1 Collection	11156	PTPA43	NM_001128203.1	Full Length 100% match
ccsbBroadEn_02633	ccsbBroad304_02633		BC016026	11157	LSM6	no errors	hORFeome V8.1 Collection	11157	LSM6	NM_053274.2	Full Length 100% match
ccsbBroadEn_02634	ccsbBroad304_02634		BC014879,BC024281	11158	RABL2B	no errors	hORFeome V8.1 Collection	11158	RABL2B	NM_147147.3;	Full Length 100% match
ccsbBroadEn_02635	ccsbBroad304_02635		BC048308	11160	ERLIN2	no errors	hORFeome V8.1 Collection	11160	ERLIN2	NM_007073.4;	Full Length 100% match
ccsbBroadEn_02636	ccsbBroad304_02636		BC002444	11161	C14orf1	no errors	hORFeome V8.1 Collection	11161	C14orf1	NM_001199563.1	Full Length 100% match
ccsbBroadEn_02637	ccsbBroad304_02637	454	BC000025	11164	NUDT5	no errors	hORFeome V8.1 Collection	11164	NUDT5	NM_001029896.1	Full Length 100% match
ccsbBroadEn_02638	ccsbBroad304_02638		BC007727	11165	NUDT3	no errors	hORFeome V8.1 Collection	11165	NUDT3	NM_007079.2	Full Length 100% match
ccsbBroadEn_02639	ccsbBroad304_02639		BC000055	11167	FSTL1	no errors	hORFeome V8.1 Collection	11167	FSTL1	NM_007080.2	Full Length 100% match
ccsbBroadEn_02640	ccsbBroad304_02640		BC010561	11170	FAM107A	no errors	hORFeome V8.1 Collection	11170	FAM107A	NM_001003789.1;	Full Length 100% match
ccsbBroadEn_02641	ccsbBroad304_02641		BC000162,BC062306	11171	STRAP	no errors	hORFeome V8.1 Collection	11171	STRAP	NM_001130919.1;	Full Length 100% match
ccsbBroadEn_02642	ccsbBroad304_02642		BC126473,CCSB53340	11172	INSL6	no errors	hORFeome V8.1 Collection	11172	INSL6	NM_001130920.1;	Full Length 100% match
ccsbBroadEn_02643	ccsbBroad304_02643		BC110412	11186	RASSF1	no errors	hORFeome V8.1 Collection	11186	RASSF1	NM_001130921.1	Full Length 100% match
ccsbBroadEn_02644	ccsbBroad304_02644	454	BC104879	11193	WBP4	no errors	hORFeome V8.1 Collection	11193	WBP4	NM_001003790.2;	Full Length 100% match
ccsbBroadEn_02645	ccsbBroad304_02645		CCSB53372	11194	ABCB8	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11194	ABCB8	NM_001003791.2	Full Length 100% match
ccsbBroadEn_02646	ccsbBroad304_02646		BC007320	11199	ANXA10	no errors	hORFeome V8.1 Collection	11199	ANXA10	NM_007176.3	Full Length 100% match
ccsbBroadEn_02647	ccsbBroad304_02647	454	BC074997	11211	FZD10	no errors	hORFeome V8.1 Collection	11211	FZD10	NM_007177.2	Full Length 100% match
ccsbBroadEn_02648	ccsbBroad304_02648		BC031405	11221	DUSP10	no errors	hORFeome V8.1 Collection	11221	DUSP10	NM_007178.3	Full Length 100% match
ccsbBroadEn_02649	ccsbBroad304_02649		BC003375	11222	MRPL3	no errors	hORFeome V8.1 Collection	11222	MRPL3	NM_007179.2	Full Length 100% match
ccsbBroadEn_02650	ccsbBroad304_02650		BC000348	11224	RPL35	no errors	hORFeome V8.1 Collection	11224	RPL35	NM_170712.2	Full Length 100% match
ccsbBroadEn_02651	ccsbBroad304_02651		BC030021	11228	RASSF8	no errors	hORFeome V8.1 Collection	11228	RASSF8	NM_007187.3	Full Length 100% match
ccsbBroadEn_02652	ccsbBroad304_02652		BC021213	11230	PRAF2	no errors	hORFeome V8.1 Collection	11230	PRAF2	NM_007188.3	Full Length 100% match
ccsbBroadEn_02653	ccsbBroad304_02653	454	BC021213	11230	PRAF2	no errors	hORFeome V8.1 Collection	11230	PRAF2	NM_007193.3	Full Length 100% match
ccsbBroadEn_02654	ccsbBroad304_02654		BC002506,BC016353	11235	PDCD10	no errors	hORFeome V8.1 Collection	11235	PDCD10	NM_007197.3	Full Length 100% match
ccsbBroadEn_02655	ccsbBroad304_02655		BC000213,BC039584	11237	RNF24	no errors	hORFeome V8.1 Collection	11237	RNF24	NM_007207.3	Full Length 100% match
ccsbBroadEn_02656	ccsbBroad304_02656		BC028142	11238	CA5B	no errors	hORFeome V8.1 Collection	11238	CA5B	NM_007219.3;	Full Length 100% match
ccsbBroadEn_02657	ccsbBroad304_02657		BC066880	11250	GPR45	no errors	hORFeome V8.1 Collection	11250	GPR45	NM_001134337.1	Full Length 100% match
ccsbBroadEn_02658	ccsbBroad304_02658		BC008037	11252	PACSIN2	no errors	hORFeome V8.1 Collection	11252	PACSIN2	NM_007220.3	Full Length 100% match
ccsbBroadEn_02659	ccsbBroad304_02659	454	BC093710	11254	SLC6A14	no errors	hORFeome V8.1 Collection	11254	SLC6A14	NM_007229.3;	Full Length 100% match
ccsbBroadEn_02660	ccsbBroad304_02660		BC000319	11258	DCTN3	no errors	hORFeome V8.1 Collection	11258	DCTN3	NM_001184970.1	Full Length 100% match
ccsbBroadEn_02661	ccsbBroad304_02661		BC027860	11259	FILIP1L	no errors	hORFeome V8.1 Collection	11259	FILIP1L	NM_007231.3	Full Length 100% match
ccsbBroadEn_02662	ccsbBroad304_02662		BC006286	11266	DUSP12	no errors	hORFeome V8.1 Collection	11266	DUSP12	NM_024348.2	Full Length 100% match
ccsbBroadEn_02663	ccsbBroad304_02663		BC003626	11269	DDX19B	no errors	hORFeome V8.1 Collection	11269	DDX19B	NM_014890.2	Full Length 100% match
ccsbBroadEn_02664	ccsbBroad304_02664		BC010008	11269	DDX19B	no errors	hORFeome V8.1 Collection	11269	DDX19B	NM_007240.1	Full Length 100% match
ccsbBroadEn_02665	ccsbBroad304_02665		BC039865	11270	NRM	no errors	hORFeome V8.1 Collection	11270	NRM	NM_007242.4	Full Length 100% match
ccsbBroadEn_02666	ccsbBroad304_02666		BC014896	11274	USP18	no errors	hORFeome V8.1 Collection	11274	USP18	NM_001014449.1	Full Length 100% match
ccsbBroadEn_02667	ccsbBroad304_02667		BC023630	11277	TREX1	no errors	hORFeome V8.1 Collection	11277	TREX1	NM_007243.1	Full Length 100% match
ccsbBroadEn_02668	ccsbBroad304_02668		BC033822	11284	PNKP	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	11284	PNKP	NM_017414.3	Full Length 100% match
ccsbBroadEn_02669	ccsbBroad304_02669		BC012932,BC028382	11311	VPS45	no errors	hORFeome V8.1 Collection	11311	VPS45	NM_016381.3	Full Length 100% match
ccsbBroadEn_02670	ccsbBroad304_02670		BC034761	11318	GPR182	no errors	hORFeome V8.1 Collection	11318	GPR182	NM_007254.3	Full Length 100% match
ccsbBroadEn_02671	ccsbBroad304_02671		BC000721	11319	ECD	no errors	hORFeome V8.1 Collection	11319	ECD	NM_007259.3	Full Length 100% match
ccsbBroadEn_02672	ccsbBroad304_02672		BC010525	11326	VSIG4	no errors	hORFeome V8.1 Collection	11326	VSIG4	NM_007264.3	Full Length 100% match
ccsbBroadEn_02673	ccsbBroad304_02673	454	BC112053	11328	FKBP9	no errors	hORFeome V8.1 Collection	11328	FKBP9	NM_007265.2	Full Length 100% match
ccsbBroadEn_02674	ccsbBroad304_02674		BC012085	11329	STK38	no errors	hORFeome V8.1 Collection	11329	STK38	NM_007268.2	Full Length 100% match
ccsbBroadEn_02675	ccsbBroad304_02675		BC015118	11330	CTRC	no errors	hORFeome V8.1 Collection	11330	CTRC	NM_007270.3	Full Length 100% match
ccsbBroadEn_02676	ccsbBroad304_02676		BC014766	11331	PHB2	no errors	hORFeome V8.1 Collection	11331	PHB2	NM_007271.2	Full Length 100% match
ccsbBroadEn_02677	ccsbBroad304_02677		BC000684,BC007873	11333	PDAP1	no errors	hORFeome V8.1 Collection	11333	PDAP1	NM_007272.3	Full Length 100% match
ccsbBroadEn_02678	ccsbBroad304_02678		BC023976	11334	TUSC2	no errors	hORFeome V8.1 Collection	11334	TUSC2	NM_001144831.1	Full Length 100% match
ccsbBroadEn_02679	ccsbBroad304_02679		BC106749	11337	GABARAP	no errors	hORFeome V8.1 Collection	11337	GABARAP	NM_014891.5	Full Length 100% match
ccsbBroadEn_02680	ccsbBroad304_02680		BC015050	11339	OIP5	no errors	hORFeome V8.1 Collection	11339	OIP5	NM_007275.1	Full Length 100% match
ccsbBroadEn_02681	ccsbBroad304_02681		BC000551,BC006230	11343	MGLL	no errors	hORFeome V8.1 Collection	11343	MGLL	NM_007278.1	Full Length 100% match
ccsbBroadEn_02682	ccsbBroad304_02682		BC005985,BC014594	11345	GABARAPL2	no errors	hORFeome V8.1 Collection	11345	GABARAPL2	NM_007280.1	Full Length 100% match
ccsbBroadEn_02683	ccsbBroad304_02683		BC014960	22796	COG2	no errors	hORFeome V8.1 Collection	22796	COG2	NM_007283.5	Full Length 100% match
ccsbBroadEn_02684	ccsbBroad304_02684		BC032707	22806	IKZF3	no errors	hORFeome V8.1 Collection	22806	IKZF3	NM_007285.6	Full Length 100% match
ccsbBroadEn_02685	ccsbBroad304_02685		BC028936	22807	IKZF2	no errors	hORFeome V8.1 Collection	22807	IKZF2	NM_007357.2	Full Length 100% match
ccsbBroadEn_02686	ccsbBroad304_02686		BC002849	22818	COP21	no errors	hORFeome V8.1 Collection	22818	COP21	NM_012481.3	Full Length 100% match
ccsbBroadEn_02687	ccsbBroad304_02687	454	BC066650	22820	COPG	no errors	hORFeome V8.1 Collection	22820	COPG	NM_001079526.1	Full Length 100% match
ccsbBroadEn_02688	ccsbBroad304_02688		BC010013	22823	MTF2	no errors	hORFeome V8.1 Collection	22823	MTF2	NM_016057.1	Full Length 100% match
ccsbBroadEn_02689	ccsbBroad304_02689	454	BC040560	22824	HSPA4L	no errors	hORFeome V8.1 Collection	22824	HSPA4L	NM_016128.3	Full Length 100% match
ccsbBroadEn_02690	ccsbBroad304_02690		BC008875	22827	PUF60	no errors	hORFeome V8.1 Collection	22827	PUF60	NM_001164392.1	Full Length 100% match
ccsbBroadEn_02691	ccsbBroad304_02691		BC011265,BC011979	22827	PUF60	no errors	hORFeome V8.1 Collection	22827	PUF60	NM_014278.2	Full Length 100% match
ccsbBroadEn_02692	ccsbBroad304_02692		BC051896	22846	VASH1	no errors	hORFeome V8.1 Collection	22846	VASH1	NM_014281.3	Full Length 100% match
ccsbBroadEn_02693	ccsbBroad304_02693		BC030220	22854	NTNG1	no errors	hORFeome V8.1 Collection	22854	NTNG1	NM_001136033.1	Full Length 100% match
ccsbBroadEn_02694	ccsbBroad304_02694		BC109090	22863	ATG14	no errors	hORFeome V8.1 Collection	22863	ATG14	NM_014909.4	Full Length 100% match
ccsbBroadEn_02695	ccsbBroad304_02695		BC114621	22865	SLITRK3	no errors	hORFeome V8.1 Collection	22865	SLITRK3	NM_014917.2	Full Length 100% match



ccsbBroadEn_02696	ccsbBroad304_02696		BC001544	22868	FASTKD2	no errors	hORFeome V8.1 Collection	22868	FASTKD2	NM_014929.3; NM_001136193.1; NM_001136194.1	Full Length 100% match
ccsbBroadEn_02697	ccsbBroad304_02697		BC000515	22888	UBOX5	no errors	hORFeome V8.1 Collection	22888	UBOX5	NM_014948.2	Full Length 100% match
ccsbBroadEn_02698	ccsbBroad304_02698		BC050719	22890	ZBTB1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	22890	ZBTB1	NM_001123329.1	Full Length 100% match
ccsbBroadEn_02699	ccsbBroad304_02699		BC012375	22901	ARSG	no errors	hORFeome V8.1 Collection	22901	ARSG	NM_014960.3	Full Length 100% match
ccsbBroadEn_02700	ccsbBroad304_02700		BC028075	22918	CD93	no errors	hORFeome V8.1 Collection	22918	CD93	NM_012072.3	Full Length 100% match
ccsbBroadEn_02701	ccsbBroad304_02701		BC109281	22919	MAPRE1	no errors	hORFeome V8.1 Collection	22919	MAPRE1	NM_012325.2	Full Length 100% match
ccsbBroadEn_02702	ccsbBroad304_02702		BC117471,BC130380	22921	MSRB2	no errors	hORFeome V8.1 Collection	22921	MSRB2	NM_012228.3	Full Length 100% match
ccsbBroadEn_02703	ccsbBroad304_02703		BC011557	22924	MAPRE3	no errors	hORFeome V8.1 Collection	22924	MAPRE3	NM_012326.2	Full Length 100% match
ccsbBroadEn_02704	ccsbBroad304_02704		BC000941	22929	SEPHS1	no errors	hORFeome V8.1 Collection	22929	SEPHS1	NM_012247.4	Full Length 100% match
ccsbBroadEn_02705	ccsbBroad304_02705		BC003012,BC003547	22933	SIRT2	no errors	hORFeome V8.1 Collection	22933	SIRT2	NM_030593.2	Full Length 100% match
ccsbBroadEn_02706	ccsbBroad304_02706		BC001539	22943	DKK1	no errors	hORFeome V8.1 Collection	22943	DKK1	NM_012242.2	Full Length 100% match
ccsbBroadEn_02707	ccsbBroad304_02707	454	BC099739	22950	SLC4A1AP	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	22950	SLC4A1AP	NM_018158.2	Full Length 100% match
ccsbBroadEn_02708	ccsbBroad304_02708		BC003154	22954	TRIM32	no errors	hORFeome V8.1 Collection	22954	TRIM32	NM_012210.3; NM_001099679.1	Full Length 100% match
ccsbBroadEn_02709	ccsbBroad304_02709		BC009752	22955	SCMH1	no errors	hORFeome V8.1 Collection	22955	SCMH1	NM_001031694.2	Full Length 100% match
ccsbBroadEn_02710	ccsbBroad304_02710		BC021252	22955	SCMH1	no errors	hORFeome V8.1 Collection	22955	SCMH1	NM_001172221.1	Full Length 100% match
ccsbBroadEn_02711	ccsbBroad304_02711		BC004136,BC020207	22974	TPX2	no errors	hORFeome V8.1 Collection	22974	TPX2	NM_012112.4	Full Length 100% match
ccsbBroadEn_02712	ccsbBroad304_02712		BC000051	23017	FAIM2	no errors	hORFeome V8.1 Collection	23017	FAIM2	NM_012306.2	Full Length 100% match
ccsbBroadEn_02713	ccsbBroad304_02713	454	BC140850	23022	PALLD	no errors	hORFeome V8.1 Collection	23022	PALLD	NM_016081.3	Full Length 100% match
ccsbBroadEn_02714	ccsbBroad304_02714		BC016663	23032	USP33	no errors	hORFeome V8.1 Collection	23032	USP33	NM_201626.1	Full Length 100% match
ccsbBroadEn_02715	ccsbBroad304_02715		BC032523	23038	WDTX1	no errors	hORFeome V8.1 Collection	23038	WDTX1	NM_015023.3	Full Length 100% match
ccsbBroadEn_02716	ccsbBroad304_02716		BC020998	23057	NMNAT2	no errors	hORFeome V8.1 Collection	23057	NMNAT2	NM_170706.2	Full Length 100% match
ccsbBroadEn_02717	ccsbBroad304_02717		BC034589	23065	KIAA0090	no errors	hORFeome V8.1 Collection	23065	KIAA0090	NM_015047.1	Full Length 100% match
ccsbBroadEn_02718	ccsbBroad304_02718		BC005374	23071	ERP44	no errors	hORFeome V8.1 Collection	23071	ERP44	NM_015051.1	Full Length 100% match
ccsbBroadEn_02719	ccsbBroad304_02719		BC000616	23075	SWAP70	no errors	hORFeome V8.1 Collection	23075	SWAP70	NM_015055.2	Full Length 100% match
ccsbBroadEn_02720	ccsbBroad304_02720		BC050659	23089	PEG10	no errors	hORFeome V8.1 Collection	23089	PEG10	NM_001040152.1	Full Length 100% match
ccsbBroadEn_02721	ccsbBroad304_02721		BC064902	23107	MRPS27	no errors	hORFeome V8.1 Collection	23107	MRPS27	NM_015084.2	Full Length 100% match
ccsbBroadEn_02722	ccsbBroad304_02722		BC035672	23127	GLT25D2	no errors	hORFeome V8.1 Collection	23127	GLT25D2	NM_015101.2	Full Length 100% match
ccsbBroadEn_02723	ccsbBroad304_02723	454	BC053861	23133	PHF8	no errors	hORFeome V8.1 Collection	23133	PHF8	NM_015107.2	Full Length 100% match
ccsbBroadEn_02724	ccsbBroad304_02724		BC011922	23157	SEPT6	no errors	hORFeome V8.1 Collection	23157	SEPT6	NM_145802.3	Full Length 100% match
ccsbBroadEn_02725	ccsbBroad304_02725		BC036240	23157	SEPT6	no errors	hORFeome V8.1 Collection	23157	SEPT6	NM_015129.5	Full Length 100% match
ccsbBroadEn_02726	ccsbBroad304_02726	454	BC093786	23169	SLC35D1	no errors	hORFeome V8.1 Collection	23169	SLC35D1	NM_015139.2	Full Length 100% match
ccsbBroadEn_02727	ccsbBroad304_02727	454	BC001070	23170	TLL12	no errors	hORFeome V8.1 Collection	23170	TLL12	NM_015140.3	Full Length 100% match
ccsbBroadEn_02728	ccsbBroad304_02728	454	BC136591	23179	RGL1	no errors	hORFeome V8.1 Collection	23179	RGL1	NM_015149.3	Full Length 100% match
ccsbBroadEn_02729	ccsbBroad304_02729		BC100667	23180	RFTN1	no errors	hORFeome V8.1 Collection	23180	RFTN1	NM_015150.1	Full Length 100% match
ccsbBroadEn_02730	ccsbBroad304_02730		BC033718	23181	DIP2A	no errors	hORFeome V8.1 Collection	23181	DIP2A	NM_001146115.1	Full Length 100% match
ccsbBroadEn_02731	ccsbBroad304_02731		BC131630	23185	LARP4B	no errors	hORFeome V8.1 Collection	23185	LARP4B	NM_015155.1	Full Length 100% match
ccsbBroadEn_02732	ccsbBroad304_02732		BC035594	23190	UBXN4	no errors	hORFeome V8.1 Collection	23190	UBXN4	NM_014607.3	Full Length 100% match
ccsbBroadEn_02733	ccsbBroad304_02733	454	BC075061	23194	FBXL7	no errors	hORFeome V8.1 Collection	23194	FBXL7	NM_012304.3	Full Length 100% match
ccsbBroadEn_02734	ccsbBroad304_02734		BC111736	23196	FAM120A	no errors	hORFeome V8.1 Collection	23196	FAM120A	NM_014612.3	Full Length 100% match
ccsbBroadEn_02735	ccsbBroad304_02735		BC001069,BC006145	23197	FAF2	no errors	hORFeome V8.1 Collection	23197	FAF2	NM_014613.2	Full Length 100% match
ccsbBroadEn_02736	ccsbBroad304_02736		BC052341	23201	FAM168A	no errors	hORFeome V8.1 Collection	23201	FAM168A	NM_015159.1	Full Length 100% match
ccsbBroadEn_02737	ccsbBroad304_02737		BC066654	23210	JMJD6	no errors	hORFeome V8.1 Collection	23210	JMJD6	NM_015167.2	Full Length 100% match
ccsbBroadEn_02738	ccsbBroad304_02738		BC001811,BC013043	23212	RRS1	no errors	hORFeome V8.1 Collection	23212	RRS1	NM_015169.3	Full Length 100% match
ccsbBroadEn_02739	ccsbBroad304_02739		BC031576	23219	FBXO28	no errors	hORFeome V8.1 Collection	23219	FBXO28	NM_015176.2	Full Length 100% match
ccsbBroadEn_02740	ccsbBroad304_02740		BC117406	23229	ARHGEF9	no errors	hORFeome V8.1 Collection	23229	ARHGEF9	NM_015185.2	Full Length 100% match
ccsbBroadEn_02741	ccsbBroad304_02741		BC041361	23244	PDS5A	no errors	hORFeome V8.1 Collection	23244	PDS5A	NM_001100400.1	Full Length 100% match
ccsbBroadEn_02742	ccsbBroad304_02742		BC035501	23254	KAZ	no errors	hORFeome V8.1 Collection	23254	KAZ	NM_001017999.2; NM_001018001.2	Full Length 100% match
ccsbBroadEn_02743	ccsbBroad304_02743		BC024591	23262	PPIP5K2	no errors	hORFeome V8.1 Collection	23262	PPIP5K2	NM_015216.2	Full Length 100% match
ccsbBroadEn_02744	ccsbBroad304_02744		BC032481	23281	MTUS2	no errors	hORFeome V8.1 Collection	23281	MTUS2	NM_015233.5	Full Length 100% match
ccsbBroadEn_02745	ccsbBroad304_02745		BC060815	23287	AGTPBP1	no errors	hORFeome V8.1 Collection	23287	AGTPBP1	NM_015239.2	Full Length 100% match
ccsbBroadEn_02746	ccsbBroad304_02746		BC026213	23291	FBXW11	no errors	hORFeome V8.1 Collection	23291	FBXW11	NM_033644.2	Full Length 100% match
ccsbBroadEn_02747	ccsbBroad304_02747		BC050389	23295	MGRN1	no errors	hORFeome V8.1 Collection	23295	MGRN1	NM_015246.2	Full Length 100% match
ccsbBroadEn_02748	ccsbBroad304_02748	454	BC073970	23299	BICD2	no errors	hORFeome V8.1 Collection	23299	BICD2	NM_001003800.1	Full Length 100% match
ccsbBroadEn_02749	ccsbBroad304_02749		BC117436,BC126300	23306	TMEM194A	no errors	hORFeome V8.1 Collection	23306	TMEM194A	NM_015257.2	Full Length 100% match
ccsbBroadEn_02750	ccsbBroad304_02750		BC064637	23308	ICOSLG	no errors	hORFeome V8.1 Collection	23308	ICOSLG	NM_015259.4	Full Length 100% match
ccsbBroadEn_02751	ccsbBroad304_02751		BC098136	23314	SATB2	no errors	hORFeome V8.1 Collection	23314	SATB2	NM_001172509.1; NM_001172517.1;	Full Length 100% match
ccsbBroadEn_02752	ccsbBroad304_02752		BC011052	23321	TRIM2	no errors	hORFeome V8.1 Collection	23321	TRIM2	NM_001130067.1	Full Length 100% match
ccsbBroadEn_02753	ccsbBroad304_02753		BC068559	23339	VPS39	no errors	hORFeome V8.1 Collection	23339	VPS39	NM_015289.2	Full Length 100% match
ccsbBroadEn_02754	ccsbBroad304_02754		BC047363	23341	DNAJC16	no errors	hORFeome V8.1 Collection	23341	DNAJC16	NM_015291.2	Full Length 100% match
ccsbBroadEn_02755	ccsbBroad304_02755	454	BC136527	23368	PPP1R13B	no errors	hORFeome V8.1 Collection	23368	PPP1R13B	NM_015316.2	Full Length 100% match
ccsbBroadEn_02756	ccsbBroad304_02756		BC001071	23378	RRP8	no errors	hORFeome V8.1 Collection	23378	RRP8	NM_015324.2	Full Length 100% match
ccsbBroadEn_02757	ccsbBroad304_02757	454	BC024325	23382	AHCYL2	no errors	hORFeome V8.1 Collection	23382	AHCYL2	NM_015328.3	Full Length 100% match
ccsbBroadEn_02758	ccsbBroad304_02758		BC050324	23390	ZDHHC17	no errors	hORFeome V8.1 Collection	23390	ZDHHC17	NM_015336.2	Full Length 100% match
ccsbBroadEn_02759	ccsbBroad304_02759	454	BC150287	23405	DICER1	no errors	hORFeome V8.1 Collection	23405	DICER1	NM_030621.3; NM_177438.2	Full Length 100% match
ccsbBroadEn_02760	ccsbBroad304_02760		BC109319	23409	SIRT4	no errors	hORFeome V8.1 Collection	23409	SIRT4	NM_012240.2	Full Length 100% match
ccsbBroadEn_02761	ccsbBroad304_02761		BC001042	23410	SIRT3	no errors	hORFeome V8.1 Collection	23410	SIRT3	NM_012239.5	Full Length 100% match
ccsbBroadEn_02762	ccsbBroad304_02762	454	BC022898	23412	COMMD3	no errors	hORFeome V8.1 Collection	23412	COMMD3	NM_012071.3	Full Length 100% match
ccsbBroadEn_02763	ccsbBroad304_02763		BC009929	23421	ITGB3BP	no errors	hORFeome V8.1 Collection	23421	ITGB3BP	NM_014288.3	Full Length 100% match
ccsbBroadEn_02764	ccsbBroad304_02764		BC000027,BC022232	23423	TMED3	no errors	hORFeome V8.1 Collection	23423	TMED3	NM_007364.2	Full Length 100% match
ccsbBroadEn_02765	ccsbBroad304_02765		BC130466	23431	AP4E1	no errors	hORFeome V8.1 Collection	23431	AP4E1	NM_007347.3	Full Length 100% match
ccsbBroadEn_02766	ccsbBroad304_02766		BC028163	23432	GPR161	no errors	hORFeome V8.1 Collection	23432	GPR161	NM_153832.1	Full Length 100% match
ccsbBroadEn_02767	ccsbBroad304_02767		BC056154,BC101806	23433	RHOQ	no errors	hORFeome V8.1 Collection	23433	RHOQ	NM_012249.3	Full Length 100% match
ccsbBroadEn_02768	ccsbBroad304_02768		BC007680,BC014982	23438	HARS2	no errors	hORFeome V8.1 Collection	23438	HARS2	NM_012208.2	Full Length 100% match
ccsbBroadEn_02769	ccsbBroad304_02769		BC117227	23439	ATP1B4	no errors	hORFeome V8.1 Collection	23439	ATP1B4	NM_001142447.2	Full Length 100% match
ccsbBroadEn_02770	ccsbBroad304_02770		BC012368	23452	ANGPTL2	no errors	hORFeome V8.1 Collection	23452	ANGPTL2	NM_012098.2	Full Length 100% match
ccsbBroadEn_02771	ccsbBroad304_02771		BC001873	23462	HEY1	no errors	hORFeome V8.1 Collection	23462	HEY1	NM_012258.3	Full Length 100% match
ccsbBroadEn_02772	ccsbBroad304_02772	454	BC028168	23463	ICMT	no errors	hORFeome V8.1 Collection	23463	ICMT	NM_012405.3	Full Length 100% match
ccsbBroadEn_02773	ccsbBroad304_02773		BC000687,BC037738	23471	TRAM1	no errors	hORFeome V8.1 Collection	23471	TRAM1	NM_014294.5	Full Length 100% match
ccsbBroadEn_02774	ccsbBroad304_02774		BC008250	23474	ETHE1	no errors	hORFeome V8.1 Collection	23474	ETHE1	NM_014297.3	Full Length 100% match
ccsbBroadEn_02775	ccsbBroad304_02775		BC014508	23478	SEC11A	no errors	hORFeome V8.1 Collection	23478	SEC11A	NM_014300.2	Full Length 100% match
ccsbBroadEn_02776	ccsbBroad304_02776		BC009480	23480	SEC61G	no errors	hORFeome V8.1 Collection	23480	SEC61G	NM_001012456.1	Full Length 100% match
ccsbBroadEn_02777	ccsbBroad304_02777		BC032489	23481	PES1	no errors	hORFeome V8.1 Collection	23481	PES1	NM_014303.2	Full Length 100% match
ccsbBroadEn_02778	ccsbBroad304_02778		BC033675	23483	TGDS	no errors	hORFeome V8.1 Collection	23483	TGDS	NM_014305.2	Full Length 100% match
ccsbBroadEn_02779	ccsbBroad304_02779		BC000642	23484	LEPROTL1	no errors	hORFeome V8.1 Collection	23484	LEPROTL1	NM_015344.2	Full Length 100% match
ccsbBroadEn_02780	ccsbBroad304_02780	454	BC053670	23491	CES3	no errors	hORFeome V8.1 Collection	23491	CES3	NM_001185177.1	Full Length 100% match



ccsbBroadEn_02781	ccsbBroad304_02781	I	BC007707	23493	HEY2	no errors	hORFeome V8.1 Collection	23493	HEY2	NM_012259.2	Full Length 100% match
ccsbBroadEn_02782	ccsbBroad304_02782	454	BC130302	23506	KIAA0240	no errors	hORFeome V8.1 Collection	23506	KIAA0240	NM_015349.1	Full Length 100% match
ccsbBroadEn_02783	ccsbBroad304_02783	I	BC000582	23509	POFUT1	no errors	hORFeome V8.1 Collection	23509	POFUT1	NM_172236.1	Full Length 100% match
ccsbBroadEn_02784	ccsbBroad304_02784	454	BC015704	23512	SUZ12	no errors	hORFeome V8.1 Collection	23512	SUZ12	NM_015355.2	Full Length 100% match
ccsbBroadEn_02785	ccsbBroad304_02785	I	BC000514,BC065236	23521	RPL13A	no errors	hORFeome V8.1 Collection	23521	RPL13A	NM_012423.2	Full Length 100% match
ccsbBroadEn_02786	ccsbBroad304_02786	I	BC060820	23528	ZNF281	no errors	hORFeome V8.1 Collection	23528	ZNF281	NM_012482.3	Full Length 100% match
ccsbBroadEn_02787	ccsbBroad304_02787	I	BC026324	23531	MMD	no errors	hORFeome V8.1 Collection	23531	MMD	NM_012329.2	Full Length 100% match
ccsbBroadEn_02788	ccsbBroad304_02788	I	BC014074	23532	PRAME	no errors	hORFeome V8.1 Collection	23532	PRAME	NM_006115.3; NM_206953.1; NM_206954.1; NM_206955.1; NM_206956.1	Full Length 100% match
ccsbBroadEn_02789	ccsbBroad304_02789	I	BC002758	23536	ADAT1	no errors	hORFeome V8.1 Collection	23536	ADAT1	NM_012091.3	Full Length 100% match
ccsbBroadEn_02790	ccsbBroad304_02790	I	BC025281	23543	RBFOX2	no errors	hORFeome V8.1 Collection	23543	RBFOX2	NM_001031695.2	Full Length 100% match
ccsbBroadEn_02791	ccsbBroad304_02791	I	BC106891	23546	SYNGR4	no errors	hORFeome V8.1 Collection	23546	SYNGR4	NM_012451.3	Full Length 100% match
ccsbBroadEn_02792	ccsbBroad304_02792	I	BC015701	23548	TTC33	no errors	hORFeome V8.1 Collection	23548	TTC33	NM_012382.2	Full Length 100% match
ccsbBroadEn_02793	ccsbBroad304_02793	I	BC013419	23551	RASD2	no errors	hORFeome V8.1 Collection	23551	RASD2	NM_014310.3	Full Length 100% match
ccsbBroadEn_02794	ccsbBroad304_02794	I	BC010012,BC064482	23559	WBP1	no errors	hORFeome V8.1 Collection	23559	WBP1	NM_012477.2	Full Length 100% match
ccsbBroadEn_02795	ccsbBroad304_02795	I	BC012126	23562	CLDN14	no errors	hORFeome V8.1 Collection	23562	CLDN14	NM_012130.2; NM_144492.2; NM_001146078.1; NM_001146079.1;	Full Length 100% match
ccsbBroadEn_02796	ccsbBroad304_02796	454	BC147002	23563	CHST5	no errors	hORFeome V8.1 Collection	23563	CHST5	NM_024533.3	Full Length 100% match
ccsbBroadEn_02797	ccsbBroad304_02797	I	BC007775	23567	ZNF346	no errors	hORFeome V8.1 Collection	23567	ZNF346	NM_012279.2	Full Length 100% match
ccsbBroadEn_02798	ccsbBroad304_02798	I	BC003087	23568	ARL2BP	no errors	hORFeome V8.1 Collection	23568	ARL2BP	NM_012106.3	Full Length 100% match
ccsbBroadEn_02799	Failed LR reaction	454	BC033680	23576	DDAH1	no errors	hORFeome V8.1 Collection	23576	DDAH1	NM_012137.3	Full Length 100% match
ccsbBroadEn_02800	ccsbBroad304_02800	I	BC002774	23580	CDC42EP4	no errors	hORFeome V8.1 Collection	23580	CDC42EP4	NM_012121.4	Full Length 100% match
ccsbBroadEn_02801	ccsbBroad304_02801	I	BC069541	23581	CASP14	no errors	hORFeome V8.1 Collection	23581	CASP14	NM_012114.2	Full Length 100% match
ccsbBroadEn_02802	ccsbBroad304_02802	I	BC009689	23582	CCNDBP1	no errors	hORFeome V8.1 Collection	23582	CCNDBP1	NM_012142.3	Full Length 100% match
ccsbBroadEn_02803	ccsbBroad304_02803	I	BC007313	23584	VSIG2	no errors	hORFeome V8.1 Collection	23584	VSIG2	NM_014312.3	Full Length 100% match
ccsbBroadEn_02804	ccsbBroad304_02804	I	BC002335	23588	KLHDC2	no errors	hORFeome V8.1 Collection	23588	KLHDC2	NM_014315.2	Full Length 100% match
ccsbBroadEn_02805	ccsbBroad304_02805	I	BC063565	23594	ORC6	no errors	hORFeome V8.1 Collection	23594	ORC6	NM_014321.3	Full Length 100% match
ccsbBroadEn_02806	ccsbBroad304_02806	I	BC036773	23596	OPN3	no errors	hORFeome V8.1 Collection	23596	OPN3	NM_014322.2	Full Length 100% match
ccsbBroadEn_02807	ccsbBroad304_02807	454	BC093714	23601	CLEC5A	no errors	hORFeome V8.1 Collection	23601	CLEC5A	NM_013252.2	Full Length 100% match
ccsbBroadEn_02808	ccsbBroad304_02808	I	BC002342	23603	CORO1C	no errors	hORFeome V8.1 Collection	23603	CORO1C	NM_014325.2	Full Length 100% match
ccsbBroadEn_02809	ccsbBroad304_02809	I	BC114506	23604	DAPK2	no errors	hORFeome V8.1 Collection	23604	DAPK2	NM_014326.3	Full Length 100% match
ccsbBroadEn_02810	ccsbBroad304_02810	I	BC014390	23612	PHLDA3	no errors	hORFeome V8.1 Collection	23612	PHLDA3	NM_012396.3	Full Length 100% match
ccsbBroadEn_02811	ccsbBroad304_02811	I	BC001045,BC052277	23623	RUSC1	no errors	hORFeome V8.1 Collection	23623	RUSC1	NM_014328.3	Full Length 100% match
ccsbBroadEn_02812	ccsbBroad304_02812	454	BC033591	23626	SPO11	no errors	hORFeome V8.1 Collection	23626	SPO11	NM_198265.1	Full Length 100% match
ccsbBroadEn_02813	ccsbBroad304_02813	I	BC034412	23632	CA14	no errors	hORFeome V8.1 Collection	23632	CA14	NM_012113.1	Full Length 100% match
ccsbBroadEn_02814	ccsbBroad304_02814	I	BC020520	23633	KPNA6	no errors	hORFeome V8.1 Collection	23633	KPNA6	NM_012316.4	Full Length 100% match
ccsbBroadEn_02815	ccsbBroad304_02815	I	BC017020	23635	SSBP2	no errors	hORFeome V8.1 Collection	23635	SSBP2	NM_012446.2	Full Length 100% match
ccsbBroadEn_02816	ccsbBroad304_02816	454	BC047286	23639	LRRC6	no errors	hORFeome V8.1 Collection	23639	LRRC6	NM_012472.3	Full Length 100% match
ccsbBroadEn_02817	ccsbBroad304_02817	I	BC002373	23640	HSPBP1	no errors	hORFeome V8.1 Collection	23640	HSPBP1	NM_012267.4; NM_001130106.1	Full Length 100% match
ccsbBroadEn_02818	ccsbBroad304_02818	I	BC003104	23641	LDOC1	no errors	hORFeome V8.1 Collection	23641	LDOC1	NM_012317.2	Full Length 100% match
ccsbBroadEn_02819	ccsbBroad304_02819	I	BC020690	23643	LY96	no errors	hORFeome V8.1 Collection	23643	LY96	NM_015364.4	Full Length 100% match
ccsbBroadEn_02820	ccsbBroad304_02820	I	BC003067	23645	PPP1R15A	no errors	hORFeome V8.1 Collection	23645	PPP1R15A	NM_014330.3	Full Length 100% match
ccsbBroadEn_02821	ccsbBroad304_02821	I	BC036327	23646	PLD3	no errors	hORFeome V8.1 Collection	23646	PLD3	NM_012268.2; NM_001031696.2	Full Length 100% match
ccsbBroadEn_02822	ccsbBroad304_02822	I	BC000392	23647	ARFIP2	no errors	hORFeome V8.1 Collection	23647	ARFIP2	NM_012402.2	Full Length 100% match
ccsbBroadEn_02823	ccsbBroad304_02823	I	BC066365	23648	SSBP3	no errors	hORFeome V8.1 Collection	23648	SSBP3	NM_145716.2	Full Length 100% match
ccsbBroadEn_02824	ccsbBroad304_02824	I	BC003605	23648	SSBP3	no errors	hORFeome V8.1 Collection	23648	SSBP3	NM_018070.3	Full Length 100% match
ccsbBroadEn_02825	ccsbBroad304_02825	I	BC001347	23649	POLA2	no errors	hORFeome V8.1 Collection	23649	POLA2	NM_002689.2	Full Length 100% match
ccsbBroadEn_02826	ccsbBroad304_02826	I	BC012087	23657	SLC7A11	no errors	hORFeome V8.1 Collection	23657	SLC7A11	NM_014331.3	Full Length 100% match
ccsbBroadEn_02827	ccsbBroad304_02827	454	BC008973	23671	TMEFF2	no errors	hORFeome V8.1 Collection	23671	TMEFF2	NM_016192.2	Full Length 100% match
ccsbBroadEn_02828	ccsbBroad304_02828	I	BC046999	23673	STX12	no errors	hORFeome V8.1 Collection	23673	STX12	NM_177424.2	Full Length 100% match
ccsbBroadEn_02829	ccsbBroad304_02829	I	BC005948	23676	SMPX	no errors	hORFeome V8.1 Collection	23676	SMPX	NM_014332.1	Full Length 100% match
ccsbBroadEn_02830	ccsbBroad304_02830	I	BC057396	23677	SH3BP4	no errors	hORFeome V8.1 Collection	23677	SH3BP4	NM_014521.2	Full Length 100% match
ccsbBroadEn_02831	ccsbBroad304_02831	I	BC015326	23678	SGK3	no errors	hORFeome V8.1 Collection	23678	SGK3	NM_013257.3; NM_001033578.1	Full Length 100% match
ccsbBroadEn_02832	ccsbBroad304_02832	I	BC125103	23705	CADM1	no errors	hORFeome V8.1 Collection	23705	CADM1	NM_001098517.1	Full Length 100% match
ccsbBroadEn_02833	ccsbBroad304_02833	I	CCSB53292	23705	CADM1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	23705	CADM1	NM_014333.3	Full Length 100% match
ccsbBroadEn_02834	ccsbBroad304_02834	I	BC009309,BC028315	23710	GABARAPL1	no errors	hORFeome V8.1 Collection	23710	GABARAPL1	NM_031412.2	Full Length 100% match
ccsbBroadEn_02835	ccsbBroad304_02835	I	BC020543	23729	SHPK	no errors	hORFeome V8.1 Collection	23729	SHPK	NM_013276.2	Full Length 100% match
ccsbBroadEn_02836	ccsbBroad304_02836	I	BC007944	23741	EID1	no errors	hORFeome V8.1 Collection	23741	EID1	NM_014335.2	Full Length 100% match
ccsbBroadEn_02837	ccsbBroad304_02837	I	BC020665	23743	BHMT2	no errors	hORFeome V8.1 Collection	23743	BHMT2	NM_017614.4	Full Length 100% match
ccsbBroadEn_02838	ccsbBroad304_02838	I		23753	SDF2L1	no errors	hORFeome V8.1 Collection	23753	SDF2L1	NM_022044.2	Full Length 100% match
ccsbBroadEn_02839	ccsbBroad304_02839	I	BC018704	23760	PITPNB	no errors	hORFeome V8.1 Collection	23760	PITPNB	NM_012399.3	Full Length 100% match
ccsbBroadEn_02840	ccsbBroad304_02840	I	BC001482	23761	PISD	no errors	hORFeome V8.1 Collection	23761	PISD	NM_014338.3	Full Length 100% match
ccsbBroadEn_02841	ccsbBroad304_02841	454	BC015037	23764	MAFF	no errors	hORFeome V8.1 Collection	23764	MAFF	NM_001161572.1; NM_001161573.1; NM_012323.3	Full Length 100% match
ccsbBroadEn_02842	ccsbBroad304_02842	I	BC000875	23788	MTCH2	no errors	hORFeome V8.1 Collection	23788	MTCH2	NM_014342.3	Full Length 100% match
ccsbBroadEn_02843	ccsbBroad304_02843	I	BC023584	24140	FTSJ1	no errors	hORFeome V8.1 Collection	24140	FTSJ1	NM_012280.2	Full Length 100% match
ccsbBroadEn_02844	ccsbBroad304_02844	I	BC050727	24141	C20orf103	no errors	hORFeome V8.1 Collection	24141	C20orf103	NM_012261.2	Full Length 100% match
ccsbBroadEn_02845	ccsbBroad304_02845	454	BC001666	24148	PRPF6	no errors	hORFeome V8.1 Collection	24148	PRPF6	NM_012469.3	Full Length 100% match
ccsbBroadEn_02846	ccsbBroad304_02846	I	BC098165	24150	TP53TG3	no errors	hORFeome V8.1 Collection	24150; 729355;	TP53TG3; TP53TG3B;	NM_016212.2; NM_001099687.1;	Full Length 100% match
ccsbBroadEn_02847	ccsbBroad304_02847	I	BC104428	25763	CXorf27	no errors	hORFeome V8.1 Collection	653550	LOC653550	XM_001725812.3	Full Length 100% match
ccsbBroadEn_02848	ccsbBroad304_02848	I	BC019262	25764	C15orf63	no errors	hORFeome V8.1 Collection	25763	CXorf27	NM_012274.1	Full Length 100% match
ccsbBroadEn_02849	ccsbBroad304_02849	454	BC067364	25766	PRPF40B	no errors	hORFeome V8.1 Collection	25764	C15orf63	NM_016400.2	Full Length 100% match
ccsbBroadEn_02850	ccsbBroad304_02850	I	BC016139	25776	CBY1	no errors	hORFeome V8.1 Collection	25766	PRPF40B	NM_001031698.1	Full Length 100% match
ccsbBroadEn_02851	ccsbBroad304_02851	I	BC111717	25777	SUN2	no errors	hORFeome V8.1 Collection	25776	CBY1	NM_001002880.1; NM_015373.3	Full Length 100% match
ccsbBroadEn_02852	ccsbBroad304_02852	I	BC001965	25788	RAD54B	no errors	hORFeome V8.1 Collection	25777	SUN2	NM_015374.2	Full Length 100% match
ccsbBroadEn_02853	ccsbBroad304_02853	I	BC047756	25797	QPCT	no errors	hORFeome V8.1 Collection	25788	RAD54B	NM_012415.2	Full Length 100% match
ccsbBroadEn_02854	ccsbBroad304_02854	I	BC039498	25800	SLC39A6	no errors	hORFeome V8.1 Collection	25797	QPCT	NM_012413.3	Full Length 100% match
ccsbBroadEn_02855	ccsbBroad304_02855	I	BC021299	25803	SPDEF	no errors	hORFeome V8.1 Collection	25800	SLC39A6	NM_001099406.1	Full Length 100% match
ccsbBroadEn_02856	ccsbBroad304_02856	I	BC000387,BC023665	25804	LSM4	no errors	hORFeome V8.1 Collection	25803	SPDEF	NM_012391.1	Full Length 100% match
								25804	LSM4	NM_012321.3	Full Length 100% match



ccsbBroadEn_02857	ccsbBroad304_02857		BC019252	25805	BAMBI	no errors	hORFeome V8.1 Collection	25805	BAMBI	NM_012342.2	Full Length 100% match
ccsbBroadEn_02858	ccsbBroad304_02858		BC006336	25806	VAX2	no errors	hORFeome V8.1 Collection	25806	VAX2	NM_012476.2	Full Length 100% match
ccsbBroadEn_02859	ccsbBroad304_02859		BC002705	25807	RHBDD3	no errors	hORFeome V8.1 Collection	25807	RHBDD3	NM_012265.1	Full Length 100% match
ccsbBroadEn_02860	ccsbBroad304_02860		BC014968	25809	TTLL1	no errors	hORFeome V8.1 Collection	25809	TTLL1	NM_012263.4	Full Length 100% match
ccsbBroadEn_02861	ccsbBroad304_02861		BC008036	25818	KLK5	no errors	hORFeome V8.1 Collection	25818	KLK5	NM_001077491.1; NM_001077492.1; NM_012427.4	Full Length 100% match
ccsbBroadEn_02862	ccsbBroad304_02862		BC113494,BC113500	25819	CCRN4L	no errors	hORFeome V8.1 Collection	25819	CCRN4L	NM_012118.2	Full Length 100% match
ccsbBroadEn_02863	ccsbBroad304_02863	454	BC051877	25820	ARIH1	no errors	hORFeome V8.1 Collection	25820	ARIH1	NM_005744.3	Full Length 100% match
ccsbBroadEn_02864	ccsbBroad304_02864		BC113723,BC113725	25824	PRDX5	no errors	hORFeome V8.1 Collection	25824	PRDX5	NM_012094.3	Full Length 100% match
ccsbBroadEn_02865	ccsbBroad304_02865		BC031556	25827	FBXL2	no errors	hORFeome V8.1 Collection	25827	FBXL2	NM_012157.3	Full Length 100% match
ccsbBroadEn_02866	ccsbBroad304_02866		BC013726,BC050610	25828	TXN2	no errors	hORFeome V8.1 Collection	25828	TXN2	NM_012473.3 NM_012264.4;	Full Length 100% match
ccsbBroadEn_02867	ccsbBroad304_02867		BC015489	25829	TMEM184B	no errors	hORFeome V8.1 Collection	25829	TMEM184B	NM_001195071.1	Full Length 100% match
ccsbBroadEn_02868	ccsbBroad304_02868		BC004492,BC008180	25840	METTL7A	no errors	hORFeome V8.1 Collection	25840	METTL7A	NM_014033.3	Full Length 100% match
ccsbBroadEn_02869	ccsbBroad304_02869		BC010878	25842	ASF1A	no errors	hORFeome V8.1 Collection	25842	ASF1A	NM_014034.2	Full Length 100% match
ccsbBroadEn_02870	ccsbBroad304_02870		BC005398	25847	ANAPC13	no errors	hORFeome V8.1 Collection	25847	ANAPC13	NM_015391.3	Full Length 100% match
ccsbBroadEn_02871	ccsbBroad304_02871		BC032863	25850	ZNF345	no errors	hORFeome V8.1 Collection	25850	ZNF345	NM_003419.3 NM_014154.2;	Full Length 100% match
ccsbBroadEn_02872	ccsbBroad304_02872		BC013424	25852	ARMC8	no errors	hORFeome V8.1 Collection	25852	ARMC8	NM_213654.1	Full Length 100% match
ccsbBroadEn_02873	ccsbBroad304_02873		BC014176	25862	USP49	no errors	hORFeome V8.1 Collection	25862	USP49	NM_018561.3 NM_015414.3;	Full Length 100% match
ccsbBroadEn_02874	ccsbBroad304_02874		BC004971	25873	RPL36	no errors	hORFeome V8.1 Collection	25873	RPL36	NM_033643.2 NM_015415.2;	Full Length 100% match
ccsbBroadEn_02875	ccsbBroad304_02875		BC104157	25874	BRP44	no errors	hORFeome V8.1 Collection	25874	BRP44	NM_001143674.1	Full Length 100% match
ccsbBroadEn_02876	ccsbBroad304_02876		BC064943	25875	LETMD1	no errors	hORFeome V8.1 Collection	25875	LETMD1	NM_015416.3	Full Length 100% match
ccsbBroadEn_02877	ccsbBroad304_02877		BC015912	25880	TMEM186	no errors	hORFeome V8.1 Collection	25880	TMEM186	NM_015421.3	Full Length 100% match
ccsbBroadEn_02878	ccsbBroad304_02878		BC119692	25886	POC1A	no errors	hORFeome V8.1 Collection	25886	POC1A	NM_015426.4 NM_001006656.1;	Full Length 100% match
ccsbBroadEn_02879	ccsbBroad304_02879		BC018612	25888	ZNF473	no errors	hORFeome V8.1 Collection	25888	ZNF473	NM_015428.1	Full Length 100% match
ccsbBroadEn_02880	ccsbBroad304_02880	454	BC089434	25891	PAMR1	no errors	hORFeome V8.1 Collection	25891	PAMR1	NM_015430.2	Full Length 100% match
ccsbBroadEn_02881	ccsbBroad304_02881		BC067274	25903	OLFML2B	no errors	hORFeome V8.1 Collection	25903	OLFML2B	NM_015441.1	Full Length 100% match
ccsbBroadEn_02882	ccsbBroad304_02882		BC005156	25906	C11orf51	no errors	hORFeome V8.1 Collection	25906	C11orf51	NM_014042.2	Full Length 100% match
ccsbBroadEn_02883	ccsbBroad304_02883		BC000152	25912	C1orf43	no errors	hORFeome V8.1 Collection	25912	C1orf43	NM_001098616.1	Full Length 100% match
ccsbBroadEn_02884	ccsbBroad304_02884		BC002923	25913	POT1	no errors	hORFeome V8.1 Collection	25913	POT1	NM_015450.2	Full Length 100% match
ccsbBroadEn_02885	ccsbBroad304_02885	454	BC011535	25927	CNRIP1	no errors	hORFeome V8.1 Collection	25927	CNRIP1	NM_015463.2	Full Length 100% match
ccsbBroadEn_02886	ccsbBroad304_02886		BC008484	25928	SOSTDC1	no errors	hORFeome V8.1 Collection	25928	SOSTDC1	NM_015464.2	Full Length 100% match
ccsbBroadEn_02887	ccsbBroad304_02887		BC012444	25932	CLIC4	no errors	hORFeome V8.1 Collection	25932	CLIC4	NM_013943.2	Full Length 100% match
ccsbBroadEn_02888	ccsbBroad304_02888		BC005935	25934	NIPSNAP3A	no errors	hORFeome V8.1 Collection	25934	NIPSNAP3A	NM_015469.1 NM_001168280.1; NM_015472.4;	Full Length 100% match
ccsbBroadEn_02889	ccsbBroad304_02889		BC014052	25937	WWTR1	no errors	hORFeome V8.1 Collection	25937	WWTR1	NM_001168278.1	Full Length 100% match
ccsbBroadEn_02890	ccsbBroad304_02890		BC010862	25949	SYF2	no errors	hORFeome V8.1 Collection	25949	SYF2	NM_015484.4	Full Length 100% match
ccsbBroadEn_02891	ccsbBroad304_02891		BC002937	25953	PNKD	no errors	hORFeome V8.1 Collection	25953	PNKD	NM_022572.4	Full Length 100% match
ccsbBroadEn_02892	ccsbBroad304_02892		BC005335	25963	TMEM87A	no errors	hORFeome V8.1 Collection	25963	TMEM87A	NM_001110503.1	Full Length 100% match
ccsbBroadEn_02893	ccsbBroad304_02893		BC017019,BC025992	25972	UNC50	no errors	hORFeome V8.1 Collection	25972	UNC50	NM_014044.5	Full Length 100% match
ccsbBroadEn_02894	ccsbBroad304_02894		BC007956,BC011758	25973	PARS2	no errors	hORFeome V8.1 Collection	25973	PARS2	NM_152268.3	Full Length 100% match
ccsbBroadEn_02895	ccsbBroad304_02895		BC038587	25975	EGFL6	no errors	hORFeome V8.1 Collection	25975	EGFL6	NM_015507.3	Full Length 100% match
ccsbBroadEn_02896	ccsbBroad304_02896		BC004126,BC009679	25979	DHRS7B	no errors	hORFeome V8.1 Collection	25979	DHRS7B	NM_015510.3	Full Length 100% match
ccsbBroadEn_02897	ccsbBroad304_02897		BC001751,BC019311	25980	C20orf4	no errors	hORFeome V8.1 Collection	25980	C20orf4	NM_015511.3 NM_014056.3; NM_001099669.1	Full Length 100% match
ccsbBroadEn_02898	ccsbBroad304_02898		BC000601,BC009594	25994	HIGD1A	no errors	hORFeome V8.1 Collection	25994	HIGD1A	NM_015526.2; NM_001199570.1	Full Length 100% match
ccsbBroadEn_02899	ccsbBroad304_02899		BC013116	25999	CLIP3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	25999	CLIP3	NM_001199570.1	Full Length 100% match
ccsbBroadEn_02900	ccsbBroad304_02900		BC010139	26001	RNF167	no errors	hORFeome V8.1 Collection	26001	RNF167	NM_015528.1	Full Length 100% match
ccsbBroadEn_02901	ccsbBroad304_02901		BC007770	26003	GORASP2	no errors	hORFeome V8.1 Collection	26003	GORASP2	NM_015530.3	Full Length 100% match
ccsbBroadEn_02902	ccsbBroad304_02902		BC110498	26012	NELF	no errors	hORFeome V8.1 Collection	26012	NELF	NM_001130971.1	Full Length 100% match
ccsbBroadEn_02903	ccsbBroad304_02903	454	BC072412	26012	NELF	no errors	hORFeome V8.1 Collection	26012	NELF	NM_015537.4	Full Length 100% match
ccsbBroadEn_02904	ccsbBroad304_02904		BC000639,BC017286	26017	FAM32A	no errors	hORFeome V8.1 Collection	26017	FAM32A	NM_014077.2 NM_015544.2;	Full Length 100% match
ccsbBroadEn_02905	ccsbBroad304_02905		BC000526	26022	TMEM98	no errors	hORFeome V8.1 Collection	26022	TMEM98	NM_001033504.1	Full Length 100% match
ccsbBroadEn_02906	ccsbBroad304_02906	454	BC105015	26034	IPCEF1	no errors	hORFeome V8.1 Collection	26034	IPCEF1	NM_015553.2	Full Length 100% match
ccsbBroadEn_02907	ccsbBroad304_02907		BC062338	26040	SETBP1	no errors	hORFeome V8.1 Collection	26040	SETBP1	NM_001130110.1	Full Length 100% match
ccsbBroadEn_02908	ccsbBroad304_02908		BC126408,BC126410	26045	LRRTM2	no errors	hORFeome V8.1 Collection	26045	LRRTM2	NM_015564.2	Full Length 100% match
ccsbBroadEn_02909	ccsbBroad304_02909		BC001627	26061	HACL1	1 synonomous error	hORFeome V8.1 Collection	26061	HACL1	NM_012260.2	Full Length 100% match
ccsbBroadEn_02910	ccsbBroad304_02910		BC010740	26063	DEC2	1 synonomous error	hORFeome V8.1 Collection	26063	DEC2	NM_020664.3	Full Length 100% match
ccsbBroadEn_02911	ccsbBroad304_02911		BC069334	26085	KLK13	no errors	hORFeome V8.1 Collection	26085	KLK13	NM_015596.1	Full Length 100% match
ccsbBroadEn_02912	ccsbBroad304_02912		BC044629	26088	GGA1	no errors	hORFeome V8.1 Collection	26088	GGA1	NM_001001560.2	Full Length 100% match
ccsbBroadEn_02913	ccsbBroad304_02913		BC039600	26091	HERC4	no errors	hORFeome V8.1 Collection	26091	HERC4	NM_015601.3	Full Length 100% match
ccsbBroadEn_02914	ccsbBroad304_02914		BC002787,BC009743	26093	CCDC9	no errors	hORFeome V8.1 Collection	26093	CCDC9	NM_015603.2	Full Length 100% match
ccsbBroadEn_02915	ccsbBroad304_02915		BC023988,BC065538	26099	C1orf144	no errors	hORFeome V8.1 Collection	26099	C1orf144	NM_015609.3	Full Length 100% match
ccsbBroadEn_02916	ccsbBroad304_02916		BC117389	26121	PRPF31	no errors	hORFeome V8.1 Collection	26121	PRPF31	NM_015629.3	Full Length 100% match
ccsbBroadEn_02917	ccsbBroad304_02917		BC068449	26123	TCTN3	no errors	hORFeome V8.1 Collection	26123	TCTN3	NM_015631.5	Full Length 100% match
ccsbBroadEn_02918	ccsbBroad304_02918		BC032143	26127	FGFR10P2	no errors	hORFeome V8.1 Collection	26127	FGFR10P2	NM_001171888.1	Full Length 100% match
ccsbBroadEn_02919	ccsbBroad304_02919		BC012180	26128	KIAA1279	no errors	hORFeome V8.1 Collection	26128	KIAA1279	NM_015634.3	Full Length 100% match
ccsbBroadEn_02920	ccsbBroad304_02920		BC020555	26135	SERBP1	no errors	hORFeome V8.1 Collection	26135	SERBP1	NM_001018068.1	Full Length 100% match
ccsbBroadEn_02921	ccsbBroad304_02921		BC003049,BC026916	26135	SERBP1	no errors	hORFeome V8.1 Collection	26135	SERBP1	NM_001018067.1	Full Length 100% match
ccsbBroadEn_02922	ccsbBroad304_02922		BC001451	26136	TES	no errors	hORFeome V8.1 Collection	26136	TES	NM_015641.2	Full Length 100% match
ccsbBroadEn_02923	ccsbBroad304_02923		BC022374	26147	PHF19	no errors	hORFeome V8.1 Collection	26147	PHF19	NM_001009936.1	Full Length 100% match
ccsbBroadEn_02924	ccsbBroad304_02924		BC125076	26147	PHF19	no errors	hORFeome V8.1 Collection	26147	PHF19	NM_015651.1	Full Length 100% match
ccsbBroadEn_02925	ccsbBroad304_02925		BC024315	26148	C10orf12	no errors	hORFeome V8.1 Collection	26148	C10orf12	NM_015652.2	Full Length 100% match
ccsbBroadEn_02926	ccsbBroad304_02926		BC113699	26156	RSL1D1	no errors	hORFeome V8.1 Collection	26156	RSL1D1	NM_015659.2	Full Length 100% match
ccsbBroadEn_02927	ccsbBroad304_02927		BC013934,BC032345	26157	GIMAP2	no errors	hORFeome V8.1 Collection	26157	GIMAP2	NM_015660.2	Full Length 100% match
ccsbBroadEn_02928	Failed LR reaction		BC106733	26189	OR1A2	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	26189	OR1A2	NM_012352.1	Full Length 100% match
ccsbBroadEn_02929	ccsbBroad304_02929		BC018738	26190	FBXW2	no errors	hORFeome V8.1 Collection	26190	FBXW2	NM_012164.3	Full Length 100% match
ccsbBroadEn_02930	ccsbBroad304_02930		BC007905	26207	PITPNC1	no errors	hORFeome V8.1 Collection	26207	PITPNC1	NM_181671.1	Full Length 100% match
ccsbBroadEn_02931	ccsbBroad304_02931		BC109251	26212	OR2B6	no errors	hORFeome V8.1 Collection	26212	OR2B6	NM_012367.1	Full Length 100% match
ccsbBroadEn_02932	ccsbBroad304_02932		BC072448	26224	FBXL3	no errors	hORFeome V8.1 Collection	26224	FBXL3	NM_012158.2	Full Length 100% match
ccsbBroadEn_02933	ccsbBroad304_02933		BC014958	26228	STAP1	no errors	hORFeome V8.1 Collection	26228	STAP1	NM_012108.2	Full Length 100% match
ccsbBroadEn_02934	ccsbBroad304_02934		BC007906	26229	B3GAT3	no errors	hORFeome V8.1 Collection	26229	B3GAT3	NM_012200.2 NM_001004055.1;	Full Length 100% match
ccsbBroadEn_02935	ccsbBroad304_02935		BC018785	26231	LRRC29	no errors	hORFeome V8.1 Collection	26231	LRRC29	NM_012163.2	Full Length 100% match
ccsbBroadEn_02936	ccsbBroad304_02936	454	BC055010	26235	FBXL4	no errors	hORFeome V8.1 Collection	26235	FBXL4	NM_012160.3	Full Length 100% match



ccsbBroadEn_02937	ccsbBroad304_02937		BC001261	26240	FAM50B	no errors	hORFeome V8.1 Collection	26240	FAM50B	NM_012135.1	Full Length 100% match
ccsbBroadEn_02938	ccsbBroad304_02938	454	BC104792	26246	OR2L2	no errors	hORFeome V8.1 Collection	26246	OR2L2	NM_001004686.2	Full Length 100% match
ccsbBroadEn_02939	ccsbBroad304_02939		BC111086	26248	OR2K2	no errors	hORFeome V8.1 Collection	26248	OR2K2	NM_205859.1	Full Length 100% match
ccsbBroadEn_02940	ccsbBroad304_02940		BC000715	26253	CLEC4E	no errors	hORFeome V8.1 Collection	26253	CLEC4E	NM_014358.2	Full Length 100% match
ccsbBroadEn_02941	ccsbBroad304_02941		BC004819	26258	PLDN	no errors	hORFeome V8.1 Collection	26258	PLDN	NM_012388.2	Full Length 100% match
ccsbBroadEn_02942	ccsbBroad304_02942		BC020249	26260	FBXO25	no errors	hORFeome V8.1 Collection	26260	FBXO25	NM_012173.3	Full Length 100% match
ccsbBroadEn_02943	ccsbBroad304_02943		BC067293	26261	FBXO24	no errors	hORFeome V8.1 Collection	26261	FBXO24	NM_033506.2	Full Length 100% match
ccsbBroadEn_02944	ccsbBroad304_02944		BC067105	26262	TSPAN17	no errors	hORFeome V8.1 Collection	26262	TSPAN17	NM_130465.4	Full Length 100% match
ccsbBroadEn_02945	ccsbBroad304_02945		BC000650	26268	FBXO9	no errors	hORFeome V8.1 Collection	26268	FBXO9	NM_033481.3	Full Length 100% match
ccsbBroadEn_02946	ccsbBroad304_02946		BC020880	26270	FBXO6	no errors	hORFeome V8.1 Collection	26270	FBXO6	NM_018438.5	Full Length 100% match
ccsbBroadEn_02947	ccsbBroad304_02947		BC048098	26272	FBXO4	no errors	hORFeome V8.1 Collection	26272	FBXO4	NM_012176.2	Full Length 100% match
ccsbBroadEn_02948	ccsbBroad304_02948		BC046110	26273	FBXO3	no errors	hORFeome V8.1 Collection	26273	FBXO3	NM_012175.3	Full Length 100% match
ccsbBroadEn_02949	Failed LR reaction		BC005030,BC019343	26277	TINF2	no errors	hORFeome V8.1 Collection	26277	TINF2	NM_001099274.1	Full Length 100% match
ccsbBroadEn_02950	ccsbBroad304_02950		BC025706	26279	PLA2G2D	no errors	hORFeome V8.1 Collection	26279	PLA2G2D	NM_012400.2	Full Length 100% match
ccsbBroadEn_02951	ccsbBroad304_02951	454	BC104786	26280	IL1RAPL2	no errors	hORFeome V8.1 Collection	26280	IL1RAPL2	NM_017416.1	Full Length 100% match
ccsbBroadEn_02952	ccsbBroad304_02952		BC019094	26284	ERAL1	no errors	hORFeome V8.1 Collection	26284	ERAL1	NM_005702.2	Full Length 100% match
ccsbBroadEn_02953	ccsbBroad304_02953	454	BC101503	26285	CLDN17	no errors	hORFeome V8.1 Collection	26285	CLDN17	NM_012131.2	Full Length 100% match
ccsbBroadEn_02954	ccsbBroad304_02954	454	BC140888	26290	GALNT8	no errors	hORFeome V8.1 Collection	26290	GALNT8	NM_017417.1	Full Length 100% match
ccsbBroadEn_02955	ccsbBroad304_02955		BC008686	26292	MYCBP	no errors	hORFeome V8.1 Collection	26292	MYCBP	NM_012333.4	Full Length 100% match
ccsbBroadEn_02956	ccsbBroad304_02956		BC038995	26298	EHF	no errors	hORFeome V8.1 Collection	26298	EHF	NM_012153.4	Full Length 100% match
ccsbBroadEn_02957	ccsbBroad304_02957		BC117357	26333	OR7A17	no errors	hORFeome V8.1 Collection	26333	OR7A17	NM_030901.1	Full Length 100% match
ccsbBroadEn_02958	ccsbBroad304_02958		BC002673	26353	HSPB8	no errors	hORFeome V8.1 Collection	26353	HSPB8	NM_014365.2	Full Length 100% match
ccsbBroadEn_02959	ccsbBroad304_02959		BC002434	26471	NUPR1	no errors	hORFeome V8.1 Collection	26471	NUPR1	NM_012385.2	Full Length 100% match
ccsbBroadEn_02960	ccsbBroad304_02960		BC130393,BC130419	26493	OR8B8	no errors	hORFeome V8.1 Collection	26493	OR8B8	NM_012378.1	Full Length 100% match
ccsbBroadEn_02961	ccsbBroad304_02961		BC006087	26508	HEYL	no errors	hORFeome V8.1 Collection	26508	HEYL	NM_014571.3	Full Length 100% match
ccsbBroadEn_02962	ccsbBroad304_02962		BC039829	26512	INTS6	no errors	hORFeome V8.1 Collection	26512	INTS6	NM_012141.2	Full Length 100% match
ccsbBroadEn_02963	ccsbBroad304_02963		BC032133	26519	TIMM10	no errors	hORFeome V8.1 Collection	26519	TIMM10	NM_012456.2	Full Length 100% match
ccsbBroadEn_02964	ccsbBroad304_02964		BC020213	26520	TIMM9	no errors	hORFeome V8.1 Collection	26520	TIMM9	NM_012460.2	Full Length 100% match
ccsbBroadEn_02965	ccsbBroad304_02965		BC024747	26525	IL1F5	no errors	hORFeome V8.1 Collection	26525	IL1F5	NM_173170.1	Full Length 100% match
ccsbBroadEn_02966	ccsbBroad304_02966		BC012062	26528	DAZAP1	no errors	hORFeome V8.1 Collection	26528	DAZAP1	NM_018959.2	Full Length 100% match
ccsbBroadEn_02967	ccsbBroad304_02967	454	BC137382	26534	OR10G2	no errors	hORFeome V8.1 Collection	26534	OR10G2	NM_001005466.1	Full Length 100% match
ccsbBroadEn_02968	ccsbBroad304_02968	454	BC136595	26689	OR4D1	no errors	hORFeome V8.1 Collection	26689	OR4D1	NM_012374.1	Full Length 100% match
ccsbBroadEn_02969	ccsbBroad304_02969	454	BC103870,BC103872	26692	OR2W1	no errors	hORFeome V8.1 Collection	26692	OR2W1	NM_030903.3	Full Length 100% match
ccsbBroadEn_02970	ccsbBroad304_02970		BC048991	26716	OR2H1	no errors	hORFeome V8.1 Collection	26716	OR2H1	NM_030883.3	Full Length 100% match
ccsbBroadEn_02971	ccsbBroad304_02971	454	BC136857	26735	OR1L3	no errors	hORFeome V8.1 Collection	26735	OR1L3	NM_001005234.1	Full Length 100% match
ccsbBroadEn_02972	ccsbBroad304_02972		BC018052	26749	GAGE2E	no errors	hORFeome V8.1 Collection	100101629; 729408	GAGE8; GAGE2D	NM_012196.1; NM_001098407.1	Full Length 100% match
ccsbBroadEn_02973	ccsbBroad304_02973		BC008374	26751	SH3YL1	no errors	hORFeome V8.1 Collection	26751	SH3YL1	NM_015677.2	Full Length 100% match
ccsbBroadEn_02974	ccsbBroad304_02974		BC013325	26762	HAVCR1	no errors	hORFeome V8.1 Collection	26762	HAVCR1	NM_012206.2; NM_001099414.1; NM_001173393.1	Full Length 100% match
ccsbBroadEn_02975	ccsbBroad304_02975	454	BC098406	26953	RANBP6	no errors	hORFeome V8.1 Collection	26953	RANBP6	NM_012416.2	Full Length 100% match
ccsbBroadEn_02976	ccsbBroad304_02976		BC072461	26973	CHORDC1	no errors	hORFeome V8.1 Collection	26973	CHORDC1	NM_012124.2	Full Length 100% match
ccsbBroadEn_02977	ccsbBroad304_02977		BC007122	26984	SEC22A	no errors	hORFeome V8.1 Collection	26984	SEC22A	NM_012430.4	Full Length 100% match
ccsbBroadEn_02978	ccsbBroad304_02978		BC026232,BC067127	26985	AP3M1	no errors	hORFeome V8.1 Collection	26985	AP3M1	NM_012095.4; NM_207012.2	Full Length 100% match
ccsbBroadEn_02979	ccsbBroad304_02979		BC020964,BC047654	26994	RNF11	no errors	hORFeome V8.1 Collection	26994	RNF11	NM_014372.4	Full Length 100% match
ccsbBroadEn_02980	ccsbBroad304_02980		BC001457	26995	TRUB2	no errors	hORFeome V8.1 Collection	26995	TRUB2	NM_015679.1	Full Length 100% match
ccsbBroadEn_02981	ccsbBroad304_02981	454	BC000181	26996	GPR160	no errors	hORFeome V8.1 Collection	26996	GPR160	NM_014373.2	Full Length 100% match
ccsbBroadEn_02982	ccsbBroad304_02982		BC003190	27018	NGFRAP1	no errors	hORFeome V8.1 Collection	27018	NGFRAP1	NM_014380.1; NM_206915.1	Full Length 100% match
ccsbBroadEn_02983	ccsbBroad304_02983		BC117462	27020	NPTN	no errors	hORFeome V8.1 Collection	27020	NPTN	NM_017455.3	Full Length 100% match
ccsbBroadEn_02984	ccsbBroad304_02984		BC011563	27040	LAT	no errors	hORFeome V8.1 Collection	27040	LAT	NM_001014989.1; NM_001014987.1	Full Length 100% match
ccsbBroadEn_02985	ccsbBroad304_02985		BC018667	27063	ANKRD1	no errors	hORFeome V8.1 Collection	27063	ANKRD1	NM_014391.2	Full Length 100% match
ccsbBroadEn_02986	ccsbBroad304_02986		BC001745	27065	D4S234E	no errors	hORFeome V8.1 Collection	27065	D4S234E	NM_014392.3; NM_001040101.1	Full Length 100% match
ccsbBroadEn_02987	ccsbBroad304_02987		BC057219	27068	PPA2	no errors	hORFeome V8.1 Collection	27068	PPA2	NM_006903.4	Full Length 100% match
ccsbBroadEn_02988	ccsbBroad304_02988		BC010354	27069	GHITM	no errors	hORFeome V8.1 Collection	27069	GHITM	NM_014394.2	Full Length 100% match
ccsbBroadEn_02989	ccsbBroad304_02989		BC044851	27072	VPS41	no errors	hORFeome V8.1 Collection	27072	VPS41	NM_014396.3	Full Length 100% match
ccsbBroadEn_02990	ccsbBroad304_02990		BC039167	27076	LYPD3	no errors	hORFeome V8.1 Collection	27076	LYPD3	NM_014400.2	Full Length 100% match
ccsbBroadEn_02991	ccsbBroad304_02991		BC005055	27086	FOXP1	no errors	hORFeome V8.1 Collection	27086	FOXP1	NM_001012505.1	Full Length 100% match
ccsbBroadEn_02992	ccsbBroad304_02992		BC001390	27089	UQCRCQ	no errors	hORFeome V8.1 Collection	27089	UQCRCQ	NM_014402.4	Full Length 100% match
ccsbBroadEn_02993	ccsbBroad304_02993	454	BC036705	27090	ST6GALNAC4	no errors	hORFeome V8.1 Collection	27090	ST6GALNAC4	NM_175039.3	Full Length 100% match
ccsbBroadEn_02994	ccsbBroad304_02994	454	BC101607	27091	CACNG5	no errors	hORFeome V8.1 Collection	27091	CACNG5	NM_145811.2	Full Length 100% match
ccsbBroadEn_02995	ccsbBroad304_02995		BC030581	27120	DKKL1	no errors	hORFeome V8.1 Collection	27120	DKKL1	NM_014419.3	Full Length 100% match
ccsbBroadEn_02996	ccsbBroad304_02996		BC107047	27121	DKK4	no errors	hORFeome V8.1 Collection	27121	DKK4	NM_014420.2	Full Length 100% match
ccsbBroadEn_02997	ccsbBroad304_02997		BC035970	27141	CIDEB	no errors	hORFeome V8.1 Collection	27141	CIDEB	NM_014430.2	Full Length 100% match
ccsbBroadEn_02998	ccsbBroad304_02998		BC130611	27152	INTU	no errors	hORFeome V8.1 Collection	27152	INTU	NM_015693.3	Full Length 100% match
ccsbBroadEn_02999	ccsbBroad304_02999		BC000007,BC013748	27166	PRELID1	no errors	hORFeome V8.1 Collection	27166	PRELID1	NM_013237.2	Full Length 100% match
ccsbBroadEn_03000	ccsbBroad304_03000		BC002563,BC014303	27173	SLC39A1	no errors	hORFeome V8.1 Collection	27173	SLC39A1	NM_014437.3	Full Length 100% match
ccsbBroadEn_03001	ccsbBroad304_03001		BC009670,BC051890	27175	TUBG2	no errors	hORFeome V8.1 Collection	27175	TUBG2	NM_016437.2	Full Length 100% match
ccsbBroadEn_03002	ccsbBroad304_03002		BC107043	27179	IL1F6	no errors	hORFeome V8.1 Collection	27179	IL1F6	NM_014440.1	Full Length 100% match
ccsbBroadEn_03003	ccsbBroad304_03003		BC047932	27183	VPS4A	no errors	hORFeome V8.1 Collection	27183	VPS4A	NM_013245.2	Full Length 100% match
ccsbBroadEn_03004	ccsbBroad304_03004		BC113925	27190	IL17B	no errors	hORFeome V8.1 Collection	27190	IL17B	NM_014443.2	Full Length 100% match
ccsbBroadEn_03005	ccsbBroad304_03005	454	BC066881	27198	GPR81	no errors	hORFeome V8.1 Collection	27198	GPR81	NM_032554.3	Full Length 100% match
ccsbBroadEn_03006	ccsbBroad304_03006		BC103881	27199	OXGR1	no errors	hORFeome V8.1 Collection	27199	OXGR1	NM_080818.3	Full Length 100% match
ccsbBroadEn_03007	ccsbBroad304_03007		BC112364	27230	SERP1	no errors	hORFeome V8.1 Collection	27230	SERP1	NM_014445.3	Full Length 100% match
ccsbBroadEn_03008	ccsbBroad304_03008		BC032627	27232	GNMT	no errors	hORFeome V8.1 Collection	27232	GNMT	NM_018960.4	Full Length 100% match
ccsbBroadEn_03009	ccsbBroad304_03009		BC000397	27238	GPX3	no errors	hORFeome V8.1 Collection	27238	GPX3	NM_015698.4	Full Length 100% match
ccsbBroadEn_03010	ccsbBroad304_03010		BC002353	27239	GPR162	no errors	hORFeome V8.1 Collection	27239	GPR162	NM_014449.1	Full Length 100% match
ccsbBroadEn_03011	ccsbBroad304_03011		BC002502	27243	CHMP2A	no errors	hORFeome V8.1 Collection	27243	CHMP2A	NM_014453.2; NM_198426.1	Full Length 100% match
ccsbBroadEn_03012	ccsbBroad304_03012		BC054049,BC064903	27246	RNF115	no errors	hORFeome V8.1 Collection	27246	RNF115	NM_014455.2	Full Length 100% match
ccsbBroadEn_03013	ccsbBroad304_03013		BC013129	27248	ERLEC1	no errors	hORFeome V8.1 Collection	27248	ERLEC1	NM_015701.3	Full Length 100% match
ccsbBroadEn_03014	ccsbBroad304_03014		BC022228	27248	ERLEC1	no errors	hORFeome V8.1 Collection	27248	ERLEC1	NM_001127398.1	Full Length 100% match
ccsbBroadEn_03015	ccsbBroad304_03015		BC067113	27254	CSDC2	no errors	hORFeome V8.1 Collection	27254	CSDC2	NM_014460.3	Full Length 100% match
ccsbBroadEn_03016	Failed LR reaction		BC001767	27257	LSM1	no errors	hORFeome V8.1 Collection	27257	LSM1	NM_014462.1	Full Length 100% match
ccsbBroadEn_03017	ccsbBroad304_03017		BC026356	27289	RND1	no errors	hORFeome V8.1 Collection	27289	RND1	NM_014470.3	Full Length 100% match
ccsbBroadEn_03018	ccsbBroad304_03018		BC110068	27290	SPINK4	no errors	hORFeome V8.1 Collection	27290	SPINK4	NM_014471.1	Full Length 100% match
ccsbBroadEn_03019	ccsbBroad304_03019		BC014444	27293	SMPDL3B	no errors	hORFeome V8.1 Collection	27293	SMPDL3B	NM_001009568.1	Full Length 100% match
ccsbBroadEn_03020	ccsbBroad304_03020	454	BC014444	27293	SMPDL3B	no errors	hORFeome V8.1 Collection	27293	SMPDL3B	NM_001009568.1	Full Length 100% match



ccsbBroadEn_03021	ccsbBroad304_03021		BC032730	27294	DHDH	no errors	hORFeome V8.1 Collection	27294	DHDH	NM_014475.3	Full Length 100% match
ccsbBroadEn_03022	ccsbBroad304_03022		BC036785	27296	TP53TG5	no errors	hORFeome V8.1 Collection	27296	TP53TG5	NM_014477.2	Full Length 100% match
ccsbBroadEn_03023	ccsbBroad304_03023		BC040107	27297	CRCP	no errors	hORFeome V8.1 Collection	27297	CRCP	NM_001040647.1	Full Length 100% match
ccsbBroadEn_03024	ccsbBroad304_03024		BC067271	27300	ZNF544	no errors	hORFeome V8.1 Collection	27300	ZNF544	NM_014480.2	Full Length 100% match
ccsbBroadEn_03025	ccsbBroad304_03025		BC002959	27301	APEX2	no errors	hORFeome V8.1 Collection	27301	APEX2	NM_014481.2	Full Length 100% match
ccsbBroadEn_03026	ccsbBroad304_03026		BC020734	27306	HPGDS	no errors	hORFeome V8.1 Collection	27306	HPGDS	NM_014485.2	Full Length 100% match
ccsbBroadEn_03027	ccsbBroad304_03027		BC014213	27314	RAB30	no errors	hORFeome V8.1 Collection	27314	RAB30	NM_014488.3	Full Length 100% match
ccsbBroadEn_03028	ccsbBroad304_03028		BC006550	27316	RBMX	no errors	hORFeome V8.1 Collection	27316	RBMX	NM_002139.3	Full Length 100% match
ccsbBroadEn_03029	ccsbBroad304_03029		BC058287	27329	ANGPTL3	no errors	hORFeome V8.1 Collection	27329	ANGPTL3	NM_014495.2	Full Length 100% match
ccsbBroadEn_03030	ccsbBroad304_03030		BC051875	27334	P2RY10	no errors	hORFeome V8.1 Collection	27334	P2RY10	NM_014499.2;	Full Length 100% match
ccsbBroadEn_03031	ccsbBroad304_03031		BC001031,BC007559	27335	EIF3K	no errors	hORFeome V8.1 Collection	27335	EIF3K	NM_198333.1	Full Length 100% match
ccsbBroadEn_03032	ccsbBroad304_03032		BC009896	27336	HTATSF1	no errors	hORFeome V8.1 Collection	27336	HTATSF1	NM_014500.4;	Full Length 100% match
ccsbBroadEn_03033	ccsbBroad304_03033		BC008719	27339	PRPF19	no errors	hORFeome V8.1 Collection	27339	PRPF19	NM_001163280.1	Full Length 100% match
ccsbBroadEn_03034	ccsbBroad304_03034		BC073834,BC121118	27341	RRP7A	no errors	hORFeome V8.1 Collection	27341	RRP7A	NM_014502.4	Full Length 100% match
ccsbBroadEn_03035	ccsbBroad304_03035		BC015330	27342	RABGEF1	no errors	hORFeome V8.1 Collection	27342	RABGEF1	NM_015703.4	Full Length 100% match
ccsbBroadEn_03036	ccsbBroad304_03036	454	BC042446,BC050621	27345	KCNMB4	no errors	hORFeome V8.1 Collection	27345	KCNMB4	NM_014504.2	Full Length 100% match
ccsbBroadEn_03037	ccsbBroad304_03037	454	BC091504	27346	TMEM97	no errors	hORFeome V8.1 Collection	27346	TMEM97	NM_014505.4	Full Length 100% match
ccsbBroadEn_03038	ccsbBroad304_03038		BC015578	27348	TOR1B	no errors	hORFeome V8.1 Collection	27348	TOR1B	NM_014573.2	Full Length 100% match
ccsbBroadEn_03039	ccsbBroad304_03039		BC008078	27352	SGSM3	no errors	hORFeome V8.1 Collection	27352	SGSM3	NM_014506.1	Full Length 100% match
ccsbBroadEn_03040	ccsbBroad304_03040		BC007450,BC063498	28511	NKIRAS2	no errors	hORFeome V8.1 Collection	28511	NKIRAS2	NM_001001349.2;	Full Length 100% match
ccsbBroadEn_03041	ccsbBroad304_03041		BC002637	28951	TRIB2	no errors	hORFeome V8.1 Collection	28951	TRIB2	NM_017595.5;	Full Length 100% match
ccsbBroadEn_03042	ccsbBroad304_03042		BC000972,BC011675	28952	CCDC22	no errors	hORFeome V8.1 Collection	28952	CCDC22	NM_001144927.1	Full Length 100% match
ccsbBroadEn_03043	ccsbBroad304_03043		BC001083,BC037569	28955	DEX1	no errors	hORFeome V8.1 Collection	28955	DEX1	NM_021643.3	Full Length 100% match
ccsbBroadEn_03044	ccsbBroad304_03044		BC024190	28956	ROBLD3	no errors	hORFeome V8.1 Collection	28956	ROBLD3	NM_014008.3	Full Length 100% match
ccsbBroadEn_03045	ccsbBroad304_03045		BC002698	28958	CCDC56	no errors	hORFeome V8.1 Collection	28958	CCDC56	NM_014015.3	Full Length 100% match
ccsbBroadEn_03046	ccsbBroad304_03046		BC010886	28966	SNX24	no errors	hORFeome V8.1 Collection	28966	SNX24	NM_014017.3	Full Length 100% match
ccsbBroadEn_03047	ccsbBroad304_03047		BC003056,BC009597	28969	BZW2	no errors	hORFeome V8.1 Collection	28969	BZW2	NM_001040431.1	Full Length 100% match
ccsbBroadEn_03048	ccsbBroad304_03048		BC012298	28970	C11orf54	no errors	hORFeome V8.1 Collection	28970	C11orf54	NM_014035.2	Full Length 100% match
ccsbBroadEn_03049	ccsbBroad304_03049		BC002752	28971	C11orf67	no errors	hORFeome V8.1 Collection	28971	C11orf67	NM_001159767.1;	Full Length 100% match
ccsbBroadEn_03050	ccsbBroad304_03050		BC015465	28974	C19orf53	no errors	hORFeome V8.1 Collection	28974	C19orf53	NM_014038.2	Full Length 100% match
ccsbBroadEn_03051	ccsbBroad304_03051		BC013354	28976	ACAD9	no errors	hORFeome V8.1 Collection	28976	ACAD9	NM_014039.2	Full Length 100% match
ccsbBroadEn_03052	ccsbBroad304_03052		BC040240	28977	MRPL42	no errors	hORFeome V8.1 Collection	28977	MRPL42	NM_024684.2	Full Length 100% match
ccsbBroadEn_03053	ccsbBroad304_03053		BC015097,BC019328	28978	TMEM14A	no errors	hORFeome V8.1 Collection	28978	TMEM14A	NM_014047.2	Full Length 100% match
ccsbBroadEn_03054	ccsbBroad304_03054		BC004536	28981	IFT81	no errors	hORFeome V8.1 Collection	28981	IFT81	NM_014049.4	Full Length 100% match
ccsbBroadEn_03055	ccsbBroad304_03055		BC113412,BC113414	28983	TMPRSS11E	no errors	hORFeome V8.1 Collection	28983	TMPRSS11E	NM_014050.2;	Full Length 100% match
ccsbBroadEn_03056	ccsbBroad304_03056		BC001013	28985	MCTS1	no errors	hORFeome V8.1 Collection	28985	MCTS1	NM_172177.2	Full Length 100% match
ccsbBroadEn_03057	ccsbBroad304_03057		BC064630	28987	NOB1	no errors	hORFeome V8.1 Collection	28987	NOB1	NM_014051.3	Full Length 100% match
ccsbBroadEn_03058	ccsbBroad304_03058		BC031687	28988	DBNL	no errors	hORFeome V8.1 Collection	28988	DBNL	NM_031473.3	Full Length 100% match
ccsbBroadEn_03059	ccsbBroad304_03059		BC011677	28988	DBNL	no errors	hORFeome V8.1 Collection	28988	DBNL	NM_014058.3	Full Length 100% match
ccsbBroadEn_03060	ccsbBroad304_03060		BC001396,BC033234	28989	METTLL11A	no errors	hORFeome V8.1 Collection	28989	METTLL11A	NM_014060.2	Full Length 100% match
ccsbBroadEn_03061	ccsbBroad304_03061		BC002672,BC065729	28991	COMMD5	no errors	hORFeome V8.1 Collection	28991	COMMD5	NM_00104062.3;	Full Length 100% match
ccsbBroadEn_03062	ccsbBroad304_03062	454	BC002672,BC065729	28991	COMMD5	no errors	hORFeome V8.1 Collection	28991	COMMD5	NM_001081004.1;	Full Length 100% match
ccsbBroadEn_03063	ccsbBroad304_03063		BC009190,BC021744	28998	MRPL13	no errors	hORFeome V8.1 Collection	28998	MRPL13	NM_001081003.1;	Full Length 100% match
ccsbBroadEn_03064	ccsbBroad304_03064		BC003163	29015	SLC43A3	no errors	hORFeome V8.1 Collection	29015	SLC43A3	NM_001081003.1;	Full Length 100% match
ccsbBroadEn_03065	ccsbBroad304_03065		BC113570	29035	C16orf72	no errors	hORFeome V8.1 Collection	29035	C16orf72	NM_014066.3;	Full Length 100% match
ccsbBroadEn_03066	ccsbBroad304_03066		BC011990	29058	C20orf30	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	29058	C20orf30	NM_001081004.1;	Full Length 100% match
ccsbBroadEn_03067	ccsbBroad304_03067		BC017246	29062	WDR91	no errors	hORFeome V8.1 Collection	29062	WDR91	NM_199329.1;	Full Length 100% match
ccsbBroadEn_03068	ccsbBroad304_03068		BC071729	29068	ZBTB44	no errors	hORFeome V8.1 Collection	29068	ZBTB44	NM_014096.2	Full Length 100% match
ccsbBroadEn_03069	ccsbBroad304_03069		BC126445,BC126447	29070	CCDC113	no errors	hORFeome V8.1 Collection	29070	CCDC113	NM_014117.2	Full Length 100% match
ccsbBroadEn_03070	ccsbBroad304_03070		BC020647	29080	CCDC59	no errors	hORFeome V8.1 Collection	29080	CCDC59	NM_014145.4;	Full Length 100% match
ccsbBroadEn_03071	ccsbBroad304_03071		BC113533,BC113535	29082	CHMP4A	no errors	hORFeome V8.1 Collection	29082	CHMP4A	NM_001009925.1;	Full Length 100% match
ccsbBroadEn_03072	ccsbBroad304_03072		BC037163	29083	GTPBP8	no errors	hORFeome V8.1 Collection	29083	GTPBP8	NM_001009924.1	Full Length 100% match
ccsbBroadEn_03073	ccsbBroad304_03073		BC006978	29087	THYN1	no errors	hORFeome V8.1 Collection	29087	THYN1	NM_014149.3	Full Length 100% match
ccsbBroadEn_03074	ccsbBroad304_03074		BC004152	29089	UBE2T	no errors	hORFeome V8.1 Collection	29089	UBE2T	NM_014155.4	Full Length 100% match
ccsbBroadEn_03075	ccsbBroad304_03075		BC000892	29090	C18orf55	no errors	hORFeome V8.1 Collection	29090	C18orf55	NM_014157.3	Full Length 100% match
ccsbBroadEn_03076	ccsbBroad304_03076		BC009499	29091	STXBP6	no errors	hORFeome V8.1 Collection	29091	STXBP6	NM_014177.2	Full Length 100% match
ccsbBroadEn_03077	ccsbBroad304_03077		BC062691	29094	HSPC159	no errors	hORFeome V8.1 Collection	29094	HSPC159	NM_014178.6	Full Length 100% match
ccsbBroadEn_03078	ccsbBroad304_03078		BC006486	29098	RANGRF	no errors	hORFeome V8.1 Collection	29098	RANGRF	NM_014181.2	Full Length 100% match
ccsbBroadEn_03079	ccsbBroad304_03079		BC003080	29100	TMEM208	no errors	hORFeome V8.1 Collection	29100	TMEM208	NM_001177802.1	Full Length 100% match
ccsbBroadEn_03080	ccsbBroad304_03080		BC005152	29105	C16orf80	no errors	hORFeome V8.1 Collection	29105	C16orf80	NM_014187.3	Full Length 100% match
ccsbBroadEn_03081	ccsbBroad304_03081		BC000759,BC003410	29107	NXT1	no errors	hORFeome V8.1 Collection	29107	NXT1	NM_013242.2	Full Length 100% match
ccsbBroadEn_03082	ccsbBroad304_03082		BC007592	29115	SAP30BP	no errors	hORFeome V8.1 Collection	29115	SAP30BP	NM_013248.2	Full Length 100% match
ccsbBroadEn_03083	Failed LR reaction		BC002860	29116	MYLIP	no errors	hORFeome V8.1 Collection	29116	MYLIP	NM_013260.6	Full Length 100% match
ccsbBroadEn_03084	ccsbBroad304_03084		BC033016,BC037775	29122	PRSS50	no errors	hORFeome V8.1 Collection	29122	PRSS50	NM_013262.3	Full Length 100% match
ccsbBroadEn_03085	ccsbBroad304_03085		BC069312	29124	LGALS13	no errors	hORFeome V8.1 Collection	29124	LGALS13	NM_013270.4	Full Length 100% match
ccsbBroadEn_03086	ccsbBroad304_03086		BC113734,BC113736	29126	CD274	no errors	hORFeome V8.1 Collection	29126	CD274	NM_013268.2	Full Length 100% match
ccsbBroadEn_03087	ccsbBroad304_03087		BC032754	29127	RACGAP1	no errors	hORFeome V8.1 Collection	29127	RACGAP1	NM_014143.3	Full Length 100% match
ccsbBroadEn_03088	ccsbBroad304_03088		BC075792	29761	USP25	no errors	hORFeome V8.1 Collection	29761	USP25	NM_001126104.1;	Full Length 100% match
ccsbBroadEn_03089	ccsbBroad304_03089		BC007914,BC011889	29763	PACSIN3	no errors	hORFeome V8.1 Collection	29763	PACSIN3	NM_013277.3;	Full Length 100% match
ccsbBroadEn_03090	ccsbBroad304_03090		BC020542	29766	TMOD3	no errors	hORFeome V8.1 Collection	29766	TMOD3	NM_001126103.1	Full Length 100% match
ccsbBroadEn_03091	ccsbBroad304_03091		BC064961	29767	TMOD2	no errors	hORFeome V8.1 Collection	29767	TMOD2	NM_013396.3	Full Length 100% match
ccsbBroadEn_03092	ccsbBroad304_03092		BC048812	29777	ABT1	no errors	hORFeome V8.1 Collection	29777	ABT1	NM_016223.4;	Full Length 100% match
ccsbBroadEn_03093	ccsbBroad304_03093	454	BC112189	29798	C2orf27A	no errors	hORFeome V8.1 Collection	29798	C2orf27A	NM_001184975.1;	Full Length 100% match
ccsbBroadEn_03094	ccsbBroad304_03094	454	BC021908	29800	ZDHC1	no errors	hORFeome V8.1 Collection	29800	ZDHC1	NM_001184974.1	Full Length 100% match



ccsbBroadEn_03095	ccsbBroad304_03095		BC020666	29802	VPREB3	no errors	hORFeome V8.1 Collection	29802	VPREB3	NM_013378.2	Full Length 100% match
ccsbBroadEn_03096	ccsbBroad304_03096		BC028210	29851	ICOS	no errors	hORFeome V8.1 Collection	29851	ICOS	NM_012092.3	Full Length 100% match
ccsbBroadEn_03097	ccsbBroad304_03097		BC060852	29883	CNOT7	no errors	hORFeome V8.1 Collection	29883	CNOT7	NM_013354.5	Full Length 100% match
ccsbBroadEn_03098	ccsbBroad304_03098		BC009250	29889	GNL2	no errors	hORFeome V8.1 Collection	29889	GNL2	NM_013285.2	Full Length 100% match
ccsbBroadEn_03099	ccsbBroad304_03099		BC017094	29896	TRA2A	no errors	hORFeome V8.1 Collection	29896	TRA2A	NM_013293.3	Full Length 100% match
ccsbBroadEn_03100	ccsbBroad304_03100		BC108911	29906	ST8SIA5	no errors	hORFeome V8.1 Collection	29906	ST8SIA5	NM_013305.4	Full Length 100% match
ccsbBroadEn_03101	ccsbBroad304_03101		BC012767,BC014520	29907	SNX15	no errors	hORFeome V8.1 Collection	29907	SNX15	NM_013306.4	Full Length 100% match
ccsbBroadEn_03102	ccsbBroad304_03102	454	BC004468	29914	UBIAD1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	29914	UBIAD1	NM_013319.2	Full Length 100% match
ccsbBroadEn_03103	ccsbBroad304_03103		BC000768	29916	SNX11	no errors	hORFeome V8.1 Collection	29916	SNX11	NM_013323.2; NM_152244.1	Full Length 100% match
ccsbBroadEn_03104	ccsbBroad304_03104		BC014868,BC020553	29920	PYCR2	no errors	hORFeome V8.1 Collection	29920	PYCR2	NM_013328.2	Full Length 100% match
ccsbBroadEn_03105	ccsbBroad304_03105		BC044651	29924	EPN1	no errors	hORFeome V8.1 Collection	29924	EPN1	NM_013333.3	Full Length 100% match
ccsbBroadEn_03106	ccsbBroad304_03106		BC001141,BC008033	29925	GMPPB	no errors	hORFeome V8.1 Collection	29925	GMPPB	NM_021971.1	Full Length 100% match
ccsbBroadEn_03107	ccsbBroad304_03107		BC007456	29926	GMPPA	no errors	hORFeome V8.1 Collection	29926	GMPPA	NM_013335.3	Full Length 100% match
ccsbBroadEn_03108	ccsbBroad304_03108	454	BC112096	29930	PCDHB1	no errors	hORFeome V8.1 Collection	29930	PCDHB1	NM_013340.2	Full Length 100% match
ccsbBroadEn_03109	ccsbBroad304_03109	454	BC084546	29933	GPR132	no errors	hORFeome V8.1 Collection	29933	GPR132	NM_013345.2	Full Length 100% match
ccsbBroadEn_03110	ccsbBroad304_03110		BC103848	29934	SNX12	no errors	hORFeome V8.1 Collection	29934	SNX12	NM_013346.2	Full Length 100% match
ccsbBroadEn_03111	ccsbBroad304_03111		BC069791,BC069824	29935	RPA4	no errors	hORFeome V8.1 Collection	29935	RPA4	NM_013347.4	Full Length 100% match
ccsbBroadEn_03112	ccsbBroad304_03112	454	BC008823	29937	NENF	no errors	hORFeome V8.1 Collection	29937	NENF	NM_013349.4	Full Length 100% match
ccsbBroadEn_03113	ccsbBroad304_03113		BC039245	29940	DSE	no errors	hORFeome V8.1 Collection	29940	DSE	NM_013352.2; NM_001080976.1	Full Length 100% match
ccsbBroadEn_03114	ccsbBroad304_03114		BC106708	29942	PURG	no errors	hORFeome V8.1 Collection	29942	PURG	NM_013357.2	Full Length 100% match
ccsbBroadEn_03115	ccsbBroad304_03115		BC002670	29950	SERTAD1	no errors	hORFeome V8.1 Collection	29950	SERTAD1	NM_013376.3	Full Length 100% match
ccsbBroadEn_03116	ccsbBroad304_03116	454	BC150181	29953	TRHDE	no errors	hORFeome V8.1 Collection	29953	TRHDE	NM_013381.2	Full Length 100% match
ccsbBroadEn_03117	ccsbBroad304_03117		BC001357	29956	LASS2	no errors	hORFeome V8.1 Collection	29956	LASS2	NM_181746.2; NM_022075.3	Full Length 100% match
ccsbBroadEn_03118	ccsbBroad304_03118		BC001221	29959	NRBP1	no errors	hORFeome V8.1 Collection	29959	NRBP1	NM_013392.2	Full Length 100% match
ccsbBroadEn_03119	ccsbBroad304_03119		BC002882	29965	C16orf5	no errors	hORFeome V8.1 Collection	29965	C16orf5	NM_013399.2; NM_001199054.1	Full Length 100% match
ccsbBroadEn_03120	ccsbBroad304_03120	454	BC048266	29980	DONSON	no errors	hORFeome V8.1 Collection	29980	DONSON	NM_017613.2	Full Length 100% match
ccsbBroadEn_03121	ccsbBroad304_03121		BC011707	29982	NRBF2	no errors	hORFeome V8.1 Collection	29982	NRBF2	NM_030759.3	Full Length 100% match
ccsbBroadEn_03122	ccsbBroad304_03122		BC001338	29984	RHOD	no errors	hORFeome V8.1 Collection	29984	RHOD	NM_014578.3	Full Length 100% match
ccsbBroadEn_03123	ccsbBroad304_03123		BC020571	29985	SLC39A3	no errors	hORFeome V8.1 Collection	29985	SLC39A3	NM_014578.3	Full Length 100% match
ccsbBroadEn_03124	ccsbBroad304_03124		BC050547	29990	PILRB	no errors	hORFeome V8.1 Collection	29990	PILRB	NM_213568.1	Full Length 100% match
ccsbBroadEn_03125	ccsbBroad304_03125	454	BC069563	29991	OBP2A	no errors	hORFeome V8.1 Collection	29991	OBP2A	NM_178238.2	Full Length 100% match
ccsbBroadEn_03126	ccsbBroad304_03126		BC040228	29993	PACSIN1	no errors	hORFeome V8.1 Collection	29993	PACSIN1	NM_014582.2; NM_001199583.1; NM_020804.3	Full Length 100% match
ccsbBroadEn_03127	ccsbBroad304_03127		BC000646	29995	LMCD1	no errors	hORFeome V8.1 Collection	29995	LMCD1	NM_014583.2	Full Length 100% match
ccsbBroadEn_03128	ccsbBroad304_03128		BC035606	29999	FSCN3	no errors	hORFeome V8.1 Collection	29999	FSCN3	NM_020369.2	Full Length 100% match
ccsbBroadEn_03129	ccsbBroad304_03129		BC012941	30001	ERO1L	no errors	hORFeome V8.1 Collection	30001	ERO1L	NM_014584.1	Full Length 100% match
ccsbBroadEn_03130	ccsbBroad304_03130		BC047505	30010	NXPH1	no errors	hORFeome V8.1 Collection	30010	NXPH1	NM_152745.2	Full Length 100% match
ccsbBroadEn_03131	ccsbBroad304_03131		BC017291	30012	TLX3	no errors	hORFeome V8.1 Collection	30012	TLX3	NM_021025.2	Full Length 100% match
ccsbBroadEn_03132	ccsbBroad304_03132		BC069816	30014	SPANXA1	no errors	hORFeome V8.1 Collection	30014; 728712	SPANXA1; SPANXA2	NM_013453.2; NM_145662.2	Full Length 100% match
ccsbBroadEn_03133	ccsbBroad304_03133		BC126228	30813	VSX1	no errors	hORFeome V8.1 Collection	30813	VSX1	NM_014588.4	Full Length 100% match
ccsbBroadEn_03134	ccsbBroad304_03134		BC006564,BC016299	30815	ST6GALNAC6	no errors	hORFeome V8.1 Collection	30815	ST6GALNAC6	NM_013443.3	Full Length 100% match
ccsbBroadEn_03135	ccsbBroad304_03135	454	BC137381	30816	ERVWE1	no errors	hORFeome V8.1 Collection	30816	ERVWE1	NM_001130925.1; NM_014590.3	Full Length 100% match
ccsbBroadEn_03136	ccsbBroad304_03136		BC034685	30819	KCNIP2	no errors	hORFeome V8.1 Collection	30819	KCNIP2	NM_173192.2	Full Length 100% match
ccsbBroadEn_03137	ccsbBroad304_03137	454	BC050375	30820	KCNIP1	no errors	hORFeome V8.1 Collection	30820	KCNIP1	NM_014592.2	Full Length 100% match
ccsbBroadEn_03138	ccsbBroad304_03138		BC010898	30834	ZNRD1	no errors	hORFeome V8.1 Collection	30834	ZNRD1	NM_014596.4; NM_170783.2	Full Length 100% match
ccsbBroadEn_03139	ccsbBroad304_03139	454	BC114614	43847	KLK14	no errors	hORFeome V8.1 Collection	43847	KLK14	NM_022046.4	Full Length 100% match
ccsbBroadEn_03140	ccsbBroad304_03140		BC086311	49856	WDR8	no errors	hORFeome V8.1 Collection	49856	WDR8	NM_017818.3	Full Length 100% match
ccsbBroadEn_03141	ccsbBroad304_03141		BC020838	49861	CLDN20	no errors	hORFeome V8.1 Collection	49861	CLDN20	NM_001001346.3	Full Length 100% match
ccsbBroadEn_03142	ccsbBroad304_03142		BC117496,BC130628	50484	RRM2B	no errors	hORFeome V8.1 Collection	50484	RRM2B	NM_015713.4	Full Length 100% match
ccsbBroadEn_03143	ccsbBroad304_03143		BC043341	50485	SMARCA1	no errors	hORFeome V8.1 Collection	50485	SMARCA1	NM_001127207.1; NM_014140.3	Full Length 100% match
ccsbBroadEn_03144	ccsbBroad304_03144		BC022278	50489	CD207	no errors	hORFeome V8.1 Collection	50489	CD207	NM_015717.3	Full Length 100% match
ccsbBroadEn_03145	ccsbBroad304_03145		BC040105	50507	NOX4	no errors	hORFeome V8.1 Collection	50507	NOX4	NM_016931.3	Full Length 100% match
ccsbBroadEn_03146	ccsbBroad304_03146	454	BC062662	50511	SYCP3	no errors	hORFeome V8.1 Collection	50511	SYCP3	NM_001177948.1; NM_001177949.1; NM_153694.4	Full Length 100% match
ccsbBroadEn_03147	ccsbBroad304_03147		BC069311,BC069559	50604	IL20	no errors	hORFeome V8.1 Collection	50604	IL20	NM_018724.3	Full Length 100% match
ccsbBroadEn_03148	ccsbBroad304_03148		BC004348	50615	IL21R	no errors	hORFeome V8.1 Collection	50615	IL21R	NM_181078.2; NM_021798.3	Full Length 100% match
ccsbBroadEn_03149	ccsbBroad304_03149		BC054345	50650	ARHGEF3	no errors	hORFeome V8.1 Collection	50650	ARHGEF3	NM_019555.2	Full Length 100% match
ccsbBroadEn_03150	ccsbBroad304_03150		BC117488,BC126468	50674	NEUROG3	no errors	hORFeome V8.1 Collection	50674	NEUROG3	NM_020999.3	Full Length 100% match
ccsbBroadEn_03151	ccsbBroad304_03151		BC099709	50717	DCAF8	no errors	hORFeome V8.1 Collection	50717	DCAF8	NM_015726.3	Full Length 100% match
ccsbBroadEn_03152	ccsbBroad304_03152		BC013771	50808	AK3	no errors	hORFeome V8.1 Collection	50808	AK3	NM_016282.2	Full Length 100% match
ccsbBroadEn_03153	ccsbBroad304_03153		BC113561	50837	TAS2R7	no errors	hORFeome V8.1 Collection	50837	TAS2R7	NM_023919.2	Full Length 100% match
ccsbBroadEn_03154	ccsbBroad304_03154		BC069376	50838	TAS2R13	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	50838	TAS2R13	NM_023920.2	Full Length 100% match
ccsbBroadEn_03155	ccsbBroad304_03155	454	BC033507	50846	DHH	no errors	hORFeome V8.1 Collection	50846	DHH	NM_021044.2	Full Length 100% match
ccsbBroadEn_03156	ccsbBroad304_03156		BC001533	50848	F11R	no errors	hORFeome V8.1 Collection	50848	F11R	NM_016946.4	Full Length 100% match
ccsbBroadEn_03157	ccsbBroad304_03157		BC025713	50852	TRAT1	no errors	hORFeome V8.1 Collection	50852	TRAT1	NM_016388.2	Full Length 100% match
ccsbBroadEn_03158	ccsbBroad304_03158	454	BC074822	50856	CLEC4A	no errors	hORFeome V8.1 Collection	50856	CLEC4A	NM_016184.3	Full Length 100% match
ccsbBroadEn_03159	ccsbBroad304_03159		BC000460	50859	SPOCK3	no errors	hORFeome V8.1 Collection	50859	SPOCK3	NM_001040159.1	Full Length 100% match
ccsbBroadEn_03160	ccsbBroad304_03160		BC009381	50861	STMN3	no errors	hORFeome V8.1 Collection	50861	STMN3	NM_015894.2	Full Length 100% match
ccsbBroadEn_03161	ccsbBroad304_03161		BC113401,BC113403	50943	FOXP3	no errors	hORFeome V8.1 Collection	50943	FOXP3	NM_014009.3	Full Length 100% match
ccsbBroadEn_03162	ccsbBroad304_03162		BC014194	50945	TBX22	no errors	hORFeome V8.1 Collection	50945	TBX22	NM_016954.2; NM_001109878.1	Full Length 100% match
ccsbBroadEn_03163	ccsbBroad304_03163		BC101086	50964	SOST	no errors	hORFeome V8.1 Collection	50964	SOST	NM_025237.2	Full Length 100% match
ccsbBroadEn_03164	ccsbBroad304_03164		BC012995	51001	MTERFD1	no errors	hORFeome V8.1 Collection	51001	MTERFD1	NM_015942.3	Full Length 100% match
ccsbBroadEn_03165	ccsbBroad304_03165		BC012539	51003	MED31	no errors	hORFeome V8.1 Collection	51003	MED31	NM_016060.2	Full Length 100% match
ccsbBroadEn_03166	ccsbBroad304_03166		BC014191	51006	SLC35C2	no errors	hORFeome V8.1 Collection	51006	SLC35C2	NM_173073.2	Full Length 100% match
ccsbBroadEn_03167	ccsbBroad304_03167		BC021138,BC025277	51006	SLC35C2	no errors	hORFeome V8.1 Collection	51006	SLC35C2	NM_015945.10; NM_173179.2	Full Length 100% match
ccsbBroadEn_03168	ccsbBroad304_03168		BC012291	51008	ASCC1	no errors	hORFeome V8.1 Collection	51008	ASCC1	NM_015947.3; NM_001198798.1; NM_001198800.1	Full Length 100% match
ccsbBroadEn_03169	ccsbBroad304_03169		BC010890	51009	DERL2	no errors	hORFeome V8.1 Collection	51009	DERL2	NM_016041.3	Full Length 100% match
ccsbBroadEn_03170	ccsbBroad304_03170		BC008880	51010	EXOSC3	no errors	hORFeome V8.1 Collection	51010	EXOSC3	NM_016042.2	Full Length 100% match



ccsbBroadEn_03171	ccsbBroad304_03171		BC009403	51011	FAHD2A	no errors	hORFeome V8.1 Collection	51011	FAHD2A	NM_016044.2	Full Length 100% match
ccsbBroadEn_03172	ccsbBroad304_03172		BC022067	51013	EXOSC1	no errors	hORFeome V8.1 Collection	51013	EXOSC1	NM_016046.3	Full Length 100% match
ccsbBroadEn_03173	ccsbBroad304_03173		BC019349	51014	TMED7	no errors	hORFeome V8.1 Collection	51014	TMED7	NM_181836.5	Full Length 100% match
ccsbBroadEn_03174	ccsbBroad304_03174		BC002491	51016	FAM158A	no errors	hORFeome V8.1 Collection	51016	FAM158A	NM_016049.3	Full Length 100% match
ccsbBroadEn_03175	ccsbBroad304_03175		BC021106	51021	MRPS16	no errors	hORFeome V8.1 Collection	51021	MRPS16	NM_016065.3	Full Length 100% match
ccsbBroadEn_03176	ccsbBroad304_03176		BC005186	51023	MRPS18C	no errors	hORFeome V8.1 Collection	51023	MRPS18C	NM_016067.2	Full Length 100% match
ccsbBroadEn_03177	ccsbBroad304_03177		BC003540,BC009428	51024	FIS1	no errors	hORFeome V8.1 Collection	51024	FIS1	NM_016068.2	Full Length 100% match
ccsbBroadEn_03178	ccsbBroad304_03178		BC005024	51025	PAM16	no errors	hORFeome V8.1 Collection	51025	PAM16	NM_016069.8	Full Length 100% match
ccsbBroadEn_03179	ccsbBroad304_03179		BC063405	51027	BOLA1	no errors	hORFeome V8.1 Collection	51027	BOLA1	NM_016074.3	Full Length 100% match
ccsbBroadEn_03180	ccsbBroad304_03180	454	BC004485	51029	PPPDE1	no errors	hORFeome V8.1 Collection	51029	PPPDE1	NM_016076.3	Full Length 100% match
ccsbBroadEn_03181	Failed LR reaction	454	BC008430	51030	FAM18B1	no errors	hORFeome V8.1 Collection	51030	FAM18B1	NM_016078.4	Full Length 100% match
ccsbBroadEn_03182	ccsbBroad304_03182		BC008605	51031	GLOD4	no errors	hORFeome V8.1 Collection	51031	GLOD4	NM_016080.3	Full Length 100% match
ccsbBroadEn_03183	ccsbBroad304_03183		BC069455	51032	CELA2B	no errors	hORFeome V8.1 Collection	51032	CELA2B	NM_015849.2	Full Length 100% match
ccsbBroadEn_03184	ccsbBroad304_03184	454	BC074909	51046	ST8SIA3	no errors	hORFeome V8.1 Collection	51046	ST8SIA3	NM_015879.2	Full Length 100% match
ccsbBroadEn_03185	ccsbBroad304_03185		BC126290,BC126292	51050	PI15	no errors	hORFeome V8.1 Collection	51050	PI15	NM_015886.3	Full Length 100% match
ccsbBroadEn_03186	ccsbBroad304_03186		BC005185,BC005389	51053	GMNN	no errors	hORFeome V8.1 Collection	51053	GMNN	NM_015895.3	Full Length 100% match
ccsbBroadEn_03187	ccsbBroad304_03187		BC001493,BC008953	51060	TXNDC12	no errors	hORFeome V8.1 Collection	51060	TXNDC12	NM_015913.2	Full Length 100% match
ccsbBroadEn_03188	ccsbBroad304_03188		BC015625	51067	YARS2	no errors	hORFeome V8.1 Collection	51067	YARS2	NM_001040436.1	Full Length 100% match
ccsbBroadEn_03189	ccsbBroad304_03189		BC013317	51068	NMD3	no errors	hORFeome V8.1 Collection	51068	NMD3	NM_015938.3	Full Length 100% match
ccsbBroadEn_03190	ccsbBroad304_03190		BC020212	51069	MRPL2	no errors	hORFeome V8.1 Collection	51069	MRPL2	NM_015950.3	Full Length 100% match
ccsbBroadEn_03191	ccsbBroad304_03191		BC009299,BC010077	51070	NOSIP	no errors	hORFeome V8.1 Collection	51070	NOSIP	NM_015953.3	Full Length 100% match
ccsbBroadEn_03192	ccsbBroad304_03192		BC009858	51073	MRPL4	no errors	hORFeome V8.1 Collection	51073	MRPL4	NM_015956.2;	Full Length 100% match
ccsbBroadEn_03193	ccsbBroad304_03193		BC009077	51074	APIP	no errors	hORFeome V8.1 Collection	51074	APIP	NM_015957.2	Full Length 100% match
ccsbBroadEn_03194	ccsbBroad304_03194		BC000666	51075	TMX2	no errors	hORFeome V8.1 Collection	51075	TMX2	NM_015959.3	Full Length 100% match
ccsbBroadEn_03195	ccsbBroad304_03195		BC021105,BC028948	51076	CUTC	no errors	hORFeome V8.1 Collection	51076	CUTC	NM_015960.2	Full Length 100% match
ccsbBroadEn_03196	ccsbBroad304_03196		BC080600	51077	FCF1	no errors	hORFeome V8.1 Collection	100507758	LOC100507758	XM_003119574.1; XM_003119575.1; XM_003119576.1; XM_003119577.1; XM_003119573.1	Full Length 100% match
ccsbBroadEn_03197	ccsbBroad304_03197		BC009189	51079	NDUFA13	no errors	hORFeome V8.1 Collection	51079	NDUFA13	NM_015965.6	Full Length 100% match
ccsbBroadEn_03198	ccsbBroad304_03198		BC000889	51082	POLR1D	no errors	hORFeome V8.1 Collection	51082	POLR1D	NM_015972.2	Full Length 100% match
ccsbBroadEn_03199	ccsbBroad304_03199		BC113539,BC117262	51086	TNNI3K	no errors	hORFeome V8.1 Collection	51086	TNNI3K	NM_015978.2	Full Length 100% match
ccsbBroadEn_03200	ccsbBroad304_03200	454	BC033800	51087	YBX2	no errors	hORFeome V8.1 Collection	51087	YBX2	NM_015982.3	Full Length 100% match
ccsbBroadEn_03201	ccsbBroad304_03201		BC002760	51090	PLL2	no errors	hORFeome V8.1 Collection	51090	PLL2	NM_015993.2	Full Length 100% match
ccsbBroadEn_03202	ccsbBroad304_03202		BC001594,BC010743	51094	ADIPOR1	no errors	hORFeome V8.1 Collection	51094	ADIPOR1	NM_015999.3; NM_001127687.1	Full Length 100% match
ccsbBroadEn_03203	ccsbBroad304_03203		BC021958	51099	ABHD5	no errors	hORFeome V8.1 Collection	51099	ABHD5	NM_016006.4	Full Length 100% match
ccsbBroadEn_03204	ccsbBroad304_03204		BC007455	51100	SH3GLB1	no errors	hORFeome V8.1 Collection	51100	SH3GLB1	NM_016009.3	Full Length 100% match
ccsbBroadEn_03205	ccsbBroad304_03205		BC000780	51103	NDUFAF1	no errors	hORFeome V8.1 Collection	51103	NDUFAF1	NM_016013.2	Full Length 100% match
ccsbBroadEn_03206	ccsbBroad304_03206		BC015211	51105	PHF20L1	no errors	hORFeome V8.1 Collection	51105	PHF20L1	NM_198513.1	Full Length 100% match
ccsbBroadEn_03207	ccsbBroad304_03207		BC017788	51106	TFB1M	no errors	hORFeome V8.1 Collection	51106	TFB1M	NM_016020.3	Full Length 100% match
ccsbBroadEn_03208	ccsbBroad304_03208		BC008732,BC017699	51107	APH1A	no errors	hORFeome V8.1 Collection	51107	APH1A	NM_016022.2	Full Length 100% match
ccsbBroadEn_03209	ccsbBroad304_03209		BC015568,BC020590	51107	APH1A	no errors	hORFeome V8.1 Collection	51107	APH1A	NM_001077628.1	Full Length 100% match
ccsbBroadEn_03210	ccsbBroad304_03210	454	BC000195	51108	METTL9	no errors	hORFeome V8.1 Collection	51108	METTL9	NM_016025.3	Full Length 100% match
ccsbBroadEn_03211	ccsbBroad304_03211		BC000878	51110	LACTB2	no errors	hORFeome V8.1 Collection	51110	LACTB2	NM_016027.2	Full Length 100% match
ccsbBroadEn_03212	ccsbBroad304_03212		BC103498	51111	SUV420H1	no errors	hORFeome V8.1 Collection	51111	SUV420H1	NM_017635.3	Full Length 100% match
ccsbBroadEn_03213	ccsbBroad304_03213		BC000035,BC006200	51114	ZDHHC9	no errors	hORFeome V8.1 Collection	51114	ZDHHC9	NM_001008222.2; NM_016032.3	Full Length 100% match
ccsbBroadEn_03214	ccsbBroad304_03214		BC009671	51115	FAM82B	no errors	hORFeome V8.1 Collection	51115	FAM82B	NM_016033.2	Full Length 100% match
ccsbBroadEn_03215	ccsbBroad304_03215		BC008017,BC013108	51116	MRPS2	no errors	hORFeome V8.1 Collection	51116	MRPS2	NM_016034.3	Full Length 100% match
ccsbBroadEn_03216	ccsbBroad304_03216		BC011895	51117	COQ4	no errors	hORFeome V8.1 Collection	51117	COQ4	NM_016035.3	Full Length 100% match
ccsbBroadEn_03217	ccsbBroad304_03217		BC065700	51119	SBDS	no errors	hORFeome V8.1 Collection	51119	SBDS	NM_016038.2	Full Length 100% match
ccsbBroadEn_03218	ccsbBroad304_03218		BC017360	51121	RPL26L1	no errors	hORFeome V8.1 Collection	51121	RPL26L1	NM_016093.2	Full Length 100% match
ccsbBroadEn_03219	ccsbBroad304_03219		BC015925	51123	ZNF706	no errors	hORFeome V8.1 Collection	51123	ZNF706	NM_016096.3; NM_001042511.1; NM_001042510.1	Full Length 100% match
ccsbBroadEn_03220	ccsbBroad304_03220		BC010888,BC017391	51124	IER3IP1	no errors	hORFeome V8.1 Collection	51124	IER3IP1	NM_016097.3	Full Length 100% match
ccsbBroadEn_03221	ccsbBroad304_03221		BC001227	51125	GOLGA7	no errors	hORFeome V8.1 Collection	51125	GOLGA7	NM_001174124.1	Full Length 100% match
ccsbBroadEn_03222	ccsbBroad304_03222		BC033788	51127	TRIM17	no errors	hORFeome V8.1 Collection	51127	TRIM17	NM_016102.3; NM_001024940.2	Full Length 100% match
ccsbBroadEn_03223	ccsbBroad304_03223		BC006488,BC009569	51130	ASB3	no errors	hORFeome V8.1 Collection	51130	ASB3	NM_016115.3	Full Length 100% match
ccsbBroadEn_03224	ccsbBroad304_03224		BC013357	51132	RLIM	no errors	hORFeome V8.1 Collection	51132	RLIM	NM_016120.3; NM_183353.2	Full Length 100% match
ccsbBroadEn_03225	ccsbBroad304_03225		BC022475	51141	INSIG2	no errors	hORFeome V8.1 Collection	51141	INSIG2	NM_016133.2	Full Length 100% match
ccsbBroadEn_03226	ccsbBroad304_03226		BC003079,BC015639	51142	CHCHD2	no errors	hORFeome V8.1 Collection	51142	CHCHD2	NM_016139.2	Full Length 100% match
ccsbBroadEn_03227	ccsbBroad304_03227		BC131620	51143	DYNC1L1	no errors	hORFeome V8.1 Collection	51143	DYNC1L1	NM_016141.3	Full Length 100% match
ccsbBroadEn_03228	ccsbBroad304_03228		BC007781	51147	ING4	no errors	hORFeome V8.1 Collection	51147	ING4	NM_001127582.1	Full Length 100% match
ccsbBroadEn_03229	ccsbBroad304_03229		BC064405	51151	SLC45A2	no errors	hORFeome V8.1 Collection	51151	SLC45A2	NM_001012509.2	Full Length 100% match
ccsbBroadEn_03230	ccsbBroad304_03230		BC001420	51155	HN1	no errors	hORFeome V8.1 Collection	51155	HN1	NM_016185.2; NM_016186.2;	Full Length 100% match
ccsbBroadEn_03231	ccsbBroad304_03231		BC022261	51156	SERPINA10	no errors	hORFeome V8.1 Collection	51156	SERPINA10	NM_001100607.1	Full Length 100% match
ccsbBroadEn_03232	ccsbBroad304_03232		BC006485,BC019321	51160	VPS28	no errors	hORFeome V8.1 Collection	51160	VPS28	NM_016208.2	Full Length 100% match
ccsbBroadEn_03233	ccsbBroad304_03233		BC050713	51160	VPS28	no errors	hORFeome V8.1 Collection	51160	VPS28	NM_183057.1	Full Length 100% match
ccsbBroadEn_03234	ccsbBroad304_03234		BC006283,BC006294	51171	HSD17B14	no errors	hORFeome V8.1 Collection	51171	HSD17B14	NM_016246.2	Full Length 100% match
ccsbBroadEn_03235	ccsbBroad304_03235		BC000258	51174	TUBD1	no errors	hORFeome V8.1 Collection	51174	TUBD1	NM_001193609.1	Full Length 100% match
ccsbBroadEn_03236	ccsbBroad304_03236		BC025405	51175	TUBE1	no errors	hORFeome V8.1 Collection	51175	TUBE1	NM_016262.4	Full Length 100% match
ccsbBroadEn_03237	ccsbBroad304_03237		BC050632	51176	LEF1	no errors	hORFeome V8.1 Collection	51176	LEF1	NM_016269.4	Full Length 100% match
ccsbBroadEn_03238	ccsbBroad304_03238		BC010149	51177	PLEKHO1	no errors	hORFeome V8.1 Collection	51177	PLEKHO1	NM_016274.4	Full Length 100% match
ccsbBroadEn_03239	ccsbBroad304_03239		BC001470	51181	DCXR	no errors	hORFeome V8.1 Collection	51181	DCXR	NM_016286.3	Full Length 100% match
ccsbBroadEn_03240	ccsbBroad304_03240		BC119690	51182	HSPA14	no errors	hORFeome V8.1 Collection	51182	HSPA14	NM_016299.2	Full Length 100% match
ccsbBroadEn_03241	ccsbBroad304_03241		BC017419	51185	CRBN	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	51185	CRBN	NM_016302.3	Full Length 100% match
ccsbBroadEn_03242	ccsbBroad304_03242		BC023544	51186	WBP5	no errors	hORFeome V8.1 Collection	51186	WBP5	NM_016303.2; NM_001006614.1; NM_001006613.1;	Full Length 100% match
ccsbBroadEn_03243	ccsbBroad304_03243		BC004380	51192	CKLF	no errors	hORFeome V8.1 Collection	51192	CKLF	NM_016951.2	Full Length 100% match
ccsbBroadEn_03244	ccsbBroad304_03244		BC005049,BC007744	51204	TACO1	no errors	hORFeome V8.1 Collection	51204	TACO1	NM_016360.3	Full Length 100% match
ccsbBroadEn_03245	ccsbBroad304_03245	454	BC142708	51208	CLDN18	no errors	hORFeome V8.1 Collection	51208	CLDN18	NM_016369.3	Full Length 100% match
ccsbBroadEn_03246	ccsbBroad304_03246	454	BC093758	51209	RAB9B	no errors	hORFeome V8.1 Collection	51209	RAB9B	NM_016370.2	Full Length 100% match
ccsbBroadEn_03247	ccsbBroad304_03247		BC007780	51225	ABI3	no errors	hORFeome V8.1 Collection	51225	ABI3	NM_016428.2	Full Length 100% match
ccsbBroadEn_03248	ccsbBroad304_03248		BC005180,BC011007	51227	PIGP	no errors	hORFeome V8.1 Collection	51227	PIGP	NM_153682.2	Full Length 100% match



ccsbBroadEn_03249	ccsbBroad304_03249		BC009932	51228	GLTP	no errors	hORFeome V8.1 Collection	51228	GLTP	NM_016433.3	Full Length 100% match
ccsbBroadEn_03250	ccsbBroad304_03250		BC056888	51233	C22orf43	no errors	hORFeome V8.1 Collection	51233	C22orf43	NM_016449.3	Full Length 100% match
ccsbBroadEn_03251	ccsbBroad304_03251		BC021275	51237	MZB1	no errors	hORFeome V8.1 Collection	51237	MZB1	NM_016459.3	Full Length 100% match
ccsbBroadEn_03252	ccsbBroad304_03252		BC001702	51241	COX16	no errors	hORFeome V8.1 Collection	51241	COX16	NM_016468.5	Full Length 100% match
ccsbBroadEn_03253	ccsbBroad304_03253		BC001716	51247	PAIP2	no errors	hORFeome V8.1 Collection	51247	PAIP2	NM_001033112.1	Full Length 100% match
ccsbBroadEn_03254	ccsbBroad304_03254		BC013608,BC133692	51249	TMEM69	no errors	hORFeome V8.1 Collection	51249	TMEM69	NM_016486.3	Full Length 100% match
ccsbBroadEn_03255	ccsbBroad304_03255		BC010899	51250	C6orf203	no errors	hORFeome V8.1 Collection	51250	C6orf203	NM_001142468.1	Full Length 100% match
ccsbBroadEn_03256	ccsbBroad304_03256		BC002803	51255	RNF181	no errors	hORFeome V8.1 Collection	51255	RNF181	NM_016494.3	Full Length 100% match
ccsbBroadEn_03257	ccsbBroad304_03257		BC007054	51256	TBC1D7	no errors	hORFeome V8.1 Collection	51256	TBC1D7	NM_001143965.2; NM_016495.4; NM_001143964.2	Full Length 100% match
ccsbBroadEn_03258	ccsbBroad304_03258		BC111388	51257	MARCH2	no errors	hORFeome V8.1 Collection	51257	MARCH2	NM_001005415.1; NM_016496.4	Full Length 100% match
ccsbBroadEn_03259	ccsbBroad304_03259		BC000191,BC014329	51258	MRPL51	no errors	hORFeome V8.1 Collection	51258	MRPL51	NM_016497.3	Full Length 100% match
ccsbBroadEn_03260	ccsbBroad304_03260		BC001220	51260	CXorf26	no errors	hORFeome V8.1 Collection	51260	CXorf26	NM_016500.3	Full Length 100% match
ccsbBroadEn_03261	ccsbBroad304_03261		BC001066,BC021986	51264	MRPL27	no errors	hORFeome V8.1 Collection	51264	MRPL27	NM_016504.2	Full Length 100% match
ccsbBroadEn_03262	ccsbBroad304_03262		BC041799	51265	CDKL3	no errors	hORFeome V8.1 Collection	51265	CDKL3	NM_001113575.1	Full Length 100% match
ccsbBroadEn_03263	ccsbBroad304_03263		BC039072	51267	CLEC1A	no errors	hORFeome V8.1 Collection	51267	CLEC1A	NM_016511.2	Full Length 100% match
ccsbBroadEn_03264	ccsbBroad304_03264		BC098141	51271	UBAP1	no errors	hORFeome V8.1 Collection	51271	UBAP1	NM_001171204.2; NM_016525.4; NM_001171203.2	Full Length 100% match
ccsbBroadEn_03265	ccsbBroad304_03265		BC003054	51283	BFAR	no errors	hORFeome V8.1 Collection	51283	BFAR	NM_016561.2	Full Length 100% match
ccsbBroadEn_03266	ccsbBroad304_03266		BC000887	51290	ERGC2	no errors	hORFeome V8.1 Collection	51290	ERGC2	NM_016570.2	Full Length 100% match
ccsbBroadEn_03267	ccsbBroad304_03267		BC126436	51291	GMIP	no errors	hORFeome V8.1 Collection	51291	GMIP	NM_016573.2	Full Length 100% match
ccsbBroadEn_03268	ccsbBroad304_03268		BC008021,BC009832	51292	GMPR2	no errors	hORFeome V8.1 Collection	51292	GMPR2	NM_001002000.1; NM_001002001.1; NM_001002002.1	Full Length 100% match
ccsbBroadEn_03269	ccsbBroad304_03269		BC000668,BC007083	51293	CD320	no errors	hORFeome V8.1 Collection	51293	CD320	NM_016579.3	Full Length 100% match
ccsbBroadEn_03270	ccsbBroad304_03270		BC000193,BC005119	51295	ECSIT	no errors	hORFeome V8.1 Collection	51295	ECSIT	NM_016581.3	Full Length 100% match
ccsbBroadEn_03271	ccsbBroad304_03271		BC008279	51295	ECSIT	no errors	hORFeome V8.1 Collection	51295	ECSIT	NM_001142464.1	Full Length 100% match
ccsbBroadEn_03272	ccsbBroad304_03272		BC012549	51297	PLUNC	no errors	hORFeome V8.1 Collection	51297	PLUNC	NM_016583.3; NM_130852.2	Full Length 100% match
ccsbBroadEn_03273	ccsbBroad304_03273		BC028574	51298	THEG	no errors	hORFeome V8.1 Collection	51298	THEG	NM_016585.3	Full Length 100% match
ccsbBroadEn_03274	ccsbBroad304_03274		BC002683,BC042019	51299	NRN1	no errors	hORFeome V8.1 Collection	51299	NRN1	NM_016588.2	Full Length 100% match
ccsbBroadEn_03275	ccsbBroad304_03275		BC012341	51300	C3orf1	no errors	hORFeome V8.1 Collection	51300	C3orf1	NM_016589.3	Full Length 100% match
ccsbBroadEn_03276	ccsbBroad304_03276		BC027973	51303	FKBP11	no errors	hORFeome V8.1 Collection	51303	FKBP11	NM_016594.2	Full Length 100% match
ccsbBroadEn_03277	ccsbBroad304_03277	454	BC075079	51305	KCNK9	no errors	hORFeome V8.1 Collection	51305	KCNK9	NM_016601.2	Full Length 100% match
ccsbBroadEn_03278	ccsbBroad304_03278		BC000259,BC052993	51307	FAM53C	no errors	hORFeome V8.1 Collection	51307	FAM53C	NM_016605.2; NM_001135647.1	Full Length 100% match
ccsbBroadEn_03279	ccsbBroad304_03279		BC006218	51308	REEP2	no errors	hORFeome V8.1 Collection	51308	REEP2	NM_016606.2	Full Length 100% match
ccsbBroadEn_03280	ccsbBroad304_03280		BC002691	51309	ARMCX1	no errors	hORFeome V8.1 Collection	51309	ARMCX1	NM_016608.1	Full Length 100% match
ccsbBroadEn_03281	ccsbBroad304_03281		BC015927	51315	KRCC1	no errors	hORFeome V8.1 Collection	51315	KRCC1	NM_016618.1	Full Length 100% match
ccsbBroadEn_03282	ccsbBroad304_03282		BC015714	51317	PHF21A	no errors	hORFeome V8.1 Collection	51317	PHF21A	NM_001101802.1	Full Length 100% match
ccsbBroadEn_03283	ccsbBroad304_03283		BC006982	51319	RSRC1	no errors	hORFeome V8.1 Collection	51319	RSRC1	NM_016625.2	Full Length 100% match
ccsbBroadEn_03284	ccsbBroad304_03284		BC000244	51324	SPG21	no errors	hORFeome V8.1 Collection	51324	SPG21	NM_016630.3; NM_001127889.1	Full Length 100% match
ccsbBroadEn_03285	ccsbBroad304_03285		BC035842	51327	AHSP	no errors	hORFeome V8.1 Collection	51327	AHSP	NM_016633.2	Full Length 100% match
ccsbBroadEn_03286	ccsbBroad304_03286		BC020648	51338	MS4A4A	no errors	hORFeome V8.1 Collection	51338	MS4A4A	NM_148975.1	Full Length 100% match
ccsbBroadEn_03287	ccsbBroad304_03287		BC013413	51343	FZR1	no errors	hORFeome V8.1 Collection	51343	FZR1	NM_016263.3	Full Length 100% match
ccsbBroadEn_03288	ccsbBroad304_03288		BC011621	51361	HOOK1	no errors	hORFeome V8.1 Collection	51361	HOOK1	NM_015888.4	Full Length 100% match
ccsbBroadEn_03289	ccsbBroad304_03289		BC075813	51363	CHST15	no errors	hORFeome V8.1 Collection	51363	CHST15	NM_015892.3	Full Length 100% match
ccsbBroadEn_03290	ccsbBroad304_03290		BC008742	51368	TEX264	no errors	hORFeome V8.1 Collection	51368	TEX264	NM_001129884.1; NM_015926.4	Full Length 100% match
ccsbBroadEn_03291	ccsbBroad304_03291		BC003390,BC014334	51371	POMP	no errors	hORFeome V8.1 Collection	51371	POMP	NM_015932.5	Full Length 100% match
ccsbBroadEn_03292	ccsbBroad304_03292		BC054031	51373	MRPS17	no errors	hORFeome V8.1 Collection	51373	MRPS17	NM_015969.2	Full Length 100% match
ccsbBroadEn_03293	ccsbBroad304_03293		BC002846,BC035850	51374	C2orf28	no errors	hORFeome V8.1 Collection	51374	C2orf28	NM_016085.4	Full Length 100% match
ccsbBroadEn_03294	ccsbBroad304_03294		BC015521	51377	UCHL5	no errors	hORFeome V8.1 Collection	51377	UCHL5	NM_001199261.1	Full Length 100% match
ccsbBroadEn_03295	ccsbBroad304_03295	454	BC104919	51384	WNT16	no errors	hORFeome V8.1 Collection	51384	WNT16	NM_057168.1	Full Length 100% match
ccsbBroadEn_03296	ccsbBroad304_03296		BC001101,BC007510	51386	EIF3L	no errors	hORFeome V8.1 Collection	51386	EIF3L	NM_016091.2	Full Length 100% match
ccsbBroadEn_03297	ccsbBroad304_03297		BC015941	51388	NIP7	no errors	hORFeome V8.1 Collection	51388	NIP7	NM_016101.4	Full Length 100% match
ccsbBroadEn_03298	ccsbBroad304_03298		BC025278	51390	AIG1	no errors	hORFeome V8.1 Collection	51390	AIG1	NM_016108.2	Full Length 100% match
ccsbBroadEn_03299	ccsbBroad304_03299		BC061912	51398	C19orf56	no errors	hORFeome V8.1 Collection	51398	C19orf56	NM_016145.3	Full Length 100% match
ccsbBroadEn_03300	ccsbBroad304_03300		BC003046,BC050705	51400	PPME1	no errors	hORFeome V8.1 Collection	51400	PPME1	NM_016147.1	Full Length 100% match
ccsbBroadEn_03301	ccsbBroad304_03301		BC023517	51406	NOL7	no errors	hORFeome V8.1 Collection	51406	NOL7	NM_016167.3	Full Length 100% match
ccsbBroadEn_03302	ccsbBroad304_03302		BC020944	51412	ACTL6B	no errors	hORFeome V8.1 Collection	51412	ACTL6B	NM_016188.4	Full Length 100% match
ccsbBroadEn_03303	ccsbBroad304_03303		BC020540	51422	PRKAG2	no errors	hORFeome V8.1 Collection	51422	PRKAG2	NM_024429.1	Full Length 100% match
ccsbBroadEn_03304	ccsbBroad304_03304		BC015476	51428	DDX41	no errors	hORFeome V8.1 Collection	51428	DDX41	NM_016222.2	Full Length 100% match
ccsbBroadEn_03305	ccsbBroad304_03305		BC001081	51433	ANAPC5	no errors	hORFeome V8.1 Collection	51433	ANAPC5	NM_016237.4	Full Length 100% match
ccsbBroadEn_03306	ccsbBroad304_03306		BC060811	51435	SCARA3	no errors	hORFeome V8.1 Collection	51435	SCARA3	NM_182826.1	Full Length 100% match
ccsbBroadEn_03307	ccsbBroad304_03307	454	BC047881	51439	FAM8A1	no errors	hORFeome V8.1 Collection	51439	FAM8A1	NM_016255.2	Full Length 100% match
ccsbBroadEn_03308	ccsbBroad304_03308		BC002559	51441	YTHDF2	no errors	hORFeome V8.1 Collection	51441	YTHDF2	NM_016258.2; NM_001173128.1	Full Length 100% match
ccsbBroadEn_03309	ccsbBroad304_03309		BC018107	51444	RNF138	no errors	hORFeome V8.1 Collection	51444	RNF138	NM_016271.4	Full Length 100% match
ccsbBroadEn_03310	ccsbBroad304_03310		BC001214	51451	LCMT1	no errors	hORFeome V8.1 Collection	51451	LCMT1	NM_016309.2	Full Length 100% match
ccsbBroadEn_03311	ccsbBroad304_03311		BC032358	51466	EVL	no errors	hORFeome V8.1 Collection	51466	EVL	NM_016337.2	Full Length 100% match
ccsbBroadEn_03312	ccsbBroad304_03312	454	BC110815	51474	LIMA1	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	51474	LIMA1	NM_016357.4	Full Length 100% match
ccsbBroadEn_03313	ccsbBroad304_03313		BC018952	51477	ISYNA1	no errors	hORFeome V8.1 Collection	51477	ISYNA1	NM_016368.4	Full Length 100% match
ccsbBroadEn_03314	ccsbBroad304_03314		BC007068	51478	HSD17B7	no errors	hORFeome V8.1 Collection	51478	HSD17B7	NM_016371.2	Full Length 100% match
ccsbBroadEn_03315	ccsbBroad304_03315		BC040106	51491	NOP16	no errors	hORFeome V8.1 Collection	51491	NOP16	NM_016391.4	Full Length 100% match
ccsbBroadEn_03316	ccsbBroad304_03316		BC002638	51499	TRIAP1	no errors	hORFeome V8.1 Collection	51499	TRIAP1	NM_016399.2	Full Length 100% match
ccsbBroadEn_03317	ccsbBroad304_03317		BC001677,BC015991	51501	C11orf73	no errors	hORFeome V8.1 Collection	51501	C11orf73	NM_016401.3	Full Length 100% match
ccsbBroadEn_03318	ccsbBroad304_03318		BC040946	51503	CWC15	no errors	hORFeome V8.1 Collection	51503	CWC15	NM_016403.3	Full Length 100% match
ccsbBroadEn_03319	ccsbBroad304_03319		BC017172	51504	TRMT112	no errors	hORFeome V8.1 Collection	51504	TRMT112	NM_016404.1	Full Length 100% match
ccsbBroadEn_03320	ccsbBroad304_03320		BC007457,BC021168	51510	CHMP5	no errors	hORFeome V8.1 Collection	51510	CHMP5	NM_016410.5	Full Length 100% match
ccsbBroadEn_03321	ccsbBroad304_03321		BC035853	51513	ETV7	no errors	hORFeome V8.1 Collection	51513	ETV7	NM_016135.2	Full Length 100% match
ccsbBroadEn_03322	ccsbBroad304_03322		BC016052	51517	NCKIPSD	no errors	hORFeome V8.1 Collection	51517	NCKIPSD	NM_184231.1	Full Length 100% match
ccsbBroadEn_03323	ccsbBroad304_03323	454	BC150213	51520	LARS	no errors	hORFeome V8.1 Collection	51520	LARS	NM_020117.9	Full Length 100% match
ccsbBroadEn_03324	ccsbBroad304_03324		BC002496,BC010086	51522	TMEM14C	no errors	hORFeome V8.1 Collection	51522	TMEM14C	NM_016462.3; NM_001165258.1	Full Length 100% match
ccsbBroadEn_03325	ccsbBroad304_03325		BC002490,BC017439	51523	CXXC5	no errors	hORFeome V8.1 Collection	51523	CXXC5	NM_016463.7	Full Length 100% match
ccsbBroadEn_03326	ccsbBroad304_03326		BC064973	51526	C2orf111	no errors	hORFeome V8.1 Collection	51526	C2orf111	NM_016470.6	Full Length 100% match



ccsbBroadEn_03327	ccsbBroad304_03327		BC004818	51527	C14orf129	no errors	hORFeome V8.1 Collection	51527	C14orf129	NM_016472.3	Full Length 100% match
ccsbBroadEn_03328	ccsbBroad304_03328	454	BC000607	51529	ANAPC11	no errors	hORFeome V8.1 Collection	51529	ANAPC11	NM_001002244.1	Full Length 100% match
ccsbBroadEn_03329	ccsbBroad304_03329		BC046132	51537	MTFP1	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	51537	MTFP1	NM_016498.3	Full Length 100% match
ccsbBroadEn_03330	ccsbBroad304_03330		BC007446,BC050609	51538	ZCCHC17	no errors	hORFeome V8.1 Collection	51538	ZCCHC17	NM_016505.2	Full Length 100% match
ccsbBroadEn_03331	ccsbBroad304_03331		BC030275	51542	VPS54	no errors	hORFeome V8.1 Collection	51542	VPS54	NM_001005739.1	Full Length 100% match
ccsbBroadEn_03332	ccsbBroad304_03332		BC005026	51548	SIRT6	no errors	hORFeome V8.1 Collection	51548	SIRT6	NM_016539.2	Full Length 100% match
ccsbBroadEn_03333	ccsbBroad304_03333		BC069438	51554	CCRL1	no errors	hORFeome V8.1 Collection	51554	CCRL1	NM_178445.1	Full Length 100% match
ccsbBroadEn_03334	ccsbBroad304_03334	454	BC052293	51559	NT5DC3	no errors	hORFeome V8.1 Collection	51559	NT5DC3	NM_001031701.2	Full Length 100% match
ccsbBroadEn_03335	ccsbBroad304_03335		BC005194	51566	ARMCX3	no errors	hORFeome V8.1 Collection	51566	ARMCX3	NM_177948.2; NM_016607.3; NM_177947.2	Full Length 100% match
ccsbBroadEn_03336	ccsbBroad304_03336		BC003599,BC017297	51571	FAM49B	no errors	hORFeome V8.1 Collection	51571	FAM49B	NM_016623.3	Full Length 100% match
ccsbBroadEn_03337	ccsbBroad304_03337		BC014981,BC025273	51573	GDE1	no errors	hORFeome V8.1 Collection	51573	GDE1	NM_016641.3	Full Length 100% match
ccsbBroadEn_03338	ccsbBroad304_03338		BC013420,BC019279	51582	AZIN1	no errors	hORFeome V8.1 Collection	51582	AZIN1	NM_148174.2; NM_015878.4	Full Length 100% match
ccsbBroadEn_03339	ccsbBroad304_03339		BC005890	51596	CUTA	no errors	hORFeome V8.1 Collection	51596	CUTA	NM_015921.2; NM_001014838.1; NM_001014837.1	Full Length 100% match
ccsbBroadEn_03340	ccsbBroad304_03340	454	BC047376	51599	LSR	no errors	hORFeome V8.1 Collection	51599	LSR	NM_205834.2	Full Length 100% match
ccsbBroadEn_03341	ccsbBroad304_03341		BC032592	51602	NOP58	no errors	hORFeome V8.1 Collection	51602	NOP58	NM_015934.3	Full Length 100% match
ccsbBroadEn_03342	ccsbBroad304_03342		BC001262	51605	TRMT6	no errors	hORFeome V8.1 Collection	51605	TRMT6	NM_015939.3	Full Length 100% match
ccsbBroadEn_03343	ccsbBroad304_03343	454	BC025275	51606	ATP6V1H	no errors	hORFeome V8.1 Collection	51606	ATP6V1H	NM_015941.2; NM_213620.1	Full Length 100% match
ccsbBroadEn_03344	ccsbBroad304_03344		BC003550	51608	GET4	no errors	hORFeome V8.1 Collection	51608	GET4	NM_015949.2	Full Length 100% match
ccsbBroadEn_03345	ccsbBroad304_03345		BC014014	51614	ERGIC3	no errors	hORFeome V8.1 Collection	51614	ERGIC3	NM_015966.2	Full Length 100% match
ccsbBroadEn_03346	ccsbBroad304_03346		BC002619	51617	HMP19	no errors	hORFeome V8.1 Collection	51617	HMP19	NM_015980.3	Full Length 100% match
ccsbBroadEn_03347	ccsbBroad304_03347		BC004104	51619	UBE2D4	no errors	hORFeome V8.1 Collection	51619	UBE2D4	NM_015983.3	Full Length 100% match
ccsbBroadEn_03348	ccsbBroad304_03348		BC006969	51626	DYNC2L1	no errors	hORFeome V8.1 Collection	51626	DYNC2L1	NM_001193464.1	Full Length 100% match
ccsbBroadEn_03349	ccsbBroad304_03349		BC017163,BC056886	51631	LUC7L2	no errors	hORFeome V8.1 Collection	51631	LUC7L2	NM_016019.2	Full Length 100% match
ccsbBroadEn_03350	ccsbBroad304_03350	454	BC033750	51634	RBMX2	no errors	hORFeome V8.1 Collection	51634	RBMX2	NM_016024.2	Full Length 100% match
ccsbBroadEn_03351	ccsbBroad304_03351		BC000637,BC007337	51635	DHRS7	no errors	hORFeome V8.1 Collection	51635	DHRS7	NM_016029.2	Full Length 100% match
ccsbBroadEn_03352	ccsbBroad304_03352		BC015463	51639	SF3B14	no errors	hORFeome V8.1 Collection	51639	SF3B14	NM_016047.3	Full Length 100% match
ccsbBroadEn_03353	ccsbBroad304_03353		BC003048	51645	PPIL1	no errors	hORFeome V8.1 Collection	51645	PPIL1	NM_016059.4	Full Length 100% match
ccsbBroadEn_03354	ccsbBroad304_03354		BC000242	51649	MRPS23	no errors	hORFeome V8.1 Collection	51649	MRPS23	NM_016070.3	Full Length 100% match
ccsbBroadEn_03355	ccsbBroad304_03355		BC015462	51650	MRPS33	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	51650	MRPS33	NM_053035.2; NM_016071.3	Full Length 100% match
ccsbBroadEn_03356	ccsbBroad304_03356		BC004419	51652	VPS24	no errors	hORFeome V8.1 Collection	51652	VPS24	NM_016079.3	Full Length 100% match
ccsbBroadEn_03357	ccsbBroad304_03357		BC018041	51655	RASD1	no errors	hORFeome V8.1 Collection	51655	RASD1	NM_016084.3	Full Length 100% match
ccsbBroadEn_03358	ccsbBroad304_03358		BC000810	51660	BRP44L	no errors	hORFeome V8.1 Collection	51660	BRP44L	NM_016098.2	Full Length 100% match
ccsbBroadEn_03359	ccsbBroad304_03359		BC009711	51661	FKBP7	no errors	hORFeome V8.1 Collection	51661	FKBP7	NM_181342.2	Full Length 100% match
ccsbBroadEn_03360	Failed LR reaction		BC014528	51665	ASB1	no errors	hORFeome V8.1 Collection	51665	ASB1	NM_001040445.1	Full Length 100% match
ccsbBroadEn_03361	ccsbBroad304_03361		BC113479,BC113481	51666	ASB4	no errors	hORFeome V8.1 Collection	51666	ASB4	NM_145872.1	Full Length 100% match
ccsbBroadEn_03362	ccsbBroad304_03362		BC015012	51669	TMEM66	no errors	hORFeome V8.1 Collection	51669	TMEM66	NM_016127.4	Full Length 100% match
ccsbBroadEn_03363	ccsbBroad304_03363		BC000691	51673	TPPP3	no errors	hORFeome V8.1 Collection	51673	TPPP3	NM_016140.2; NM_015964.2	Full Length 100% match
ccsbBroadEn_03364	ccsbBroad304_03364		BC032354	51676	ASB2	no errors	hORFeome V8.1 Collection	51676	ASB2	NM_016150.3	Full Length 100% match
ccsbBroadEn_03365	ccsbBroad304_03365		BC018621	51690	LSM7	no errors	hORFeome V8.1 Collection	51690	LSM7	NM_016199.2	Full Length 100% match
ccsbBroadEn_03366	ccsbBroad304_03366		BC000880	51699	VPS29	no errors	hORFeome V8.1 Collection	51699	VPS29	NM_057180.1	Full Length 100% match
ccsbBroadEn_03367	ccsbBroad304_03367	454	BC041592	51702	PADI3	no errors	hORFeome V8.1 Collection	51702	PADI3	NM_016233.2	Full Length 100% match
ccsbBroadEn_03368	ccsbBroad304_03368		BC034467	51704	GPRC5B	no errors	hORFeome V8.1 Collection	51704	GPRC5B	NM_016235.1	Full Length 100% match
ccsbBroadEn_03369	ccsbBroad304_03369		BC018732	51706	CYB5R1	no errors	hORFeome V8.1 Collection	51706	CYB5R1	NM_016243.2	Full Length 100% match
ccsbBroadEn_03370	ccsbBroad304_03370		BC006012,BC026350	51714	SELT	early stop codon	hORFeome V8.1 Mutant Subcollection	51714	SELT	NM_016275.3	Full Length 100% match
ccsbBroadEn_03371	ccsbBroad304_03371		BC015021	51715	RAB23	no errors	hORFeome V8.1 Collection	51715	RAB23	NM_016277.3; NM_183227.1	Full Length 100% match
ccsbBroadEn_03372	ccsbBroad304_03372	454	BC020570	51719	CAB39	no errors	hORFeome V8.1 Collection	51719	CAB39	NM_001130849.1; NM_001130850.1; NM_016289.3	Full Length 100% match
ccsbBroadEn_03373	ccsbBroad304_03373		BC109275	51725	FBXO40	no errors	hORFeome V8.1 Collection	51725	FBXO40	NM_016298.3	Full Length 100% match
ccsbBroadEn_03374	ccsbBroad304_03374		BC001144	51726	DNAJB11	no errors	hORFeome V8.1 Collection	51726	DNAJB11	NM_016306.4	Full Length 100% match
ccsbBroadEn_03375	ccsbBroad304_03375		BC001621,BC023532	51729	WBP11	no errors	hORFeome V8.1 Collection	51729	WBP11	NM_016312.2	Full Length 100% match
ccsbBroadEn_03376	ccsbBroad304_03376		BC003127	51734	SEPX1	early stop codon	hORFeome V8.1 Mutant Subcollection	51734	SEPX1	NM_016332.2	Full Length 100% match
ccsbBroadEn_03377	ccsbBroad304_03377		BC028073,BC053985	51744	CD244	no errors	hORFeome V8.1 Collection	51744	CD244	NM_016382.3	Full Length 100% match
ccsbBroadEn_03378	ccsbBroad304_03378	454	BC030775	51752	ERAP1	no errors	hORFeome V8.1 Collection	51752	ERAP1	NM_001040458.1; NM_001198541.1	Full Length 100% match
ccsbBroadEn_03379	ccsbBroad304_03379		BC007664	51759	C9orf78	no errors	hORFeome V8.1 Collection	51759	C9orf78	NM_016520.2	Full Length 100% match
ccsbBroadEn_03380	ccsbBroad304_03380		BC020654	51762	RAB8B	no errors	hORFeome V8.1 Collection	51762	RAB8B	NM_016530.2	Full Length 100% match
ccsbBroadEn_03381	ccsbBroad304_03381		BC004362	51763	INPP5K	no errors	hORFeome V8.1 Collection	51763	INPP5K	NM_016532.3	Full Length 100% match
ccsbBroadEn_03382	ccsbBroad304_03382		BC001401	51776	ZAK	no errors	hORFeome V8.1 Collection	51776	ZAK	NM_133646.2	Full Length 100% match
ccsbBroadEn_03383	ccsbBroad304_03383		BC005195,BC020932	51778	MYOZ2	no errors	hORFeome V8.1 Collection	51778	MYOZ2	NM_016599.3	Full Length 100% match
ccsbBroadEn_03384	ccsbBroad304_03384		BC027614	53336	CPXCR1	no errors	hORFeome V8.1 Collection	53336	CPXCR1	NM_033048.5; NM_001184771.1	Full Length 100% match
ccsbBroadEn_03385	ccsbBroad304_03385		BC028097	53339	BTBD1	no errors	hORFeome V8.1 Collection	53339	BTBD1	NM_025238.3	Full Length 100% match
ccsbBroadEn_03386	ccsbBroad304_03386		BC032457	53340	SPA17	no errors	hORFeome V8.1 Collection	53340	SPA17	NM_017425.3	Full Length 100% match
ccsbBroadEn_03387	ccsbBroad304_03387		BC000542	53343	NUDT9	no errors	hORFeome V8.1 Collection	53343	NUDT9	NM_024047.3	Full Length 100% match
ccsbBroadEn_03388	ccsbBroad304_03388		BC053520	53349	ZFYVE1	no errors	hORFeome V8.1 Collection	53349	ZFYVE1	NM_021260.2	Full Length 100% match
ccsbBroadEn_03389	ccsbBroad304_03389	454	BC150203	53373	TPCN1	no errors	hORFeome V8.1 Collection	53373	TPCN1	NM_017901.4	Full Length 100% match
ccsbBroadEn_03390	ccsbBroad304_03390		BC035968	53405	CLIC5	no errors	hORFeome V8.1 Collection	53405	CLIC5	NM_016929.3	Full Length 100% match
ccsbBroadEn_03391	ccsbBroad304_03391		BC098277	53632	PRKAG3	no errors	hORFeome V8.1 Collection	53632	PRKAG3	NM_017431.2	Full Length 100% match
ccsbBroadEn_03392	ccsbBroad304_03392		BC018619	53822	FXYP7	no errors	hORFeome V8.1 Collection	53822	FXYP7	NM_022006.1	Full Length 100% match
ccsbBroadEn_03393	ccsbBroad304_03393		BC018652	53826	FXYP6	no errors	hORFeome V8.1 Collection	53826	FXYP6	NM_022003.2; NM_001164831.1; NM_001164832.1; NM_001164836.1	Full Length 100% match
ccsbBroadEn_03394	ccsbBroad304_03394		BC020614	53831	GPR84	no errors	hORFeome V8.1 Collection	53831	GPR84	NM_020370.2	Full Length 100% match
ccsbBroadEn_03395	ccsbBroad304_03395		BC063696	53833	IL20RB	no errors	hORFeome V8.1 Collection	53833	IL20RB	NM_144717.3	Full Length 100% match
ccsbBroadEn_03396	ccsbBroad304_03396		BC036769	53834	FGFRL1	no errors	hORFeome V8.1 Collection	53834	FGFRL1	NM_001004358.1; NM_021923.3	Full Length 100% match
ccsbBroadEn_03397	ccsbBroad304_03397	454	BC038405	53841	CDHR5	no errors	hORFeome V8.1 Collection	53841	CDHR5	NM_031264.3	Full Length 100% match
ccsbBroadEn_03398	ccsbBroad304_03398		BC130613,CCSB53324	53944	CSNK1G1	no errors	hORFeome V8.1 Collection	53944	CSNK1G1	NM_022048.3	Full Length 100% match
ccsbBroadEn_03399	ccsbBroad304_03399		BC017068	53947	A4GALT	no errors	hORFeome V8.1 Collection	53947	A4GALT	NM_017436.4	Full Length 100% match



ccsbBroadEn_03400	ccsbBroad304_03400		I	BC030196	54033	RBM11	no errors	hORFeome V8.1 Collection	54033	RBM11	NM_144770.3	Full Length 100% match
ccsbBroadEn_03401	ccsbBroad304_03401	454	I	BC119770,BC131553	54059	YBEY	no errors	hORFeome V8.1 Collection	54059	YBEY	NM_001006114.1	Full Length 100% match
ccsbBroadEn_03402	ccsbBroad304_03402		I	BC015596	54065	FAM165B	no errors	hORFeome V8.1 Collection	54065	FAM165B	NM_058182.4	Full Length 100% match
ccsbBroadEn_03403	ccsbBroad304_03403		I	BC042917	54069	C21orf45	no errors	hORFeome V8.1 Collection	54069	C21orf45	NM_018944.2	Full Length 100% match
ccsbBroadEn_03404	ccsbBroad304_03404		I	BC003166	54107	POLE3	no errors	hORFeome V8.1 Collection	54107	POLE3	NM_017443.4	Full Length 100% match
ccsbBroadEn_03405	ccsbBroad304_03405		I	BC015891	54108	CHRAC1	no errors	hORFeome V8.1 Collection	54108	CHRAC1	NM_017444.4	Full Length 100% match
ccsbBroadEn_03406	ccsbBroad304_03406		I	BC005299,BC022330	54205	CYCS	no errors	hORFeome V8.1 Collection	54205	CYCS	NM_018947.5	Full Length 100% match
ccsbBroadEn_03407	ccsbBroad304_03407		I	BC017773	54210	TREM1	no errors	hORFeome V8.1 Collection	54210	TREM1	NM_018643.2	Full Length 100% match
ccsbBroadEn_03408	ccsbBroad304_03408		I	BC020774,BC060856	54331	GNG2	no errors	hORFeome V8.1 Collection	54331	GNG2	NM_053064.3	Full Length 100% match
ccsbBroadEn_03409	ccsbBroad304_03409		I	BC024939	54332	GDAP1	no errors	hORFeome V8.1 Collection	54332	GDAP1	NM_001040875.1	Full Length 100% match
ccsbBroadEn_03410	ccsbBroad304_03410		I	BC104202	54344	DPM3	no errors	hORFeome V8.1 Collection	54344	DPM3	NM_018973.3	Full Length 100% match
ccsbBroadEn_03411	ccsbBroad304_03411		I	BC098248	54346	UNC93A	no errors	hORFeome V8.1 Collection	54346	UNC93A	NM_001143947.1	Full Length 100% match
ccsbBroadEn_03412	ccsbBroad304_03412		I	BC113665,BC113667	54363	HAO1	no errors	hORFeome V8.1 Collection	54363	HAO1	NM_017545.2	Full Length 100% match
ccsbBroadEn_03413	ccsbBroad304_03413		I	BC040342	54407	SLC38A2	no errors	hORFeome V8.1 Collection	54407	SLC38A2	NM_018976.4	Full Length 100% match
ccsbBroadEn_03414	ccsbBroad304_03414		I	BC064590	54432	YIPF1	no errors	hORFeome V8.1 Collection	54432	YIPF1	NM_018982.4	Full Length 100% match
ccsbBroadEn_03415	ccsbBroad304_03415		I	BC119005	54438	GFOD1	no errors	hORFeome V8.1 Collection	54438	GFOD1	NM_018988.2	Full Length 100% match
ccsbBroadEn_03416	ccsbBroad304_03416		I	BC063864	54455	FBXO42	no errors	hORFeome V8.1 Collection	54455	FBXO42	NM_018994.1	Full Length 100% match
ccsbBroadEn_03417	ccsbBroad304_03417		I	BC004566,BC006554	54460	MRPS21	no errors	hORFeome V8.1 Collection	54460	MRPS21	NM_031901.4; NM_018997.2	Full Length 100% match
ccsbBroadEn_03418	ccsbBroad304_03418		I	BC005283	54469	ZFAND6	no errors	hORFeome V8.1 Collection	54469	ZFAND6	NM_019006.2	Full Length 100% match
ccsbBroadEn_03419	ccsbBroad304_03419		I	BC007677	54470	ARMCX6	no errors	hORFeome V8.1 Collection	54470	ARMCX6	NM_019007.3; NM_001009584.1; NM_001184768.1	Full Length 100% match
ccsbBroadEn_03420	ccsbBroad304_03420		I	BC012057,BC018272	54472	TOLLIP	no errors	hORFeome V8.1 Collection	54472	TOLLIP	NM_019009.3	Full Length 100% match
ccsbBroadEn_03421	ccsbBroad304_03421		I	BC031559	54474	KRT20	no errors	hORFeome V8.1 Collection	54474	KRT20	NM_019010.2	Full Length 100% match
ccsbBroadEn_03422	ccsbBroad304_03422		I	BC005004	54478	FAM64A	no errors	hORFeome V8.1 Collection	54478	FAM64A	NM_001195228.1	Full Length 100% match
ccsbBroadEn_03423	ccsbBroad304_03423		I	BC013966	54478	FAM64A	no errors	hORFeome V8.1 Collection	54478	FAM64A	NM_019013.2	Full Length 100% match
ccsbBroadEn_03424	ccsbBroad304_03424		I	BC011524	54491	FAM105A	no errors	hORFeome V8.1 Collection	54491	FAM105A	NM_019018.2	Full Length 100% match
ccsbBroadEn_03425	ccsbBroad304_03425		I	BC071695	54494	C11orf71	no errors	hORFeome V8.1 Collection	54494	C11orf71	NM_019021.2	Full Length 100% match
ccsbBroadEn_03426	ccsbBroad304_03426		I	BC056152	54503	ZDHHC13	no errors	hORFeome V8.1 Collection	54503	ZDHHC13	NM_019028.2	Full Length 100% match
ccsbBroadEn_03427	ccsbBroad304_03427		I	BC024194	54511	HMGCLL1	no errors	hORFeome V8.1 Collection	54511	HMGCLL1	NM_001042406.1	Full Length 100% match
ccsbBroadEn_03428	ccsbBroad304_03428		I	BC002777	54512	EXOSC4	no errors	hORFeome V8.1 Collection	54512	EXOSC4	NM_019037.2	Full Length 100% match
ccsbBroadEn_03429	ccsbBroad304_03429		I	BC014428	54516	MTRF1L	no errors	hORFeome V8.1 Collection	54516	MTRF1L	NM_001114184.1	Full Length 100% match
ccsbBroadEn_03430	ccsbBroad304_03430		I	BC062346	54522	ANKRD16	no errors	hORFeome V8.1 Collection	54522	ANKRD16	NM_019046.2; NM_001009941.2	Full Length 100% match
ccsbBroadEn_03431	ccsbBroad304_03431		I	BC051863	54537	FAM35A	no errors	hORFeome V8.1 Collection	54537	FAM35A	NM_019054.2	Full Length 100% match
ccsbBroadEn_03432	ccsbBroad304_03432		I	BC010665	54539	NDUFB11	no errors	hORFeome V8.1 Collection	54539	NDUFB11	NM_001135998.1	Full Length 100% match
ccsbBroadEn_03433	ccsbBroad304_03433		I	BC007714,BC015236	54541	DDIT4	no errors	hORFeome V8.1 Collection	54541	DDIT4	NM_019058.2	Full Length 100% match
ccsbBroadEn_03434	ccsbBroad304_03434		I	BC001732	54543	TOMM7	no errors	hORFeome V8.1 Collection	54543	TOMM7	NM_019059.2	Full Length 100% match
ccsbBroadEn_03435	ccsbBroad304_03435		I	BC011720	54552	GNL3L	no errors	hORFeome V8.1 Collection	54552	GNL3L	NM_019067.5; NM_001184819.1	Full Length 100% match
ccsbBroadEn_03436	ccsbBroad304_03436	454	I	BC043494	54554	WDR5B	no errors	hORFeome V8.1 Collection	54554	WDR5B	NM_019069.3	Full Length 100% match
ccsbBroadEn_03437	ccsbBroad304_03437		I	BC002674	54555	DDX49	no errors	hORFeome V8.1 Collection	54555	DDX49	NM_019070.4	Full Length 100% match
ccsbBroadEn_03438	ccsbBroad304_03438		I	BC012044	54557	SGTB	no errors	hORFeome V8.1 Collection	54557	SGTB	NM_019072.2	Full Length 100% match
ccsbBroadEn_03439	ccsbBroad304_03439		I	BC012060	54584	GNB1L	no errors	hORFeome V8.1 Collection	54584	GNB1L	NM_053004.2	Full Length 100% match
ccsbBroadEn_03440	ccsbBroad304_03440		I	BC042483	54585	LZTFL1	no errors	hORFeome V8.1 Collection	54585	LZTFL1	NM_020347.2	Full Length 100% match
ccsbBroadEn_03441	ccsbBroad304_03441		I	BC058844	54600	UGT1A9	no errors	hORFeome V8.1 Collection	54600	UGT1A9	NM_021027.2	Full Length 100% match
ccsbBroadEn_03442	ccsbBroad304_03442	454	I	BC146785	54617	INO80	no errors	hORFeome V8.1 Collection	54617	INO80	NM_017553.1	Full Length 100% match
ccsbBroadEn_03443	ccsbBroad304_03443		I	BC043175	54619	CCNJ	no errors	hORFeome V8.1 Collection	54619	CCNJ	NM_019084.4	Full Length 100% match
ccsbBroadEn_03444	ccsbBroad304_03444		I	BC000017,BC013402	54623	PAF1	no errors	hORFeome V8.1 Collection	54623	PAF1	NM_019088.2	Full Length 100% match
ccsbBroadEn_03445	ccsbBroad304_03445		I	BC128415	54658	UGT1A1	no errors	hORFeome V8.1 Collection	54658	UGT1A1	NM_000463.2	Full Length 100% match
ccsbBroadEn_03446	ccsbBroad304_03446		I	BC132688,BC132690	54700	RRN3	no errors	hORFeome V8.1 Collection	54700	RRN3	NM_018427.3	Full Length 100% match
ccsbBroadEn_03447	ccsbBroad304_03447		I	BC047619,BC098343	54704	PDP1	no errors	hORFeome V8.1 Collection	54704	PDP1	NM_001161781.1; NM_018444.3	Full Length 100% match
ccsbBroadEn_03448	ccsbBroad304_03448		I	BC015480	54708	MARCH5	no errors	hORFeome V8.1 Collection	54708	MARCH5	NM_017824.4	Full Length 100% match
ccsbBroadEn_03449	ccsbBroad304_03449		I	BC113691	54715	RBFOX1	no errors	hORFeome V8.1 Collection	54715	RBFOX1	NM_145893.2	Full Length 100% match
ccsbBroadEn_03450	ccsbBroad304_03450		I	BC001123	54732	TMED9	no errors	hORFeome V8.1 Collection	54732	TMED9	NM_017510.4	Full Length 100% match
ccsbBroadEn_03451	ccsbBroad304_03451		I	BC039195	54733	SLC35F2	no errors	hORFeome V8.1 Collection	54733	SLC35F2	NM_017515.4	Full Length 100% match
ccsbBroadEn_03452	ccsbBroad304_03452		I	BC028064	54734	RAB39	no errors	hORFeome V8.1 Collection	54734	RAB39	NM_017516.1	Full Length 100% match
ccsbBroadEn_03453	ccsbBroad304_03453	454	I	BC073156	54739	XAF1	no errors	hORFeome V8.1 Collection	54739	XAF1	NM_017523.2	Full Length 100% match
ccsbBroadEn_03454	ccsbBroad304_03454		I	BC056250	54741	LEPROT	no errors	hORFeome V8.1 Collection	54741	LEPROT	NM_017526.4	Full Length 100% match
ccsbBroadEn_03455	ccsbBroad304_03455		I	BC022969	54758	KLHDC4	no errors	hORFeome V8.1 Collection	54758	KLHDC4	NM_017566.3	Full Length 100% match
ccsbBroadEn_03456	ccsbBroad304_03456		I	BC132744,CCSB53212	54763	ROPN1	no errors	hORFeome V8.1 Collection	54763	ROPN1	NM_017578.2	Full Length 100% match
ccsbBroadEn_03457	ccsbBroad304_03457		I	BC008065	54769	DIRAS2	no errors	hORFeome V8.1 Collection	54769	DIRAS2	NM_017594.3	Full Length 100% match
ccsbBroadEn_03458	ccsbBroad304_03458		I	BC002820,BC017096	54784	ALKBH4	no errors	hORFeome V8.1 Collection	54784	ALKBH4	NM_017621.3	Full Length 100% match
ccsbBroadEn_03459	ccsbBroad304_03459		I	BC021216	54793	KCTD9	no errors	hORFeome V8.1 Collection	54793	KCTD9	NM_017634.3	Full Length 100% match
ccsbBroadEn_03460	ccsbBroad304_03460		I	BC002694	54797	MED18	no errors	hORFeome V8.1 Collection	54797	MED18	NM_001127350.1; NM_017638.2	Full Length 100% match
ccsbBroadEn_03461	ccsbBroad304_03461		I	BC109062	54811	ZNF562	no errors	hORFeome V8.1 Collection	54811	ZNF562	NM_001130031.1; NM_001130032.1	Full Length 100% match
ccsbBroadEn_03462	ccsbBroad304_03462		I	BC121009	54813	KLHL28	no errors	hORFeome V8.1 Collection	54813	KLHL28	NM_017658.3	Full Length 100% match
ccsbBroadEn_03463	ccsbBroad304_03463		I	BC001421	54820	NDE1	no errors	hORFeome V8.1 Collection	54820	NDE1	NM_017668.2; NM_001143979.1	Full Length 100% match
ccsbBroadEn_03464	ccsbBroad304_03464		I	BC016327	54830	NUP62CL	no errors	hORFeome V8.1 Collection	54830	NUP62CL	NM_017681.2	Full Length 100% match
ccsbBroadEn_03465	ccsbBroad304_03465		I	BC013132	54834	GDAP2	no errors	hORFeome V8.1 Collection	54834	GDAP2	NM_001135589.1	Full Length 100% match
ccsbBroadEn_03466	ccsbBroad304_03466	454	I	BC075084	54841	BIVM	no errors	hORFeome V8.1 Collection	54841	BIVM	NM_017693.3	Full Length 100% match
ccsbBroadEn_03467	ccsbBroad304_03467		I	BC105695	54848	ARHGEF38	no errors	hORFeome V8.1 Collection	54848	ARHGEF38	NM_017700.1	Full Length 100% match
ccsbBroadEn_03468	ccsbBroad304_03468		I	BC015482	54849	DEF8	no errors	hORFeome V8.1 Collection	54849	DEF8	NM_017702.2	Full Length 100% match
ccsbBroadEn_03469	ccsbBroad304_03469		I	BC017798	54851	ANKRD49	no errors	hORFeome V8.1 Collection	54851	ANKRD49	NM_017704.2	Full Length 100% match
ccsbBroadEn_03470	ccsbBroad304_03470		I	BC096716	54866	PPP1R14D	no errors	hORFeome V8.1 Collection	54866	PPP1R14D	NM_017726.7	Full Length 100% match
ccsbBroadEn_03471	ccsbBroad304_03471		I	BC015763	54869	EPS8L1	no errors	hORFeome V8.1 Collection	54869	EPS8L1	NM_017729.3	Full Length 100% match
ccsbBroadEn_03472	ccsbBroad304_03472		I	BC130340,BC130342	54870	QRICH1	no errors	hORFeome V8.1 Collection	54870	QRICH1	NM_198880.1; NM_017730.2	Full Length 100% match
ccsbBroadEn_03473	ccsbBroad304_03473		I	BC065501	54879	ST7L	no errors	hORFeome V8.1 Collection	54879	ST7L	NM_017744.4	Full Length 100% match
ccsbBroadEn_03474	ccsbBroad304_03474		I	BC022465	54886	LPPR1	no errors	hORFeome V8.1 Collection	54886	LPPR1	NM_017753.2; NM_207299.1	Full Length 100% match
ccsbBroadEn_03475	ccsbBroad304_03475	454	I	BC109028	54894	RNF43	no errors	hORFeome V8.1 Collection	54894	RNF43	NM_017763.4	Full Length 100% match
ccsbBroadEn_03476	ccsbBroad304_03476		I	BC015324	54896	PQLC2	no errors	hORFeome V8.1 Collection	54896	PQLC2	NM_001040126.1	Full Length 100% match
ccsbBroadEn_03477	ccsbBroad304_03477		I	BC121020	54901	CDKAL1	no errors	hORFeome V8.1 Collection	54901	CDKAL1	NM_017774.3	Full Length 100% match
ccsbBroadEn_03478	ccsbBroad304_03478		I	BC002497,BC007270	54913	RPP25	no errors	hORFeome V8.1 Collection	54913	RPP25	NM_017793.2	Full Length 100% match
ccsbBroadEn_03479	ccsbBroad304_03479	454	I	BC050284	54915	YTHDF1	no errors	hORFeome V8.1 Collection	54915	YTHDF1	NM_017798.3	Full Length 100% match
ccsbBroadEn_03480	Failed LR reaction		I	BC002797	54918	CMTM6	no errors	hORFeome V8.1 Collection	54918	CMTM6	NM_017801.2	Full Length 100% match
ccsbBroadEn_03481	ccsbBroad304_03481		I	BC006527	54920	DUS2L	no errors	hORFeome V8.1 Collection	54920	DUS2L	NM_017803.3	Full Length 100% match



ccsbBroadEn_03482	ccsbBroad304_03482		BC017016	54923	LIME1	no errors	hORFeome V8.1 Collection	54923	LIME1	NM_017806.2	Full Length 100% match
ccsbBroadEn_03483	ccsbBroad304_03483		BC004862,BC047584	54926	UBE2R2	no errors	hORFeome V8.1 Collection	54926	UBE2R2	NM_017811.3	Full Length 100% match
ccsbBroadEn_03484	ccsbBroad304_03484		BC011596,BC014839	54927	CHCHD3	no errors	hORFeome V8.1 Collection	54927	CHCHD3	NM_017812.2	Full Length 100% match
ccsbBroadEn_03485	ccsbBroad304_03485	454	BC017797	54928	IMPAD1	no errors	hORFeome V8.1 Collection	54928	IMPAD1	NM_017813.3	Full Length 100% match
ccsbBroadEn_03486	ccsbBroad304_03486		BC001916,BC002554	54930	HAUS4	no errors	hORFeome V8.1 Collection	54930	HAUS4	NM_017815.2; NM_001166269.1	Full Length 100% match
ccsbBroadEn_03487	ccsbBroad304_03487		BC001140	54935	DUSP23	no errors	hORFeome V8.1 Collection	54935	DUSP23	NM_017823.3	Full Length 100% match
ccsbBroadEn_03488	ccsbBroad304_03488	454	BC014169	54936	ADPRHL2	no errors	hORFeome V8.1 Collection	54936	ADPRHL2	NM_017825.2	Full Length 100% match
ccsbBroadEn_03489	ccsbBroad304_03489	454	BC068998	54939	COMMD4	no errors	hORFeome V8.1 Collection	54939	COMMD4	NM_017828.3 NM_017830.3;	Full Length 100% match
ccsbBroadEn_03490	ccsbBroad304_03490		BC003409	54940	OCIAD1	no errors	hORFeome V8.1 Collection	54940	OCIAD1	NM_001079839.2	Full Length 100% match
ccsbBroadEn_03491	ccsbBroad304_03491		BC015795	54942	C9orf6	no errors	hORFeome V8.1 Collection	54942	C9orf6	NM_017832.3	Full Length 100% match
ccsbBroadEn_03492	ccsbBroad304_03492		BC002472	54947	LPCAT2	no errors	hORFeome V8.1 Collection	54947	LPCAT2	NM_017839.4	Full Length 100% match
ccsbBroadEn_03493	ccsbBroad304_03493		BC001040	54948	MRPL16	no errors	hORFeome V8.1 Collection	54948	MRPL16	NM_017840.3	Full Length 100% match
ccsbBroadEn_03494	ccsbBroad304_03494		BC008371,BC015145	54951	COMMD8	no errors	hORFeome V8.1 Collection	54951	COMMD8	NM_017845.3	Full Length 100% match
ccsbBroadEn_03495	ccsbBroad304_03495		BC000680	54952	TRNAU1AP	no errors	hORFeome V8.1 Collection	54952	TRNAU1AP	NM_017846.4	Full Length 100% match
ccsbBroadEn_03496	ccsbBroad304_03496		BC006389	54956	PARP16	no errors	hORFeome V8.1 Collection	54956	PARP16	NM_017851.4	Full Length 100% match
ccsbBroadEn_03497	ccsbBroad304_03497		BC009646	54957	TXNL4B	no errors	hORFeome V8.1 Collection	54957	TXNL4B	NM_001142318.1; NM_017853.2; NM_001142317.1	Full Length 100% match
ccsbBroadEn_03498	ccsbBroad304_03498		BC003607,BC020785	54960	GEMIN8	no errors	hORFeome V8.1 Collection	54960	GEMIN8	NM_017856.2; NM_001042480.1;	Full Length 100% match
ccsbBroadEn_03499	ccsbBroad304_03499		BC000870	54962	TIPIN	no errors	hORFeome V8.1 Collection	54962	TIPIN	NM_017858.2	Full Length 100% match
ccsbBroadEn_03500	ccsbBroad304_03500		BC020662	54967	CXorf48	no errors	hORFeome V8.1 Collection	54967	CXorf48	NM_001031705.2	Full Length 100% match
ccsbBroadEn_03501	Failed LR reaction	454	BC114569	54972	TMEM132A	no errors	hORFeome V8.1 Collection	54972	TMEM132A	NM_178031.2	Full Length 100% match
ccsbBroadEn_03502	ccsbBroad304_03502		BC028081	54978	C2orf18	no errors	hORFeome V8.1 Collection	54978	C2orf18	NM_017877.3	Full Length 100% match
ccsbBroadEn_03503	ccsbBroad304_03503		BC036804	54981	C9orf95	no errors	hORFeome V8.1 Collection	54981	C9orf95	NM_001127603.1	Full Length 100% match
ccsbBroadEn_03504	ccsbBroad304_03504		BC010908	54987	C1orf123	no errors	hORFeome V8.1 Collection	54987	C1orf123	NM_017887.1	Full Length 100% match
ccsbBroadEn_03505	ccsbBroad304_03505		BC008202	54995	OXSM	no errors	hORFeome V8.1 Collection	54995	OXSM	NM_017897.2	Full Length 100% match
ccsbBroadEn_03506	ccsbBroad304_03506		BC062333	54998	AURKAIP1	no errors	hORFeome V8.1 Collection	54998	AURKAIP1	NM_017900.2; NM_001127229.1;	Full Length 100% match
ccsbBroadEn_03507	ccsbBroad304_03507		BC001706	55004	C11orf59	no errors	hORFeome V8.1 Collection	55004	C11orf59	NM_017907.2	Full Length 100% match
ccsbBroadEn_03508	ccsbBroad304_03508	454	BC009645,BC061637	55017	C14orf119	no errors	hORFeome V8.1 Collection	55017	C14orf119	NM_017924.2	Full Length 100% match
ccsbBroadEn_03509	ccsbBroad304_03509		BC109120	55030	FBXO34	no errors	hORFeome V8.1 Collection	55030	FBXO34	NM_017943.3; NM_152231.1	Full Length 100% match
ccsbBroadEn_03510	ccsbBroad304_03510		BC005206	55033	FKBP14	no errors	hORFeome V8.1 Collection	55033	FKBP14	NM_017946.2	Full Length 100% match
ccsbBroadEn_03511	ccsbBroad304_03511		BC013991,BC050695	55041	PLEKHB2	no errors	hORFeome V8.1 Collection	55041	PLEKHB2	NM_001100623.1	Full Length 100% match
ccsbBroadEn_03512	ccsbBroad304_03512		BC117337	55054	ATG16L1	no errors	hORFeome V8.1 Collection	55054	ATG16L1	NM_001190266.1	Full Length 100% match
ccsbBroadEn_03513	ccsbBroad304_03513		BC004888	55061	SUSD4	no errors	hORFeome V8.1 Collection	55061	SUSD4	NM_001037175.2	Full Length 100% match
ccsbBroadEn_03514	ccsbBroad304_03514		BC008675,BC041764	55069	C7orf42	no errors	hORFeome V8.1 Collection	55069	C7orf42	NM_017994.4	Full Length 100% match
ccsbBroadEn_03515	ccsbBroad304_03515		BC109060	55070	DET1	no errors	hORFeome V8.1 Collection	55070	DET1	NM_001144074.1	Full Length 100% match
ccsbBroadEn_03516	ccsbBroad304_03516	454	BC039588	55071	C9orf40	no errors	hORFeome V8.1 Collection	55071	C9orf40	NM_017998.2	Full Length 100% match
ccsbBroadEn_03517	ccsbBroad304_03517		BC040355	55076	TMEM45A	no errors	hORFeome V8.1 Collection	55076	TMEM45A	NM_018004.1	Full Length 100% match
ccsbBroadEn_03518	ccsbBroad304_03518		BC011899	55081	IFT57	no errors	hORFeome V8.1 Collection	55081	IFT57	NM_018010.3	Full Length 100% match
ccsbBroadEn_03519	ccsbBroad304_03519		BC105632	55088	C10orf118	no errors	hORFeome V8.1 Collection	55088	C10orf118	NM_018017.2	Full Length 100% match
ccsbBroadEn_03520	ccsbBroad304_03520		BC000202	55092	TMEM51	no errors	hORFeome V8.1 Collection	55092	TMEM51	NM_018022.2; NM_001136216.1; NM_001136217.1;	Full Length 100% match
ccsbBroadEn_03521	ccsbBroad304_03521		BC054518	55095	SAMD4B	no errors	hORFeome V8.1 Collection	55095	SAMD4B	NM_018028.2	Full Length 100% match
ccsbBroadEn_03522	ccsbBroad304_03522		BC051316	55096	EBLN2	no errors	hORFeome V8.1 Collection	55096	EBLN2	NM_018029.3	Full Length 100% match
ccsbBroadEn_03523	ccsbBroad304_03523	454	BC047391	55103	RALGPS2	no errors	hORFeome V8.1 Collection	55103	RALGPS2	NM_152663.3	Full Length 100% match
ccsbBroadEn_03524	ccsbBroad304_03524		BC003084,BC008966	55111	PLEKHJ1	no errors	hORFeome V8.1 Collection	55111	PLEKHJ1	NM_018049.1	Full Length 100% match
ccsbBroadEn_03525	ccsbBroad304_03525		BC013379,BC028564	55113	XKR8	no errors	hORFeome V8.1 Collection	55113	XKR8	NM_018053.2	Full Length 100% match
ccsbBroadEn_03526	ccsbBroad304_03526		BC080195	55114	ARHGAP17	no errors	hORFeome V8.1 Collection	55114	ARHGAP17	NM_001006634.1	Full Length 100% match
ccsbBroadEn_03527	ccsbBroad304_03527		BC070040	55117	SLC6A15	no errors	hORFeome V8.1 Collection	55117	SLC6A15	NM_182767.4	Full Length 100% match
ccsbBroadEn_03528	ccsbBroad304_03528		BC000764,BC005051	55122	AKIRIN2	no errors	hORFeome V8.1 Collection	55122	AKIRIN2	NM_018064.3 NM_018068.3;	Full Length 100% match
ccsbBroadEn_03529	ccsbBroad304_03529		BC025995	55124	PIWIL2	no errors	hORFeome V8.1 Collection	55124	PIWIL2	NM_001135721.1	Full Length 100% match
ccsbBroadEn_03530	ccsbBroad304_03530		BC013889	55131	RBM28	no errors	hORFeome V8.1 Collection	55131	RBM28	NM_018077.2	Full Length 100% match
ccsbBroadEn_03531	ccsbBroad304_03531		BC002336	55135	WRAP53	no errors	hORFeome V8.1 Collection	55135	WRAP53	NM_018081.2; NM_001143990.1; NM_001143991.1;	Full Length 100% match
ccsbBroadEn_03532	ccsbBroad304_03532		BC000238,BC008948	55139	ANKZF1	no errors	hORFeome V8.1 Collection	55139	ANKZF1	NM_018089.2; NM_001042410.1	Full Length 100% match
ccsbBroadEn_03533	ccsbBroad304_03533		BC000703,BC008079	55143	CDCA8	no errors	hORFeome V8.1 Collection	55143	CDCA8	NM_018101.2	Full Length 100% match
ccsbBroadEn_03534	ccsbBroad304_03534		BC021721	55145	THAP1	no errors	hORFeome V8.1 Collection	55145	THAP1	NM_018105.2	Full Length 100% match
ccsbBroadEn_03535	ccsbBroad304_03535		BC001239	55146	ZDHHC4	no errors	hORFeome V8.1 Collection	55146	ZDHHC4	NM_018106.3; NM_001134387.1; NM_001134388.1;	Full Length 100% match
ccsbBroadEn_03536	ccsbBroad304_03536		BC002535	55154	MSTO1	no errors	hORFeome V8.1 Collection	55154	MSTO1	NM_001134389.1	Full Length 100% match
ccsbBroadEn_03537	ccsbBroad304_03537		BC011607	55156	ARMC1	no errors	hORFeome V8.1 Collection	55156	ARMC1	NM_018116.2	Full Length 100% match
ccsbBroadEn_03538	ccsbBroad304_03538		BC045173	55157	DARS2	no errors	hORFeome V8.1 Collection	55157	DARS2	NM_018120.4	Full Length 100% match
ccsbBroadEn_03539	ccsbBroad304_03539		BC000948	55161	TMEM33	no errors	hORFeome V8.1 Collection	55161	TMEM33	NM_018122.4	Full Length 100% match
ccsbBroadEn_03540	ccsbBroad304_03540	454	BC093790	55167	MSL2	no errors	hORFeome V8.1 Collection	55167	MSL2	NM_018126.2	Full Length 100% match
ccsbBroadEn_03541	ccsbBroad304_03541		BC010364	55168	MRPS18A	no errors	hORFeome V8.1 Collection	55168	MRPS18A	NM_018133.3 NM_001134415.1;	Full Length 100% match
ccsbBroadEn_03542	ccsbBroad304_03542	454	BC025748	55171	TBCCD1	no errors	hORFeome V8.1 Collection	55171	TBCCD1	NM_018138.3	Full Length 100% match
ccsbBroadEn_03543	ccsbBroad304_03543		BC063844	55177	FAM82A2	no errors	hORFeome V8.1 Collection	55177	FAM82A2	NM_018145.1 NM_018147.2;	Full Length 100% match
ccsbBroadEn_03544	ccsbBroad304_03544		BC012478	55179	FAIM	no errors	hORFeome V8.1 Collection	55179	FAIM	NM_001033032.1	Full Length 100% match
ccsbBroadEn_03545	ccsbBroad304_03545		BC014064	55186	SLC25A36	no errors	hORFeome V8.1 Collection	55186	SLC25A36	NM_001104647.1	Full Length 100% match
ccsbBroadEn_03546	ccsbBroad304_03546		BC000048	55192	DNAJC17	no errors	hORFeome V8.1 Collection	55192	DNAJC17	NM_018163.2	Full Length 100% match
ccsbBroadEn_03547	ccsbBroad304_03547		BC032519	55199	FAM86C	no errors	hORFeome V8.1 Collection	55199	FAM86C	NM_152563.2	Full Length 100% match
ccsbBroadEn_03548	ccsbBroad304_03548		BC105961	55200	PLEKHG6	no errors	hORFeome V8.1 Collection	55200	PLEKHG6	NM_018173.3; NM_001144856.1	Full Length 100% match
ccsbBroadEn_03549	ccsbBroad304_03549		BC056669	55208	DCUN1D2	no errors	hORFeome V8.1 Collection	55208	DCUN1D2	NM_001014283.1	Full Length 100% match
ccsbBroadEn_03550	ccsbBroad304_03550		BC032691	55212	BBS7	no errors	hORFeome V8.1 Collection	55212	BBS7	NM_018190.2	Full Length 100% match
ccsbBroadEn_03551	ccsbBroad304_03551		BC025269	55217	TMLHE	no errors	hORFeome V8.1 Collection	55217	TMLHE	NM_001184797.1	Full Length 100% match



ccsbBroadEn_03552	ccsbBroad304_03552		BC001962	55218	EXD2	no errors	hORFeome V8.1 Collection	55218	EXD2	NM_018199.3	Full Length 100% match
ccsbBroadEn_03553	ccsbBroad304_03553		BC010082	55224	ETNK2	no errors	hORFeome V8.1 Collection	55224	ETNK2	NM_018208.2	Full Length 100% match
ccsbBroadEn_03554	ccsbBroad304_03554		BC035558	55226	NAT10	no errors	hORFeome V8.1 Collection	55226	NAT10	NM_024662.2	Full Length 100% match
ccsbBroadEn_03555	ccsbBroad304_03555	454	BC043496	55229	PANK4	no errors	hORFeome V8.1 Collection	55229	PANK4	NM_018216.1	Full Length 100% match
ccsbBroadEn_03556	ccsbBroad304_03556		BC002876	55234	SMU1	no errors	hORFeome V8.1 Collection	55234	SMU1	NM_018225.2	Full Length 100% match
ccsbBroadEn_03557	ccsbBroad304_03557		BC053325	55237	VRTN	no errors	hORFeome V8.1 Collection	55237	VRTN	NM_018228.2	Full Length 100% match
ccsbBroadEn_03558	ccsbBroad304_03558		BC001961	55238	SLC38A7	no errors	hORFeome V8.1 Collection	55238	SLC38A7	NM_018231.1	Full Length 100% match
ccsbBroadEn_03559	ccsbBroad304_03559		BC109192	55243	KIRREL	no errors	hORFeome V8.1 Collection	55243	KIRREL	NM_018240.5	Full Length 100% match
ccsbBroadEn_03560	ccsbBroad304_03560		BC010661	55244	SLC47A1	no errors	hORFeome V8.1 Collection	55244	SLC47A1	NM_018242.2	Full Length 100% match
ccsbBroadEn_03561	ccsbBroad304_03561		BC006320	55248	TMEM206	no errors	hORFeome V8.1 Collection	55248	TMEM206	NM_018252.2	Full Length 100% match
ccsbBroadEn_03562	ccsbBroad304_03562		BC014906	55249	YY1AP1	no errors	hORFeome V8.1 Collection	55249	YY1AP1	NM_139119.2; NM_001198901.1; NM_001198902.1	Full Length 100% match
ccsbBroadEn_03563	ccsbBroad304_03563		BC033665	55251	PCMTD2	no errors	hORFeome V8.1 Collection	55251	PCMTD2	NM_018257.2	Full Length 100% match
ccsbBroadEn_03564	ccsbBroad304_03564		BC040241	55255	WDR41	no errors	hORFeome V8.1 Collection	55255	WDR41	NM_018268.2	Full Length 100% match
ccsbBroadEn_03565	ccsbBroad304_03565		BC001467	55256	ADI1	no errors	hORFeome V8.1 Collection	55256	ADI1	NM_018269.3	Full Length 100% match
ccsbBroadEn_03566	ccsbBroad304_03566		BC009889,BC018841	55257	C20orf20	no errors	hORFeome V8.1 Collection	55257	C20orf20	NM_018270.4	Full Length 100% match
ccsbBroadEn_03567	ccsbBroad304_03567		BC057795	55259	CASC1	no errors	hORFeome V8.1 Collection	55259	CASC1	NM_001082973.1	Full Length 100% match
ccsbBroadEn_03568	ccsbBroad304_03568		BC016919	55260	TMEM143	no errors	hORFeome V8.1 Collection	55260	TMEM143	NM_018273.2	Full Length 100% match
ccsbBroadEn_03569	ccsbBroad304_03569		BC010128	55273	TMEM100	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	55273	TMEM100	NM_001099640.1	Full Length 100% match
ccsbBroadEn_03570	ccsbBroad304_03570		BC006084,BC014389	55278	QRSL1	no errors	hORFeome V8.1 Collection	55278	QRSL1	NM_018292.4	Full Length 100% match
ccsbBroadEn_03571	ccsbBroad304_03571		BC016326	55284	UBE2W	no errors	hORFeome V8.1 Collection	55284	UBE2W	NM_018299.3	Full Length 100% match
ccsbBroadEn_03572	ccsbBroad304_03572		BC037906	55286	C4orf19	no errors	hORFeome V8.1 Collection	55286	C4orf19	NM_001104629.1; NM_018302.2	Full Length 100% match
ccsbBroadEn_03573	ccsbBroad304_03573		BC010648	55290	BRF2	no errors	hORFeome V8.1 Collection	55290	BRF2	NM_018310.3	Full Length 100% match
ccsbBroadEn_03574	ccsbBroad304_03574		BC117244,BC117246	55294	FBXW7	no errors	hORFeome V8.1 Collection	55294	FBXW7	NM_033632.2	Full Length 100% match
ccsbBroadEn_03575	ccsbBroad304_03575		BC031642	55296	TBC1D19	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	55296	TBC1D19	NM_018317.2	Full Length 100% match
ccsbBroadEn_03576	ccsbBroad304_03576		BC005162,BC006544	55308	DDX19A	no errors	hORFeome V8.1 Collection	55308	DDX19A	NM_018332.3	Full Length 100% match
ccsbBroadEn_03577	ccsbBroad304_03577		BC054487	55314	TMEM144	no errors	hORFeome V8.1 Collection	55314	TMEM144	NM_018342.4	Full Length 100% match
ccsbBroadEn_03578	ccsbBroad304_03578	454	BC043344	55317	C20orf29	no errors	hORFeome V8.1 Collection	55317	C20orf29	NM_001204446.1; NM_001204447.1; NM_018347.2	Full Length 100% match
ccsbBroadEn_03579	ccsbBroad304_03579		BC006082,BC014018	55323	LARP6	no errors	hORFeome V8.1 Collection	55323	LARP6	NM_018357.2	Full Length 100% match
ccsbBroadEn_03580	ccsbBroad304_03580		BC051754	55324	ABCF3	no errors	hORFeome V8.1 Collection	55324	ABCF3	NM_018358.2	Full Length 100% match
ccsbBroadEn_03581	ccsbBroad304_03581		BC010493	55325	UFSP2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	55325	UFSP2	NM_018359.3	Full Length 100% match
ccsbBroadEn_03582	ccsbBroad304_03582	454	BC053907	55327	LIN7C	no errors	hORFeome V8.1 Collection	55327	LIN7C	NM_018362.3	Full Length 100% match
ccsbBroadEn_03583	ccsbBroad304_03583		BC018435	55332	DRAM1	no errors	hORFeome V8.1 Collection	55332	DRAM1	NM_018370.2	Full Length 100% match
ccsbBroadEn_03584	ccsbBroad304_03584		BC005202,BC017914	55335	NIPSNAP3B	no errors	hORFeome V8.1 Collection	55335	NIPSNAP3B	NM_018376.2	Full Length 100% match
ccsbBroadEn_03585	ccsbBroad304_03585		BC014414	55336	FBXL8	no errors	hORFeome V8.1 Collection	55336	FBXL8	NM_018378.2	Full Length 100% match
ccsbBroadEn_03586	ccsbBroad304_03586		BC013990	55339	WDR33	no errors	hORFeome V8.1 Collection	55339	WDR33	NM_001006622.2	Full Length 100% match
ccsbBroadEn_03587	ccsbBroad304_03587		BC014516	55347	ABHD10	no errors	hORFeome V8.1 Collection	55347	ABHD10	NM_018394.2	Full Length 100% match
ccsbBroadEn_03588	ccsbBroad304_03588		BC034016	55364	IMPACT	no errors	hORFeome V8.1 Collection	55364	IMPACT	NM_018439.3	Full Length 100% match
ccsbBroadEn_03589	ccsbBroad304_03589		BC008303	55365	TMEM176A	no errors	hORFeome V8.1 Collection	55365	TMEM176A	NM_018487.2	Full Length 100% match
ccsbBroadEn_03590	ccsbBroad304_03590	454	BC137167	55432	YOD1	no errors	hORFeome V8.1 Collection	55432	YOD1	NM_018566.3	Full Length 100% match
ccsbBroadEn_03591	ccsbBroad304_03591		BC066907	55500	ETNK1	no errors	hORFeome V8.1 Collection	55500	ETNK1	NM_018638.4	Full Length 100% match
ccsbBroadEn_03592	ccsbBroad304_03592		BC002918	55501	CHST12	no errors	hORFeome V8.1 Collection	55501	CHST12	NM_018641.3	Full Length 100% match
ccsbBroadEn_03593	ccsbBroad304_03593	454	BC007939	55502	HES6	no errors	hORFeome V8.1 Collection	55502	HES6	NM_018645.4	Full Length 100% match
ccsbBroadEn_03594	ccsbBroad304_03594	454	BC047321	55504	TNFRSF19	no errors	hORFeome V8.1 Collection	55504	TNFRSF19	NM_001204458.1; NM_148957.3	Full Length 100% match
ccsbBroadEn_03595	ccsbBroad304_03595		BC008886	55505	NOP10	no errors	hORFeome V8.1 Collection	55505	NOP10	NM_018648.3	Full Length 100% match
ccsbBroadEn_03596	ccsbBroad304_03596		BC016172	55506	H2AFY2	no errors	hORFeome V8.1 Collection	55506	H2AFY2	NM_018649.2	Full Length 100% match
ccsbBroadEn_03597	ccsbBroad304_03597		BC107077	55507	GPRC5D	no errors	hORFeome V8.1 Collection	55507	GPRC5D	NM_018654.1	Full Length 100% match
ccsbBroadEn_03598	ccsbBroad304_03598		BC008412,BC030504	55508	SLC35E3	no errors	hORFeome V8.1 Collection	55508	SLC35E3	NM_018656.2	Full Length 100% match
ccsbBroadEn_03599	ccsbBroad304_03599		BC117489,BC117491	55509	BATF3	no errors	hORFeome V8.1 Collection	55509	BATF3	NM_018664.2	Full Length 100% match
ccsbBroadEn_03600	ccsbBroad304_03600		BC112238	55512	SMPD3	no errors	hORFeome V8.1 Collection	55512	SMPD3	NM_018667.3	Full Length 100% match
ccsbBroadEn_03601	ccsbBroad304_03601		BC033892	55529	TMEM55A	no errors	hORFeome V8.1 Collection	55529	TMEM55A	NM_018710.2	Full Length 100% match
ccsbBroadEn_03602	ccsbBroad304_03602		BC033587	55530	SVOP	no errors	hORFeome V8.1 Collection	55530	SVOP	NM_018711.2	Full Length 100% match
ccsbBroadEn_03603	ccsbBroad304_03603		BC069507	55554	KLK15	no errors	hORFeome V8.1 Collection	55554	KLK15	NM_017509.2	Full Length 100% match
ccsbBroadEn_03604	ccsbBroad304_03604	454	BC001285	55556	ENOSF1	no errors	hORFeome V8.1 Collection	55556	ENOSF1	NM_017512.5	Full Length 100% match
ccsbBroadEn_03605	ccsbBroad304_03605		BC073848	55586	MIOX	no errors	hORFeome V8.1 Collection	55586	MIOX	NM_017584.5	Full Length 100% match
ccsbBroadEn_03606	ccsbBroad304_03606		BC020664	55600	ITLN1	no errors	hORFeome V8.1 Collection	55600	ITLN1	NM_017625.2	Full Length 100% match
ccsbBroadEn_03607	ccsbBroad304_03607		BC000683	55603	FAM46A	no errors	hORFeome V8.1 Collection	55603	FAM46A	NM_017633.2	Full Length 100% match
ccsbBroadEn_03608	ccsbBroad304_03608		BC007519	55611	OTUB1	no errors	hORFeome V8.1 Collection	55611	OTUB1	NM_017670.2	Full Length 100% match
ccsbBroadEn_03609	ccsbBroad304_03609		BC002492	55621	TRMT1	no errors	hORFeome V8.1 Collection	55621	TRMT1	NM_001136035.2; NM_017722.3	Full Length 100% match
ccsbBroadEn_03610	ccsbBroad304_03610		BC018302	55621	TRMT1	no errors	hORFeome V8.1 Collection	55621	TRMT1	NM_01142554.1	Full Length 100% match
ccsbBroadEn_03611	ccsbBroad304_03611		BC000448	55623	THUMPD1	no errors	hORFeome V8.1 Collection	55623	THUMPD1	NM_017736.3	Full Length 100% match
ccsbBroadEn_03612	ccsbBroad304_03612		BC001959	55629	PNRC2	no errors	hORFeome V8.1 Collection	55629; 100505603	PNRC2; LOC100505603	NM_017761.3; XM_003119071.1; XM_003119074.1; XM_003119076.1; XM_003119075.1; XM_003119077.1; XM_003119078.1; XM_003119079.1; XM_003119072.1; XM_003119073.1	Full Length 100% match
ccsbBroadEn_03613	Failed LR reaction		BC008586	55631	LRRRC40	no errors	hORFeome V8.1 Collection	55631	LRRRC40	NM_017768.4	Full Length 100% match
ccsbBroadEn_03614	ccsbBroad304_03614		BC000973	55632	G2E3	no errors	hORFeome V8.1 Collection	55632	G2E3	NM_017769.3	Full Length 100% match
ccsbBroadEn_03615	ccsbBroad304_03615		BC012569	55634	ZNF673	no errors	hORFeome V8.1 Collection	55634	ZNF673	NM_001129899.1	Full Length 100% match
ccsbBroadEn_03616	ccsbBroad304_03616		BC065304	55635	DEPDC1	no errors	hORFeome V8.1 Collection	55635	DEPDC1	NM_017779.4	Full Length 100% match
ccsbBroadEn_03617	ccsbBroad304_03617		BC019087	55640	FLVCR2	no errors	hORFeome V8.1 Collection	55640	FLVCR2	NM_017791.2	Full Length 100% match
ccsbBroadEn_03618	ccsbBroad304_03618		BC032310	55644	OSGEP	no errors	hORFeome V8.1 Collection	55644	OSGEP	NM_017807.3	Full Length 100% match
ccsbBroadEn_03619	ccsbBroad304_03619		BC015796	55646	LYAR	no errors	hORFeome V8.1 Collection	55646	LYAR	NM_017816.2; NM_001145725.1	Full Length 100% match
ccsbBroadEn_03620	ccsbBroad304_03620		BC013568	55650	PIGV	no errors	hORFeome V8.1 Collection	55650	PIGV	NM_017837.2	Full Length 100% match
ccsbBroadEn_03621	ccsbBroad304_03621		BC000009,BC006387	55651	NHP2	no errors	hORFeome V8.1 Collection	55651	NHP2	NM_017838.3	Full Length 100% match
ccsbBroadEn_03622	ccsbBroad304_03622		BC026344,BC065033	55652	SLC48A1	no errors	hORFeome V8.1 Collection	55652	SLC48A1	NM_017842.2	Full Length 100% match
ccsbBroadEn_03623	ccsbBroad304_03623	454	BC002948	55657	ZNF692	no errors	hORFeome V8.1 Collection	55657	ZNF692	NM_017865.3	Full Length 100% match
ccsbBroadEn_03624	ccsbBroad304_03624		BC000130	55659	ZNF416	no errors	hORFeome V8.1 Collection	55659	ZNF416	NM_017879.1	Full Length 100% match
ccsbBroadEn_03625	ccsbBroad304_03625		BC007719	55662	HIF1AN	no errors	hORFeome V8.1 Collection	55662	HIF1AN	NM_017902.2	Full Length 100% match
ccsbBroadEn_03626	ccsbBroad304_03626		BC040557	55669	MFN1	no errors	hORFeome V8.1 Collection	55669	MFN1	NM_033540.2	Full Length 100% match



ccsbBroadEn_03627	ccsbBroad304_03627		BC041092	55680	RUFY2	no errors	hORFeome V8.1 Collection	55680	RUFY2	NM_001042417.1	Full Length 100% match
ccsbBroadEn_03628	ccsbBroad304_03628	454	BC063798	55681	SCYL2	no errors	hORFeome V8.1 Collection	55681	SCYL2	NM_017988.4	Full Length 100% match
ccsbBroadEn_03629	ccsbBroad304_03629		BC063792	55683	KIAA1310	no errors	hORFeome V8.1 Collection	55683	KIAA1310	NM_001115016.1	Full Length 100% match
ccsbBroadEn_03630	ccsbBroad304_03630		BC032747	55686	MREG	no errors	hORFeome V8.1 Collection	55686	MREG	NM_018000.2	Full Length 100% match
ccsbBroadEn_03631	ccsbBroad304_03631		BC003194	55692	LUC7L	no errors	hORFeome V8.1 Collection	55692	LUC7L	NM_018032.3	Full Length 100% match
ccsbBroadEn_03632	ccsbBroad304_03632		BC125108	55697	VAC14	no errors	hORFeome V8.1 Collection	55697	VAC14	NM_018052.3	Full Length 100% match
ccsbBroadEn_03633	ccsbBroad304_03633		BC000561,BC019096	55702	CCDC94	no errors	hORFeome V8.1 Collection	55702	CCDC94	NM_018074.4	Full Length 100% match
ccsbBroadEn_03634	ccsbBroad304_03634		BC017014,BC018914	55707	NECAP2	no errors	hORFeome V8.1 Collection	55707	NECAP2	NM_018090.4	Full Length 100% match
ccsbBroadEn_03635	ccsbBroad304_03635		BC002736	55709	KBTD4	no errors	hORFeome V8.1 Collection	55709	KBTD4	NM_016506.5	Full Length 100% match
ccsbBroadEn_03636	ccsbBroad304_03636		BC022267	55711	FAR2	no errors	hORFeome V8.1 Collection	55711	FAR2	NM_018099.3	Full Length 100% match
ccsbBroadEn_03637	ccsbBroad304_03637		BC001540,BC003541	55715	DOK4	no errors	hORFeome V8.1 Collection	55715	DOK4	NM_018110.3	Full Length 100% match
ccsbBroadEn_03638	ccsbBroad304_03638		BC098317	55721	IQCC	no errors	hORFeome V8.1 Collection	55721	IQCC	NM_018134.2	Full Length 100% match
ccsbBroadEn_03639	ccsbBroad304_03639	454	BC098366	55721	IQCC	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	55721	IQCC	NM_018134.2	Full Length 100% match
ccsbBroadEn_03640	ccsbBroad304_03640		BC000132	55722	CEP72	no errors	hORFeome V8.1 Collection	55722	CEP72	NM_018140.3	Full Length 100% match
ccsbBroadEn_03641	ccsbBroad304_03641		BC007726,BC036521	55723	ASF1B	no errors	hORFeome V8.1 Collection	55723	ASF1B	NM_018154.2	Full Length 100% match
ccsbBroadEn_03642	ccsbBroad304_03642		BC021228	55731	C17orf63	no errors	hORFeome V8.1 Collection	55731	C17orf63	NM_001077498.1;	Full Length 100% match
ccsbBroadEn_03643	ccsbBroad304_03643		BC002414	55737	VPS35	no errors	hORFeome V8.1 Collection	55737	VPS35	NM_018206.4	Full Length 100% match
ccsbBroadEn_03644	ccsbBroad304_03644		BC028233	55738	ARFGAP1	no errors	hORFeome V8.1 Collection	55738	ARFGAP1	NM_175609.1	Full Length 100% match
ccsbBroadEn_03645	ccsbBroad304_03645		BC016713	55742	PARVA	no errors	hORFeome V8.1 Collection	55742	PARVA	NM_018222.3	Full Length 100% match
ccsbBroadEn_03646	ccsbBroad304_03646		BC056884	55744	C7orf44	no errors	hORFeome V8.1 Collection	55744	C7orf44	NM_018224.2	Full Length 100% match
ccsbBroadEn_03647	ccsbBroad304_03647		BC001375,BC003176	55748	CNDP2	no errors	hORFeome V8.1 Collection	55748	CNDP2	NM_018235.2	Full Length 100% match
ccsbBroadEn_03648	ccsbBroad304_03648	454	BC008083,BC063615	55752	SEPT11	no errors	hORFeome V8.1 Collection	55752	SEPT11	NM_018243.2	Full Length 100% match
ccsbBroadEn_03649	ccsbBroad304_03649		BC009006	55754	TMEM30A	no errors	hORFeome V8.1 Collection	55754	TMEM30A	NM_001143958.1	Full Length 100% match
ccsbBroadEn_03650	ccsbBroad304_03650		BC003602	55766	H2AFJ	no errors	hORFeome V8.1 Collection	55766	H2AFJ	NM_177925.2	Full Length 100% match
ccsbBroadEn_03651	ccsbBroad304_03651		BC007226	55768	NGLY1	no errors	hORFeome V8.1 Collection	55768	NGLY1	NM_018297.3	Full Length 100% match
ccsbBroadEn_03652	ccsbBroad304_03652		BC080542	55770	EXOC2	no errors	hORFeome V8.1 Collection	55770	EXOC2	NM_018303.4	Full Length 100% match
ccsbBroadEn_03653	ccsbBroad304_03653		BC008669	55771	PRR11	no errors	hORFeome V8.1 Collection	55771	PRR11	NM_018304.3	Full Length 100% match
ccsbBroadEn_03654	ccsbBroad304_03654		BC022007	55776	C6orf64	no errors	hORFeome V8.1 Collection	55776	C6orf64	NM_018322.1	Full Length 100% match
ccsbBroadEn_03655	ccsbBroad304_03655		BC008975	55795	PCID2	no errors	hORFeome V8.1 Collection	100506079	LOC100506079	XM_003119561.1; XM_003118933.1; XM_003120774.1	Full Length 100% match
ccsbBroadEn_03656	ccsbBroad304_03656		BC117282,BC126265	55800	SCN3B	no errors	hORFeome V8.1 Collection	55800	SCN3B	NM_018400.3;	Full Length 100% match
ccsbBroadEn_03657	ccsbBroad304_03657		BC066270	55801	IL26	no errors	hORFeome V8.1 Collection	55801	IL26	NM_001040151.1	Full Length 100% match
ccsbBroadEn_03658	ccsbBroad304_03658		BC007439	55802	DCP1A	no errors	hORFeome V8.1 Collection	55802	DCP1A	NM_018402.1	Full Length 100% match
ccsbBroadEn_03659	ccsbBroad304_03659		BC126396	55810	FOXJ2	no errors	hORFeome V8.1 Collection	55810	FOXJ2	NM_018403.5	Full Length 100% match
ccsbBroadEn_03660	ccsbBroad304_03660	454	BC111018	55815	TSNAXIP1	no errors	hORFeome V8.1 Collection	55815	TSNAXIP1	NM_018416.2	Full Length 100% match
ccsbBroadEn_03661	ccsbBroad304_03661		BC005840,BC008759	55829	SELS	early stop codon	hORFeome V8.1 Mutant Subcollection	55829	SELS	NM_018445.4; NM_203472.1	Full Length 100% match
ccsbBroadEn_03662	ccsbBroad304_03662		BC119670	55830	GLT8D1	no errors	hORFeome V8.1 Collection	55830	GLT8D1	NM_152932.1; NM_018446.2;	Full Length 100% match
ccsbBroadEn_03663	ccsbBroad304_03663		BC047379	55844	PPP2R2D	no errors	hORFeome V8.1 Collection	55844	PPP2R2D	NM_001010983.1	Full Length 100% match
ccsbBroadEn_03664	ccsbBroad304_03664		BC001067	55845	C3orf10	no errors	hORFeome V8.1 Collection	55845	C3orf10	NM_018461.3	Full Length 100% match
ccsbBroadEn_03665	ccsbBroad304_03665		BC006552,BC013399	55846	ITFG2	no errors	hORFeome V8.1 Collection	55846	ITFG2	NM_018462.4	Full Length 100% match
ccsbBroadEn_03666	ccsbBroad304_03666		BC005962,BC059168	55847	CISD1	no errors	hORFeome V8.1 Collection	55847	CISD1	NM_018463.3	Full Length 100% match
ccsbBroadEn_03667	ccsbBroad304_03667		BC008455	55850	USE1	no errors	hORFeome V8.1 Collection	55850	USE1	NM_018464.3	Full Length 100% match
ccsbBroadEn_03668	ccsbBroad304_03668		BC009575	55851	PSENE1	no errors	hORFeome V8.1 Collection	55851	PSENE1	NM_018467.3	Full Length 100% match
ccsbBroadEn_03669	ccsbBroad304_03669		BC000894	55856	ACOT13	no errors	hORFeome V8.1 Collection	55856	ACOT13	NM_172341.1	Full Length 100% match
ccsbBroadEn_03670	ccsbBroad304_03670		BC126427,CCSB53146	55859	BEX1	no errors	hORFeome V8.1 Collection	55859	BEX1	NM_018473.3	Full Length 100% match
ccsbBroadEn_03671	ccsbBroad304_03671		BC003549	55862	ECHDC1	no errors	hORFeome V8.1 Collection	55862	ECHDC1	NM_018476.3	Full Length 100% match
ccsbBroadEn_03672	ccsbBroad304_03672		BC038933	55863	TMEM126B	no errors	hORFeome V8.1 Collection	55863	TMEM126B	NM_001002030.1	Full Length 100% match
ccsbBroadEn_03673	ccsbBroad304_03673		BC034384	55867	SLC22A11	no errors	hORFeome V8.1 Collection	55867	SLC22A11	NM_001193538.1	Full Length 100% match
ccsbBroadEn_03674	ccsbBroad304_03674		BC005996,BC013432	55871	CBWD1	no errors	hORFeome V8.1 Collection	55871	CBWD1	NM_018484.2	Full Length 100% match
ccsbBroadEn_03675	ccsbBroad304_03675		BC015887	55884	WSB2	no errors	hORFeome V8.1 Collection	55884	WSB2	NM_018491.3	Full Length 100% match
ccsbBroadEn_03676	ccsbBroad304_03676		BC026311	55885	LMO3	no errors	hORFeome V8.1 Collection	55885	LMO3	NM_018639.3	Full Length 100% match
ccsbBroadEn_03677	ccsbBroad304_03677		BC098246	55891	LENEP	no errors	hORFeome V8.1 Collection	55891	LENEP	NM_018640.3; NM_001001395.1	Full Length 100% match
ccsbBroadEn_03678	ccsbBroad304_03678		BC024176	55900	ZNF302	no errors	hORFeome V8.1 Collection	55900	ZNF302	NM_018655.2	Full Length 100% match
ccsbBroadEn_03679	ccsbBroad304_03679		BC013695	55905	RNF114	no errors	hORFeome V8.1 Collection	55905	RNF114	NM_018443.2; NM_001012320.1	Full Length 100% match
ccsbBroadEn_03680	ccsbBroad304_03680		BC004411	55906	ZC4H2	no errors	hORFeome V8.1 Collection	55906	ZC4H2	NM_018683.3	Full Length 100% match
ccsbBroadEn_03681	ccsbBroad304_03681		CCSB53158	55916	NXT2	no errors	hORFeome V8.1 Collection	55916	NXT2	NM_018684.2	Full Length 100% match
ccsbBroadEn_03682	ccsbBroad304_03682	454	BC047878	55922	NKRF	no errors	hORFeome V8.1 Collection	55922	NKRF	NM_018698.3	Full Length 100% match
ccsbBroadEn_03683	ccsbBroad304_03683		BC020683	55937	APOM	no errors	hORFeome V8.1 Collection	55937	APOM	NM_001173488.1; NM_017544.3	Full Length 100% match
ccsbBroadEn_03684	ccsbBroad304_03684		BC009717	55954	ZMAT5	no errors	hORFeome V8.1 Collection	55954	ZMAT5	NM_019101.2	Full Length 100% match
ccsbBroadEn_03685	ccsbBroad304_03685		BC009071	55957	LIN37	no errors	hORFeome V8.1 Collection	55957	LIN37	NM_001003692.1; NM_019103.2	Full Length 100% match
ccsbBroadEn_03686	ccsbBroad304_03686		BC110539	55959	SULF2	no errors	hORFeome V8.1 Collection	55959	SULF2	NM_019104.1	Full Length 100% match
ccsbBroadEn_03687	ccsbBroad304_03687		BC002801	55968	NSFL1C	no errors	hORFeome V8.1 Collection	55968	NSFL1C	NM_018837.3; NM_001161841.1	Full Length 100% match
ccsbBroadEn_03688	ccsbBroad304_03688		BC001871	55969	C20orf24	no errors	hORFeome V8.1 Collection	55969	C20orf24	NM_016143.3	Full Length 100% match
ccsbBroadEn_03689	ccsbBroad304_03689		BC027322	55972	SLC25A40	no errors	hORFeome V8.1 Collection	55972	SLC25A40	NM_001199534.1	Full Length 100% match
ccsbBroadEn_03690	ccsbBroad304_03690		BC008478	55973	BCAP29	no errors	hORFeome V8.1 Collection	55973	BCAP29	NM_018843.3	Full Length 100% match
ccsbBroadEn_03691	ccsbBroad304_03691		BC009621	55974	SLC50A1	no errors	hORFeome V8.1 Collection	55974	SLC50A1	NM_018844.3	Full Length 100% match
ccsbBroadEn_03692	ccsbBroad304_03692		BC069508	55997	CFC1	no errors	hORFeome V8.1 Collection	55997	CFC1	NM_001122839.1	Full Length 100% match
ccsbBroadEn_03693	ccsbBroad304_03693		BC131708	55998	NXF5	no errors	hORFeome V8.1 Collection	55998	NXF5	NM_032545.2	Full Length 100% match
ccsbBroadEn_03694	ccsbBroad304_03694		BC031616	56000	NXF3	no errors	hORFeome V8.1 Collection	56000	NXF3	NM_032946.2	Full Length 100% match
ccsbBroadEn_03695	Failed LR reaction		BC015020	56001	NXF2	no errors	hORFeome V8.1 Collection	56001	NXF2	NM_022052.1	Full Length 100% match
ccsbBroadEn_03696	ccsbBroad304_03696		BC010129,BC014655	56005	C19orf10	no errors	hORFeome V8.1 Collection	56005	C19orf10	NM_002053.1; NM_017809.3	Full Length 100% match
ccsbBroadEn_03697	ccsbBroad304_03697		BC004885	56063	C1orf91	no errors	hORFeome V8.1 Collection	56063	C1orf91	NM_019107.3	Full Length 100% match
ccsbBroadEn_03698	ccsbBroad304_03698		BC101035	56098	PCDHGC4	no errors	hORFeome V8.1 Collection	56098	PCDHGC4	NM_019118.3	Full Length 100% match
ccsbBroadEn_03699	ccsbBroad304_03699	454	BC093877	56101	PCDHGB5	no errors	hORFeome V8.1 Collection	56101	PCDHGB5	NM_032406.1	Full Length 100% match
ccsbBroadEn_03700	ccsbBroad304_03700	454	BC101805	56103	PCDHGB2	no errors	hORFeome V8.1 Collection	56103	PCDHGB2	NM_032099.1	Full Length 100% match
ccsbBroadEn_03701	ccsbBroad304_03701		BC132769	56107	PCDHGA9	no errors	hORFeome V8.1 Collection	56107	PCDHGA9	NM_032096.1	Full Length 100% match
ccsbBroadEn_03702	ccsbBroad304_03702	454	BC136747	56108	PCDHGA7	no errors	hORFeome V8.1 Collection	56108	PCDHGA7	NM_032089.1	Full Length 100% match
ccsbBroadEn_03703	ccsbBroad304_03703	454	BC136702	56109	PCDHGA6	no errors	hORFeome V8.1 Collection	56109	PCDHGA6	NM_032087.1	Full Length 100% match
ccsbBroadEn_03704	ccsbBroad304_03704		BC113460	56110	PCDHGA5	no errors	hORFeome V8.1 Collection	56110	PCDHGA5	NM_032086.1	Full Length 100% match
ccsbBroadEn_03705	ccsbBroad304_03705		BC113611	56125	PCDHB11	no errors	hORFeome V8.1 Collection	56125	PCDHB11	NM_032054.1	Full Length 100% match
ccsbBroadEn_03706	ccsbBroad304_03706		BC112280	56137	PCDHA12	no errors	hORFeome V8.1 Collection	56137	PCDHA12	NM_018931.2	Full Length 100% match
										NM_031864.1	Full Length 100% match



ccsbBroadEn_03707	ccsbBroad304_03707		BC130447	56139	PCDHA10	no errors	hORFeome V8.1 Collection	56139	PCDHA10	NM_031860.1	Full Length 100% match
ccsbBroadEn_03708	ccsbBroad304_03708		BC113609	56144	PCDHA4	no errors	hORFeome V8.1 Collection	56144	PCDHA4	NM_031500.1	Full Length 100% match
ccsbBroadEn_03709	ccsbBroad304_03709		BC042547	56157	TEX13A	no errors	hORFeome V8.1 Collection	56157	TEX13A	NM_031274.3	Full Length 100% match
ccsbBroadEn_03710	ccsbBroad304_03710	454	BC041166,BC053999	56160	NDNL2	no errors	hORFeome V8.1 Collection	56160	NDNL2	NM_138704.2	Full Length 100% match
ccsbBroadEn_03711	ccsbBroad304_03711		BC017175	56181	FAM54B	no errors	hORFeome V8.1 Collection	56181	FAM54B	NM_019557.5; NM_001099625.1; NM_001099626.1	Full Length 100% match
ccsbBroadEn_03712	ccsbBroad304_03712		BC121019	56203	LMOD3	no errors	hORFeome V8.1 Collection	56203	LMOD3	NM_198271.3	Full Length 100% match
ccsbBroadEn_03713	ccsbBroad304_03713		BC110585	56254	RNF20	no errors	hORFeome V8.1 Collection	56254	RNF20	NM_019592.5	Full Length 100% match
ccsbBroadEn_03714	ccsbBroad304_03714		BC012083	56256	SERTAD4	no errors	hORFeome V8.1 Collection	56256	SERTAD4	NM_019605.3	Full Length 100% match
ccsbBroadEn_03715	ccsbBroad304_03715		BC000556,BC016396	56257	MEPCE	no errors	hORFeome V8.1 Collection	56257	MEPCE	NM_001194990.1; NM_001194991.1; NM_001194992.1	Full Length 100% match
ccsbBroadEn_03716	ccsbBroad304_03716		BC027588	56261	GPCPD1	no errors	hORFeome V8.1 Collection	56261	GPCPD1	NM_019593.3	Full Length 100% match
ccsbBroadEn_03717	ccsbBroad304_03717	454	BC066939	56269	IRGC	no errors	hORFeome V8.1 Collection	56269	IRGC	NM_019612.3	Full Length 100% match
ccsbBroadEn_03718	ccsbBroad304_03718		BC098337	56300	IL1F9	no errors	hORFeome V8.1 Collection	56300	IL1F9	NM_019618.2	Full Length 100% match
ccsbBroadEn_03719	ccsbBroad304_03719		BC035627	56301	SLC7A10	no errors	hORFeome V8.1 Collection	56301	SLC7A10	NM_019849.2	Full Length 100% match
ccsbBroadEn_03720	ccsbBroad304_03720		BC033202	56342	PPAN	no errors	hORFeome V8.1 Collection	56342	PPAN	NM_020230.5	Full Length 100% match
ccsbBroadEn_03721	ccsbBroad304_03721		BC126133,BC126135	56344	CABP5	no errors	hORFeome V8.1 Collection	56344	CABP5	NM_019855.3	Full Length 100% match
ccsbBroadEn_03722	ccsbBroad304_03722		BC034986	56474	CTPS2	no errors	hORFeome V8.1 Collection	56474	CTPS2	NM_019857.3; NM_175859.1; NM_001144002.1	Full Length 100% match
ccsbBroadEn_03723	ccsbBroad304_03723		BC002908	56475	RPRM	no errors	hORFeome V8.1 Collection	56475	RPRM	NM_019845.2	Full Length 100% match
ccsbBroadEn_03724	ccsbBroad304_03724		BC069532	56477	CCL28	no errors	hORFeome V8.1 Collection	56477	CCL28	NM_148672.2	Full Length 100% match
ccsbBroadEn_03725	Failed LR reaction		BC017018	56521	DNAJC12	no errors	hORFeome V8.1 Collection	56521	DNAJC12	NM_021800.2	Full Length 100% match
ccsbBroadEn_03726	ccsbBroad304_03726	454	BC101541	56547	MMP26	no errors	hORFeome V8.1 Collection	56547	MMP26	NM_021801.3	Full Length 100% match
ccsbBroadEn_03727	ccsbBroad304_03727		BC109205	56603	CYP26B1	no errors	hORFeome V8.1 Collection	56603	CYP26B1	NM_019885.2	Full Length 100% match
ccsbBroadEn_03728	ccsbBroad304_03728		BC011909	56616	DIABLO	no errors	hORFeome V8.1 Collection	56616	DIABLO	NM_019887.4	Full Length 100% match
ccsbBroadEn_03729	ccsbBroad304_03729	454	BC028032	56623	INPP5E	no errors	hORFeome V8.1 Collection	56623	INPP5E	NM_019892.4	Full Length 100% match
ccsbBroadEn_03730	ccsbBroad304_03730		BC036072	56648	EIF5A2	no errors	hORFeome V8.1 Collection	56648	EIF5A2	NM_020390.5	Full Length 100% match
ccsbBroadEn_03731	ccsbBroad304_03731		BC001757,BC013610	56650	CLDND1	no errors	hORFeome V8.1 Collection	56650	CLDND1	NM_019895.2; NM_001040199.1; NM_001040183.1; NM_001040181.1	Full Length 100% match
ccsbBroadEn_03732	ccsbBroad304_03732		BC004217	56654	NPDC1	no errors	hORFeome V8.1 Collection	56654	NPDC1	NM_015392.3	Full Length 100% match
ccsbBroadEn_03733	ccsbBroad304_03733		BC113651	56656	OR2S2	no errors	hORFeome V8.1 Collection	56656	OR2S2	NM_019897.2	Full Length 100% match
ccsbBroadEn_03734	ccsbBroad304_03734		BC034985	56658	TRIM39	no errors	hORFeome V8.1 Collection	56658	TRIM39	NM_172016.2	Full Length 100% match
ccsbBroadEn_03735	ccsbBroad304_03735		BC012779	56659	KCNK13	no errors	hORFeome V8.1 Collection	56659	KCNK13	NM_022054.2	Full Length 100% match
ccsbBroadEn_03736	ccsbBroad304_03736		BC030948	56670	SUCNR1	no errors	hORFeome V8.1 Collection	56670	SUCNR1	NM_033050.4	Full Length 100% match
ccsbBroadEn_03737	ccsbBroad304_03737		BC030996	56672	C11orf17	no errors	hORFeome V8.1 Collection	56672	C11orf17	NM_182901.2; NM_020642.3	Full Length 100% match
ccsbBroadEn_03738	ccsbBroad304_03738		BC040124	56674	TMEM9B	no errors	hORFeome V8.1 Collection	56674	TMEM9B	NM_020644.1	Full Length 100% match
ccsbBroadEn_03739	ccsbBroad304_03739		BC008835	56675	NRIP3	no errors	hORFeome V8.1 Collection	56675	NRIP3	NM_020645.2	Full Length 100% match
ccsbBroadEn_03740	ccsbBroad304_03740		BC003658	56681	SAR1A	no errors	hORFeome V8.1 Collection	56681	SAR1A	NM_020150.4; NM_001142648.1	Full Length 100% match
ccsbBroadEn_03741	ccsbBroad304_03741		BC000709	56683	C21orf59	no errors	hORFeome V8.1 Collection	56683	C21orf59	NM_021254.2	Full Length 100% match
ccsbBroadEn_03742	ccsbBroad304_03742		BC069302	56729	RETN	no errors	hORFeome V8.1 Collection	56729	RETN	NM_020415.3; NM_001193374.1	Full Length 100% match
ccsbBroadEn_03743	ccsbBroad304_03743		BC109194	56833	SLAMF8	no errors	hORFeome V8.1 Collection	56833	SLAMF8	NM_020125.2	Full Length 100% match
ccsbBroadEn_03744	ccsbBroad304_03744		BC005988,BC016786	56849	TCEAL7	no errors	hORFeome V8.1 Collection	56849	TCEAL7	NM_152278.3	Full Length 100% match
ccsbBroadEn_03745	ccsbBroad304_03745	454	BC104936	56851	C15orf24	no errors	hORFeome V8.1 Collection	56851	C15orf24	NM_020154.2	Full Length 100% match
ccsbBroadEn_03746	ccsbBroad304_03746		BC012796,BC041604	56882	CDC42SE1	no errors	hORFeome V8.1 Collection	56882	CDC42SE1	NM_001038707.1; NM_020239.3	Full Length 100% match
ccsbBroadEn_03747	ccsbBroad304_03747		BC000178	56888	KCMF1	no errors	hORFeome V8.1 Collection	56888	KCMF1	NM_020122.4	Full Length 100% match
ccsbBroadEn_03748	ccsbBroad304_03748		BC020623,BC021672	56892	C8orf4	no errors	hORFeome V8.1 Collection	56892	C8orf4	NM_020130.3	Full Length 100% match
ccsbBroadEn_03749	ccsbBroad304_03749		BC063552	56894	AGPAT3	no errors	hORFeome V8.1 Collection	56894	AGPAT3	NM_020132.4; NM_001037553.1	Full Length 100% match
ccsbBroadEn_03750	ccsbBroad304_03750	454	BC008739,BC067116	56900	TMEM167B	no errors	hORFeome V8.1 Collection	56900	TMEM167B	NM_020141.3	Full Length 100% match
ccsbBroadEn_03751	ccsbBroad304_03751		BC011910	56901	NDUFA4L2	no errors	hORFeome V8.1 Collection	56901	NDUFA4L2	NM_020142.3	Full Length 100% match
ccsbBroadEn_03752	ccsbBroad304_03752		BC008304	56902	PNO1	no errors	hORFeome V8.1 Collection	56902	PNO1	NM_020143.2	Full Length 100% match
ccsbBroadEn_03753	ccsbBroad304_03753		BC014635	56904	SH3GLB2	no errors	hORFeome V8.1 Collection	56904	SH3GLB2	NM_020145.2	Full Length 100% match
ccsbBroadEn_03754	ccsbBroad304_03754		BC027857	56906	THAP10	no errors	hORFeome V8.1 Collection	56906	THAP10	NM_020147.3	Full Length 100% match
ccsbBroadEn_03755	ccsbBroad304_03755		BC011647,BC022856	56912	IFT46	no errors	hORFeome V8.1 Collection	56912	IFT46	NM_001168618.1	Full Length 100% match
ccsbBroadEn_03756	ccsbBroad304_03756		BC035596	56924	PAK6	no errors	hORFeome V8.1 Collection	56924	PAK6	NM_020168.4; NM_001128629.1; NM_001128628.1	Full Length 100% match
ccsbBroadEn_03757	ccsbBroad304_03757		BC020577	56934	CA10	no errors	hORFeome V8.1 Collection	56934	CA10	NM_001082534.1; NM_020178.4; NM_001082533.1	Full Length 100% match
ccsbBroadEn_03758	ccsbBroad304_03758		BC022847	56940	DUSP22	no errors	hORFeome V8.1 Collection	56940	DUSP22	NM_020185.3	Full Length 100% match
ccsbBroadEn_03759	ccsbBroad304_03759		BC032631	56942	C16orf61	no errors	hORFeome V8.1 Collection	56942	C16orf61	NM_020188.3	Full Length 100% match
ccsbBroadEn_03760	ccsbBroad304_03760		BC009920	56944	OLFML3	no errors	hORFeome V8.1 Collection	56944	OLFML3	NM_020190.2	Full Length 100% match
ccsbBroadEn_03761	ccsbBroad304_03761		BC131622	56956	LHX9	no errors	hORFeome V8.1 Collection	56956	LHX9	NM_020204.2	Full Length 100% match
ccsbBroadEn_03762	ccsbBroad304_03762		BC007206	56961	SHD	no errors	hORFeome V8.1 Collection	56961	SHD	NM_020209.3	Full Length 100% match
ccsbBroadEn_03763	ccsbBroad304_03763	454	BC064626	56964	WDR93	no errors	hORFeome V8.1 Collection	56964	WDR93	NM_020212.1	Full Length 100% match
ccsbBroadEn_03764	ccsbBroad304_03764		BC113595,BC126113	56970	ATXN7L3	no errors	hORFeome V8.1 Collection	56970	ATXN7L3	NM_001098833.1	Full Length 100% match
ccsbBroadEn_03765	ccsbBroad304_03765		BC032535	56986	DTWD1	no errors	hORFeome V8.1 Collection	56986	DTWD1	NM_020234.5; NM_001144955.1	Full Length 100% match
ccsbBroadEn_03766	ccsbBroad304_03766		BC096703	56990	CDC42SE2	no errors	hORFeome V8.1 Collection	56990	CDC42SE2	NM_001038702.1	Full Length 100% match
ccsbBroadEn_03767	ccsbBroad304_03767		BC009363	56993	TOMM22	no errors	hORFeome V8.1 Collection	56993	TOMM22	NM_020243.4	Full Length 100% match
ccsbBroadEn_03768	ccsbBroad304_03768	454	BC020819,BC050429	56994	CHPT1	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	56994	CHPT1	NM_020244.2	Full Length 100% match
ccsbBroadEn_03769	ccsbBroad304_03769		BC014300	56998	CTNNBIP1	no errors	hORFeome V8.1 Collection	56998	CTNNBIP1	NM_020248.2; NM_001012329.1	Full Length 100% match
ccsbBroadEn_03770	ccsbBroad304_03770	454	BC020621,BC022858	57001	ACN9	no errors	hORFeome V8.1 Collection	57001	ACN9	NM_020186.2	Full Length 100% match
ccsbBroadEn_03771	ccsbBroad304_03771		BC064946	57017	COQ9	no errors	hORFeome V8.1 Collection	57017	COQ9	NM_020312.3	Full Length 100% match
ccsbBroadEn_03772	ccsbBroad304_03772		BC007081	57018	CCNL1	no errors	hORFeome V8.1 Collection	57018	CCNL1	NM_020307.2	Full Length 100% match
ccsbBroadEn_03773	ccsbBroad304_03773		BC002568	57019	CIAPIN1	no errors	hORFeome V8.1 Collection	57019	CIAPIN1	NM_020313.2	Full Length 100% match
ccsbBroadEn_03774	ccsbBroad304_03774		BC004546	57050	UTP3	no errors	hORFeome V8.1 Collection	57050	UTP3	NM_020368.2	Full Length 100% match
ccsbBroadEn_03775	ccsbBroad304_03775		BC113005	57054	DAZ3	no errors	hORFeome V8.1 Collection	57054	DAZ3	NM_020364.2	Full Length 100% match
ccsbBroadEn_03776	ccsbBroad304_03776		BC017098	57060	PCBP4	no errors	hORFeome V8.1 Collection	57060	PCBP4	NM_020418.3	Full Length 100% match
ccsbBroadEn_03777	ccsbBroad304_03777		BC028354	57088	PLSCR4	no errors	hORFeome V8.1 Collection	57088	PLSCR4	NM_020353.2	Full Length 100% match
ccsbBroadEn_03778	ccsbBroad304_03778		BC122857	57089	ENTPD7	no errors	hORFeome V8.1 Collection	57089	ENTPD7	NM_020354.3	Full Length 100% match



ccsbBroadEn_03779	ccsbBroad304_03779		BC126472	57093	TRIM49	no errors	hORFeome V8.1 Collection	57093	TRIM49	NM_020358.2	Full Length 100% match
ccsbBroadEn_03780	ccsbBroad304_03780		BC017208	57095	C1orf128	no errors	hORFeome V8.1 Collection	57095	C1orf128	NM_020362.4	Full Length 100% match
ccsbBroadEn_03781	ccsbBroad304_03781		BC016908	57102	C12orf4	no errors	hORFeome V8.1 Collection	57102	C12orf4	NM_020374.2	Full Length 100% match
ccsbBroadEn_03782	ccsbBroad304_03782		BC012340	57103	C12orf5	no errors	hORFeome V8.1 Collection	57103	C12orf5	NM_020375.2	Full Length 100% match
ccsbBroadEn_03783	ccsbBroad304_03783		BC019079	57106	NAT14	no errors	hORFeome V8.1 Collection	57106	NAT14	NM_020378.3	Full Length 100% match
ccsbBroadEn_03784	ccsbBroad304_03784		BC009831,BC033322	57111	RAB25	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	57111	RAB25	NM_020387.2	Full Length 100% match
ccsbBroadEn_03785	ccsbBroad304_03785		BC014442	57117	INTS12	no errors	hORFeome V8.1 Collection	57117	INTS12	NM_020395.3;	
ccsbBroadEn_03786	ccsbBroad304_03786		BC053369	57119	SPINLW1	no errors	hORFeome V8.1 Collection	57119	SPINLW1	NM_001142471.1	Full Length 100% match
ccsbBroadEn_03787	ccsbBroad304_03787		BC009553	57120	GOPC	no errors	hORFeome V8.1 Collection	57120	GOPC	NM_020398.3	Full Length 100% match
ccsbBroadEn_03788	ccsbBroad304_03788		BC033571	57121	LPAR5	no errors	hORFeome V8.1 Collection	57121	LPAR5	NM_001017408.2	Full Length 100% match
ccsbBroadEn_03789	ccsbBroad304_03789		BC021575	57129	MRPL47	no errors	hORFeome V8.1 Collection	57129	MRPL47	NM_020400.5;	
ccsbBroadEn_03790	ccsbBroad304_03790		BC012733,BC065933	57132	CHMP1B	no errors	hORFeome V8.1 Collection	57132	CHMP1B	NM_001142961.1	Full Length 100% match
ccsbBroadEn_03791	ccsbBroad304_03791	454	BC137017	57134	MAN1C1	no errors	hORFeome V8.1 Collection	57134	MAN1C1	NM_177988.1	Full Length 100% match
ccsbBroadEn_03792	ccsbBroad304_03792		BC047480,BC047617	57135	DAZ4	no errors	hORFeome V8.1 Collection	57135	DAZ4	NM_020412.4	Full Length 100% match
ccsbBroadEn_03793	ccsbBroad304_03793		BC016165	57142	RTN4	no errors	hORFeome V8.1 Collection	57142	RTN4	NM_020420.2	Full Length 100% match
ccsbBroadEn_03794	ccsbBroad304_03794		BC012619	57142	RTN4	1 synonymous error	hORFeome V8.1 Collection	57142	RTN4	NM_207520.1	Full Length 100% match
ccsbBroadEn_03795	ccsbBroad304_03795		BC058906	57143	ADCK1	no errors	hORFeome V8.1 Collection	57143	ADCK1	NM_153828.2	Full Length 100% match
ccsbBroadEn_03796	ccsbBroad304_03796		BC070260	57150	C6orf162	no errors	hORFeome V8.1 Collection	57150	C6orf162	NM_020421.3	Full Length 100% match
ccsbBroadEn_03797	ccsbBroad304_03797		BC069292	57152	SLURP1	no errors	hORFeome V8.1 Collection	57152	SLURP1	NM_020425.4;	
ccsbBroadEn_03798	ccsbBroad304_03798		BC127093	57157	PHTF2	no errors	hORFeome V8.1 Collection	57157	PHTF2	NM_001042493.1	Full Length 100% match
ccsbBroadEn_03799	ccsbBroad304_03799		BC009476	57161	PELI2	no errors	hORFeome V8.1 Collection	57161	PELI2	NM_020427.2	Full Length 100% match
ccsbBroadEn_03800	ccsbBroad304_03800		BC006449	57175	CORO1B	no errors	hORFeome V8.1 Collection	57175	CORO1B	NM_001127357.1	Full Length 100% match
ccsbBroadEn_03801	ccsbBroad304_03801		BC010448,BC017097	57179	KIAA1191	no errors	hORFeome V8.1 Collection	57179	KIAA1191	NM_021255.2	Full Length 100% match
ccsbBroadEn_03802	ccsbBroad304_03802		BC015207	57180	ACTR3B	no errors	hORFeome V8.1 Collection	57180	ACTR3B	NM_020441.2;	
ccsbBroadEn_03803	ccsbBroad304_03803		BC008682	57180	ACTR3B	no errors	hORFeome V8.1 Collection	57180	ACTR3B	NM_001018070.1	Full Length 100% match
ccsbBroadEn_03804	ccsbBroad304_03804	454	BC015637	57184	C15orf17	no errors	hORFeome V8.1 Collection	57184	C15orf17	NM_001079685.1;	
ccsbBroadEn_03805	ccsbBroad304_03805		BC063583	57185	NIPAL3	no errors	hORFeome V8.1 Collection	57185	NIPAL3	NM_020444.3	Full Length 100% match
ccsbBroadEn_03806	ccsbBroad304_03806		BC005149	57192	MCOLN1	no errors	hORFeome V8.1 Collection	57192	MCOLN1	NM_001040135.1	Full Length 100% match
ccsbBroadEn_03807	ccsbBroad304_03807		BC132915,CCSB53350	57209	ZNF248	no errors	hORFeome V8.1 Collection	57209	ZNF248	NM_020445.4	Full Length 100% match
ccsbBroadEn_03808	ccsbBroad304_03808		BC012766,BC014490	57222	ERGIC1	no errors	hORFeome V8.1 Collection	57222	ERGIC1	NM_020447.3	Full Length 100% match
ccsbBroadEn_03809	ccsbBroad304_03809		BC009782	57226	LYRM2	no errors	hORFeome V8.1 Collection	57226	LYRM2	NM_020448.4	Full Length 100% match
ccsbBroadEn_03810	ccsbBroad304_03810		BC120965	57228	SMAGP	no errors	hORFeome V8.1 Collection	57228	SMAGP	NM_020533.2	Full Length 100% match
ccsbBroadEn_03811	ccsbBroad304_03811		BC007537	57325	CSRP2BP	no errors	hORFeome V8.1 Collection	57325	CSRP2BP	NM_021045.1	Full Length 100% match
ccsbBroadEn_03812	ccsbBroad304_03812		BC016852	57326	PBXIP1	no errors	hORFeome V8.1 Collection	57326	PBXIP1	NM_001033873.1;	
ccsbBroadEn_03813	ccsbBroad304_03813		BC013436	57333	RCN3	no errors	hORFeome V8.1 Collection	57333	RCN3	NM_001031628.1	Full Length 100% match
ccsbBroadEn_03814	ccsbBroad304_03814		BC062575	57381	RHOJ	no errors	hORFeome V8.1 Collection	57381	RHOJ	NM_020536.4	Full Length 100% match
ccsbBroadEn_03815	ccsbBroad304_03815		BC005019	57402	S100A14	no errors	hORFeome V8.1 Collection	57402	S100A14	NM_020524.2	Full Length 100% match
ccsbBroadEn_03816	ccsbBroad304_03816		BC022255	57405	SPC25	no errors	hORFeome V8.1 Collection	57405	SPC25	NM_020650.2	Full Length 100% match
ccsbBroadEn_03817	ccsbBroad304_03817		BC002927,BC007364	57407	NMRAL1	no errors	hORFeome V8.1 Collection	57407	NMRAL1	NM_020663.3	Full Length 100% match
ccsbBroadEn_03818	ccsbBroad304_03818		BC033759	57409	MIF4GD	no errors	hORFeome V8.1 Collection	57409	MIF4GD	NM_020672.1	Full Length 100% match
ccsbBroadEn_03819	ccsbBroad304_03819		BC017772	57415	C3orf14	no errors	hORFeome V8.1 Collection	57415	C3orf14	NM_020675.3	Full Length 100% match
ccsbBroadEn_03820	ccsbBroad304_03820		BC036812,BC122545	57452	GALNTL1	no errors	hORFeome V8.1 Collection	57452	GALNTL1	NM_020677.3	Full Length 100% match
ccsbBroadEn_03821	ccsbBroad304_03821		BC008468	57456	KIAA1143	no errors	hORFeome V8.1 Collection	57456	KIAA1143	NM_020692.2;	
ccsbBroadEn_03822	ccsbBroad304_03822		BC069419	57459	GATAD2B	no errors	hORFeome V8.1 Collection	57459	GATAD2B	NM_001168368.1	Full Length 100% match
ccsbBroadEn_03823	ccsbBroad304_03823	454	BC004442,BC019849	57461	ISY1	no errors	hORFeome V8.1 Collection	57461	ISY1	NM_020696.3	Full Length 100% match
ccsbBroadEn_03824	ccsbBroad304_03824		BC019064	57464	FAM40B	no errors	hORFeome V8.1 Collection	57464	FAM40B	NM_020699.2	Full Length 100% match
ccsbBroadEn_03825	ccsbBroad304_03825		BC026345	57471	ERMN	no errors	hORFeome V8.1 Collection	57471	ERMN	NM_001134336.1	Full Length 100% match
ccsbBroadEn_03826	ccsbBroad304_03826	454	BC142616	57497	LRFN2	no errors	hORFeome V8.1 Collection	57497	LRFN2	NM_020711.1	Full Length 100% match
ccsbBroadEn_03827	ccsbBroad304_03827		BC113435	57528	KCTD16	no errors	hORFeome V8.1 Collection	57528	KCTD16	NM_020707.2	Full Length 100% match
ccsbBroadEn_03828	ccsbBroad304_03828	454	BC152445	57530	CGN	no errors	hORFeome V8.1 Collection	57530	CGN	NM_020737.1	Full Length 100% match
ccsbBroadEn_03829	ccsbBroad304_03829		BC129990	57532	NUFIP2	no errors	hORFeome V8.1 Collection	57532	NUFIP2	NM_020768.3	Full Length 100% match
ccsbBroadEn_03830	ccsbBroad304_03830		BC028030	57546	PDP2	no errors	hORFeome V8.1 Collection	57546	PDP2	NM_020770.2	Full Length 100% match
ccsbBroadEn_03831	ccsbBroad304_03831		BC113669	57560	IFT80	no errors	hORFeome V8.1 Collection	57560	IFT80	NM_020772.2	Full Length 100% match
ccsbBroadEn_03832	ccsbBroad304_03832		BC015928,BC053619	57561	ARRDC3	no errors	hORFeome V8.1 Collection	57561	ARRDC3	NM_020786.2	Full Length 100% match
ccsbBroadEn_03833	ccsbBroad304_03833		BC040525,BC065934	57590	WDFY1	no errors	hORFeome V8.1 Collection	57590	WDFY1	NM_020800.2	Full Length 100% match
ccsbBroadEn_03834	ccsbBroad304_03834		BC002607	57596	BEGAIN	no errors	hORFeome V8.1 Collection	57596	BEGAIN	NM_020801.2	Full Length 100% match
ccsbBroadEn_03835	ccsbBroad304_03835	454	BC040993	57606	SLAIN2	no errors	hORFeome V8.1 Collection	57606	SLAIN2	NM_020830.3	Full Length 100% match
ccsbBroadEn_03836	ccsbBroad304_03836	454	BC152429	57611	ISLR2	no errors	hORFeome V8.1 Collection	57611	ISLR2	NM_020836.3;	
ccsbBroadEn_03837	ccsbBroad304_03837		BC130564	57650	KIAA1524	no errors	hORFeome V8.1 Collection	57650	KIAA1524	NM_001130136.1;	
ccsbBroadEn_03838	ccsbBroad304_03838		BC032822	57669	EPB41L5	no errors	hORFeome V8.1 Collection	57669	EPB41L5	NM_001130137.1;	
ccsbBroadEn_03839	ccsbBroad304_03839		BC018748	57684	ZBTB26	no errors	hORFeome V8.1 Collection	57684	ZBTB26	NM_001130138.1;	
ccsbBroadEn_03840	ccsbBroad304_03840		BC033537	57687	VAT1L	no errors	hORFeome V8.1 Collection	57687	VAT1L	NM_020851.2	Full Length 100% match
ccsbBroadEn_03841	ccsbBroad304_03841		BC041125	57691	KIAA1586	no errors	hORFeome V8.1 Collection	57691	KIAA1586	NM_020890.2	Full Length 100% match
ccsbBroadEn_03842	ccsbBroad304_03842		BC078154	57693	ZNF317	no errors	hORFeome V8.1 Collection	57693	ZNF317	NM_001184938.1;	
ccsbBroadEn_03843	ccsbBroad304_03843		BC011363	57704	GBA2	no errors	hORFeome V8.1 Collection	57704	GBA2	NM_001184939.1	Full Length 100% match
ccsbBroadEn_03844	ccsbBroad304_03844		BC039703	57706	DENND1A	no errors	hORFeome V8.1 Collection	57706	DENND1A	NM_020924.2	Full Length 100% match
ccsbBroadEn_03845	ccsbBroad304_03845		BC125217	57708	MIER1	no errors	hORFeome V8.1 Collection	57708	MIER1	NM_020927.1	Full Length 100% match
ccsbBroadEn_03846	ccsbBroad304_03846		BC068491	57718	PPP4R4	no errors	hORFeome V8.1 Collection	57718	PPP4R4	NM_020931.2	Full Length 100% match
ccsbBroadEn_03847	ccsbBroad304_03847		BC110518	57720	GPR107	no errors	hORFeome V8.1 Collection	57720	GPR107	NM_020933.4	Full Length 100% match
ccsbBroadEn_03848	ccsbBroad304_03848		BC006565	57721	METTL14	no errors	hORFeome V8.1 Collection	57721	METTL14	NM_020944.2	Full Length 100% match
ccsbBroadEn_03849	ccsbBroad304_03849		BC029362	57733	GBA3	no errors	hORFeome V8.1 Collection	57733	GBA3	NM_024820.2	Full Length 100% match
ccsbBroadEn_03850	ccsbBroad304_03850		BC019363	57761	TRIB3	no errors	hORFeome V8.1 Collection	57761	TRIB3	NM_001146113.1	Full Length 100% match
ccsbBroadEn_03851	ccsbBroad304_03851		BC028036	57795	FAM5B	no errors	hORFeome V8.1 Collection	57795	FAM5B	NM_058237.1	Full Length 100% match
ccsbBroadEn_03852	ccsbBroad304_03852		BC113376	57818	G6PC2	no errors	hORFeome V8.1 Collection	57818	G6PC2	NM_020960.4	Full Length 100% match
ccsbBroadEn_03853	ccsbBroad304_03853		BC009192	57819	LSM2	no errors	hORFeome V8.1 Collection	57819	LSM2	NM_020961.2	Full Length 100% match
ccsbBroadEn_03854	ccsbBroad304_03854		BC000369,BC001218	57820	CCNB1IP1	no errors	hORFeome V8.1 Collection	57820	CCNB1IP1	NM_001128432.1	Full Length 100% match
ccsbBroadEn_03855	ccsbBroad304_03855		BC032509	58157	NGB	no errors	hORFeome V8.1 Collection	58157	NGB	NM_021158.3	Full Length 100% match
ccsbBroadEn_03856	Failed LR reaction		BC012977	58190	CTDSP1	no errors	hORFeome V8.1 Collection	58190	CTDSP1	NM_021165.2	Full Length 100% match
										NM_021176.2	Full Length 100% match
										NM_021177.3	Full Length 100% match
										NM_182849.1;	
										NM_182851.1;	
										NM_021178.3;	
										NM_182852.2	Full Length 100% match
										NM_021257.3	Full Length 100% match
										NM_021198.1	Full Length 100% match



ccsbBroadEn_03857	ccsbBroad304_03857		BC020673	58475	MS4A7	no errors	hORFeome V8.1 Collection	58475	MS4A7	NM_021201.4; NM_206939.1	Full Length 100% match
ccsbBroadEn_03858	ccsbBroad304_03858		BC065299	58477	SRPRB	no errors	hORFeome V8.1 Collection	58477	SRPRB	NM_021203.3	Full Length 100% match
ccsbBroadEn_03859	ccsbBroad304_03859	454	BC065815	58478	ENOPH1	no errors	hORFeome V8.1 Collection	58478	ENOPH1	NM_021204.3	Full Length 100% match
ccsbBroadEn_03860	ccsbBroad304_03860		BC032717	58485	TRAPPC1	no errors	hORFeome V8.1 Collection	58485	TRAPPC1	NM_021210.4; NM_001166621.1	Full Length 100% match
ccsbBroadEn_03861	ccsbBroad304_03861		BC062561	58492	ZNF77	no errors	hORFeome V8.1 Collection	58492	ZNF77	NM_021217.2	Full Length 100% match
ccsbBroadEn_03862	ccsbBroad304_03862		BC014881,BC065210	58493	C9orf80	no errors	hORFeome V8.1 Collection	58493	C9orf80	NM_021218.1	Full Length 100% match
ccsbBroadEn_03863	ccsbBroad304_03863		BC017779	58494	JAM2	no errors	hORFeome V8.1 Collection	58494	JAM2	NM_021219.2	Full Length 100% match
ccsbBroadEn_03864	ccsbBroad304_03864		BC006148	58495	OVOL2	no errors	hORFeome V8.1 Collection	58495	OVOL2	NM_021220.2	Full Length 100% match
ccsbBroadEn_03865	ccsbBroad304_03865		BC016321,BC054857	58505	OSTC	no errors	hORFeome V8.1 Collection	58505	OSTC	NM_021227.2	Full Length 100% match
ccsbBroadEn_03866	ccsbBroad304_03866		BC013162	58515	SELK	early stop codon	hORFeome V8.1 Mutant Subcollection	58515	SELK	NM_021237.3	Full Length 100% match
ccsbBroadEn_03867	ccsbBroad304_03867		BC000024	58516	FAM60A	no errors	hORFeome V8.1 Collection	58516	FAM60A	NM_021238.2; NM_001135811.1; NM_001135812.1	Full Length 100% match
ccsbBroadEn_03868	ccsbBroad304_03868	454	BC136775	58517	RBM25	no errors	hORFeome V8.1 Collection	58517	RBM25	NM_021239.2	Full Length 100% match
ccsbBroadEn_03869	ccsbBroad304_03869		BC008908,BC019332	58526	MID1IP1	no errors	hORFeome V8.1 Collection	58526	MID1IP1	NM_021242.4; NM_001098790.1; NM_001098791.1	Full Length 100% match
ccsbBroadEn_03870	ccsbBroad304_03870		BC125138	58530	LY6G6D	no errors	hORFeome V8.1 Collection	58530	LY6G6D	NM_021246.2	Full Length 100% match
ccsbBroadEn_03871	ccsbBroad304_03871		BC027615	59084	ENPP5	no errors	hORFeome V8.1 Collection	59084	ENPP5	NM_021572.4	Full Length 100% match
ccsbBroadEn_03872	ccsbBroad304_03872	454	BC084554	59274	MESDC1	no errors	hORFeome V8.1 Collection	59274	MESDC1	NM_022566.2	Full Length 100% match
ccsbBroadEn_03873	ccsbBroad304_03873		BC113503	59284	CACNG7	no errors	hORFeome V8.1 Collection	59284	CACNG7	NM_031896.4	Full Length 100% match
ccsbBroadEn_03874	ccsbBroad304_03874		BC007053	59286	UBL5	no errors	hORFeome V8.1 Collection	59286	UBL5	NM_001048241.1; NM_024292.3	Full Length 100% match
ccsbBroadEn_03875	ccsbBroad304_03875		BC042458	59338	PLEKHA1	no errors	hORFeome V8.1 Collection	59338	PLEKHA1	NM_021622.4	Full Length 100% match
ccsbBroadEn_03876	ccsbBroad304_03876	454	BC112348	59340	HRH4	no errors	hORFeome V8.1 Collection	59340	HRH4	NM_021624.3	Full Length 100% match
ccsbBroadEn_03877	ccsbBroad304_03877		BC072405	59342	SCPEP1	no errors	hORFeome V8.1 Collection	59342	SCPEP1	NM_021626.2	Full Length 100% match
ccsbBroadEn_03878	ccsbBroad304_03878		BC040609	59343	SEN2	no errors	hORFeome V8.1 Collection	59343	SEN2	NM_021627.2	Full Length 100% match
ccsbBroadEn_03879	ccsbBroad304_03879		BC104724	59344	ALOXE3	no errors	hORFeome V8.1 Collection	59344	ALOXE3	NM_021628.2	Full Length 100% match
ccsbBroadEn_03880	ccsbBroad304_03880		BC113617	59350	RXFP1	no errors	hORFeome V8.1 Collection	59350	RXFP1	NM_021634.2	Full Length 100% match
ccsbBroadEn_03881	ccsbBroad304_03881		BC078658	59353	TMEM35	no errors	hORFeome V8.1 Collection	59353	TMEM35	NM_021637.2	Full Length 100% match
ccsbBroadEn_03882	ccsbBroad304_03882		BC008912	60343	FAM3A	no errors	hORFeome V8.1 Collection	60343	FAM3A	NM_001171132.1; NM_021806.2	Full Length 100% match
ccsbBroadEn_03883	ccsbBroad304_03883		BC034919	60401	EDA2R	no errors	hORFeome V8.1 Collection	60401	EDA2R	NM_021783.3; NM_001199687.1	Full Length 100% match
ccsbBroadEn_03884	ccsbBroad304_03884		BC006549	60436	TGIF2	no errors	hORFeome V8.1 Collection	60436	TGIF2	NM_021809.6; NM_001199515.1; NM_001199513.1	Full Length 100% match
ccsbBroadEn_03885	Failed LR reaction		BC067123	60481	ELOVL5	no errors	hORFeome V8.1 Collection	60481	ELOVL5	NM_021814.3	Full Length 100% match
ccsbBroadEn_03886	ccsbBroad304_03886		BC111525	60482	SLC5A7	no errors	hORFeome V8.1 Collection	60482	SLC5A7	NM_021815.2	Full Length 100% match
ccsbBroadEn_03887	ccsbBroad304_03887	454	BC029864	60484	HAPLN2	no errors	hORFeome V8.1 Collection	60484	HAPLN2	NM_021817.2	Full Length 100% match
ccsbBroadEn_03888	ccsbBroad304_03888		BC020537	60485	SAV1	no errors	hORFeome V8.1 Collection	60485	SAV1	NM_021818.2	Full Length 100% match
ccsbBroadEn_03889	ccsbBroad304_03889		BC024268	60489	APOBEC3G	no errors	hORFeome V8.1 Collection	60489	APOBEC3G	NM_021822.3	Full Length 100% match
ccsbBroadEn_03890	ccsbBroad304_03890		BC007654	60491	NIF3L1	no errors	hORFeome V8.1 Collection	60491	NIF3L1	NM_001136039.2	Full Length 100% match
ccsbBroadEn_03891	ccsbBroad304_03891		BC016728	60496	AASDPHPT	no errors	hORFeome V8.1 Collection	60496	AASDPHPT	NM_015423.2	Full Length 100% match
ccsbBroadEn_03892	ccsbBroad304_03892		BC112242	60506	NYX	no errors	hORFeome V8.1 Collection	60506	NYX	NM_022567.2	Full Length 100% match
ccsbBroadEn_03893	ccsbBroad304_03893		BC047290	60559	SPCS3	no errors	hORFeome V8.1 Collection	60559	SPCS3	NM_021928.3	Full Length 100% match
ccsbBroadEn_03894	ccsbBroad304_03894		BC068483	60561	RINT1	no errors	hORFeome V8.1 Collection	60561	RINT1	NM_021930.4	Full Length 100% match
ccsbBroadEn_03895	ccsbBroad304_03895		BC062684	60592	SCOC	no errors	hORFeome V8.1 Collection	60592	SCOC	NM_001153635.1	Full Length 100% match
ccsbBroadEn_03896	ccsbBroad304_03896	454	BC005151,BC009937	60673	C12orf44	no errors	hORFeome V8.1 Collection	60673	C12orf44	NM_001098673.1; NM_021934.4	Full Length 100% match
ccsbBroadEn_03897	ccsbBroad304_03897		BC098162	60675	PROK2	no errors	hORFeome V8.1 Collection	60675	PROK2	NM_001126128.1	Full Length 100% match
ccsbBroadEn_03898	ccsbBroad304_03898		BC028074	60682	SMAP1	no errors	hORFeome V8.1 Collection	60682	SMAP1	NM_021940.3	Full Length 100% match
ccsbBroadEn_03899	ccsbBroad304_03899		BC031481	60685	ZFAND3	no errors	hORFeome V8.1 Collection	60685	ZFAND3	NM_021943.2	Full Length 100% match
ccsbBroadEn_03900	ccsbBroad304_03900		BC007031	63036	CELA2A	no errors	hORFeome V8.1 Collection	63036	CELA2A	NM_033440.2	Full Length 100% match
ccsbBroadEn_03901	ccsbBroad304_03901	454	BC074728	63826	SRR	no errors	hORFeome V8.1 Collection	63826	SRR	NM_021947.1	Full Length 100% match
ccsbBroadEn_03902	ccsbBroad304_03902		BC024779	63874	ABHD4	no errors	hORFeome V8.1 Collection	63874	ABHD4	NM_022060.2	Full Length 100% match
ccsbBroadEn_03903	ccsbBroad304_03903	454	BC024779	63874	ABHD4	no errors	hORFeome V8.1 Collection	63874	ABHD4	NM_022060.2	Full Length 100% match
ccsbBroadEn_03904	ccsbBroad304_03904		BC023577	63877	C10orf84	no errors	hORFeome V8.1 Collection	63877	C10orf84	NM_022063.2; NM_001134672.1	Full Length 100% match
ccsbBroadEn_03905	ccsbBroad304_03905		BC119755	63904	DUSP21	no errors	hORFeome V8.1 Collection	63904	DUSP21	NM_022076.3	Full Length 100% match
ccsbBroadEn_03906	ccsbBroad304_03906		BC014672,BC016822	63905	MANBAL	no errors	hORFeome V8.1 Collection	63905	MANBAL	NM_001003897.1; NM_022077.3	Full Length 100% match
ccsbBroadEn_03907	ccsbBroad304_03907		BC119644	63915	MUTED	no errors	hORFeome V8.1 Collection	63915	MUTED	NM_201280.2	Full Length 100% match
ccsbBroadEn_03908	ccsbBroad304_03908		BC001681	63929	XPNPEP3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	63929	XPNPEP3	NM_022098.2	Full Length 100% match
ccsbBroadEn_03909	ccsbBroad304_03909		BC009788	63931	MRPS14	no errors	hORFeome V8.1 Collection	63931	MRPS14	NM_022100.2	Full Length 100% match
ccsbBroadEn_03910	ccsbBroad304_03910	454	BC016850	63933	CCDC90A	no errors	hORFeome V8.1 Collection	63933	CCDC90A	NM_001031713.2	Full Length 100% match
ccsbBroadEn_03911	ccsbBroad304_03911		BC054002	63939	C20orf177	no errors	hORFeome V8.1 Collection	63939	C20orf177	NM_022106.2; NM_001190826.1	Full Length 100% match
ccsbBroadEn_03912	ccsbBroad304_03912		BC018724	63940	GPSM3	no errors	hORFeome V8.1 Collection	63940	GPSM3	NM_022107.1	Full Length 100% match
ccsbBroadEn_03913	ccsbBroad304_03913		BC004168,BC011966	63943	FKBPL	no errors	hORFeome V8.1 Collection	63943	FKBPL	NM_022110.3	Full Length 100% match
ccsbBroadEn_03914	ccsbBroad304_03914		BC051867	63979	FIGNL1	no errors	hORFeome V8.1 Collection	63979	FIGNL1	NM_022116.3; NM_001042762.1	Full Length 100% match
ccsbBroadEn_03915	ccsbBroad304_03915		BC041655	64062	RBM26	no errors	hORFeome V8.1 Collection	64062	RBM26	NM_022118.3	Full Length 100% match
ccsbBroadEn_03916	ccsbBroad304_03916		BC009726	64063	PRSS22	no errors	hORFeome V8.1 Collection	64063	PRSS22	NM_022119.3	Full Length 100% match
ccsbBroadEn_03917	ccsbBroad304_03917		BC017425	64080	RBKS	no errors	hORFeome V8.1 Collection	64080	RBKS	NM_022128.1	Full Length 100% match
ccsbBroadEn_03918	ccsbBroad304_03918		BC012123,BC063586	64083	GOLPH3	no errors	hORFeome V8.1 Collection	64083	GOLPH3	NM_022130.3	Full Length 100% match
ccsbBroadEn_03919	ccsbBroad304_03919		BC033630	64089	SNX16	no errors	hORFeome V8.1 Collection	64089	SNX16	NM_152836.2; NM_022133.3	Full Length 100% match
ccsbBroadEn_03920	ccsbBroad304_03920		BC029112	64092	SAMSN1	no errors	hORFeome V8.1 Collection	64092	SAMSN1	NM_022136.3	Full Length 100% match
ccsbBroadEn_03921	ccsbBroad304_03921		BC011548	64093	SMOC1	no errors	hORFeome V8.1 Collection	64093	SMOC1	NM_001034852.1	Full Length 100% match
ccsbBroadEn_03922	ccsbBroad304_03922		BC008608	64093	SMOC1	no errors	hORFeome V8.1 Collection	64093	SMOC1	NM_022137.4	Full Length 100% match
ccsbBroadEn_03923	ccsbBroad304_03923		BC111561	64101	LRRC4	no errors	hORFeome V8.1 Collection	64101	LRRC4	NM_022143.4	Full Length 100% match
ccsbBroadEn_03924	ccsbBroad304_03924		BC005400,BC008504	64105	CENPK	no errors	hORFeome V8.1 Collection	64105	CENPK	NM_022145.3	Full Length 100% match
ccsbBroadEn_03925	ccsbBroad304_03925		BC015044	64112	MOAP1	no errors	hORFeome V8.1 Collection	64112	MOAP1	NM_022151.4	Full Length 100% match
ccsbBroadEn_03926	ccsbBroad304_03926		BC012125	64116	SLC39A8	no errors	hORFeome V8.1 Collection	64116	SLC39A8	NM_022154.5; NM_001135146.1	Full Length 100% match
ccsbBroadEn_03927	ccsbBroad304_03927		BC062566,BC064918	64118	DUS1L	no errors	hORFeome V8.1 Collection	64118	DUS1L	NM_022156.3	Full Length 100% match
ccsbBroadEn_03928	ccsbBroad304_03928		BC016668	64121	RRAGC	no errors	hORFeome V8.1 Collection	64121	RRAGC	NM_022157.2	Full Length 100% match
ccsbBroadEn_03929	ccsbBroad304_03929		BC064633	64129	TINAGL1	no errors	hORFeome V8.1 Collection	64129	TINAGL1	NM_022164.2	Full Length 100% match



ccsbBroadEn_03930	ccsbBroad304_03930	454	BC027618	64130	LIN7B	no errors	hORFeome V8.1 Collection	64130	LIN7B	NM_022165.2	Full Length 100% match
ccsbBroadEn_03931	ccsbBroad304_03931		BC106940	64145	ZFYVE20	no errors	hORFeome V8.1 Collection	64145	ZFYVE20	NM_022340.2	Full Length 100% match
ccsbBroadEn_03932	Failed LR reaction		BC026017,BC054035	64149	C17orf75	no errors	hORFeome V8.1 Collection	64149	C17orf75	NM_022344.2	Full Length 100% match
ccsbBroadEn_03933	ccsbBroad304_03933		BC008877	64170	CARD9	no errors	hORFeome V8.1 Collection	64170	CARD9	NM_052814.3	Full Length 100% match
ccsbBroadEn_03934	ccsbBroad304_03934	454	BC108311	64175	LEPRE1	no errors	hORFeome V8.1 Collection	64175	LEPRE1	NM_001146289.1	Full Length 100% match
ccsbBroadEn_03935	ccsbBroad304_03935		BC022323	64208	POPDC3	no errors	hORFeome V8.1 Collection	64208	POPDC3	NM_022361.4	Full Length 100% match
ccsbBroadEn_03936	ccsbBroad304_03936		BC075803	64219	PJA1	no errors	hORFeome V8.1 Collection	64219	PJA1	NM_145119.3	Full Length 100% match
ccsbBroadEn_03937	ccsbBroad304_03937		BC001313,BC017119	64223	MLST8	no errors	hORFeome V8.1 Collection	64223	MLST8	NM_022372.4; NM_001199173.1; NM_001199174.1	Full Length 100% match
ccsbBroadEn_03938	ccsbBroad304_03938		BC050426	64284	RAB17	no errors	hORFeome V8.1 Collection	64284	RAB17	NM_022449.3	Full Length 100% match
ccsbBroadEn_03939	ccsbBroad304_03939		BC015612	64320	RNF25	no errors	hORFeome V8.1 Collection	64320	RNF25	NM_022453.2	Full Length 100% match
ccsbBroadEn_03940	ccsbBroad304_03940	454	BC094728	64326	RFWD2	no errors	hORFeome V8.1 Collection	64326	RFWD2	NM_022457.5	Full Length 100% match
ccsbBroadEn_03941	ccsbBroad304_03941		BC011380,BC018723	64377	CHST8	no errors	hORFeome V8.1 Collection	64377	CHST8	NM_022467.3; NM_001127896.1; NM_001127895.1	Full Length 100% match
ccsbBroadEn_03942	ccsbBroad304_03942		BC002896	64393	ZMAT3	no errors	hORFeome V8.1 Collection	64393	ZMAT3	NM_022470.3	Full Length 100% match
ccsbBroadEn_03943	ccsbBroad304_03943		BC007420	64395	GMCL1	no errors	hORFeome V8.1 Collection	64395	GMCL1	NM_178439.3	Full Length 100% match
ccsbBroadEn_03944	ccsbBroad304_03944		BC129933	64398	MPP5	no errors	hORFeome V8.1 Collection	64398	MPP5	NM_022474.2	Full Length 100% match
ccsbBroadEn_03945	ccsbBroad304_03945		BC001134	64400	AKTIP	no errors	hORFeome V8.1 Collection	64400	AKTIP	NM_001012398.1	Full Length 100% match
ccsbBroadEn_03946	ccsbBroad304_03946		BC063832,BC119658	64417	C5orf28	no errors	hORFeome V8.1 Collection	64417	C5orf28	NM_022483.4	Full Length 100% match
ccsbBroadEn_03947	ccsbBroad304_03947		BC035690	64419	MTMR14	no errors	hORFeome V8.1 Collection	64419	MTMR14	NM_001077525.2	Full Length 100% match
ccsbBroadEn_03948	ccsbBroad304_03948		BC050626	64419	MTMR14	no errors	hORFeome V8.1 Collection	64419	MTMR14	NM_001077526.2	Full Length 100% match
ccsbBroadEn_03949	Failed LR reaction		BC009185	64421	DCLRE1C	no errors	hORFeome V8.1 Collection	64421	DCLRE1C	NM_022487.2	Full Length 100% match
ccsbBroadEn_03950	ccsbBroad304_03950		BC024221	64422	ATG3	no errors	hORFeome V8.1 Collection	64422	ATG3	NM_022488.3	Full Length 100% match
ccsbBroadEn_03951	ccsbBroad304_03951		BC030248	64428	NARFL	no errors	hORFeome V8.1 Collection	64428	NARFL	NM_022493.1	Full Length 100% match
ccsbBroadEn_03952	ccsbBroad304_03952		BC015107	64431	ACTR6	no errors	hORFeome V8.1 Collection	64431	ACTR6	NM_022496.3	Full Length 100% match
ccsbBroadEn_03953	ccsbBroad304_03953		BC003590	64432	MRPS25	no errors	hORFeome V8.1 Collection	64432	MRPS25	NM_022497.3	Full Length 100% match
ccsbBroadEn_03954	ccsbBroad304_03954		BC050629	64506	CPEB1	no errors	hORFeome V8.1 Collection	64506	CPEB1	NM_030594.3	Full Length 100% match
ccsbBroadEn_03955	ccsbBroad304_03955		BC113862	64577	ALDH8A1	no errors	hORFeome V8.1 Collection	64577	ALDH8A1	NM_022568.3	Full Length 100% match
ccsbBroadEn_03956	ccsbBroad304_03956	454	BC005042,BC011653	64598	MOSPD3	no errors	hORFeome V8.1 Collection	64598	MOSPD3	NM_001040097.1; NM_001040098.1;	Full Length 100% match
ccsbBroadEn_03957	ccsbBroad304_03957		BC103961	64648	SPANXD	no errors	hORFeome V8.1 Collection	64648	SPANXD	NM_023948.4	Full Length 100% match
ccsbBroadEn_03958	ccsbBroad304_03958		BC054023	64663	SPANXC	no errors	hORFeome V8.1 Collection	64663	SPANXC	NM_032417.2	Full Length 100% match
ccsbBroadEn_03959	ccsbBroad304_03959		BC075854	64689	GORASP1	no errors	hORFeome V8.1 Collection	64689	GORASP1	NM_022661.2	Full Length 100% match
ccsbBroadEn_03960	ccsbBroad304_03960		BC031065	64693	CTAGE1	no errors	hORFeome V8.1 Collection	64693	CTAGE1	NM_031899.2	Full Length 100% match
ccsbBroadEn_03961	ccsbBroad304_03961	454	BC093876	64750	SMURF2	no errors	hORFeome V8.1 Collection	64750	SMURF2	NM_172241.2	Full Length 100% match
ccsbBroadEn_03962	ccsbBroad304_03962	454	BC001184	64763	ZNF574	no errors	hORFeome V8.1 Collection	64763	ZNF574	NM_022739.3	Full Length 100% match
ccsbBroadEn_03963	ccsbBroad304_03963	454	BC026154	64768	IPPK	no errors	hORFeome V8.1 Collection	64768	IPPK	NM_022752.5	Full Length 100% match
ccsbBroadEn_03964	ccsbBroad304_03964		BC002328,BC010184	64771	C6orf106	no errors	hORFeome V8.1 Collection	64771	C6orf106	NM_022755.5	Full Length 100% match
ccsbBroadEn_03965	ccsbBroad304_03965		BC051816	64773	FAM113A	no errors	hORFeome V8.1 Collection	64773	FAM113A	NM_024294.2	Full Length 100% match
ccsbBroadEn_03966	ccsbBroad304_03966		BC020628	64776	C11orf1	no errors	hORFeome V8.1 Collection	64776	C11orf1	NM_022760.3	Full Length 100% match
ccsbBroadEn_03967	ccsbBroad304_03967		BC005879,BC014437	64785	GINS3	no errors	hORFeome V8.1 Collection	64785	GINS3	NM_022761.2	Full Length 100% match
ccsbBroadEn_03968	ccsbBroad304_03968		BC009823	64792	RABL5	no errors	hORFeome V8.1 Collection	64792	RABL5	NM_022770.3	Full Length 100% match
ccsbBroadEn_03969	ccsbBroad304_03969		BC004522	64792	RABL5	no errors	hORFeome V8.1 Collection	64792	RABL5	NM_022777.2	Full Length 100% match
ccsbBroadEn_03970	ccsbBroad304_03970		BC047668	64795	RMND5A	no errors	hORFeome V8.1 Collection	64795	RMND5A	NM_001130820.1	Full Length 100% match
ccsbBroadEn_03971	ccsbBroad304_03971		BC016309	64801	ARV1	no errors	hORFeome V8.1 Collection	64801	ARV1	NM_022780.3	Full Length 100% match
ccsbBroadEn_03972	ccsbBroad304_03972		BC014943	64802	NMNAT1	no errors	hORFeome V8.1 Collection	64802	NMNAT1	NM_022786.1	Full Length 100% match
ccsbBroadEn_03973	ccsbBroad304_03973		BC000618	64834	ELOVL1	no errors	hORFeome V8.1 Collection	64834	ELOVL1	NM_022787.3	Full Length 100% match
ccsbBroadEn_03974	ccsbBroad304_03974		BC034373	64837	KLC2	no errors	hORFeome V8.1 Collection	64837	KLC2	NM_022821.2	Full Length 100% match
ccsbBroadEn_03975	ccsbBroad304_03975		BC032725	64838	FNDC4	no errors	hORFeome V8.1 Collection	64838	FNDC4	NM_001134775.1; NM_001134776.1	Full Length 100% match
ccsbBroadEn_03976	ccsbBroad304_03976		BC019080	64840	PORCN	no errors	hORFeome V8.1 Collection	64840	PORCN	NM_022823.2	Full Length 100% match
ccsbBroadEn_03977	ccsbBroad304_03977		BC012179	64841	GNPNAT1	no errors	hORFeome V8.1 Collection	64841	GNPNAT1	NM_203473.1	Full Length 100% match
ccsbBroadEn_03978	ccsbBroad304_03978		BC022526	64850	AGXT2L1	no errors	hORFeome V8.1 Collection	64850	AGXT2L1	NM_198066.3	Full Length 100% match
ccsbBroadEn_03979	ccsbBroad304_03979		BC015535	64853	AIDA	no errors	hORFeome V8.1 Collection	64853	AIDA	NM_031279.3	Full Length 100% match
ccsbBroadEn_03980	ccsbBroad304_03980		BC029687	64858	DCLRE1B	no errors	hORFeome V8.1 Collection	64858	DCLRE1B	NM_022831.2	Full Length 100% match
ccsbBroadEn_03981	ccsbBroad304_03981		BC021099	64866	CDCP1	no errors	hORFeome V8.1 Collection	64866	CDCP1	NM_022836.3	Full Length 100% match
ccsbBroadEn_03982	ccsbBroad304_03982		BC111701	64895	PAPOLG	no errors	hORFeome V8.1 Collection	64895	PAPOLG	NM_178181.1	Full Length 100% match
ccsbBroadEn_03983	ccsbBroad304_03983		BC126156	64922	LRRC19	no errors	hORFeome V8.1 Collection	64922	LRRC19	NM_022894.3	Full Length 100% match
ccsbBroadEn_03984	ccsbBroad304_03984		BC000808,BC017441	64924	SLC30A5	no errors	hORFeome V8.1 Collection	64924	SLC30A5	NM_022901.2	Full Length 100% match
ccsbBroadEn_03985	ccsbBroad304_03985		BC065005	64928	MRPL14	no errors	hORFeome V8.1 Collection	64928	MRPL14	NM_024055.2	Full Length 100% match
ccsbBroadEn_03986	ccsbBroad304_03986		BC026058	64940	STAG3L4	no errors	hORFeome V8.1 Collection	64940	STAG3L4	NM_032111.2	Full Length 100% match
ccsbBroadEn_03987	ccsbBroad304_03987		BC012024,BC015355	64946	CENPH	no errors	hORFeome V8.1 Collection	64946	CENPH	NM_022906.2	Full Length 100% match
ccsbBroadEn_03988	ccsbBroad304_03988		BC013018	64949	MRPS26	no errors	hORFeome V8.1 Collection	64949	MRPS26	NM_022909.3	Full Length 100% match
ccsbBroadEn_03989	ccsbBroad304_03989		BC012167	64951	MRPS24	no errors	hORFeome V8.1 Collection	64951	MRPS24	NM_030811.3	Full Length 100% match
ccsbBroadEn_03990	ccsbBroad304_03990		BC032378	64963	MRPS11	no errors	hORFeome V8.1 Collection	64963	MRPS11	NM_032014.2	Full Length 100% match
ccsbBroadEn_03991	ccsbBroad304_03991	454	BC057240	64965	MRPS9	no errors	hORFeome V8.1 Collection	64965	MRPS9	NM_022839.3	Full Length 100% match
ccsbBroadEn_03992	ccsbBroad304_03992		BC014172	64969	MRPS5	no errors	hORFeome V8.1 Collection	64969	MRPS5	NM_182640.2	Full Length 100% match
ccsbBroadEn_03993	ccsbBroad304_03993		BC040035	64975	MRPL41	no errors	hORFeome V8.1 Collection	64975	MRPL41	NM_031902.3	Full Length 100% match
ccsbBroadEn_03994	ccsbBroad304_03994		BC000071,BC021801	64981	MRPL34	no errors	hORFeome V8.1 Collection	64981	MRPL34	NM_032477.2	Full Length 100% match
ccsbBroadEn_03995	ccsbBroad304_03995		BC011787	65078	RTN4R	no errors	hORFeome V8.1 Collection	65078	RTN4R	NM_023937.3	Full Length 100% match
ccsbBroadEn_03996	ccsbBroad304_03996		BC012058	65080	MRPL44	no errors	hORFeome V8.1 Collection	65080	MRPL44	NM_023004.5	Full Length 100% match
ccsbBroadEn_03997	ccsbBroad304_03997	454	BC023569	65110	UPF3A	no errors	hORFeome V8.1 Collection	65110	UPF3A	NM_022915.3	Full Length 100% match
ccsbBroadEn_03998	ccsbBroad304_03998	454	BC048299	65244	SPATS2	no errors	hORFeome V8.1 Collection	65244	SPATS2	NM_080687.2	Full Length 100% match
ccsbBroadEn_03999	ccsbBroad304_03999		BC010001	65265	C8orf33	no errors	hORFeome V8.1 Collection	65265	C8orf33	NM_023071.3	Full Length 100% match
ccsbBroadEn_04000	ccsbBroad304_04000		BC008590	65983	GRAMD3	no errors	hORFeome V8.1 Collection	65983	GRAMD3	NM_023080.2	Full Length 100% match
ccsbBroadEn_04001	ccsbBroad304_04001		BC001361	65988	ZNF747	no errors	hORFeome V8.1 Collection	65988	ZNF747	NM_023927.2	Full Length 100% match
ccsbBroadEn_04002	Failed LR reaction	454	BC001181	65990	FAM173A	no errors	hORFeome V8.1 Collection	65990	FAM173A	NM_023931.2	Full Length 100% match
ccsbBroadEn_04003	ccsbBroad304_04003		BC000255	65991	FUNDC2	no errors	hORFeome V8.1 Collection	65991	FUNDC2	NM_023933.1	Full Length 100% match
ccsbBroadEn_04004	ccsbBroad304_04004		BC000643,BC011851	65992	DDRGK1	no errors	hORFeome V8.1 Collection	65992	DDRGK1	NM_023934.3	Full Length 100% match
ccsbBroadEn_04005	Failed LR reaction		BC001182	65993	MRPS34	no errors	hORFeome V8.1 Collection	65993	MRPS34	NM_023935.1	Full Length 100% match
ccsbBroadEn_04006	ccsbBroad304_04006		BC001087,BC025694	65997	RASL11B	no errors	hORFeome V8.1 Collection	65997	RASL11B	NM_023936.1	Full Length 100% match
ccsbBroadEn_04007	ccsbBroad304_04007		BC001354	65999	LRRC61	no errors	hORFeome V8.1 Collection	65999	LRRC61	NM_023940.2	Full Length 100% match
ccsbBroadEn_04008	ccsbBroad304_04008		BC000568	66000	TMEM108	no errors	hORFeome V8.1 Collection	66000	TMEM108	NM_023942.2; NM_001142928.1	Full Length 100% match
ccsbBroadEn_04009	ccsbBroad304_04009		BC000001	66005	CHID1	no errors	hORFeome V8.1 Collection	66005	CHID1	NM_001136469.1; NM_023943.2	Full Length 100% match
										NM_001142675.1; NM_023947.3; NM_001142674.1	Full Length 100% match



ccsbBroadEn_04010	ccsbBroad304_04010		BC034990	66036	MTMR9	no errors	hORFeome V8.1 Collection	66036	MTMR9	NM_015458.3	Full Length 100% match
ccsbBroadEn_04011	ccsbBroad304_04011		BC033674	66037	BOLL	no errors	hORFeome V8.1 Collection	66037	BOLL	NM_033030.5	Full Length 100% match
ccsbBroadEn_04012	ccsbBroad304_04012		BC001613	78986	DUSP26	no errors	hORFeome V8.1 Collection	78986	DUSP26	NM_024025.1	Full Length 100% match
ccsbBroadEn_04013	ccsbBroad304_04013		BC000078	78989	COLEC11	no errors	hORFeome V8.1 Collection	78989	COLEC11	NM_024027.3	Full Length 100% match
ccsbBroadEn_04014	ccsbBroad304_04014		BC013014	78992	YIPF2	no errors	hORFeome V8.1 Collection	78992	YIPF2	NM_024029.3	Full Length 100% match
ccsbBroadEn_04015	ccsbBroad304_04015		BC000119,BC050677	78994	PRR14	no errors	hORFeome V8.1 Collection	78994	PRR14	NM_024031.2	Full Length 100% match
ccsbBroadEn_04016	ccsbBroad304_04016		BC000199,BC009014	78997	GDAP1L1	no errors	hORFeome V8.1 Collection	78997	GDAP1L1	NM_024034.3	Full Length 100% match
ccsbBroadEn_04017	ccsbBroad304_04017		BC015581	78999	LRFN4	no errors	hORFeome V8.1 Collection	78999	LRFN4	NM_024036.4	Full Length 100% match
ccsbBroadEn_04018	ccsbBroad304_04018		BC002911	79001	VKORC1	no errors	hORFeome V8.1 Collection	79001	VKORC1	NM_024006.4	Full Length 100% match
ccsbBroadEn_04019	ccsbBroad304_04019		BC000229	79003	MIS12	no errors	hORFeome V8.1 Collection	79003	MIS12	NM_024039.1	Full Length 100% match
ccsbBroadEn_04020	ccsbBroad304_04020		BC000264	79005	SCNM1	no errors	hORFeome V8.1 Collection	79005	SCNM1	NM_024041.2	Full Length 100% match
ccsbBroadEn_04021	ccsbBroad304_04021	454	BC000700	79007	DBNDD1	no errors	hORFeome V8.1 Collection	79007	DBNDD1	NM_024043.2	Full Length 100% match
ccsbBroadEn_04022	ccsbBroad304_04022		BC130545,BC130547	79008	SLX1B	no errors	hORFeome V8.1 Collection	548593; 79008	SLX1A; SLX1B	NM_001015000.2; NM_178044.2	Full Length 100% match
ccsbBroadEn_04023	ccsbBroad304_04023	454	BC000754,BC015990	79008	SLX1B	no errors	hORFeome V8.1 Collection	548593; 79008	SLX1A; SLX1B	NM_001014999.2; NM_024044.3	Full Length 100% match
ccsbBroadEn_04024	ccsbBroad304_04024		BC000272	79009	DDX50	no errors	hORFeome V8.1 Collection	79009	DDX50	NM_024045.1	Full Length 100% match
ccsbBroadEn_04025	ccsbBroad304_04025		BC000615	79016	DDA1	no errors	hORFeome V8.1 Collection	79016	DDA1	NM_024050.5	Full Length 100% match
ccsbBroadEn_04026	ccsbBroad304_04026		BC000625,BC019243	79017	GGCT	no errors	hORFeome V8.1 Collection	79017	GGCT	NM_024051.2	Full Length 100% match
ccsbBroadEn_04027	ccsbBroad304_04027		BC000705,BC007495	79019	CENPM	no errors	hORFeome V8.1 Collection	79019	CENPM	NM_024053.3	Full Length 100% match
ccsbBroadEn_04028	ccsbBroad304_04028		BC000769	79020	C7orf25	no errors	hORFeome V8.1 Collection	79020	C7orf25	NM_024054.2 NM_024056.3;	Full Length 100% match
ccsbBroadEn_04029	ccsbBroad304_04029		BC000854	79022	TMEM106C	no errors	hORFeome V8.1 Collection	79022	TMEM106C	NM_001143842.1	Full Length 100% match
ccsbBroadEn_04030	ccsbBroad304_04030		BC000912	79025	C20orf195	no errors	hORFeome V8.1 Collection	79025	C20orf195	NM_024059.2	Full Length 100% match
ccsbBroadEn_04031	ccsbBroad304_04031		BC001021	79031	PDCL3	no errors	hORFeome V8.1 Collection	79031	PDCL3	NM_024065.4	Full Length 100% match
ccsbBroadEn_04032	ccsbBroad304_04032		BC001079,BC006171	79035	QBFC2B	no errors	hORFeome V8.1 Collection	79035	QBFC2B	NM_024068.3	Full Length 100% match
ccsbBroadEn_04033	ccsbBroad304_04033		BC073861	79037	PVRIG	no errors	hORFeome V8.1 Collection	79037	PVRIG	NM_024070.3	Full Length 100% match
ccsbBroadEn_04034	ccsbBroad304_04034		BC005999	79038	ZFYVE21	no errors	hORFeome V8.1 Collection	79038	ZFYVE21	NM_024071.3	Full Length 100% match
ccsbBroadEn_04035	ccsbBroad304_04035		BC001195	79041	TMEM38A	no errors	hORFeome V8.1 Collection	79041	TMEM38A	NM_024074.1	Full Length 100% match
ccsbBroadEn_04036	ccsbBroad304_04036		BC063393	79056	PRRG4	no errors	hORFeome V8.1 Collection	79056	PRRG4	NM_024081.4	Full Length 100% match
ccsbBroadEn_04037	ccsbBroad304_04037		BC127679	79064	TMEM223	no errors	hORFeome V8.1 Collection	79064	TMEM223	NM_001080501.2	Full Length 100% match
ccsbBroadEn_04038	ccsbBroad304_04038	454	BC001305	79071	ELOVL6	no errors	hORFeome V8.1 Collection	79071	ELOVL6	NM_001130721.1; NM_024090.2	Full Length 100% match
ccsbBroadEn_04039	ccsbBroad304_04039		BC001310	79074	C2orf49	no errors	hORFeome V8.1 Collection	79074	C2orf49	NM_024093.1	Full Length 100% match
ccsbBroadEn_04040	ccsbBroad304_04040		BC001531	79075	DSCC1	no errors	hORFeome V8.1 Collection	79075	DSCC1	NM_024094.2	Full Length 100% match
ccsbBroadEn_04041	ccsbBroad304_04041		BC001344	79077	DCTPP1	no errors	hORFeome V8.1 Collection	79077	DCTPP1	NM_024096.1	Full Length 100% match
ccsbBroadEn_04042	ccsbBroad304_04042	454	BC001434	79081	C11orf48	no errors	hORFeome V8.1 Collection	79081	C11orf48	NM_024099.3	Full Length 100% match
ccsbBroadEn_04043	ccsbBroad304_04043		BC001653	79083	MLPH	no errors	hORFeome V8.1 Collection	79083	MLPH	NM_024101.5	Full Length 100% match
ccsbBroadEn_04044	ccsbBroad304_04044		BC051269	79083	MLPH	no errors	hORFeome V8.1 Collection	79083	MLPH	NM_001042467.1	Full Length 100% match
ccsbBroadEn_04045	ccsbBroad304_04045		BC001729	79087	ALG12	no errors	hORFeome V8.1 Collection	79087	ALG12	NM_024105.3	Full Length 100% match
ccsbBroadEn_04046	ccsbBroad304_04046		BC001791	79088	ZNF426	no errors	hORFeome V8.1 Collection	79088	ZNF426	NM_024106.1 NM_177441.2;	Full Length 100% match
ccsbBroadEn_04047	ccsbBroad304_04047		BC063489	79089	TMUB2	no errors	hORFeome V8.1 Collection	79089	TMUB2	NM_024107.2	Full Length 100% match
ccsbBroadEn_04048	ccsbBroad304_04048		BC001857,BC008887	79095	C9orf16	no errors	hORFeome V8.1 Collection	79095	C9orf16	NM_024112.3	Full Length 100% match
ccsbBroadEn_04049	ccsbBroad304_04049		BC009455	79096	C11orf49	no errors	hORFeome V8.1 Collection	79096	C11orf49	NM_001003676.1	Full Length 100% match
ccsbBroadEn_04050	ccsbBroad304_04050		BC013988	79096	C11orf49	no errors	hORFeome V8.1 Collection	79096	C11orf49	NM_001003677.1	Full Length 100% match
ccsbBroadEn_04051	ccsbBroad304_04051		BC001972	79101	TAF1D	no errors	hORFeome V8.1 Collection	79101	TAF1D	NM_024116.3	Full Length 100% match
ccsbBroadEn_04052	ccsbBroad304_04052		BC073158	79133	C20orf7	no errors	hORFeome V8.1 Collection	79133	C20orf7	NM_001039375.2	Full Length 100% match
ccsbBroadEn_04053	ccsbBroad304_04053		BC002457	79139	DERL1	no errors	hORFeome V8.1 Collection	79139	DERL1	NM_024295.4	Full Length 100% match
ccsbBroadEn_04054	ccsbBroad304_04054		BC002509	79142	PHF23	no errors	hORFeome V8.1 Collection	79142	PHF23	NM_024297.2	Full Length 100% match
ccsbBroadEn_04055	ccsbBroad304_04055		BC002546	79145	CHCHD7	no errors	hORFeome V8.1 Collection	79145	CHCHD7	NM_001011671.1	Full Length 100% match
ccsbBroadEn_04056	ccsbBroad304_04056		BC011774	79148	MMP28	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	79148	MMP28	NM_001032278.1	Full Length 100% match
ccsbBroadEn_04057	ccsbBroad304_04057		BC002636	79149	ZSCAN5A	no errors	hORFeome V8.1 Collection	79149	ZSCAN5A	NM_024303.1	Full Length 100% match
ccsbBroadEn_04058	ccsbBroad304_04058		BC002744	79156	PLEKHF1	no errors	hORFeome V8.1 Collection	79156	PLEKHF1	NM_024310.4	Full Length 100% match
ccsbBroadEn_04059	Failed LR reaction		BC002753,BC062563	79157	MFSD11	no errors	hORFeome V8.1 Collection	79157	MFSD11	NM_024311.2	Full Length 100% match
ccsbBroadEn_04060	ccsbBroad304_04060		BC002808	79159	NOL12	no errors	hORFeome V8.1 Collection	79159	NOL12	NM_024313.2	Full Length 100% match
ccsbBroadEn_04061	ccsbBroad304_04061		BC002837	79161	C7orf23	no errors	hORFeome V8.1 Collection	79161	C7orf23	NM_024315.2	Full Length 100% match
ccsbBroadEn_04062	ccsbBroad304_04062		BC014986	79165	LENG1	no errors	hORFeome V8.1 Collection	79165	LENG1	NM_024316.1	Full Length 100% match
ccsbBroadEn_04063	ccsbBroad304_04063		BC002843	79169	C1orf35	no errors	hORFeome V8.1 Collection	79169	C1orf35	NM_024319.2	Full Length 100% match
ccsbBroadEn_04064	ccsbBroad304_04064		BC002865	79170	PRR15L	no errors	hORFeome V8.1 Collection	79170	PRR15L	NM_024320.2	Full Length 100% match
ccsbBroadEn_04065	ccsbBroad304_04065		BC004204	79171	RBM42	no errors	hORFeome V8.1 Collection	79171	RBM42	NM_024321.3	Full Length 100% match
ccsbBroadEn_04066	ccsbBroad304_04066		BC002870	79172	CENPO	no errors	hORFeome V8.1 Collection	79172	CENPO	NM_024322.2	Full Length 100% match
ccsbBroadEn_04067	ccsbBroad304_04067		BC002984	79178	THTPA	no errors	hORFeome V8.1 Collection	79178	THTPA	NM_001126339.1; NM_024328.3	Full Length 100% match
ccsbBroadEn_04068	ccsbBroad304_04068	454	BC003071	79183	TTPAL	no errors	hORFeome V8.1 Collection	79183	TTPAL	NM_001039199.1; NM_024331.3	Full Length 100% match
ccsbBroadEn_04069	ccsbBroad304_04069		BC002999	79184	BRCC3	no errors	hORFeome V8.1 Collection	79184	BRCC3	NM_024332.2	Full Length 100% match
ccsbBroadEn_04070	ccsbBroad304_04070		BC003125	79188	TMEM43	no errors	hORFeome V8.1 Collection	79188	TMEM43	NM_024334.2	Full Length 100% match
ccsbBroadEn_04071	ccsbBroad304_04071	454	BC137523	79295	OR5H6	no errors	hORFeome V8.1 Collection	79295	OR5H6	NM_001005479.1	Full Length 100% match
ccsbBroadEn_04072	ccsbBroad304_04072		BC005342	79366	HMGN5	no errors	hORFeome V8.1 Collection	79366	HMGN5	NM_030763.2	Full Length 100% match
ccsbBroadEn_04073	ccsbBroad304_04073		BC025778	79370	BCL2L14	no errors	hORFeome V8.1 Collection	79370	BCL2L14	NM_138722.1; NM_138723.1	Full Length 100% match
ccsbBroadEn_04074	ccsbBroad304_04074		BC003595	79415	C17orf62	no errors	hORFeome V8.1 Collection	79415	C17orf62	NM_001100407.2; NM_001033046.3; NM_001193653.1; NM_001193654.1; NM_001193655.1;	Full Length 100% match
ccsbBroadEn_04075	ccsbBroad304_04075		BC003640	79447	C16orf53	no errors	hORFeome V8.1 Collection	79447	C16orf53	NM_024516.3	Full Length 100% match
ccsbBroadEn_04076	ccsbBroad304_04076		BC120953	79541	OR2A4	no errors	hORFeome V8.1 Collection	79541	OR2A4	NM_030908.1	Full Length 100% match
ccsbBroadEn_04077	ccsbBroad304_04077		BC017959	79568	C2orf47	no errors	hORFeome V8.1 Collection	79568	C2orf47	NM_024520.2	Full Length 100% match
ccsbBroadEn_04078	ccsbBroad304_04078		BC014100	79571	GCC1	no errors	hORFeome V8.1 Collection	79571	GCC1	NM_024523.5	Full Length 100% match
ccsbBroadEn_04079	ccsbBroad304_04079	454	BC020173	79575	ABHD8	no errors	hORFeome V8.1 Collection	79575	ABHD8	NM_024527.4	Full Length 100% match
ccsbBroadEn_04080	ccsbBroad304_04080		BC032442	79576	NKAP	no errors	hORFeome V8.1 Collection	79576	NKAP	NM_024528.3	Full Length 100% match
ccsbBroadEn_04081	ccsbBroad304_04081		BC065037	79577	CDC73	no errors	hORFeome V8.1 Collection	79577	CDC73	NM_024529.4	Full Length 100% match
ccsbBroadEn_04082	ccsbBroad304_04082		BC002917	79581	GPR172A	no errors	hORFeome V8.1 Collection	79581	GPR172A	NM_024531.3	Full Length 100% match
ccsbBroadEn_04083	ccsbBroad304_04083		BC010609	79583	TMEM231	no errors	hORFeome V8.1 Collection	79583	TMEM231	NM_001077418.1	Full Length 100% match
ccsbBroadEn_04084	ccsbBroad304_04084		BC117289,BC117291	79585	CORO7	no errors	hORFeome V8.1 Collection	79585	CORO7	NM_024535.3	Full Length 100% match
ccsbBroadEn_04085	ccsbBroad304_04085		BC063404	79589	RNF128	no errors	hORFeome V8.1 Collection	79589	RNF128	NM_194463.1	Full Length 100% match
ccsbBroadEn_04086	ccsbBroad304_04086	454	BC062611	79600	TCTN1	no errors	hORFeome V8.1 Collection	79600	TCTN1	NM_001082537.2	Full Length 100% match
ccsbBroadEn_04087	ccsbBroad304_04087		BC051858	79602	ADIPOR2	no errors	hORFeome V8.1 Collection	79602	ADIPOR2	NM_024551.2	Full Length 100% match
ccsbBroadEn_04088	ccsbBroad304_04088		BC001340,BC001647	79607	FAM118B	no errors	hORFeome V8.1 Collection	79607	FAM118B	NM_024556.3	Full Length 100% match
ccsbBroadEn_04089	ccsbBroad304_04089		BC009317,BC015769	79611	ACSS3	no errors	hORFeome V8.1 Collection	79611	ACSS3	NM_024560.2	Full Length 100% match



ccsbBroadEn_04090	ccsbBroad304_04090		BC022250	79614	C5orf23	no errors	hORFeome V8.1 Collection	79614	C5orf23	NM_024563.3	Full Length 100% match
ccsbBroadEn_04091	ccsbBroad304_04091		BC011348	79624	C6orf211	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79624	C6orf211	NM_024573.1	Full Length 100% match
ccsbBroadEn_04092	ccsbBroad304_04092	454	BC063014	79626	TNFAIP8L2	no errors	hORFeome V8.1 Collection	79626	TNFAIP8L2	NM_024575.4	Full Length 100% match
ccsbBroadEn_04093	ccsbBroad304_04093		BC066936,BC066969	79635	CCDC121	no errors	hORFeome V8.1 Collection	79635	CCDC121	NM_024584.4	Full Length 100% match
ccsbBroadEn_04094	ccsbBroad304_04094		BC064520	79639	TMEM53	no errors	hORFeome V8.1 Collection	79639	TMEM53	NM_024587.2	Full Length 100% match
ccsbBroadEn_04095	ccsbBroad304_04095		BC010108	79643	CHMP6	no errors	hORFeome V8.1 Collection	79643	CHMP6	NM_024591.4	Full Length 100% match
ccsbBroadEn_04096	ccsbBroad304_04096		BC002480	79644	SRD5A3	no errors	hORFeome V8.1 Collection	79644	SRD5A3	NM_024592.3	Full Length 100% match
ccsbBroadEn_04097	ccsbBroad304_04097		BC025676	79645	EFCAB1	no errors	hORFeome V8.1 Collection	79645	EFCAB1	NM_024593.3	Full Length 100% match
ccsbBroadEn_04098	ccsbBroad304_04098	454	BC013705	79646	PANK3	no errors	hORFeome V8.1 Collection	79646	PANK3	NM_024594.3	Full Length 100% match
ccsbBroadEn_04099	ccsbBroad304_04099		BC004415,BC021554	79650	C16orf57	no errors	hORFeome V8.1 Collection	79650	C16orf57	NM_024598.3	Full Length 100% match
ccsbBroadEn_04100	ccsbBroad304_04100		BC004932	79652	TMEM204	no errors	hORFeome V8.1 Collection	79652	TMEM204	NM_024600.4	Full Length 100% match
ccsbBroadEn_04101	ccsbBroad304_04101		BC056415	79657	RPAP3	no errors	hORFeome V8.1 Collection	79657	RPAP3	NM_001146075.1	Full Length 100% match
ccsbBroadEn_04102	ccsbBroad304_04102		BC011897	79663	HSPBAP1	no errors	hORFeome V8.1 Collection	79663	HSPBAP1	NM_024610.4	Full Length 100% match
ccsbBroadEn_04103	ccsbBroad304_04103		BC024187	79665	DHX40	no errors	hORFeome V8.1 Collection	79665	DHX40	NM_024612.4	Full Length 100% match
ccsbBroadEn_04104	ccsbBroad304_04104		BC011806	79666	PLEKHF2	no errors	hORFeome V8.1 Collection	79666	PLEKHF2	NM_024613.3	Full Length 100% match
ccsbBroadEn_04105	ccsbBroad304_04105		BC007611,BC014408	79672	FN3KRP	no errors	hORFeome V8.1 Collection	79672	FN3KRP	NM_024619.3	Full Length 100% match
ccsbBroadEn_04106	ccsbBroad304_04106		BC113555	79674	VEPH1	no errors	hORFeome V8.1 Collection	79674	VEPH1	NM_001167912.1	Full Length 100% match
ccsbBroadEn_04107	ccsbBroad304_04107		BC131556,CCSB53246	79682	MLF1IP	no errors	hORFeome V8.1 Collection	79682	MLF1IP	NM_024629.3	Full Length 100% match
ccsbBroadEn_04108	ccsbBroad304_04108	454	BC020600	79689	STEAP4	no errors	hORFeome V8.1 Collection	79689	STEAP4	NM_001205316.1	Full Length 100% match
ccsbBroadEn_04109	ccsbBroad304_04109		BC050425	79692	ZNF322A	no errors	hORFeome V8.1 Collection	79692	ZNF322A	NM_024639.3	Full Length 100% match
ccsbBroadEn_04110	ccsbBroad304_04110		BC004259	79696	FAM164C	no errors	hORFeome V8.1 Collection	79696	FAM164C	NM_001042430.1	Full Length 100% match
ccsbBroadEn_04111	ccsbBroad304_04111	454	BC106064	79717	PPCS	no errors	hORFeome V8.1 Collection	79717	PPCS	NM_024664.2	Full Length 100% match
ccsbBroadEn_04112	ccsbBroad304_04112		BC058886	79719	AAGAB	no errors	hORFeome V8.1 Collection	79719	AAGAB	NM_024666.3	Full Length 100% match
ccsbBroadEn_04113	ccsbBroad304_04113		BC005882	79720	VPS37B	no errors	hORFeome V8.1 Collection	79720	VPS37B	NM_024667.2	Full Length 100% match
ccsbBroadEn_04114	ccsbBroad304_04114		BC007754	79723	SUV39H2	no errors	hORFeome V8.1 Collection	79723	SUV39H2	NM_001193425.1	Full Length 100% match
ccsbBroadEn_04115	ccsbBroad304_04115		BC029360	79723	SUV39H2	no errors	hORFeome V8.1 Collection	79723	SUV39H2	NM_001193426.1	Full Length 100% match
ccsbBroadEn_04116	ccsbBroad304_04116		BC028566	79727	LIN28A	no errors	hORFeome V8.1 Collection	79727	LIN28A	NM_024674.4	Full Length 100% match
ccsbBroadEn_04117	ccsbBroad304_04117		BC019033,BC023545	79751	SLC25A22	no errors	hORFeome V8.1 Collection	79751	SLC25A22	NM_024698.5; NM_001191060.1; NM_001191061.1	Full Length 100% match
ccsbBroadEn_04118	ccsbBroad304_04118		BC027040	79753	SNIP1	no errors	hORFeome V8.1 Collection	79753	SNIP1	NM_024700.2	Full Length 100% match
ccsbBroadEn_04119	ccsbBroad304_04119		BC009825	79758	DHRS12	no errors	hORFeome V8.1 Collection	79758	DHRS12	NM_001031719.1	Full Length 100% match
ccsbBroadEn_04120	ccsbBroad304_04120		BC007793	79760	GEMIN7	no errors	hORFeome V8.1 Collection	79760	GEMIN7	NM_024707.2; NM_001007270.1; NM_001007269.1	Full Length 100% match
ccsbBroadEn_04121	ccsbBroad304_04121	454	BC036067	79762	C1orf115	no errors	hORFeome V8.1 Collection	79762	C1orf115	NM_024709.4	Full Length 100% match
ccsbBroadEn_04122	ccsbBroad304_04122		BC017344	79763	ISOC2	no errors	hORFeome V8.1 Collection	79763	ISOC2	NM_001136201.1	Full Length 100% match
ccsbBroadEn_04123	ccsbBroad304_04123		BC026234	79768	C15orf29	no errors	hORFeome V8.1 Collection	79768	C15orf29	NM_024713.2	Full Length 100% match
ccsbBroadEn_04124	ccsbBroad304_04124		BC043504	79781	IQCA1	no errors	hORFeome V8.1 Collection	79781	IQCA1	NM_024726.3	Full Length 100% match
ccsbBroadEn_04125	ccsbBroad304_04125		BC117401	79782	LRRC31	no errors	hORFeome V8.1 Collection	79782	LRRC31	NM_024727.2	Full Length 100% match
ccsbBroadEn_04126	ccsbBroad304_04126	454	BC042888	79785	RERGL	no errors	hORFeome V8.1 Collection	79785	RERGL	NM_024730.2	Full Length 100% match
ccsbBroadEn_04127	ccsbBroad304_04127		BC019843	79794	C12orf49	no errors	hORFeome V8.1 Collection	79794	C12orf49	NM_024738.1	Full Length 100% match
ccsbBroadEn_04128	ccsbBroad304_04128		BC009255	79796	ALG9	no errors	hORFeome V8.1 Collection	79796	ALG9	NM_024740.2	Full Length 100% match
ccsbBroadEn_04129	ccsbBroad304_04129	454	BC011594	79803	HPS6	no errors	hORFeome V8.1 Collection	79803	HPS6	NM_024747.5	Full Length 100% match
ccsbBroadEn_04130	ccsbBroad304_04130		BC051856	79805	VASH2	no errors	hORFeome V8.1 Collection	79805	VASH2	NM_024749.3	Full Length 100% match
ccsbBroadEn_04131	ccsbBroad304_04131		BC020206	79816	TLE6	no errors	hORFeome V8.1 Collection	79816	TLE6	NM_024760.2	Full Length 100% match
ccsbBroadEn_04132	ccsbBroad304_04132	454	BC126214,BC126216	79820	CATSPERB	no errors	hORFeome V8.1 Collection	79820	CATSPERB	NM_024764.2	Full Length 100% match
ccsbBroadEn_04133	ccsbBroad304_04133		BC009371	79827	ASAM	no errors	hORFeome V8.1 Collection	79827	ASAM	NM_024769.2	Full Length 100% match
ccsbBroadEn_04134	ccsbBroad304_04134		BC052298	79829	NAA40	no errors	hORFeome V8.1 Collection	79829	NAA40	NM_024771.2	Full Length 100% match
ccsbBroadEn_04135	ccsbBroad304_04135		BC027911	79831	JMJD5	no errors	hORFeome V8.1 Collection	79831	JMJD5	NM_024773.2	Full Length 100% match
ccsbBroadEn_04136	ccsbBroad304_04136		BC025754	79843	FAM124B	no errors	hORFeome V8.1 Collection	79843	FAM124B	NM_024785.2	Full Length 100% match
ccsbBroadEn_04137	ccsbBroad304_04137		BC032000	79844	ZDHHC11	no errors	hORFeome V8.1 Collection	79844	ZDHHC11	NM_024786.2	Full Length 100% match
ccsbBroadEn_04138	ccsbBroad304_04138	454	BC115002	79852	EPHX3	no errors	hORFeome V8.1 Collection	79852	EPHX3	NM_001142886.1; NM_024794.2	Full Length 100% match
ccsbBroadEn_04139	ccsbBroad304_04139		BC098247	79861	TUBAL3	no errors	hORFeome V8.1 Collection	79861	TUBAL3	NM_001171864.1	Full Length 100% match
ccsbBroadEn_04140	ccsbBroad304_04140		BC009112	79867	TCTN2	no errors	hORFeome V8.1 Collection	79867	TCTN2	NM_024809.3	Full Length 100% match
ccsbBroadEn_04141	ccsbBroad304_04141		BC016902	79873	NUDT18	no errors	hORFeome V8.1 Collection	79873	NUDT18	NM_024815.3	Full Length 100% match
ccsbBroadEn_04142	ccsbBroad304_04142		BC009737	79876	UBA5	no errors	hORFeome V8.1 Collection	79876	UBA5	NM_024818.3	Full Length 100% match
ccsbBroadEn_04143	ccsbBroad304_04143		BC018132,BC033299	79877	DKAKD	no errors	hORFeome V8.1 Collection	79877	DKAKD	NM_001128631.1; NM_024819.4	Full Length 100% match
ccsbBroadEn_04144	ccsbBroad304_04144		BC017693	79879	CCDC134	no errors	hORFeome V8.1 Collection	79879	CCDC134	NM_024821.2	Full Length 100% match
ccsbBroadEn_04145	ccsbBroad304_04145		BC027607	79882	ZC3H14	no errors	hORFeome V8.1 Collection	79882	ZC3H14	NM_207662.3	Full Length 100% match
ccsbBroadEn_04146	ccsbBroad304_04146		BC009676	79885	HDAC11	no errors	hORFeome V8.1 Collection	79885	HDAC11	NM_024827.3	Full Length 100% match
ccsbBroadEn_04147	ccsbBroad304_04147		BC021662	79912	PYROXD1	no errors	hORFeome V8.1 Collection	79912	PYROXD1	NM_024854.3	Full Length 100% match
ccsbBroadEn_04148	ccsbBroad304_04148		BC072411	79922	MRM1	no errors	hORFeome V8.1 Collection	79922	MRM1	NM_024864.3	Full Length 100% match
ccsbBroadEn_04149	ccsbBroad304_04149	454	BC142635	79933	SYNPO2L	no errors	hORFeome V8.1 Collection	79933	SYNPO2L	NM_024875.3	Full Length 100% match
ccsbBroadEn_04150	ccsbBroad304_04150		BC005125	79954	NOL10	no errors	hORFeome V8.1 Collection	79954	NOL10	NM_024894.2	Full Length 100% match
ccsbBroadEn_04151	ccsbBroad304_04151	454	BC058509	79957	PAQR6	no errors	hORFeome V8.1 Collection	79957	PAQR6	NM_198406.1	Full Length 100% match
ccsbBroadEn_04152	ccsbBroad304_04152		BC026307	79959	CEP76	no errors	hORFeome V8.1 Collection	79959	CEP76	NM_024899.2	Full Length 100% match
ccsbBroadEn_04153	ccsbBroad304_04153		BC032376	79960	PHF17	no errors	hORFeome V8.1 Collection	79960	PHF17	NM_024900.3	Full Length 100% match
ccsbBroadEn_04154	ccsbBroad304_04154		BC004557	79961	DENND2D	no errors	hORFeome V8.1 Collection	79961	DENND2D	NM_024901.3	Full Length 100% match
ccsbBroadEn_04155	ccsbBroad304_04155	454	BC033236	79962	DNAJC22	no errors	hORFeome V8.1 Collection	79962	DNAJC22	NM_024902.2	Full Length 100% match
ccsbBroadEn_04156	ccsbBroad304_04156		BC025247	79968	WDR76	no errors	hORFeome V8.1 Collection	79968	WDR76	NM_001167941.1	Full Length 100% match
ccsbBroadEn_04157	ccsbBroad304_04157		BC129822	79977	GRHL2	no errors	hORFeome V8.1 Collection	79977	GRHL2	NM_024915.3	Full Length 100% match
ccsbBroadEn_04158	ccsbBroad304_04158		BC058899	79980	DSN1	no errors	hORFeome V8.1 Collection	79980	DSN1	NM_001145315.1; NM_001145316.1; NM_024918.3	Full Length 100% match
ccsbBroadEn_04159	ccsbBroad304_04159		BC022248	79982	DNAJB14	no errors	hORFeome V8.1 Collection	79982	DNAJB14	NM_001031723.2	Full Length 100% match
ccsbBroadEn_04160	ccsbBroad304_04160		BC130310,BC130312	79993	ELOVL7	no errors	hORFeome V8.1 Collection	79993	ELOVL7	NM_024930.2; NM_001104558.1	Full Length 100% match
ccsbBroadEn_04161	ccsbBroad304_04161		CCSB53390	79993	ELOVL7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79993	ELOVL7	NM_001104558.1	Full Length 100% match
ccsbBroadEn_04162	ccsbBroad304_04162	454	BC035234	79998	ANKRD53	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79998	ANKRD53	NM_024933.3	Full Length 100% match
ccsbBroadEn_04163	ccsbBroad304_04163		BC032645	80007	C10orf88	no errors	hORFeome V8.1 Collection	80007	C10orf88	NM_024942.3	Full Length 100% match
ccsbBroadEn_04164	ccsbBroad304_04164		BC020536	80011	FAM192A	no errors	hORFeome V8.1 Collection	80011	FAM192A	NM_024946.2	Full Length 100% match
ccsbBroadEn_04165	ccsbBroad304_04165		BC067799	80013	FAM188A	no errors	hORFeome V8.1 Collection	80013	FAM188A	NM_024948.2	Full Length 100% match
ccsbBroadEn_04166	ccsbBroad304_04166		BC007331	80019	UBTD1	no errors	hORFeome V8.1 Collection	80019	UBTD1	NM_024954.3	Full Length 100% match
ccsbBroadEn_04167	ccsbBroad304_04167		BC040351	80020	FOXRED2	no errors	hORFeome V8.1 Collection	80020	FOXRED2	NM_024955.5; NM_001102371.1	Full Length 100% match
ccsbBroadEn_04168	ccsbBroad304_04168		BC001963	80023	NRSN2	no errors	hORFeome V8.1 Collection	80023	NRSN2	NM_024958.2	Full Length 100% match
ccsbBroadEn_04169	Failed LR reaction		BC098360	80024	SLC24A6	no errors	hORFeome V8.1 Collection	80024	SLC24A6	NM_024959.2	Full Length 100% match



ccsbBroadEn_04170	ccsbBroad304_04170	I	CCSB53315	80025	PANK2	no errors	hORFeome V8.1 Collection	80025	PANK2	NM_024960.4; NM_153640.2	Full Length 100% match
ccsbBroadEn_04171	ccsbBroad304_04171	454	BC150253	80031	SEMA6D	no errors	hORFeome V8.1 Collection	80031	SEMA6D	NM_001198999.1; NM_020858.1	Full Length 100% match
ccsbBroadEn_04172	ccsbBroad304_04172	I	BC066296	80097	MZT2B	no errors	hORFeome V8.1 Collection	80097	MZT2B	NM_025029.3	Full Length 100% match
ccsbBroadEn_04173	ccsbBroad304_04173	454	BC113679,BC113681	80099	C7orf69	no errors	hORFeome V8.1 Collection	80099	C7orf69	NM_025031.2	Full Length 100% match
ccsbBroadEn_04174	ccsbBroad304_04174	I	BC104162	80111	C3orf36	no errors	hORFeome V8.1 Collection	80111	C3orf36	NM_025041.2	Full Length 100% match
ccsbBroadEn_04175	ccsbBroad304_04175	I	BC065012	80145	THOC7	no errors	hORFeome V8.1 Collection	80145	THOC7	NM_025075.2	Full Length 100% match
ccsbBroadEn_04176	ccsbBroad304_04176	I	BC009819	80146	UXS1	no errors	hORFeome V8.1 Collection	80146	UXS1	NM_025076.3	Full Length 100% match
ccsbBroadEn_04177	ccsbBroad304_04177	454	BC030140	80148	PQLC1	no errors	hORFeome V8.1 Collection	80148	PQLC1	NM_025078.4	Full Length 100% match
ccsbBroadEn_04178	ccsbBroad304_04178	I	BC011534,BC021271	80153	EDC3	no errors	hORFeome V8.1 Collection	80153	EDC3	NM_025083.3; NM_001142443.1; NM_001142444.1	Full Length 100% match
ccsbBroadEn_04179	ccsbBroad304_04179	454	BC104806	80155	NAA15	no errors	hORFeome V8.1 Collection	80155	NAA15	NM_057175.3	Full Length 100% match
ccsbBroadEn_04180	ccsbBroad304_04180	454	BC103876	80168	MOGAT2	no errors	hORFeome V8.1 Collection	80168	MOGAT2	NM_025098.2	Full Length 100% match
ccsbBroadEn_04181	ccsbBroad304_04181	454	BC107742	80173	IFT74	no errors	hORFeome V8.1 Collection	80173	IFT74	NM_001099224.1	Full Length 100% match
ccsbBroadEn_04182	ccsbBroad304_04182	I	BC016158	80174	DBF4B	no errors	hORFeome V8.1 Collection	80174	DBF4B	NM_025104.3	Full Length 100% match
ccsbBroadEn_04183	ccsbBroad304_04183	I	BC128463	80177	MYCT1	no errors	hORFeome V8.1 Collection	80177	MYCT1	NM_025107.2	Full Length 100% match
ccsbBroadEn_04184	ccsbBroad304_04184	I	BC066935	80185	C8orf41	no errors	hORFeome V8.1 Collection	80185	C8orf41	NM_025115.2; NM_001102401.1	Full Length 100% match
ccsbBroadEn_04185	ccsbBroad304_04185	I	BC125134	80194	TMEM134	no errors	hORFeome V8.1 Collection	80194	TMEM134	NM_001078650.1	Full Length 100% match
ccsbBroadEn_04186	ccsbBroad304_04186	454	BC022252	80195	C10orf57	no errors	hORFeome V8.1 Collection	80195	C10orf57	NM_025125.2	Full Length 100% match
ccsbBroadEn_04187	ccsbBroad304_04187	I	BC007826	80196	RNF34	no errors	hORFeome V8.1 Collection	80196	RNF34	NM_025126.2	Full Length 100% match
ccsbBroadEn_04188	ccsbBroad304_04188	I	BC004445	80199	FUZ	no errors	hORFeome V8.1 Collection	80199	FUZ	NM_025129.4	Full Length 100% match
ccsbBroadEn_04189	ccsbBroad304_04189	I	BC130445	80204	FBXO11	no errors	hORFeome V8.1 Collection	80204	FBXO11	NM_025133.4	Full Length 100% match
ccsbBroadEn_04190	ccsbBroad304_04190	I	BC017186	80212	CCDC92	no errors	hORFeome V8.1 Collection	80212	CCDC92	NM_025140.1	Full Length 100% match
ccsbBroadEn_04191	ccsbBroad304_04191	I	BC012731	80218	NAA50	no errors	hORFeome V8.1 Collection	80218	NAA50	NM_025146.2	Full Length 100% match
ccsbBroadEn_04192	ccsbBroad304_04192	I	BC022453	80219	COQ10B	no errors	hORFeome V8.1 Collection	80219	COQ10B	NM_025147.3	Full Length 100% match
ccsbBroadEn_04193	ccsbBroad304_04193	454	BC077720	80223	RAB11FIP1	no errors	hORFeome V8.1 Collection	80223	RAB11FIP1	NM_025151.4	Full Length 100% match
ccsbBroadEn_04194	ccsbBroad304_04194	I	BC006548	80237	ELL3	no errors	hORFeome V8.1 Collection	80237	ELL3	NM_025165.2	Full Length 100% match
ccsbBroadEn_04195	ccsbBroad304_04195	I	BC014050	80254	CEP63	no errors	hORFeome V8.1 Collection	80254	CEP63	NM_001042383.1	Full Length 100% match
ccsbBroadEn_04196	ccsbBroad304_04196	I	BC004406	80256	KIAA1539	no errors	hORFeome V8.1 Collection	80256	KIAA1539	NM_025182.2	Full Length 100% match
ccsbBroadEn_04197	ccsbBroad304_04197	I	BC031039	80258	EFHC2	no errors	hORFeome V8.1 Collection	80258	EFHC2	NM_025184.3	Full Length 100% match
ccsbBroadEn_04198	ccsbBroad304_04198	I	BC004556	80262	C16orf70	no errors	hORFeome V8.1 Collection	80262	C16orf70	NM_025187.3	Full Length 100% match
ccsbBroadEn_04199	ccsbBroad304_04199	I	BC024242	80273	GRPEL1	no errors	hORFeome V8.1 Collection	80273	GRPEL1	NM_025196.2	Full Length 100% match
ccsbBroadEn_04200	ccsbBroad304_04200	I	BC025984	80298	MTERFD3	no errors	hORFeome V8.1 Collection	80298	MTERFD3	NM_025198.3; NM_001033050.1	Full Length 100% match
ccsbBroadEn_04201	ccsbBroad304_04201	I	BC035698	80304	C2orf44	no errors	hORFeome V8.1 Collection	80304	C2orf44	NM_001142319.1	Full Length 100% match
ccsbBroadEn_04202	ccsbBroad304_04202	I	BC011936	80306	MED28	no errors	hORFeome V8.1 Collection	80306	MED28	NM_025205.3	Full Length 100% match
ccsbBroadEn_04203	ccsbBroad304_04203	I	BC021096,BC032323	80308	FLAD1	no errors	hORFeome V8.1 Collection	80308	FLAD1	NM_201398.2	Full Length 100% match
ccsbBroadEn_04204	ccsbBroad304_04204	I	BC030645	80310	PDGFD	no errors	hORFeome V8.1 Collection	80310	PDGFD	NM_033135.3	Full Length 100% match
ccsbBroadEn_04205	ccsbBroad304_04205	I	BC109058	80311	KLHL15	no errors	hORFeome V8.1 Collection	80311	KLHL15	NM_030624.2	Full Length 100% match
ccsbBroadEn_04206	ccsbBroad304_04206	I	BC014476	80318	GKAP1	no errors	hORFeome V8.1 Collection	80318	GKAP1	NM_025211.3	Full Length 100% match
ccsbBroadEn_04207	ccsbBroad304_04207	I	BC119751	80319	CXXC4	no errors	hORFeome V8.1 Collection	80319	CXXC4	NM_025212.1	Full Length 100% match
ccsbBroadEn_04208	ccsbBroad304_04208	I	BC103951	80320	SP6	no errors	hORFeome V8.1 Collection	80320	SP6	NM_199262.2	Full Length 100% match
ccsbBroadEn_04209	ccsbBroad304_04209	I	BC011858	80325	ABTB1	no errors	hORFeome V8.1 Collection	80325	ABTB1	NM_172027.2	Full Length 100% match
ccsbBroadEn_04210	ccsbBroad304_04210	454	BC035416	80329	ULBP1	no errors	hORFeome V8.1 Collection	80329	ULBP1	NM_025218.2	Full Length 100% match
ccsbBroadEn_04211	ccsbBroad304_04211	454	BC053642	80331	DNAJC5	no errors	hORFeome V8.1 Collection	80331	DNAJC5	NM_025219.2	Full Length 100% match
ccsbBroadEn_04212	ccsbBroad304_04212	I	BC004255	80345	ZSCAN16	no errors	hORFeome V8.1 Collection	80345	ZSCAN16	NM_025231.1	Full Length 100% match
ccsbBroadEn_04213	ccsbBroad304_04213	I	BC013048	80346	REEP4	no errors	hORFeome V8.1 Collection	80346	REEP4	NM_025232.2	Full Length 100% match
ccsbBroadEn_04214	ccsbBroad304_04214	I	BC020985	80347	COASY	no errors	hORFeome V8.1 Collection	80347	COASY	NM_001042531.1	Full Length 100% match
ccsbBroadEn_04215	ccsbBroad304_04215	I	BC008288	80700	UBXN6	no errors	hORFeome V8.1 Collection	80700	UBXN6	NM_001171091.1	Full Length 100% match
ccsbBroadEn_04216	ccsbBroad304_04216	I	CCSB53279	80714	PBX4	no errors	hORFeome V8.1 Collection	80714	PBX4	NM_025245.1	Full Length 100% match
ccsbBroadEn_04217	ccsbBroad304_04217	I	BC131824	80727	TTYH3	no errors	hORFeome V8.1 Collection	80727	TTYH3	NM_025250.2	Full Length 100% match
ccsbBroadEn_04218	ccsbBroad304_04218	454	BC004221	80757	TMEM121	no errors	hORFeome V8.1 Collection	80757	TMEM121	NM_025268.2	Full Length 100% match
ccsbBroadEn_04219	ccsbBroad304_04219	I	BC021240	80758	PRR7	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	80758	PRR7	NM_030567.4; NM_001174101.1; NM_001174102.1	Full Length 100% match
ccsbBroadEn_04220	ccsbBroad304_04220	I	BC004304	80761	UPK3B	no errors	hORFeome V8.1 Collection	80761	UPK3B	NM_030570.2	Full Length 100% match
ccsbBroadEn_04221	ccsbBroad304_04221	I	BC004336	80763	C12orf39	no errors	hORFeome V8.1 Collection	80763	C12orf39	NM_030572.2	Full Length 100% match
ccsbBroadEn_04222	ccsbBroad304_04222	454	BC004365	80765	STARD5	no errors	hORFeome V8.1 Collection	80765	STARD5	NM_181900.2	Full Length 100% match
ccsbBroadEn_04223	ccsbBroad304_04223	I	BC004400,BC051812	80774	LIMD2	no errors	hORFeome V8.1 Collection	80774	LIMD2	NM_030576.3	Full Length 100% match
ccsbBroadEn_04224	ccsbBroad304_04224	I	BC060841	80789	INTS5	no errors	hORFeome V8.1 Collection	80789	INTS5	NM_030628.1	Full Length 100% match
ccsbBroadEn_04225	ccsbBroad304_04225	I	BC038950,BC047864	80830	APOL6	no errors	hORFeome V8.1 Collection	80830	APOL6	NM_030641.3	Full Length 100% match
ccsbBroadEn_04226	ccsbBroad304_04226	I	BC017254	80851	SH3BP5L	no errors	hORFeome V8.1 Collection	80851	SH3BP5L	NM_030645.1	Full Length 100% match
ccsbBroadEn_04227	ccsbBroad304_04227	I	BC121055	80854	SETD7	no errors	hORFeome V8.1 Collection	80854	SETD7	NM_030648.2	Full Length 100% match
ccsbBroadEn_04228	ccsbBroad304_04228	I	BC006576	80895	ILKAP	no errors	hORFeome V8.1 Collection	80895	ILKAP	NM_030768.2	Full Length 100% match
ccsbBroadEn_04229	ccsbBroad304_04229	I	BC113423	81031	SLC2A10	no errors	hORFeome V8.1 Collection	81031	SLC2A10	NM_030777.3	Full Length 100% match
ccsbBroadEn_04230	ccsbBroad304_04230	454	BC136830	81282	OR51G2	no errors	hORFeome V8.1 Collection	81282	OR51G2	NM_001005238.1	Full Length 100% match
ccsbBroadEn_04231	ccsbBroad304_04231	454	BC137375	81392	OR2AE1	no errors	hORFeome V8.1 Collection	81392	OR2AE1	NM_001005276.1	Full Length 100% match
ccsbBroadEn_04232	ccsbBroad304_04232	I	BC001510	81488	GRINL1A	no errors	hORFeome V8.1 Collection	81488	GRINL1A	NM_015532.3	Full Length 100% match
ccsbBroadEn_04233	ccsbBroad304_04233	I	BC111773	81494	CFHR5	no errors	hORFeome V8.1 Collection	81494	CFHR5	NM_030787.3	Full Length 100% match
ccsbBroadEn_04234	ccsbBroad304_04234	I	BC062595	81502	HM13	no errors	hORFeome V8.1 Collection	81502	HM13	NM_030789.2	Full Length 100% match
ccsbBroadEn_04235	ccsbBroad304_04235	I	BC030514	81550	TDRD3	no errors	hORFeome V8.1 Collection	81550	TDRD3	NM_030794.2; NM_001146071.1	Full Length 100% match
ccsbBroadEn_04236	ccsbBroad304_04236	I	BC011520	81551	STMN4	no errors	hORFeome V8.1 Collection	81551	STMN4	NM_030795.2	Full Length 100% match
ccsbBroadEn_04237	ccsbBroad304_04237	I	BC067265	81562	LMAN2L	no errors	hORFeome V8.1 Collection	81562	LMAN2L	NM_030805.3	Full Length 100% match
ccsbBroadEn_04238	ccsbBroad304_04238	I	BC028567	81563	C1orf21	no errors	hORFeome V8.1 Collection	81563	C1orf21	NM_030806.3	Full Length 100% match
ccsbBroadEn_04239	ccsbBroad304_04239	I	BC017221	81566	CSRNP2	no errors	hORFeome V8.1 Collection	81566	CSRNP2	NM_030809.1	Full Length 100% match
ccsbBroadEn_04240	ccsbBroad304_04240	I	BC006404	81570	CLPB	no errors	hORFeome V8.1 Collection	81570	CLPB	NM_030813.3	Full Length 100% match
ccsbBroadEn_04241	ccsbBroad304_04241	I	BC009334	81572	PDRG1	no errors	hORFeome V8.1 Collection	81572	PDRG1	NM_030815.2	Full Length 100% match
ccsbBroadEn_04242	ccsbBroad304_04242	I	BC002905	81576	CCDC130	no errors	hORFeome V8.1 Collection	81576	CCDC130	NM_030818.2	Full Length 100% match
ccsbBroadEn_04243	ccsbBroad304_04243	I	BC017218	81579	PLA2G12A	no errors	hORFeome V8.1 Collection	81579	PLA2G12A	NM_030821.4	Full Length 100% match
ccsbBroadEn_04244	ccsbBroad304_04244	I	BC003581	81605	URM1	no errors	hORFeome V8.1 Collection	81605	URM1	NM_030914.2	Full Length 100% match
ccsbBroadEn_04245	ccsbBroad304_04245	I	BC126434,BC130415	81606	LBH	no errors	hORFeome V8.1 Collection	81606	LBH	NM_030915.3	Full Length 100% match
ccsbBroadEn_04246	ccsbBroad304_04246	I	BC010423	81607	PVRL4	no errors	hORFeome V8.1 Collection	81607	PVRL4	NM_030916.2	Full Length 100% match
ccsbBroadEn_04247	ccsbBroad304_04247	I	BC050668	81618	ITM2C	no errors	hORFeome V8.1 Collection	81618	ITM2C	NM_001012514.1	Full Length 100% match
ccsbBroadEn_04248	ccsbBroad304_04248	454	BC092472	8							



ccsbBroadEn_04253	ccsbBroad304_04253	454	BC089406	81793	TLR10	no errors	hORFeome V8.1 Collection	81793	TLR10	NM_001017388.2; NM_001195106.1; NM_001195107.1; NM_030956.3	Full Length 100% match
ccsbBroadEn_04254	ccsbBroad304_04254		BC065272	81839	VANGL1	no errors	hORFeome V8.1 Collection	81839	VANGL1	NM_138959.2; NM_001172412.1	Full Length 100% match
ccsbBroadEn_04255	ccsbBroad304_04255		BC048194	81844	TRIM56	no errors	hORFeome V8.1 Collection	81844	TRIM56	NM_030961.1	Full Length 100% match
ccsbBroadEn_04256	ccsbBroad304_04256		BC008235	81847	RNF146	no errors	hORFeome V8.1 Collection	81847	RNF146	NM_030963.2	Full Length 100% match
ccsbBroadEn_04257	ccsbBroad304_04257		BC125095	81848	SPRY4	no errors	hORFeome V8.1 Collection	81848	SPRY4	NM_001127496.1	Full Length 100% match
ccsbBroadEn_04258	ccsbBroad304_04258		BC001201	81849	ST6GALNAC5	no errors	hORFeome V8.1 Collection	81849	ST6GALNAC5	NM_030965.1	Full Length 100% match
ccsbBroadEn_04259	ccsbBroad304_04259		BC071660	81853	TMEM14B	no errors	hORFeome V8.1 Collection	81853	TMEM14B	NM_030969.3	Full Length 100% match
ccsbBroadEn_04260	ccsbBroad304_04260		BC000124	81855	SFXN3	no errors	hORFeome V8.1 Collection	81855	SFXN3	NM_030971.3	Full Length 100% match
ccsbBroadEn_04261	ccsbBroad304_04261		BC071169	81876	RAB1B	no errors	hORFeome V8.1 Collection	81876	RAB1B	NM_030981.2	Full Length 100% match
ccsbBroadEn_04262	ccsbBroad304_04262		BC063017	81889	FAHD1	no errors	hORFeome V8.1 Collection	81889	FAHD1	NM_001142398.1	Full Length 100% match
ccsbBroadEn_04263	ccsbBroad304_04263		BC009256,BC035961	81926	FAM108A1	no errors	hORFeome V8.1 Collection	81926	FAM108A1	NM_001130111.1	Full Length 100% match
ccsbBroadEn_04264	ccsbBroad304_04264		BC005048,BC031878	81932	HDHD3	no errors	hORFeome V8.1 Collection	81932	HDHD3	NM_031219.2	Full Length 100% match
ccsbBroadEn_04265	ccsbBroad304_04265		BC034344	83401	ELOVL3	no errors	hORFeome V8.1 Collection	83401	ELOVL3	NM_152310.1	Full Length 100% match
ccsbBroadEn_04266	ccsbBroad304_04266		BC030135	83442	SH3BGRL3	no errors	hORFeome V8.1 Collection	83442	SH3BGRL3	NM_031286.3	Full Length 100% match
ccsbBroadEn_04267	ccsbBroad304_04267		BC022032	83447	SLC25A31	no errors	hORFeome V8.1 Collection	83447	SLC25A31	NM_031291.2	Full Length 100% match
ccsbBroadEn_04268	ccsbBroad304_04268		BC050419	83450	LRRC48	no errors	hORFeome V8.1 Collection	83450	LRRC48	NM_031294.3; NM_001130090.1	Full Length 100% match
ccsbBroadEn_04269	ccsbBroad304_04269		BC001409	83460	TMEM93	no errors	hORFeome V8.1 Collection	83460	TMEM93	NM_031298.2; NM_001014764.1	Full Length 100% match
ccsbBroadEn_04270	ccsbBroad304_04270		BC002551	83461	CDCA3	no errors	hORFeome V8.1 Collection	83461	CDCA3	NM_031299.4	Full Length 100% match
ccsbBroadEn_04271	ccsbBroad304_04271		BC000745	83463	MXD3	no errors	hORFeome V8.1 Collection	83463	MXD3	NM_031300.3	Full Length 100% match
ccsbBroadEn_04272	ccsbBroad304_04272		BC022343	83468	GLT8D2	no errors	hORFeome V8.1 Collection	83468	GLT8D2	NM_031302.3	Full Length 100% match
ccsbBroadEn_04273	ccsbBroad304_04273		BC002817,BC009863	83475	DOHH	no errors	hORFeome V8.1 Collection	83475	DOHH	NM_031304.4; NM_001145165.1	Full Length 100% match
ccsbBroadEn_04274	ccsbBroad304_04274		BC056414	83483	PLVAP	no errors	hORFeome V8.1 Collection	83483	PLVAP	NM_031310.1	Full Length 100% match
ccsbBroadEn_04275	ccsbBroad304_04275		BC008489	83540	NUF2	no errors	hORFeome V8.1 Collection	83540	NUF2	NM_031423.3; NM_145697.2	Full Length 100% match
ccsbBroadEn_04276	ccsbBroad304_04276		BC005063	83546	RTBDN	no errors	hORFeome V8.1 Collection	83546	RTBDN	NM_031429.1	Full Length 100% match
ccsbBroadEn_04277	ccsbBroad304_04277		BC000936,BC033182	83590	TMUB1	no errors	hORFeome V8.1 Collection	83590	TMUB1	NM_031434.3; NM_001136044.1	Full Length 100% match
ccsbBroadEn_04278	ccsbBroad304_04278		BC008358	83591	THAP2	no errors	hORFeome V8.1 Collection	83591	THAP2	NM_031435.3	Full Length 100% match
ccsbBroadEn_04279	ccsbBroad304_04279		BC104005	83596	BCL2L12	no errors	hORFeome V8.1 Collection	83596	BCL2L12	NM_138639.1	Full Length 100% match
ccsbBroadEn_04280	ccsbBroad304_04280		BC131756	83597	RTP3	no errors	hORFeome V8.1 Collection	83597	RTP3	NM_031440.1	Full Length 100% match
ccsbBroadEn_04281	ccsbBroad304_04281		BC004903,BC016832	83605	CCM2	no errors	hORFeome V8.1 Collection	83605	CCM2	NM_031443.3	Full Length 100% match
ccsbBroadEn_04282	ccsbBroad304_04282		BC078174	83607	AMMECR1L	no errors	hORFeome V8.1 Collection	83607	AMMECR1L	NM_031445.2; NM_001199140.1	Full Length 100% match
ccsbBroadEn_04283	ccsbBroad304_04283		BC119766	83608	C18orf21	no errors	hORFeome V8.1 Collection	83608	C18orf21	NM_031446.3	Full Length 100% match
ccsbBroadEn_04284	ccsbBroad304_04284		BC003627,BC027181	83640	FAM103A1	no errors	hORFeome V8.1 Collection	83640	FAM103A1	NM_031452.2	Full Length 100% match
ccsbBroadEn_04285	ccsbBroad304_04285		BC131696	83650	AMAC1L2	no errors	hORFeome V8.1 Collection	83650	AMAC1L2	NM_054028.1	Full Length 100% match
ccsbBroadEn_04286	ccsbBroad304_04286		BC030536	83692	CD99L2	no errors	hORFeome V8.1 Collection	83692	CD99L2	NM_031462.3	Full Length 100% match
ccsbBroadEn_04287	ccsbBroad304_04287		BC104218	83693	HSDL1	no errors	hORFeome V8.1 Collection	83693	HSDL1	NM_031463.4	Full Length 100% match
ccsbBroadEn_04288	ccsbBroad304_04288		BC004540	83694	RPS6KL1	no errors	hORFeome V8.1 Collection	83694	RPS6KL1	NM_031464.3	Full Length 100% match
ccsbBroadEn_04289	ccsbBroad304_04289		BC052987,BC109043	83699	SH3BGRL2	no errors	hORFeome V8.1 Collection	83699	SH3BGRL2	NM_031469.2	Full Length 100% match
ccsbBroadEn_04290	ccsbBroad304_04290	454	BC012147	83700	JAM3	no errors	hORFeome V8.1 Collection	83700	JAM3	NM_032801.4	Full Length 100% match
ccsbBroadEn_04291	ccsbBroad304_04291		BC131562	83714	NRIP2	no errors	hORFeome V8.1 Collection	83714	NRIP2	NM_031474.2	Full Length 100% match
ccsbBroadEn_04292	ccsbBroad304_04292		BC005161	83729	INHBE	no errors	hORFeome V8.1 Collection	83729	INHBE	NM_031479.3	Full Length 100% match
ccsbBroadEn_04293	ccsbBroad304_04293		BC031644	83733	SLC25A18	no errors	hORFeome V8.1 Collection	83733	SLC25A18	NM_031481.1	Full Length 100% match
ccsbBroadEn_04294	ccsbBroad304_04294		BC029268	83734	ATG10	no errors	hORFeome V8.1 Collection	83734	ATG10	NM_031482.4; NM_001131028.1	Full Length 100% match
ccsbBroadEn_04295	ccsbBroad304_04295		BC101415,BC130512	83740	H2AFB3	no errors	hORFeome V8.1 Collection	83740; 474381	H2AFB3; H2AFB2	NM_001017991.1	Full Length 100% match
ccsbBroadEn_04296	ccsbBroad304_04296		BC112396	83744	ZNF484	no errors	hORFeome V8.1 Collection	83744	ZNF484	NM_031486.1	Full Length 100% match
ccsbBroadEn_04297	ccsbBroad304_04297		BC004180	83755	KRTAP4-12	no errors	hORFeome V8.1 Collection	83755	KRTAP4-12	NM_031854.2	Full Length 100% match
ccsbBroadEn_04298	ccsbBroad304_04298		BC029355	83758	RBP5	no errors	hORFeome V8.1 Collection	83758	RBP5	NM_031491.2	Full Length 100% match
ccsbBroadEn_04299	ccsbBroad304_04299		BC111860	83795	KCNK16	no errors	hORFeome V8.1 Collection	83795	KCNK16	NM_001135105.1	Full Length 100% match
ccsbBroadEn_04300	ccsbBroad304_04300		BC050604	83861	RSPH3	no errors	hORFeome V8.1 Collection	83861	RSPH3	NM_031924.4	Full Length 100% match
ccsbBroadEn_04301	ccsbBroad304_04301		BC016841	83871	RAB34	no errors	hORFeome V8.1 Collection	83871	RAB34	NM_001144942.1	Full Length 100% match
ccsbBroadEn_04302	ccsbBroad304_04302		BC109050	83877	TM2D2	no errors	hORFeome V8.1 Collection	83877	TM2D2	NM_078473.2	Full Length 100% match
ccsbBroadEn_04303	ccsbBroad304_04303		BC027966	83879	CDCA7	no errors	hORFeome V8.1 Collection	83879	CDCA7	NM_145810.2	Full Length 100% match
ccsbBroadEn_04304	ccsbBroad304_04304		BC113077	83896	KRTAP3-1	no errors	hORFeome V8.1 Collection	83896	KRTAP3-1	NM_031958.1	Full Length 100% match
ccsbBroadEn_04305	ccsbBroad304_04305		BC034582	83897	KRTAP3-2	no errors	hORFeome V8.1 Collection	83897	KRTAP3-2	NM_031959.2	Full Length 100% match
ccsbBroadEn_04306	ccsbBroad304_04306	454	BC074981	83901	KRTAP9-8	no errors	hORFeome V8.1 Collection	100510248	LOC100510248	NM_031959.2	Full Length 100% match
ccsbBroadEn_04307	ccsbBroad304_04307		BC003074,BC005959	83930	STARD3NL	no errors	hORFeome V8.1 Collection	83930	STARD3NL	NM_032016.2	Full Length 100% match
ccsbBroadEn_04308	ccsbBroad304_04308		BC007835	83931	STK40	no errors	hORFeome V8.1 Collection	83931	STK40	NM_032017.1	Full Length 100% match
ccsbBroadEn_04309	ccsbBroad304_04309		BC125083	83933	HDAC10	no errors	hORFeome V8.1 Collection	83933	HDAC10	NM_032019.5	Full Length 100% match
ccsbBroadEn_04310	ccsbBroad304_04310	454	BC093843	83935	TMEM133	no errors	hORFeome V8.1 Collection	83935	TMEM133	NM_032021.2	Full Length 100% match
ccsbBroadEn_04311	ccsbBroad304_04311		BC029486	83941	TM2D1	no errors	hORFeome V8.1 Collection	83941	TM2D1	NM_032027.2	Full Length 100% match
ccsbBroadEn_04312	ccsbBroad304_04312		BC107050	83954	FKSG83	no errors	hORFeome V8.1 Collection	83954	FKSG83	NM_032030.2	Full Length 100% match
ccsbBroadEn_04313	ccsbBroad304_04313		BC063428	83988	NCALD	no errors	hORFeome V8.1 Collection	83988	NCALD	NM_032041.2; NM_001040630.1; NM_001040629.1; NM_001040628.1; NM_001040627.1; NM_001040626.1; NM_001040625.1;	Full Length 100% match
ccsbBroadEn_04314	ccsbBroad304_04314		BC020584	83989	FAM172A	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	83989	FAM172A	NM_001040624.1	Full Length 100% match
ccsbBroadEn_04315	ccsbBroad304_04315		BC017089	83998	REG4	no errors	hORFeome V8.1 Collection	83998	REG4	NM_032042.5; NM_032044.3;	Full Length 100% match
ccsbBroadEn_04316	ccsbBroad304_04316		BC028058	84002	B3GNT5	no errors	hORFeome V8.1 Collection	84002	B3GNT5	NM_001159352.1	Full Length 100% match
ccsbBroadEn_04317	ccsbBroad304_04317		BC000612	84056	KATNAL1	no errors	hORFeome V8.1 Collection	84056	KATNAL1	NM_032047.4	Full Length 100% match
ccsbBroadEn_04318	ccsbBroad304_04318		BC032142	84057	MND1	no errors	hORFeome V8.1 Collection	84057	MND1	NM_001014380.1	Full Length 100% match
ccsbBroadEn_04319	ccsbBroad304_04319		BC051848	84058	WDR54	no errors	hORFeome V8.1 Collection	84058	WDR54	NM_032117.2	Full Length 100% match
ccsbBroadEn_04320	ccsbBroad304_04320	454	BC044570	84060	C7orf64	no errors	hORFeome V8.1 Collection	84060	C7orf64	NM_032118.2	Full Length 100% match
ccsbBroadEn_04321	ccsbBroad304_04321		BC011912	84062	DTNBP1	no errors	hORFeome V8.1 Collection	84062	DTNBP1	NM_032120.2	Full Length 100% match
ccsbBroadEn_04322	ccsbBroad304_04322		BC038100	84064	HDHD2	no errors	hORFeome V8.1 Collection	84064	HDHD2	NM_032122.4	Full Length 100% match
ccsbBroadEn_04323	ccsbBroad304_04323		BC034972	84066	C1orf49	no errors	hORFeome V8.1 Collection	84066	C1orf49	NM_032124.4	Full Length 100% match
ccsbBroadEn_04324	ccsbBroad304_04324		BC047406	84072	HORMAD1	no errors	hORFeome V8.1 Collection	84072	HORMAD1	NM_001170722.1	Full Length 100% match
										NM_032132.3	Full Length 100% match



ccsbBroadEn_04325	ccsbBroad304_04325		BC038406	84077	C3orf20	no errors	hORFeome V8.1 Collection	84077	C3orf20	NM_001184957.1; NM_001184958.1	Full Length 100% match
ccsbBroadEn_04326	ccsbBroad304_04326		BC022033	84078	KBTD7	no errors	hORFeome V8.1 Collection	84078	KBTD7	NM_032138.4	Full Length 100% match
ccsbBroadEn_04327	ccsbBroad304_04327		BC050529	84079	ANKRD27	no errors	hORFeome V8.1 Collection	84079	ANKRD27	NM_032139.2	Full Length 100% match
ccsbBroadEn_04328	ccsbBroad304_04328		BC008284	84080	C16orf48	no errors	hORFeome V8.1 Collection	84080	C16orf48	NM_032140.1	Full Length 100% match
ccsbBroadEn_04329	ccsbBroad304_04329		BC024239	84100	ARL6	no errors	hORFeome V8.1 Collection	84100	ARL6	NM_032146.3; NM_177976.1	Full Length 100% match
ccsbBroadEn_04330	ccsbBroad304_04330		BC054021	84105	PCBD2	no errors	hORFeome V8.1 Collection	84105	PCBD2	NM_032151.4	Full Length 100% match
ccsbBroadEn_04331	ccsbBroad304_04331		BC025241,BC051847	84124	ZNF394	no errors	hORFeome V8.1 Collection	84124	ZNF394	NM_032164.2	Full Length 100% match
ccsbBroadEn_04332	ccsbBroad304_04332		BC125204,CCSB53223	84129	ACAD11	no errors	hORFeome V8.1 Collection	84129	ACAD11	NM_032169.4	Full Length 100% match
ccsbBroadEn_04333	ccsbBroad304_04333	454	BC132862	84132	USP42	no errors	hORFeome V8.1 Collection	84132	USP42	NM_032172.2	Full Length 100% match
ccsbBroadEn_04334	Failed LR reaction		BC014946	84134	TOMM40L	no errors	hORFeome V8.1 Collection	84134	TOMM40L	NM_032174.4	Full Length 100% match
ccsbBroadEn_04335	ccsbBroad304_04335		BC016157,BC063016	84141	FAM176A	no errors	hORFeome V8.1 Collection	84141	FAM176A	NM_001135032.1;	Full Length 100% match
ccsbBroadEn_04336	ccsbBroad304_04336		BC001519	84152	PPP1R1B	no errors	hORFeome V8.1 Collection	84152	PPP1R1B	NM_181505.2	Full Length 100% match
ccsbBroadEn_04337	ccsbBroad304_04337	454	BC025368	84164	ASCC2	no errors	hORFeome V8.1 Collection	84164	ASCC2	NM_032204.3	Full Length 100% match
ccsbBroadEn_04338	ccsbBroad304_04338		BC012074	84168	ANTXR1	no errors	hORFeome V8.1 Collection	84168	ANTXR1	NM_018153.3	Full Length 100% match
ccsbBroadEn_04339	ccsbBroad304_04339	454	BC042041	84174	SLA2	no errors	hORFeome V8.1 Collection	84174	SLA2	NM_032214.2	Full Length 100% match
ccsbBroadEn_04340	ccsbBroad304_04340	454	BC085605	84187	TMEM164	no errors	hORFeome V8.1 Collection	84187	TMEM164	NM_032227.3	Full Length 100% match
ccsbBroadEn_04341	ccsbBroad304_04341		BC101070	84189	SLITRK6	no errors	hORFeome V8.1 Collection	84189	SLITRK6	NM_032229.2	Full Length 100% match
ccsbBroadEn_04342	ccsbBroad304_04342		BC113703	84197	SGK196	no errors	hORFeome V8.1 Collection	84197	SGK196	NM_032237.3	Full Length 100% match
ccsbBroadEn_04343	ccsbBroad304_04343		BC009497	84221	C21orf56	no errors	hORFeome V8.1 Collection	84221	C21orf56	NM_032261.4	Full Length 100% match
ccsbBroadEn_04344	ccsbBroad304_04344		BC101263	84236	RHBDD1	no errors	hORFeome V8.1 Collection	84236	RHBDD1	NM_001167608.1	Full Length 100% match
ccsbBroadEn_04345	ccsbBroad304_04345	454	BC003353	84246	MED10	no errors	hORFeome V8.1 Collection	84246	MED10	NM_032286.2	Full Length 100% match
ccsbBroadEn_04346	ccsbBroad304_04346		BC028380	84255	SLC37A3	no errors	hORFeome V8.1 Collection	84255	SLC37A3	NM_207113.1	Full Length 100% match
ccsbBroadEn_04347	ccsbBroad304_04347		BC004169	84259	DCUN1D5	no errors	hORFeome V8.1 Collection	84259	DCUN1D5	NM_032299.3	Full Length 100% match
ccsbBroadEn_04348	ccsbBroad304_04348		BC004285	84260	TCHP	no errors	hORFeome V8.1 Collection	84260	TCHP	NM_032300.4; NM_001143852.1	Full Length 100% match
ccsbBroadEn_04349	ccsbBroad304_04349		BC004308,BC027171	84262	PSMG3	no errors	hORFeome V8.1 Collection	84262	PSMG3	NM_032302.3; NM_001134340.1	Full Length 100% match
ccsbBroadEn_04350	ccsbBroad304_04350		BC004355	84265	POLR3GL	no errors	hORFeome V8.1 Collection	84265	POLR3GL	NM_032305.1	Full Length 100% match
ccsbBroadEn_04351	ccsbBroad304_04351	454	BC004393	84266	ALKBH7	no errors	hORFeome V8.1 Collection	84266	ALKBH7	NM_032306.3	Full Length 100% match
ccsbBroadEn_04352	ccsbBroad304_04352		BC004498	84269	CHCHD5	no errors	hORFeome V8.1 Collection	84269	CHCHD5	NM_032309.2	Full Length 100% match
ccsbBroadEn_04353	ccsbBroad304_04353		BC004894	84273	C4orf14	no errors	hORFeome V8.1 Collection	84273	C4orf14	NM_032313.2	Full Length 100% match
ccsbBroadEn_04354	ccsbBroad304_04354		BC005050,BC050653	84276	NICN1	no errors	hORFeome V8.1 Collection	84276	NICN1	NM_032316.3	Full Length 100% match
ccsbBroadEn_04355	ccsbBroad304_04355		BC126420,BC126422	84282	RNF135	no errors	hORFeome V8.1 Collection	84282	RNF135	NM_032322.3	Full Length 100% match
ccsbBroadEn_04356	ccsbBroad304_04356		BC005094	84283	TMEM79	no errors	hORFeome V8.1 Collection	84283	TMEM79	NM_032323.2	Full Length 100% match
ccsbBroadEn_04357	ccsbBroad304_04357		BC005158	84286	TMEM175	no errors	hORFeome V8.1 Collection	84286	TMEM175	NM_032326.2	Full Length 100% match
ccsbBroadEn_04358	ccsbBroad304_04358		BC008074,BC011749	84287	ZDHHC16	no errors	hORFeome V8.1 Collection	84287	ZDHHC16	NM_032327.2; NM_198046.1	Full Length 100% match
ccsbBroadEn_04359	ccsbBroad304_04359		BC071899	84289	ING5	no errors	hORFeome V8.1 Collection	84289	ING5	NM_032329.4	Full Length 100% match
ccsbBroadEn_04360	ccsbBroad304_04360		BC005397,BC006000	84290	CAPNS2	no errors	hORFeome V8.1 Collection	84290	CAPNS2	NM_032330.1	Full Length 100% match
ccsbBroadEn_04361	ccsbBroad304_04361		BC005870	84292	WDR83	no errors	hORFeome V8.1 Collection	84292	WDR83	NM_032332.3; NM_001099737.2	Full Length 100% match
ccsbBroadEn_04362	ccsbBroad304_04362		BC006002	84298	LLPH	no errors	hORFeome V8.1 Collection	84298	LLPH	NM_032338.3	Full Length 100% match
ccsbBroadEn_04363	ccsbBroad304_04363		BC006006	84299	C17orf37	no errors	hORFeome V8.1 Collection	84299	C17orf37	NM_032339.3	Full Length 100% match
ccsbBroadEn_04364	ccsbBroad304_04364		BC006007	84300	C6orf125	no errors	hORFeome V8.1 Collection	84300	C6orf125	NM_032340.2	Full Length 100% match
ccsbBroadEn_04365	ccsbBroad304_04365		BC006115	84302	C9orf125	no errors	hORFeome V8.1 Collection	84302	C9orf125	NM_032342.1	Full Length 100% match
ccsbBroadEn_04366	ccsbBroad304_04366		BC006123	84303	CHCHD6	no errors	hORFeome V8.1 Collection	84303	CHCHD6	NM_032343.1	Full Length 100% match
ccsbBroadEn_04367	ccsbBroad304_04367		BC006129	84304	NUDT22	no errors	hORFeome V8.1 Collection	84304	NUDT22	NM_032344.2; NM_001128612.1	Full Length 100% match
ccsbBroadEn_04368	ccsbBroad304_04368		BC006135,BC014976	84305	WIBG	no errors	hORFeome V8.1 Collection	84305	WIBG	NM_032345.2	Full Length 100% match
ccsbBroadEn_04369	ccsbBroad304_04369		BC006146	84306	PDCD2L	no errors	hORFeome V8.1 Collection	84306	PDCD2L	NM_032346.1	Full Length 100% match
ccsbBroadEn_04370	ccsbBroad304_04370		BC006172	84307	ZNF397	no errors	hORFeome V8.1 Collection	84307	ZNF397	NM_032347.2	Full Length 100% match
ccsbBroadEn_04371	ccsbBroad304_04371		BC006223	84309	NUDT16L1	no errors	hORFeome V8.1 Collection	84309	NUDT16L1	NM_032349.3	Full Length 100% match
ccsbBroadEn_04372	ccsbBroad304_04372		BC006250	84312	BRMS1L	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	84312	BRMS1L	NM_032352.3	Full Length 100% match
ccsbBroadEn_04373	ccsbBroad304_04373		BC006282	84313	VPS25	no errors	hORFeome V8.1 Collection	84313	VPS25	NM_032353.2	Full Length 100% match
ccsbBroadEn_04374	ccsbBroad304_04374		BC127649	84314	TMEM107	no errors	hORFeome V8.1 Collection	84314	TMEM107	NM_183065.2	Full Length 100% match
ccsbBroadEn_04375	ccsbBroad304_04375		BC033861	84316	LSMD1	no errors	hORFeome V8.1 Collection	84316	LSMD1	NM_032356.3	Full Length 100% match
ccsbBroadEn_04376	ccsbBroad304_04376	454	BC006505	84320	ACBD6	no errors	hORFeome V8.1 Collection	84320	ACBD6	NM_032360.3	Full Length 100% match
ccsbBroadEn_04377	ccsbBroad304_04377		BC007099	84324	SARNP	no errors	hORFeome V8.1 Collection	84324	SARNP	NM_033082.3	Full Length 100% match
ccsbBroadEn_04378	ccsbBroad304_04378		BC007207	84326	C16orf13	no errors	hORFeome V8.1 Collection	84326	C16orf13	NM_001040161.1	Full Length 100% match
ccsbBroadEn_04379	ccsbBroad304_04379		BC063443	84328	LZIC	no errors	hORFeome V8.1 Collection	84328	LZIC	NM_032368.3	Full Length 100% match
ccsbBroadEn_04380	ccsbBroad304_04380		BC009731,BC032672	84329	HVCN1	no errors	hORFeome V8.1 Collection	84329	HVCN1	NM_032369.2; NM_001040107.1	Full Length 100% match
ccsbBroadEn_04381	ccsbBroad304_04381		BC001912	84331	FAM195A	no errors	hORFeome V8.1 Collection	84331	FAM195A	NM_138418.2	Full Length 100% match
ccsbBroadEn_04382	ccsbBroad304_04382		BC007374	84332	DYDC2	no errors	hORFeome V8.1 Collection	84332	DYDC2	NM_032372.4	Full Length 100% match
ccsbBroadEn_04383	ccsbBroad304_04383		BC051845	84333	PCGF5	no errors	hORFeome V8.1 Collection	84333	PCGF5	NM_032373.3	Full Length 100% match
ccsbBroadEn_04384	ccsbBroad304_04384		BC007438	84336	TMEM101	no errors	hORFeome V8.1 Collection	84336	TMEM101	NM_032376.2	Full Length 100% match
ccsbBroadEn_04385	ccsbBroad304_04385		BC007516	84337	ELOF1	no errors	hORFeome V8.1 Collection	84337	ELOF1	NM_032377.3	Full Length 100% match
ccsbBroadEn_04386	ccsbBroad304_04386		BC015712	84340	GFM2	no errors	hORFeome V8.1 Collection	84340	GFM2	NM_032380.3	Full Length 100% match
ccsbBroadEn_04387	ccsbBroad304_04387		BC022990	84365	MKI67IP	no errors	hORFeome V8.1 Collection	84365	MKI67IP	NM_032390.4	Full Length 100% match
ccsbBroadEn_04388	ccsbBroad304_04388		BC030950	84366	PRAC	no errors	hORFeome V8.1 Collection	84366	PRAC	NM_032391.2	Full Length 100% match
ccsbBroadEn_04389	ccsbBroad304_04389	454	BC056146	84376	HOOK3	no errors	hORFeome V8.1 Collection	84376	HOOK3	NM_032410.3	Full Length 100% match
ccsbBroadEn_04390	ccsbBroad304_04390		BC021173	84419	C15orf48	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	84419	C15orf48	NM_197955.1	Full Length 100% match
ccsbBroadEn_04391	ccsbBroad304_04391		BC132877	84439	HHIPL1	no errors	hORFeome V8.1 Collection	84439	HHIPL1	NM_032425.4	Full Length 100% match
ccsbBroadEn_04392	ccsbBroad304_04392		BC006212	84445	LZTS2	no errors	hORFeome V8.1 Collection	84445	LZTS2	NM_032429.2	Full Length 100% match
ccsbBroadEn_04393	ccsbBroad304_04393		BC053359	84458	LCOR	no errors	hORFeome V8.1 Collection	84458	LCOR	NM_001170766.1	Full Length 100% match
ccsbBroadEn_04394	ccsbBroad304_04394		BC004191	84516	DCTN5	no errors	hORFeome V8.1 Collection	84516	DCTN5	NM_032486.3	Full Length 100% match
ccsbBroadEn_04395	ccsbBroad304_04395		BC101197	84518	CNFN	no errors	hORFeome V8.1 Collection	84518	CNFN	NM_032488.3	Full Length 100% match
ccsbBroadEn_04396	ccsbBroad304_04396		BC006436	84527	ZNF559	no errors	hORFeome V8.1 Collection	84527	ZNF559	NM_032497.1	Full Length 100% match
ccsbBroadEn_04397	ccsbBroad304_04397		BC006254	84529	C15orf41	no errors	hORFeome V8.1 Collection	84529	C15orf41	NM_032499.4	Full Length 100% match
ccsbBroadEn_04398	ccsbBroad304_04398		BC041165	84545	MRPL43	no errors	hORFeome V8.1 Collection	84545	MRPL43	NM_176792.2	Full Length 100% match
ccsbBroadEn_04399	ccsbBroad304_04399		BC128585	84547	PGBD1	no errors	hORFeome V8.1 Collection	84547	PGBD1	NM_001184743.1; NM_032507.3	Full Length 100% match
ccsbBroadEn_04400	ccsbBroad304_04400		BC050528	84549	MAK16	no errors	hORFeome V8.1 Collection	84549	MAK16	NM_032509.3	Full Length 100% match
ccsbBroadEn_04401	ccsbBroad304_04401		BC015810	84557	MAP1LC3A	no errors	hORFeome V8.1 Collection	84557	MAP1LC3A	NM_032514.2	Full Length 100% match
ccsbBroadEn_04402	ccsbBroad304_04402		BC113442,BC113444	84560	MT4	no errors	hORFeome V8.1 Collection	84560	MT4	NM_032935.2	Full Length 100% match
ccsbBroadEn_04403	ccsbBroad304_04403		BC003116,BC006315	84614	ZBTB37	no errors	hORFeome V8.1 Collection	84614	ZBTB37	NM_032522.3	Full Length 100% match
ccsbBroadEn_04404	ccsbBroad304_04404		BC002654	84617	TUBB6	no errors	hORFeome V8.1 Collection	84617	TUBB6	NM_032525.1	Full Length 100% match
ccsbBroadEn_04405	ccsbBroad304_04405	454	BC141812	84634	KISS1R	no errors	hORFeome V8.1 Collection	84634	KISS1R	NM_032551.4	Full Length 100% match



ccsbBroadEn_04406	ccsbBroad304_04406	454	BC093996	84647	PLA2G12B	no errors	hORFeome V8.1 Collection	84647	PLA2G12B	NM_032562.2	Full Length 100% match
ccsbBroadEn_04407	ccsbBroad304_04407		BC015234	84649	DGAT2	no errors	hORFeome V8.1 Collection	84649	DGAT2	NM_032564.3	Full Length 100% match
ccsbBroadEn_04408	ccsbBroad304_04408		BC109385	84651	SPINK7	no errors	hORFeome V8.1 Collection	84651	SPINK7	NM_032566.2	Full Length 100% match
ccsbBroadEn_04409	ccsbBroad304_04409		BC035312	84663	CYorf15B	no errors	hORFeome V8.1 Collection	100509121	LOC100509121	XM_003120334.1	Full Length 100% match
ccsbBroadEn_04410	ccsbBroad304_04410		BC113502,BC113528	84666	RETNLB	no errors	hORFeome V8.1 Collection	84666	RETNLB	NM_032579.2	Full Length 100% match
ccsbBroadEn_04411	ccsbBroad304_04411		BC018710	84668	FAM126A	no errors	hORFeome V8.1 Collection	84668	FAM126A	NM_032581.3	Full Length 100% match
ccsbBroadEn_04412	ccsbBroad304_04412		BC054344	84669	USP32	no errors	hORFeome V8.1 Collection	100510589	LOC100510589	XM_003120892.1	Full Length 100% match
ccsbBroadEn_04413	ccsbBroad304_04413		BC007750	84675	TRIM55	no errors	hORFeome V8.1 Collection	84675	TRIM55	NM_184086.1	Full Length 100% match
ccsbBroadEn_04414	ccsbBroad304_04414		BC047737	84681	HINT2	no errors	hORFeome V8.1 Collection	84681	HINT2	NM_032593.2	Full Length 100% match
ccsbBroadEn_04415	ccsbBroad304_04415		BC022084	84688	C9orf24	no errors	hORFeome V8.1 Collection	84688	C9orf24	NM_032596.3	Full Length 100% match
ccsbBroadEn_04416	ccsbBroad304_04416	454	BC057779	84701	COX4I2	no errors	hORFeome V8.1 Collection	84701	COX4I2	NM_032609.2	Full Length 100% match
ccsbBroadEn_04417	ccsbBroad304_04417	454	BC062555	84706	GPT2	no errors	hORFeome V8.1 Collection	84706	GPT2	NM_133443.2	Full Length 100% match
ccsbBroadEn_04418	ccsbBroad304_04418		BC015522	84707	BEX2	no errors	hORFeome V8.1 Collection	84707	BEX2	NM_032621.3;	
ccsbBroadEn_04419	ccsbBroad304_04419		BC022983	84708	LNK1	no errors	hORFeome V8.1 Collection	84708	LNK1	NM_001168401.1	Full Length 100% match
ccsbBroadEn_04420	ccsbBroad304_04420		BC104174	84709	C4orf49	no errors	hORFeome V8.1 Collection	84709	C4orf49	NM_001126328.1	Full Length 100% match
ccsbBroadEn_04421	ccsbBroad304_04421		BC002983	84727	SPSB2	no errors	hORFeome V8.1 Collection	84727	SPSB2	NM_032623.3	Full Length 100% match
ccsbBroadEn_04422	ccsbBroad304_04422		BC004524	84766	EFCAB4B	no errors	hORFeome V8.1 Collection	84766	EFCAB4B	NM_001146316.1;	
ccsbBroadEn_04423	ccsbBroad304_04423		CCSB53313	84792	C7orf70	no errors	hORFeome V8.1 Collection	84792	C7orf70	NM_032641.3	Full Length 100% match
ccsbBroadEn_04424	ccsbBroad304_04424		BC006151	84798	C19orf48	no errors	hORFeome V8.1 Collection	84798	C19orf48	NM_032680.3	Full Length 100% match
ccsbBroadEn_04425	ccsbBroad304_04425		BC119646	84807	NFKBID	no errors	hORFeome V8.1 Collection	84807	NFKBID	NM_001037163.1	Full Length 100% match
ccsbBroadEn_04426	ccsbBroad304_04426		BC006355	84812	PLCD4	no errors	hORFeome V8.1 Collection	84812	PLCD4	NM_199249.1;	
ccsbBroadEn_04427	ccsbBroad304_04427		BC006405	84817	TXNDC17	no errors	hORFeome V8.1 Collection	84817	TXNDC17	NM_199250.1	Full Length 100% match
ccsbBroadEn_04428	ccsbBroad304_04428		BC007011	84830	C6orf105	no errors	hORFeome V8.1 Collection	84830	C6orf105	NM_139239.1	Full Length 100% match
ccsbBroadEn_04429	ccsbBroad304_04429		BC007087	84833	USMG5	no errors	hORFeome V8.1 Collection	84833	USMG5	NM_032726.2	Full Length 100% match
ccsbBroadEn_04430	ccsbBroad304_04430		BC007234	84836	ABHD14B	no errors	hORFeome V8.1 Collection	84836	ABHD14B	NM_032727.2	Full Length 100% match
ccsbBroadEn_04431	ccsbBroad304_04431		BC007321	84844	PHF5A	no errors	hORFeome V8.1 Collection	84844	PHF5A	NM_032731.3	Full Length 100% match
ccsbBroadEn_04432	ccsbBroad304_04432		BC007372	84851	TRIM52	no errors	hORFeome V8.1 Collection	84851	TRIM52	NM_032732.2	Full Length 100% match
ccsbBroadEn_04433	ccsbBroad304_04433		BC007504	84859	LRCH3	no errors	hORFeome V8.1 Collection	84859	LRCH3	NM_032733.2	Full Length 100% match
ccsbBroadEn_04434	ccsbBroad304_04434		BC015923	84861	KLHL22	no errors	hORFeome V8.1 Collection	84861	KLHL22	NM_032734.3	Full Length 100% match
ccsbBroadEn_04435	ccsbBroad304_04435		BC033650	84869	CBR4	no errors	hORFeome V8.1 Collection	84869	CBR4	NM_032735.3	Full Length 100% match
ccsbBroadEn_04436	ccsbBroad304_04436		BC022367	84870	RSP03	no errors	hORFeome V8.1 Collection	84870	RSP03	NM_032736.2	Full Length 100% match
ccsbBroadEn_04437	ccsbBroad304_04437		BC113451	84873	GPR128	no errors	hORFeome V8.1 Collection	84873	GPR128	NM_032737.2	Full Length 100% match
ccsbBroadEn_04438	ccsbBroad304_04438	454	BC110524	84874	ZNF514	no errors	hORFeome V8.1 Collection	84874	ZNF514	NM_032738.2	Full Length 100% match
ccsbBroadEn_04439	ccsbBroad304_04439		BC011587	84879	MFSD2A	no errors	hORFeome V8.1 Collection	84879	MFSD2A	NM_032739.3	Full Length 100% match
ccsbBroadEn_04440	ccsbBroad304_04440		BC014131	84881	RPUSD4	no errors	hORFeome V8.1 Collection	84881	RPUSD4	NM_032740.2	Full Length 100% match
ccsbBroadEn_04441	ccsbBroad304_04441	454	BC066649	84886	C1orf198	no errors	hORFeome V8.1 Collection	84886	C1orf198	NM_001146314.1	Full Length 100% match
ccsbBroadEn_04442	ccsbBroad304_04442		BC060861	84892	C3orf39	no errors	hORFeome V8.1 Collection	84892	C3orf39	NM_032752.2	Full Length 100% match
ccsbBroadEn_04443	ccsbBroad304_04443		BC033666	84904	C9orf100	no errors	hORFeome V8.1 Collection	84904	C9orf100	NM_032753.3	Full Length 100% match
ccsbBroadEn_04444	ccsbBroad304_04444		CCSB53259	84905	ZNF341	no errors	hORFeome V8.1 Collection	84905	ZNF341	NM_032754.2	Full Length 100% match
ccsbBroadEn_04445	ccsbBroad304_04445		BC014975	84908	FAM136A	no errors	hORFeome V8.1 Collection	84908	FAM136A	NM_032800.2	Full Length 100% match
ccsbBroadEn_04446	ccsbBroad304_04446	454	BC029616	84909	C9orf3	no errors	hORFeome V8.1 Collection	84909	C9orf3	NM_032806.4	Full Length 100% match
ccsbBroadEn_04447	ccsbBroad304_04447		BC009348	84916	CIRH1A	no errors	hORFeome V8.1 Collection	84916	CIRH1A	NM_032818.2	Full Length 100% match
ccsbBroadEn_04448	ccsbBroad304_04448		BC020839	84932	RAB2B	no errors	hORFeome V8.1 Collection	84932	RAB2B	NM_032819.3	Full Length 100% match
ccsbBroadEn_04449	ccsbBroad304_04449		BC022092	84934	C12orf52	no errors	hORFeome V8.1 Collection	84934	C12orf52	NM_032822.2	Full Length 100% match
ccsbBroadEn_04450	ccsbBroad304_04450		BC007235	84937	ZNRF1	no errors	hORFeome V8.1 Collection	84937	ZNRF1	NM_032823.5	Full Length 100% match
ccsbBroadEn_04451	ccsbBroad304_04451		BC033024	84938	ATG4C	no errors	hORFeome V8.1 Collection	84938	ATG4C	NM_032825.2;	
ccsbBroadEn_04452	ccsbBroad304_04452		BC028595	84944	MAEL	no errors	hORFeome V8.1 Collection	84944	MAEL	NM_178221.1	Full Length 100% match
ccsbBroadEn_04453	ccsbBroad304_04453		BC007541	84959	UBASH3B	no errors	hORFeome V8.1 Collection	84959	UBASH3B	NM_032858.1	Full Length 100% match
ccsbBroadEn_04454	ccsbBroad304_04454		BC007557	84961	FBXL20	no errors	hORFeome V8.1 Collection	84961	FBXL20	NM_032873.4	Full Length 100% match
ccsbBroadEn_04455	ccsbBroad304_04455		BC007623	84967	LSM10	no errors	hORFeome V8.1 Collection	84967	LSM10	NM_032875.2	Full Length 100% match
ccsbBroadEn_04456	ccsbBroad304_04456		BC007631	84968	PNMA6A	no errors	hORFeome V8.1 Collection	100287428;	LOC100287428;	NM_032881.1	Full Length 100% match
ccsbBroadEn_04457	ccsbBroad304_04457		BC007636	84969	TOX2	no errors	hORFeome V8.1 Collection	100287466	LOC100287466	NM_001170944.1;	
ccsbBroadEn_04458	ccsbBroad304_04458		BC064845	84970	C1orf94	no errors	hORFeome V8.1 Collection	84969	TOX2	XM_002343858.2	Full Length 100% match
ccsbBroadEn_04459	ccsbBroad304_04459		BC007703	84975	MFSD5	no errors	hORFeome V8.1 Collection	84970	C1orf94	NM_032883.2;	
ccsbBroadEn_04460	ccsbBroad304_04460		BC053647	84978	FRMD5	no errors	hORFeome V8.1 Collection	84975	MFSD5	NM_001098796.1	Full Length 100% match
ccsbBroadEn_04461	ccsbBroad304_04461		BC052300	84985	FAM83A	no errors	hORFeome V8.1 Collection	84978	FRMD5	NM_032884.3	Full Length 100% match
ccsbBroadEn_04462	ccsbBroad304_04462		BC114490	84986	ARHGAP19	no errors	hORFeome V8.1 Collection	84985	FAM83A	NM_032889.4	Full Length 100% match
ccsbBroadEn_04463	ccsbBroad304_04463	454	BC007876	84992	PIGY	no errors	hORFeome V8.1 Collection	84986	ARHGAP19	NM_032892.3	Full Length 100% match
ccsbBroadEn_04464	ccsbBroad304_04464		BC007913,BC033919	84993	UBL7	no errors	hORFeome V8.1 Collection	84992	PIGY	NM_032899.4	Full Length 100% match
ccsbBroadEn_04465	ccsbBroad304_04465		BC007997	85004	RERG	no errors	hORFeome V8.1 Collection	84993	UBL7	NM_032900.4	Full Length 100% match
ccsbBroadEn_04466	ccsbBroad304_04466		BC037567	85007	AGXT2L2	no errors	hORFeome V8.1 Collection	85004	RERG	NM_032907.3;	
ccsbBroadEn_04467	ccsbBroad304_04467		BC007622,BC008703	85012	TCEAL3	no errors	hORFeome V8.1 Collection	85007	AGXT2L2	NM_201265.1	Full Length 100% match
ccsbBroadEn_04468	ccsbBroad304_04468		BC007729	85013	TMEM128	no errors	hORFeome V8.1 Collection	85012	TCEAL3	NM_032918.2	Full Length 100% match
ccsbBroadEn_04469	ccsbBroad304_04469		BC007834	85014	TMEM141	no errors	hORFeome V8.1 Collection	85013	TMEM128	NM_153373.2	Full Length 100% match
ccsbBroadEn_04470	ccsbBroad304_04470		BC114561	85019	C18orf45	no errors	hORFeome V8.1 Collection	85014	TMEM141	NM_032926.2;	
ccsbBroadEn_04471	ccsbBroad304_04471		BC009719	85027	C5orf62	no errors	hORFeome V8.1 Collection	85019	C18orf45	NM_001006933.1	Full Length 100% match
ccsbBroadEn_04472	ccsbBroad304_04472		BC000893,BC064959	85236	HIST1H2BK	no errors	hORFeome V8.1 Collection	85027	C5orf62	NM_032927.2	Full Length 100% match
ccsbBroadEn_04473	ccsbBroad304_04473		BC103846	85285	KRTAP4-1	no errors	hORFeome V8.1 Collection	85236	HIST1H2BK	NM_032928.3	Full Length 100% match
ccsbBroadEn_04474	ccsbBroad304_04474		BC127252	85291	KRTAP4-2	no errors	hORFeome V8.1 Collection	85285	KRTAP4-1	NM_032933.4	Full Length 100% match
ccsbBroadEn_04475	ccsbBroad304_04475		BC026217	85300	ATCAY	no errors	hORFeome V8.1 Collection	85291	KRTAP4-2	NM_032934.4	Full Length 100% match
ccsbBroadEn_04476	ccsbBroad304_04476		BC020986	85313	PPIL4	no errors	hORFeome V8.1 Collection	85300	ATCAY	NM_032937.4	Full Length 100% match
ccsbBroadEn_04477	ccsbBroad304_04477		BC028222	85329	LGALS12	no errors	hORFeome V8.1 Collection	85313	PPIL4	NM_080593.2	Full Length 100% match
ccsbBroadEn_04478	ccsbBroad304_04478		BC017876	85365	ALG2	no errors	hORFeome V8.1 Collection	85329	LGALS12	NM_033060.2	Full Length 100% match
ccsbBroadEn_04479	ccsbBroad304_04479		BC127622	85366	MYLK2	no errors	hORFeome V8.1 Collection	85365	ALG2	NM_033062.2	Full Length 100% match
ccsbBroadEn_04480	ccsbBroad304_04480		BC121793	85369	FAM40A	no errors	hORFeome V8.1 Collection	85366	MYLK2	NM_033064.4	Full Length 100% match
ccsbBroadEn_04481	ccsbBroad304_04481		BC009341	85395	C21orf70	no errors	hORFeome V8.1 Collection	85369	FAM40A	NM_139126.2	Full Length 100% match
ccsbBroadEn_04482	ccsbBroad304_04482		BC117148	85406	DNAJC14	no errors	hORFeome V8.1 Collection	85395	C21orf70	NM_033101.3	Full Length 100% match
ccsbBroadEn_04483	ccsbBroad304_04483		BC047565	85413	SLC22A16	no errors	hORFeome V8.1 Collection	85406	DNAJC14	NM_033087.3	Full Length 100% match
ccsbBroadEn_04484	ccsbBroad304_04484		BC049210	85476	GFM1	no errors	hORFeome V8.1 Collection	85413	SLC22A16	NM_033118.3	Full Length 100% match
ccsbBroadEn_04485	ccsbBroad304_04485	454	BC039317	85478	CCDC65	no errors	hORFeome V8.1 Collection	85476	GFM1	NM_033125.2	Full Length 100% match
ccsbBroadEn_04486	ccsbBroad304_04486		BC016742	85479	DNAJC5B	no errors	hORFeome V8.1 Collection	85478	CCDC65	NM_024996.5	Full Length 100% match
ccsbBroadEn_04487	ccsbBroad304_04487		BC036567	86614	HSFY1	no errors	hORFeome V8.1 Collection	85479	DNAJC5B	NM_033124.4	Full Length 100% match
ccsbBroadEn_04488	ccsbBroad304_04488		BC036567	86614	HSFY2	no errors	hORFeome V8.1 Collection	159119; 86614	HSFY2; HSFY1	NM_033105.4	Full Length 100% match



ccsbBroadEn_04488	ccsbBroad304_04488		BC001077	87769	A2LD1	no errors	hORFeome V8.1 Collection	87769	A2LD1	NM_033110.2;	Full Length 100% match
ccsbBroadEn_04489	ccsbBroad304_04489	454	BC011933	88745	RRP36	no errors	hORFeome V8.1 Collection	88745	RRP36	NM_001195087.1	Full Length 100% match
ccsbBroadEn_04490	ccsbBroad304_04490	454	BC101519	89765	RSPH1	no errors	hORFeome V8.1 Collection	89765	RSPH1	NM_033112.2	Full Length 100% match
ccsbBroadEn_04491	ccsbBroad304_04491		BC007523	89796	NAV1	no errors	hORFeome V8.1 Collection	89796	NAV1	NM_080860.2	Full Length 100% match
ccsbBroadEn_04492	ccsbBroad304_04492	454	BC105788	89839	ARHGAP11B	no errors	hORFeome V8.1 Collection	89839	ARHGAP11B	XM_002347655.2	Full Length 100% match
ccsbBroadEn_04493	ccsbBroad304_04493		BC035809	89858	SIGLEC12	no errors	hORFeome V8.1 Collection	89858	SIGLEC12	NM_001039841.1	Full Length 100% match
ccsbBroadEn_04494	ccsbBroad304_04494		BC113365	89874	SLC25A21	no errors	hORFeome V8.1 Collection	89874	SLC25A21	NM_053003.2	Full Length 100% match
ccsbBroadEn_04495	ccsbBroad304_04495		BC017589,BC042113	89882	TPD52L3	no errors	hORFeome V8.1 Collection	89882	TPD52L3	NM_030631.3	Full Length 100% match
ccsbBroadEn_04496	ccsbBroad304_04496		BC011759	89884	LHX4	no errors	hORFeome V8.1 Collection	89884	LHX4	NM_001001875.3	Full Length 100% match
ccsbBroadEn_04497	Failed LR reaction		BC022064	89885	FATE1	no errors	hORFeome V8.1 Collection	89885	FATE1	NM_033343.3	Full Length 100% match
ccsbBroadEn_04498	ccsbBroad304_04498		BC008967	89927	C16orf45	no errors	hORFeome V8.1 Collection	89927	C16orf45	NM_033085.2	Full Length 100% match
ccsbBroadEn_04499	ccsbBroad304_04499		BC014942	89941	RHOT2	no errors	hORFeome V8.1 Collection	89941	RHOT2	NM_033201.2	Full Length 100% match
ccsbBroadEn_04500	ccsbBroad304_04500		BC040641	89944	GLB1L2	no errors	hORFeome V8.1 Collection	89944	GLB1L2	NM_138769.1	Full Length 100% match
ccsbBroadEn_04501	ccsbBroad304_04501		BC013173	89970	RSPRY1	no errors	hORFeome V8.1 Collection	89970	RSPRY1	NM_138342.3	Full Length 100% match
ccsbBroadEn_04502	ccsbBroad304_04502		BC066652	89978	ATPBD4	no errors	hORFeome V8.1 Collection	89978	ATPBD4	NM_133368.1	Full Length 100% match
ccsbBroadEn_04503	ccsbBroad304_04503	454	BC101512	90025	UBE2CBP	no errors	hORFeome V8.1 Collection	90025	UBE2CBP	NM_080650.3	Full Length 100% match
ccsbBroadEn_04504	ccsbBroad304_04504		BC008769	90060	CCDC120	no errors	hORFeome V8.1 Collection	90060	CCDC120	NM_198920.1	Full Length 100% match
ccsbBroadEn_04505	ccsbBroad304_04505		BC035815	90134	KCNH7	no errors	hORFeome V8.1 Collection	90134	KCNH7	NM_033626.2	Full Length 100% match
ccsbBroadEn_04506	ccsbBroad304_04506	454	BC001787	90141	C14orf143	no errors	hORFeome V8.1 Collection	90141	C14orf143	NM_173162.1	Full Length 100% match
ccsbBroadEn_04507	ccsbBroad304_04507		BC048286	90196	SYS1	no errors	hORFeome V8.1 Collection	90196	SYS1	NM_145231.2	Full Length 100% match
ccsbBroadEn_04508	ccsbBroad304_04508		BC002647,BC022096	90226	UCN2	no errors	hORFeome V8.1 Collection	90226	UCN2	NM_001197129.1;	Full Length 100% match
ccsbBroadEn_04509	ccsbBroad304_04509		BC106727	90273	CEACAM21	no errors	hORFeome V8.1 Collection	90273	CEACAM21	NM_033542.3	Full Length 100% match
ccsbBroadEn_04510	ccsbBroad304_04510		BC066975	90288	C3orf25	no errors	hORFeome V8.1 Collection	90288	C3orf25	NM_033199.3	Full Length 100% match
ccsbBroadEn_04511	ccsbBroad304_04511		BC011577	90324	CCDC97	no errors	hORFeome V8.1 Collection	90324	CCDC97	NM_001098506.1	Full Length 100% match
ccsbBroadEn_04512	ccsbBroad304_04512	454	BC104947	90332	EXOC3L2	no errors	hORFeome V8.1 Collection	90332	EXOC3L2	NM_001098506.1	Full Length 100% match
ccsbBroadEn_04513	ccsbBroad304_04513		BC080575	90379	DCAF15	no errors	hORFeome V8.1 Collection	90379	DCAF15	NM_207307.1	Full Length 100% match
ccsbBroadEn_04514	ccsbBroad304_04514		BC002640	90410	IFT20	no errors	hORFeome V8.1 Collection	90410	IFT20	NM_052848.1	Full Length 100% match
ccsbBroadEn_04515	ccsbBroad304_04515		BC040357	90411	MCFD2	no errors	hORFeome V8.1 Collection	90411	MCFD2	NM_138568.3	Full Length 100% match
ccsbBroadEn_04516	ccsbBroad304_04516		BC001673	90416	C15orf57	no errors	hORFeome V8.1 Collection	90416	C15orf57	NM_138353.2	Full Length 100% match
ccsbBroadEn_04517	ccsbBroad304_04517		BC020522	90488	C12orf23	no errors	hORFeome V8.1 Collection	90488	C12orf23	NM_174887.2	Full Length 100% match
ccsbBroadEn_04518	ccsbBroad304_04518		BC010412	90506	LRRC46	no errors	hORFeome V8.1 Collection	90506	LRRC46	NM_139279.5;	Full Length 100% match
ccsbBroadEn_04519	ccsbBroad304_04519		BC029819	90527	DUOXA1	no errors	hORFeome V8.1 Collection	90527	DUOXA1	NM_001171506.2;	Full Length 100% match
ccsbBroadEn_04520	ccsbBroad304_04520		BC063891	90529	C1orf201	no errors	hORFeome V8.1 Collection	90529	C1orf201	NM_001171507.2;	Full Length 100% match
ccsbBroadEn_04521	ccsbBroad304_04521		BC016861	90557	CCDC74A	no errors	hORFeome V8.1 Collection	90557	CCDC74A	NM_001171508.2	Full Length 100% match
ccsbBroadEn_04522	ccsbBroad304_04522		BC007868	90589	ZNF625	no errors	hORFeome V8.1 Collection	90589	ZNF625	NM_052849.2;	Full Length 100% match
ccsbBroadEn_04523	ccsbBroad304_04523	454	BC037930	90624	LYRM7	no errors	hORFeome V8.1 Collection	90624	LYRM7	NM_001080792.1	Full Length 100% match
ccsbBroadEn_04524	ccsbBroad304_04524		BC022188	90634	N4BP2L1	no errors	hORFeome V8.1 Collection	90634	N4BP2L1	NM_152261.2	Full Length 100% match
ccsbBroadEn_04525	ccsbBroad304_04525		BC128604	90655	TGIF2LY	no errors	hORFeome V8.1 Collection	90655	TGIF2LY	NM_033413.3	Full Length 100% match
ccsbBroadEn_04526	ccsbBroad304_04526		BC130471,BC130473	90665	TBL1Y	no errors	hORFeome V8.1 Collection	90665	TBL1Y	NM_144565.2	Full Length 100% match
ccsbBroadEn_04527	ccsbBroad304_04527		BC009703	90701	SEC11C	no errors	hORFeome V8.1 Collection	90701	SEC11C	NM_001199014.1	Full Length 100% match
ccsbBroadEn_04528	ccsbBroad304_04528		BC017571	90736	FAM104B	no errors	hORFeome V8.1 Collection	90736	FAM104B	NM_138770.1	Full Length 100% match
ccsbBroadEn_04529	ccsbBroad304_04529		BC009230	90737	PAGE5	no errors	hORFeome V8.1 Collection	90737	PAGE5	NM_145233.2	Full Length 100% match
ccsbBroadEn_04530	ccsbBroad304_04530		BC009518	90799	CCDC45	no errors	hORFeome V8.1 Collection	90799	CCDC45	NM_001098506.1	Full Length 100% match
ccsbBroadEn_04531	ccsbBroad304_04531		BC002867	90809	TMEM55B	no errors	hORFeome V8.1 Collection	90809	TMEM55B	NM_138363.1	Full Length 100% match
ccsbBroadEn_04532	ccsbBroad304_04532	454	BC064403	90826	PRMT10	no errors	hORFeome V8.1 Collection	90826	PRMT10	NM_144568.2	Full Length 100% match
ccsbBroadEn_04533	ccsbBroad304_04533		BC128129	90835	C16orf93	no errors	hORFeome V8.1 Collection	90835	C16orf93	NM_138364.2	Full Length 100% match
ccsbBroadEn_04534	ccsbBroad304_04534		BC014438,BC060853	90861	HN1L	no errors	hORFeome V8.1 Collection	90861	HN1L	NM_001014979.2	Full Length 100% match
ccsbBroadEn_04535	ccsbBroad304_04535		BC047085	90865	IL33	no errors	hORFeome V8.1 Collection	90865	IL33	NM_144570.2	Full Length 100% match
ccsbBroadEn_04536	ccsbBroad304_04536		BC016868	90952	ESAM	no errors	hORFeome V8.1 Collection	90952	ESAM	NM_033439.3	Full Length 100% match
ccsbBroadEn_04537	ccsbBroad304_04537		BC008496	91057	CCDC34	no errors	hORFeome V8.1 Collection	91057	CCDC34	NM_138961.2	Full Length 100% match
ccsbBroadEn_04538	ccsbBroad304_04538		BC069623,BC069632	91151	TIGD7	no errors	hORFeome V8.1 Collection	91151	TIGD7	NM_080654.2	Full Length 100% match
ccsbBroadEn_04539	ccsbBroad304_04539		BC003114	91272	BOD1	no errors	hORFeome V8.1 Collection	91272	BOD1	NM_033208.3	Full Length 100% match
ccsbBroadEn_04540	ccsbBroad304_04540		BC008293	91368	CDKN2AIPNL	no errors	hORFeome V8.1 Collection	91368	CDKN2AIPNL	NM_001159651.1	Full Length 100% match
ccsbBroadEn_04541	ccsbBroad304_04541		BC028377	91392	ZNF502	no errors	hORFeome V8.1 Collection	91392	ZNF502	NM_080656.2	Full Length 100% match
ccsbBroadEn_04542	ccsbBroad304_04542		BC022371	91408	BTF3L4	no errors	hORFeome V8.1 Collection	91408	BTF3L4	NM_033210.4;	Full Length 100% match
ccsbBroadEn_04543	ccsbBroad304_04543		BC012776	91419	XRCC6BP1	no errors	hORFeome V8.1 Collection	91419	XRCC6BP1	NM_001134440.1;	Full Length 100% match
ccsbBroadEn_04544	ccsbBroad304_04544	454	BC140708	91433	RCCD1	no errors	hORFeome V8.1 Collection	91433	RCCD1	NM_001134441.1;	Full Length 100% match
ccsbBroadEn_04545	ccsbBroad304_04545		BC020247	91442	C19orf40	no errors	hORFeome V8.1 Collection	91442	C19orf40	NM_001017919.1;	Full Length 100% match
ccsbBroadEn_04546	ccsbBroad304_04546		BC009504,BC035684	91445	RNF185	no errors	hORFeome V8.1 Collection	91445	RNF185	NM_033544.2	Full Length 100% match
ccsbBroadEn_04547	ccsbBroad304_04547		BC008360	91523	FAM113B	no errors	hORFeome V8.1 Collection	91523	FAM113B	NM_152266.3	Full Length 100% match
ccsbBroadEn_04548	ccsbBroad304_04548		BC063622	91526	ANKRD44	no errors	hORFeome V8.1 Collection	91526	ANKRD44	NM_152267.3	Full Length 100% match
ccsbBroadEn_04549	ccsbBroad304_04549		BC018145	91574	C12orf65	no errors	hORFeome V8.1 Collection	91574	C12orf65	NM_138371.1	Full Length 100% match
ccsbBroadEn_04550	ccsbBroad304_04550		BC037573,BC047711	91582	RPS19BP1	no errors	hORFeome V8.1 Collection	91582	RPS19BP1	NM_153697.2	Full Length 100% match
ccsbBroadEn_04551	ccsbBroad304_04551		BC041133	91608	RASL10B	no errors	hORFeome V8.1 Collection	91608	RASL10B	NM_152269.4;	Full Length 100% match
ccsbBroadEn_04552	ccsbBroad304_04552		BC004114	91647	ATPAF2	no errors	hORFeome V8.1 Collection	91647	ATPAF2	NM_001143905.2;	Full Length 100% match
ccsbBroadEn_04553	ccsbBroad304_04553		BC013995	91663	MYADM	no errors	hORFeome V8.1 Collection	91663	MYADM	NM_001194995.1	Full Length 100% match
ccsbBroadEn_04554	ccsbBroad304_04554		BC037406	91683	SYT12	no errors	hORFeome V8.1 Collection	91683	SYT12	NM_194326.2	Full Length 100% match
ccsbBroadEn_04555	ccsbBroad304_04555		BC033154	91687	CENPL	no errors	hORFeome V8.1 Collection	91687	CENPL	NM_033315.3	Full Length 100% match
ccsbBroadEn_04556	ccsbBroad304_04556		BC024237	91689	C22orf32	no errors	hORFeome V8.1 Collection	91689	C22orf32	NM_145691.3	Full Length 100% match
ccsbBroadEn_04557	ccsbBroad304_04557		BC008689	91703	ACY3	no errors	hORFeome V8.1 Collection	91703	ACY3	NM_138373.3;	Full Length 100% match
ccsbBroadEn_04558	ccsbBroad304_04558		BC017778	91734	ID12	no errors	hORFeome V8.1 Collection	91734	ID12	NM_001020821.1;	Full Length 100% match
ccsbBroadEn_04559	ccsbBroad304_04559		BC041119	91746	YTHDC1	no errors	hORFeome V8.1 Collection	91746	YTHDC1	NM_001020820.1;	Full Length 100% match
ccsbBroadEn_04560	ccsbBroad304_04560	454	BC094003	91750	LIN52	no errors	hORFeome V8.1 Collection	91750	LIN52	NM_001020819.1;	Full Length 100% match



ccsbBroadEn_04561	ccsbBroad304_04561		BC009431	91775	FAM55C	no errors	hORFeome V8.1 Collection	91775	FAM55C	NM_001134456.1;	Full Length 100% match
ccsbBroadEn_04562	ccsbBroad304_04562		BC019110	91782	CHMP7	no errors	hORFeome V8.1 Collection	91782	CHMP7	NM_145037.2	Full Length 100% match
ccsbBroadEn_04563	ccsbBroad304_04563	454	BC002909	91851	CHRD1	no errors	hORFeome V8.1 Collection	91851	CHRD1	NM_152272.3	Full Length 100% match
ccsbBroadEn_04564	ccsbBroad304_04564		BC033965	91942	NDUFAF2	no errors	hORFeome V8.1 Collection	91942	NDUFAF2	NM_145234.3	Full Length 100% match
ccsbBroadEn_04565	ccsbBroad304_04565		BC000549,BC037563	91949	COG7	no errors	hORFeome V8.1 Collection	91949	COG7	NM_174889.4	Full Length 100% match
ccsbBroadEn_04566	ccsbBroad304_04566		BC065539	91966	CXorf40A	no errors	hORFeome V8.1 Collection	91966	CXorf40A	NM_153603.3	Full Length 100% match
ccsbBroadEn_04567	ccsbBroad304_04567		BC117248	91975	ZNF300	no errors	hORFeome V8.1 Collection	91975	ZNF300	NM_178124.4;	Full Length 100% match
ccsbBroadEn_04568	ccsbBroad304_04568		BC040904	92086	GGTLC1	no errors	hORFeome V8.1 Collection	92086	GGTLC1	NM_001171907.1;	Full Length 100% match
ccsbBroadEn_04569	ccsbBroad304_04569		BC008322	92106	OXNAD1	no errors	hORFeome V8.1 Collection	92106	OXNAD1	NM_001171908.1	Full Length 100% match
ccsbBroadEn_04570	ccsbBroad304_04570		BC105692	92129	RIPPLY1	no errors	hORFeome V8.1 Collection	92129	RIPPLY1	NM_052860.2	Full Length 100% match
ccsbBroadEn_04571	ccsbBroad304_04571	454	BC057812	92162	TMEM88	no errors	hORFeome V8.1 Collection	92162	TMEM88	NM_178311.2;	Full Length 100% match
ccsbBroadEn_04572	ccsbBroad304_04572	454	BC101562	92241	RCSD1	no errors	hORFeome V8.1 Collection	92241	RCSD1	NM_178312.2	Full Length 100% match
ccsbBroadEn_04573	ccsbBroad304_04573		BC015966	92259	MRPS36	no errors	hORFeome V8.1 Collection	92259	MRPS36	NM_138381.3	Full Length 100% match
ccsbBroadEn_04574	ccsbBroad304_04574	454	BC029176,BC072673	92304	SCGB3A1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	92304	SCGB3A1	NM_138382.2	Full Length 100% match
ccsbBroadEn_04575	ccsbBroad304_04575		BC126370	92305	TMEM129	no errors	hORFeome V8.1 Collection	92305	TMEM129	NM_203411.1	Full Length 100% match
ccsbBroadEn_04576	ccsbBroad304_04576		BC008679	92342	C1orf156	no errors	hORFeome V8.1 Collection	92342	C1orf156	NM_052862.3	Full Length 100% match
ccsbBroadEn_04577	ccsbBroad304_04577		BC002652	92359	CRB3	no errors	hORFeome V8.1 Collection	92359	CRB3	NM_033281.5	Full Length 100% match
ccsbBroadEn_04578	ccsbBroad304_04578		BC008324	92369	SPSB4	no errors	hORFeome V8.1 Collection	92369	SPSB4	NM_052863.2	Full Length 100% match
ccsbBroadEn_04579	ccsbBroad304_04579		BC013049	92399	MRRF	no errors	hORFeome V8.1 Collection	92399	MRRF	NM_001127266.1	Full Length 100% match
ccsbBroadEn_04580	ccsbBroad304_04580	454	BC008942	92400	RBM18	no errors	hORFeome V8.1 Collection	92400	RBM18	NM_033418.1	Full Length 100% match
ccsbBroadEn_04581	ccsbBroad304_04581		BC014321	92421	CHMP4C	no errors	hORFeome V8.1 Collection	92421	CHMP4C	NM_174881.2	Full Length 100% match
ccsbBroadEn_04582	ccsbBroad304_04582	454	BC021574	92579	G6PC3	no errors	hORFeome V8.1 Collection	92579	G6PC3	NM_080862.1	Full Length 100% match
ccsbBroadEn_04583	ccsbBroad304_04583		BC038112	92597	MOBK1A	no errors	hORFeome V8.1 Collection	92597	MOBK1A	NM_138777.3	Full Length 100% match
ccsbBroadEn_04584	ccsbBroad304_04584		BC016869	92667	C2orf72	no errors	hORFeome V8.1 Collection	92667	C2orf72	NM_033117.3	Full Length 100% match
ccsbBroadEn_04585	ccsbBroad304_04585		BC100923	92675	DTD1	no errors	hORFeome V8.1 Collection	92675	DTD1	NM_152284.3	Full Length 100% match
ccsbBroadEn_04586	ccsbBroad304_04586	454	BC008604	92691	TMEM169	no errors	hORFeome V8.1 Collection	92691	TMEM169	NM_138387.3	Full Length 100% match
ccsbBroadEn_04587	ccsbBroad304_04587		BC013073	92703	TMEM183A	no errors	hORFeome V8.1 Collection	92703	TMEM183A	NM_080820.4	Full Length 100% match
ccsbBroadEn_04588	ccsbBroad304_04588		BC032346	92714	ARRDC1	no errors	hORFeome V8.1 Collection	92714	ARRDC1	NM_001142310.1;	Full Length 100% match
ccsbBroadEn_04589	ccsbBroad304_04589		BC003123,BC017335	92715	WDR85	no errors	hORFeome V8.1 Collection	92715	WDR85	NM_001142311.1;	Full Length 100% match
ccsbBroadEn_04590	ccsbBroad304_04590		BC019246	92745	SLC38A5	no errors	hORFeome V8.1 Collection	92745	SLC38A5	NM_001142312.1;	Full Length 100% match
ccsbBroadEn_04591	ccsbBroad304_04591		BC001193	92815	HIST3H2A	no errors	hORFeome V8.1 Collection	92815	HIST3H2A	NM_138390.3	Full Length 100% match
ccsbBroadEn_04592	ccsbBroad304_04592		BC008201	92840	REEP6	no errors	hORFeome V8.1 Collection	92840	REEP6	NM_138391.4	Full Length 100% match
ccsbBroadEn_04593	ccsbBroad304_04593		BC017708	92912	UBE2Q2	no errors	hORFeome V8.1 Collection	92912	UBE2Q2	NM_152285.2	Full Length 100% match
ccsbBroadEn_04594	ccsbBroad304_04594		BC126294	92935	MARS2	no errors	hORFeome V8.1 Collection	92935	MARS2	NM_138778.2	Full Length 100% match
ccsbBroadEn_04595	ccsbBroad304_04595		BC008780	92960	PEX11G	no errors	hORFeome V8.1 Collection	92960	PEX11G	NM_033518.2	Full Length 100% match
ccsbBroadEn_04596	ccsbBroad304_04596		BC011361	93145	OLFM2	no errors	hORFeome V8.1 Collection	93145	OLFM2	NM_033445.2	Full Length 100% match
ccsbBroadEn_04597	ccsbBroad304_04597		BC019865	93183	PIGM	no errors	hORFeome V8.1 Collection	93183	PIGM	NM_138393.1	Full Length 100% match
ccsbBroadEn_04598	ccsbBroad304_04598		BC010652	93210	PGAP3	no errors	hORFeome V8.1 Collection	93210	PGAP3	NM_173469.2	Full Length 100% match
ccsbBroadEn_04599	ccsbBroad304_04599	454	BC007883,BC011840	93343	FAM125A	no errors	hORFeome V8.1 Collection	93343	FAM125A	NM_080662.2	Full Length 100% match
ccsbBroadEn_04600	ccsbBroad304_04600		BC033737	93377	OPALIN	no errors	hORFeome V8.1 Collection	93377	OPALIN	NM_058164.2	Full Length 100% match
ccsbBroadEn_04601	ccsbBroad304_04601		BC033588	93380	MMGT1	no errors	hORFeome V8.1 Collection	93380	MMGT1	NM_145167.2	Full Length 100% match
ccsbBroadEn_04602	ccsbBroad304_04602	454	BC067125	93436	ARMC6	no errors	hORFeome V8.1 Collection	93436	ARMC6	NM_033419.3	Full Length 100% match
ccsbBroadEn_04603	ccsbBroad304_04603		BC005360	93474	ZNF670	no errors	hORFeome V8.1 Collection	93474	ZNF670	NM_138401.2	Full Length 100% match
ccsbBroadEn_04604	ccsbBroad304_04604		BC007832	93611	FBXO44	no errors	hORFeome V8.1 Collection	93611	FBXO44	NM_033207.3	Full Length 100% match
ccsbBroadEn_04605	ccsbBroad304_04605		BC022797	93621	MRFAP1	no errors	hORFeome V8.1 Collection	93621	MRFAP1	NM_173470.1	Full Length 100% match
ccsbBroadEn_04606	ccsbBroad304_04606		BC009208	93627	TBCK	no errors	hORFeome V8.1 Collection	93627	TBCK	NM_033415.3	Full Length 100% match
ccsbBroadEn_04607	ccsbBroad304_04607		BC068496	93627	TBCK	no errors	hORFeome V8.1 Collection	93627	TBCK	NM_033213.3	Full Length 100% match
ccsbBroadEn_04608	ccsbBroad304_04608		BC006290,BC069526	93659	CGB5	no errors	hORFeome V8.1 Collection	93659; 94115	CGB5; CGB8	NM_183412.2;	Full Length 100% match
ccsbBroadEn_04609	ccsbBroad304_04609		BC009677	93974	ATPIF1	no errors	hORFeome V8.1 Collection	93974	ATPIF1	NM_183413.2	Full Length 100% match
ccsbBroadEn_04610	ccsbBroad304_04610			93974	ATPIF1	no errors	hORFeome V8.1 Collection	93974	ATPIF1	NM_033043.1;	Full Length 100% match
ccsbBroadEn_04611	ccsbBroad304_04611		BC107602	94015	TTYH2	no errors	hORFeome V8.1 Collection	94015	TTYH2	NM_033183.2	Full Length 100% match
ccsbBroadEn_04612	ccsbBroad304_04612		BC063241	94081	SFXN1	no errors	hORFeome V8.1 Collection	94081	SFXN1	NM_016311.3	Full Length 100% match
ccsbBroadEn_04613	ccsbBroad304_04613	454	BC093991	94086	HSPB9	no errors	hORFeome V8.1 Collection	94086	HSPB9	NM_178191.1	Full Length 100% match
ccsbBroadEn_04614	ccsbBroad304_04614		BC101312	94097	SFXN5	no errors	hORFeome V8.1 Collection	94097	SFXN5	NM_032646.5	Full Length 100% match
ccsbBroadEn_04615	ccsbBroad304_04615		BC005200	94101	ORMDL1	no errors	hORFeome V8.1 Collection	94101	ORMDL1	NM_022754.5	Full Length 100% match
ccsbBroadEn_04616	ccsbBroad304_04616		BC017087	94103	ORMDL3	no errors	hORFeome V8.1 Collection	94103	ORMDL3	NM_033194.2	Full Length 100% match
ccsbBroadEn_04617	ccsbBroad304_04617		BC009283,BC009461	94107	TMEM203	no errors	hORFeome V8.1 Collection	94107	TMEM203	NM_144579.2	Full Length 100% match
ccsbBroadEn_04618	ccsbBroad304_04618		BC131585	94122	SYTL5	no errors	hORFeome V8.1 Collection	94122	SYTL5	NM_001128150.1;	Full Length 100% match
ccsbBroadEn_04619	ccsbBroad304_04619	454	BC095514	94235	GNG8	no errors	hORFeome V8.1 Collection	94235	GNG8	NM_016467.4	Full Length 100% match
ccsbBroadEn_04620	ccsbBroad304_04620		BC000098,BC014885	94239	H2AFV	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	94239	H2AFV	NM_139280.2	Full Length 100% match
ccsbBroadEn_04621	ccsbBroad304_04621		BC023660	94240	EPST11	no errors	hORFeome V8.1 Collection	94240	EPST11	NM_053045.1	Full Length 100% match
ccsbBroadEn_04622	ccsbBroad304_04622	454	BC074868	94241	TP53INP1	no errors	hORFeome V8.1 Collection	94241	TP53INP1	NM_001163334.1	Full Length 100% match
ccsbBroadEn_04623	ccsbBroad304_04623		BC021089	94274	PPP1R14A	no errors	hORFeome V8.1 Collection	94274	PPP1R14A	NM_033258.1	Full Length 100% match
ccsbBroadEn_04624	ccsbBroad304_04624		BC112233	96626	LIMS3	no errors	hORFeome V8.1 Collection	100288695; 96626	LOC100288695; LIMS3	NM_012412.4	Full Length 100% match
ccsbBroadEn_04625	ccsbBroad304_04625		BC004994	103910	MYL12B	no errors	hORFeome V8.1 Collection	103910	MYL12B	NM_033256.1	Full Length 100% match
ccsbBroadEn_04626	ccsbBroad304_04626		BC064924,BC111057	112399	EGLN3	no errors	hORFeome V8.1 Collection	112399	EGLN3	NM_003118850.1;	Full Length 100% match
ccsbBroadEn_04627	ccsbBroad304_04627		BC011405	112476	PRRT2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	112476	PRRT2	NM_033514.4;	Full Length 100% match
ccsbBroadEn_04628	ccsbBroad304_04628		BC011751	112483	SAT2	no errors	hORFeome V8.1 Collection	112483	SAT2	NM_001144944.1;	Full Length 100% match
ccsbBroadEn_04629	ccsbBroad304_04629		BC010003	112609	MRAP2	no errors	hORFeome V8.1 Collection	112609	MRAP2	NM_022073.3	Full Length 100% match
ccsbBroadEn_04630	ccsbBroad304_04630		BC071737	112703	FAM71E1	no errors	hORFeome V8.1 Collection	112703	FAM71E1	NM_145239.2	Full Length 100% match
ccsbBroadEn_04631	ccsbBroad304_04631		BC009881	112724	RDH13	no errors	hORFeome V8.1 Collection	112724	RDH13	NM_133491.3	Full Length 100% match
ccsbBroadEn_04632	ccsbBroad304_04632	454	BC018757	112770	C1orf85	no errors	hORFeome V8.1 Collection	112770	C1orf85	NM_138409.2	Full Length 100% match
ccsbBroadEn_04633	ccsbBroad304_04633		BC009727	112858	TP53RK	no errors	hORFeome V8.1 Collection	112858	TP53RK	NM_138411.1	Full Length 100% match
ccsbBroadEn_04634	ccsbBroad304_04634		BC011981	112869	CCDC101	no errors	hORFeome V8.1 Collection	112869	CCDC101	NM_138412.3	Full Length 100% match
ccsbBroadEn_04635	ccsbBroad304_04635		BC009747,BC014128	112936	VPS26B	no errors	hORFeome V8.1 Collection	112936	VPS26B	NM_144580.1	Full Length 100% match
ccsbBroadEn_04636	ccsbBroad304_04636	454	BC055396	112939	NACC1	no errors	hORFeome V8.1 Collection	112939	NACC1	NM_033550.3	Full Length 100% match
ccsbBroadEn_04637	ccsbBroad304_04637		BC012173	112970	KTI12	no errors	hORFeome V8.1 Collection	112970	KTI12	NM_033550.3	Full Length 100% match
ccsbBroadEn_04638	ccsbBroad304_04638	454	BC093995	113091	PTH2	no errors	hORFeome V8.1 Collection	113091	PTH2	NM_138414.2	Full Length 100% match
ccsbBroadEn_04639	ccsbBroad304_04639		BC063688	113115	FAM54A	no errors	hORFeome V8.1 Collection	113115	FAM54A	NM_052875.3	Full Length 100% match



ccsbBroadEn_04640	ccsbBroad304_04640		BC011000	113130	CDCA5	no errors	hORFeome V8.1 Collection	113130	CDCA5	NM_080668.3	Full Length 100% match
ccsbBroadEn_04641	ccsbBroad304_04641		BC011747,BC062598	113178	SCAMP4	no errors	hORFeome V8.1 Collection	113178	SCAMP4	NM_079834.2	Full Length 100% match
ccsbBroadEn_04642	ccsbBroad304_04642	454	BC011824	113179	ADAT3	no errors	hORFeome V8.1 Collection	113179	ADAT3	NM_138422.1	Full Length 100% match
ccsbBroadEn_04643	ccsbBroad304_04643		BC049214	113189	CHST14	no errors	hORFeome V8.1 Collection	113189	CHST14	NM_130468.3	Full Length 100% match
ccsbBroadEn_04644	ccsbBroad304_04644		BC010626	113220	KIF12	no errors	hORFeome V8.1 Collection	113220	KIF12	NM_138424.1	Full Length 100% match
ccsbBroadEn_04645	ccsbBroad304_04645		BC009925	113246	C12orf57	no errors	hORFeome V8.1 Collection	113246	C12orf57	NM_138425.2	Full Length 100% match
ccsbBroadEn_04646	ccsbBroad304_04646		BC012139	113277	TMEM106A	no errors	hORFeome V8.1 Collection	113277	TMEM106A	NM_145041.1	Full Length 100% match
ccsbBroadEn_04647	ccsbBroad304_04647	454	BC018969	113402	SFT2D1	no errors	hORFeome V8.1 Collection	113402	SFT2D1	NM_145169.1	Full Length 100% match
ccsbBroadEn_04648	ccsbBroad304_04648		BC128461	113419	TEX261	no errors	hORFeome V8.1 Collection	113419	TEX261	NM_144582.2	Full Length 100% match
ccsbBroadEn_04649	ccsbBroad304_04649		BC010449,BC028128	113451	ADC	no errors	hORFeome V8.1 Collection	113451	ADC	NM_052998.2	Full Length 100% match
ccsbBroadEn_04650	ccsbBroad304_04650		BC009755	113622	ADPRHL1	no errors	hORFeome V8.1 Collection	113622	ADPRHL1	NM_199162.1	Full Length 100% match
ccsbBroadEn_04651	ccsbBroad304_04651		BC126222,BC126248	113746	ODF3	no errors	hORFeome V8.1 Collection	113746	ODF3	NM_053280.3	Full Length 100% match
ccsbBroadEn_04652	ccsbBroad304_04652		BC011406	113763	C7orf29	no errors	hORFeome V8.1 Collection	113763	C7orf29	NM_138434.2	Full Length 100% match
ccsbBroadEn_04653	ccsbBroad304_04653		BC009906	113829	SLC35A4	no errors	hORFeome V8.1 Collection	113829	SLC35A4	NM_080670.2	Full Length 100% match
ccsbBroadEn_04654	ccsbBroad304_04654		BC114503	114026	ZIM3	no errors	hORFeome V8.1 Collection	114026	ZIM3	NM_052882.1	Full Length 100% match
ccsbBroadEn_04655	ccsbBroad304_04655		BC013414	114088	TRIM9	no errors	hORFeome V8.1 Collection	114088	TRIM9	NM_052978.4	Full Length 100% match
ccsbBroadEn_04656	ccsbBroad304_04656	454	BC067288	114294	LACTB	no errors	hORFeome V8.1 Collection	114294	LACTB	NM_032857.3	Full Length 100% match
ccsbBroadEn_04657	ccsbBroad304_04657		BC126288	114571	SLC22A9	no errors	hORFeome V8.1 Collection	114571	SLC22A9	NM_080866.2	Full Length 100% match
ccsbBroadEn_04658	ccsbBroad304_04658		BC099703	114625	ERMAP	no errors	hORFeome V8.1 Collection	114625	ERMAP	NM_018538.3; NM_001017922.1	Full Length 100% match
ccsbBroadEn_04659	ccsbBroad304_04659		BC101357	114781	BTBD9	no errors	hORFeome V8.1 Collection	114781	BTBD9	NM_001172418.1	Full Length 100% match
ccsbBroadEn_04660	ccsbBroad304_04660		BC103933	114789	SLC25A25	no errors	hORFeome V8.1 Collection	114789	SLC25A25	NM_052901.2	Full Length 100% match
ccsbBroadEn_04661	ccsbBroad304_04661		BC025767	114822	RHPN1	no errors	hORFeome V8.1 Collection	114822	RHPN1	NM_052924.2	Full Length 100% match
ccsbBroadEn_04662	ccsbBroad304_04662	454	BC101111	114824	PNMA5	no errors	hORFeome V8.1 Collection	114824	PNMA5	NM_001103150.1; NM_001103151.1; NM_001184924.1; NM_052926.2	Full Length 100% match
ccsbBroadEn_04663	ccsbBroad304_04663		BC114495	114836	SLAMF6	no errors	hORFeome V8.1 Collection	114836	SLAMF6	NM_001184714.1	Full Length 100% match
ccsbBroadEn_04664	ccsbBroad304_04664		BC039579	114879	OSBPL5	no errors	hORFeome V8.1 Collection	114879	OSBPL5	NM_020896.3	Full Length 100% match
ccsbBroadEn_04665	ccsbBroad304_04665		BC111728	114882	OSBPL8	no errors	hORFeome V8.1 Collection	114882	OSBPL8	NM_020841.4 NM_030968.2;	Full Length 100% match
ccsbBroadEn_04666	ccsbBroad304_04666		BC021553	114897	C1QTNF1	no errors	hORFeome V8.1 Collection	114897	C1QTNF1	NM_198593.2	Full Length 100% match
ccsbBroadEn_04667	ccsbBroad304_04667		BC120990,CCSB53209	114899	C1QTNF3	no errors	hORFeome V8.1 Collection	114899	C1QTNF3	NM_181435.4	Full Length 100% match
ccsbBroadEn_04668	ccsbBroad304_04668		BC032296	114908	TMEM123	no errors	hORFeome V8.1 Collection	114908	TMEM123	NM_052932.2	Full Length 100% match
ccsbBroadEn_04669	ccsbBroad304_04669		BC013576	114928	GPRASP2	no errors	hORFeome V8.1 Collection	114928	GPRASP2	NM_138437.4; NM_001004051.2; NM_001184874.1; NM_001184875.1;	Full Length 100% match
ccsbBroadEn_04670	ccsbBroad304_04670		BC008087	114932	MRFAP1L1	no errors	hORFeome V8.1 Collection	114932	MRFAP1L1	NM_203462.2	Full Length 100% match
ccsbBroadEn_04671	ccsbBroad304_04671		BC038415	114960	TSGA13	no errors	hORFeome V8.1 Collection	114960	TSGA13	NM_052933.2	Full Length 100% match
ccsbBroadEn_04672	ccsbBroad304_04672		BC014089	114984	FLYWCH2	no errors	hORFeome V8.1 Collection	114984	FLYWCH2	NM_138439.2; NM_001142499.1; NM_001142500.1	Full Length 100% match
ccsbBroadEn_04673	ccsbBroad304_04673		BC012352	114987	WDR31	no errors	hORFeome V8.1 Collection	114987	WDR31	NM_145241.3	Full Length 100% match
ccsbBroadEn_04674	ccsbBroad304_04674		BC014003	115106	HAUS1	no errors	hORFeome V8.1 Collection	115106	HAUS1	NM_138443.3	Full Length 100% match
ccsbBroadEn_04675	ccsbBroad304_04675		BC061696	115201	ATG4A	no errors	hORFeome V8.1 Collection	115201	ATG4A	NM_052936.3	Full Length 100% match
ccsbBroadEn_04676	ccsbBroad304_04676	454	BC013764	115207	KCTD12	no errors	hORFeome V8.1 Collection	115207	KCTD12	NM_138444.3	Full Length 100% match
ccsbBroadEn_04677	ccsbBroad304_04677	454	BC033175	115273	RAB42	no errors	hORFeome V8.1 Collection	115273	RAB42	NM_152304.1	Full Length 100% match
ccsbBroadEn_04678	ccsbBroad304_04678		BC014241	115330	GPR146	no errors	hORFeome V8.1 Collection	115330	GPR146	NM_138445.2	Full Length 100% match
ccsbBroadEn_04679	ccsbBroad304_04679		BC033690	115350	FCRL1	no errors	hORFeome V8.1 Collection	115350	FCRL1	NM_052938.4	Full Length 100% match
ccsbBroadEn_04680	ccsbBroad304_04680		BC013101	115353	LRRC42	no errors	hORFeome V8.1 Collection	115353	LRRC42	NM_052940.3 NM_052942.3;	Full Length 100% match
ccsbBroadEn_04681	ccsbBroad304_04681		BC031639	115362	GBP5	no errors	hORFeome V8.1 Collection	115362	GBP5	NM_001134486.2	Full Length 100% match
ccsbBroadEn_04682	ccsbBroad304_04682		BC012331	115416	C7orf30	no errors	hORFeome V8.1 Collection	115416	C7orf30	NM_138446.1	Full Length 100% match
ccsbBroadEn_04683	ccsbBroad304_04683		BC014000	115509	ZNF689	no errors	hORFeome V8.1 Collection	115509	ZNF689	NM_138447.1	Full Length 100% match
ccsbBroadEn_04684	ccsbBroad304_04684		BC010167	115708	TRMT61A	no errors	hORFeome V8.1 Collection	115708	TRMT61A	NM_152307.2	Full Length 100% match
ccsbBroadEn_04685	ccsbBroad304_04685		BC013150	115761	ARL11	no errors	hORFeome V8.1 Collection	115761	ARL11	NM_138450.5	Full Length 100% match
ccsbBroadEn_04686	ccsbBroad304_04686		BC028122	115795	C3orf24	no errors	hORFeome V8.1 Collection	115795	C3orf24	NM_173472.1; NM_001164839.1	Full Length 100% match
ccsbBroadEn_04687	ccsbBroad304_04687		BC013151	115811	IQCD	no errors	hORFeome V8.1 Collection	115811	IQCD	NM_138451.1	Full Length 100% match
ccsbBroadEn_04688	ccsbBroad304_04688		BC014004	115825	WDFY2	no errors	hORFeome V8.1 Collection	115825	WDFY2	NM_052950.3	Full Length 100% match
ccsbBroadEn_04689	ccsbBroad304_04689		BC014245	115908	CTHRC1	no errors	hORFeome V8.1 Collection	115908	CTHRC1	NM_138455.2	Full Length 100% match
ccsbBroadEn_04690	ccsbBroad304_04690		BC014187	115950	ZNF653	no errors	hORFeome V8.1 Collection	115950	ZNF653	NM_138783.3	Full Length 100% match
ccsbBroadEn_04691	ccsbBroad304_04691		BC016936	116039	OSR2	no errors	hORFeome V8.1 Collection	116039	OSR2	NM_053001.2	Full Length 100% match
ccsbBroadEn_04692	ccsbBroad304_04692		BC125137	116093	DIRC1	no errors	hORFeome V8.1 Collection	116093	DIRC1	NM_052952.2	Full Length 100% match
ccsbBroadEn_04693	ccsbBroad304_04693	454	BC013013	116115	ZNF526	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	116115	ZNF526	NM_133444.1	Full Length 100% match
ccsbBroadEn_04694	ccsbBroad304_04694		BC040656	116135	LRRC3B	no errors	hORFeome V8.1 Collection	116135	LRRC3B	NM_052953.2	Full Length 100% match
ccsbBroadEn_04695	ccsbBroad304_04695		BC000295,BC021546	116138	KLHDC3	no errors	hORFeome V8.1 Collection	116138	KLHDC3	NM_057161.2	Full Length 100% match
ccsbBroadEn_04696	ccsbBroad304_04696		BC013026,BC066910	116150	NUS1	no errors	hORFeome V8.1 Collection	116150	NUS1	NM_138459.3	Full Length 100% match
ccsbBroadEn_04697	ccsbBroad304_04697		BC117362,BC117364	116154	PHACTR3	no errors	hORFeome V8.1 Collection	116154	PHACTR3	NM_080672.3	Full Length 100% match
ccsbBroadEn_04698	ccsbBroad304_04698		BC036761	116159	CYR1	no errors	hORFeome V8.1 Collection	116159	CYR1	NM_052954.2	Full Length 100% match
ccsbBroadEn_04699	ccsbBroad304_04699		BC013109	116173	CMTM5	no errors	hORFeome V8.1 Collection	116173	CMTM5	NM_138460.2	Full Length 100% match
ccsbBroadEn_04700	ccsbBroad304_04700	454	BC146993	116211	TM4SF19	no errors	hORFeome V8.1 Collection	116211	TM4SF19	NM_138461.3	Full Length 100% match
ccsbBroadEn_04701	ccsbBroad304_04701		BC013062	116224	FAM122A	no errors	hORFeome V8.1 Collection	116224	FAM122A	NM_138333.3	Full Length 100% match
ccsbBroadEn_04702	ccsbBroad304_04702		BC018519	116228	FAM36A	no errors	hORFeome V8.1 Collection	116228	FAM36A	NM_198076.4	Full Length 100% match
ccsbBroadEn_04703	ccsbBroad304_04703		BC014072	116238	TLCD1	no errors	hORFeome V8.1 Collection	116238	TLCD1	NM_138463.3	Full Length 100% match
ccsbBroadEn_04704	ccsbBroad304_04704		BC014320	116254	C6orf72	no errors	hORFeome V8.1 Collection	116254	C6orf72	NM_138785.3	Full Length 100% match
ccsbBroadEn_04705	ccsbBroad304_04705		BC029796	116349	C5orf55	no errors	hORFeome V8.1 Collection	116349	C5orf55	NM_138464.2	Full Length 100% match
ccsbBroadEn_04706	ccsbBroad304_04706		BC063013	116362	RBP7	no errors	hORFeome V8.1 Collection	116362	RBP7	NM_052960.2	Full Length 100% match
ccsbBroadEn_04707	ccsbBroad304_04707		BC017318	116372	LYPD1	no errors	hORFeome V8.1 Collection	116372	LYPD1	NM_144586.5	Full Length 100% match
ccsbBroadEn_04708	ccsbBroad304_04708		BC125167	116379	IL22RA2	no errors	hORFeome V8.1 Collection	116379	IL22RA2	NM_181309.1	Full Length 100% match
ccsbBroadEn_04709	ccsbBroad304_04709	454	BC012365	116412	ZNF837	no errors	hORFeome V8.1 Collection	116412	ZNF837	NM_001129730.1; NM_138466.1	Full Length 100% match
ccsbBroadEn_04710	ccsbBroad304_04710		BC014339	116441	TM4SF18	no errors	hORFeome V8.1 Collection	116441	TM4SF18	NM_001184723.1; NM_138786.3	Full Length 100% match
ccsbBroadEn_04711	ccsbBroad304_04711		BC009714	116442	RAB39B	no errors	hORFeome V8.1 Collection	116442	RAB39B	NM_171998.2	Full Length 100% match
ccsbBroadEn_04712	ccsbBroad304_04712		BC022030	116461	TSEN15	no errors	hORFeome V8.1 Collection	116461	TSEN15	NM_052965.2	Full Length 100% match
ccsbBroadEn_04713	ccsbBroad304_04713		BC069345	116511	MAS1L	no errors	hORFeome V8.1 Collection	116511	MAS1L	NM_052967.1	Full Length 100% match
ccsbBroadEn_04714	ccsbBroad304_04714		BC112203	116534	MRGPRE	no errors	hORFeome V8.1 Collection	116534	MRGPRE	NM_001039165.2	Full Length 100% match
ccsbBroadEn_04715	ccsbBroad304_04715		BC016964	116535	MRGPRF	no errors	hORFeome V8.1 Collection	116535	MRGPRF	NM_001098515.1; NM_145015.4	Full Length 100% match
ccsbBroadEn_04716	ccsbBroad304_04716		BC012163	116540	MRPL53	no errors	hORFeome V8.1 Collection	116540	MRPL53	NM_053050.3	Full Length 100% match



ccsbBroadEn_04717	ccsbBroad304_04717	454	BC112094	116729	DYSFIP1	no errors	hORFeome V8.1 Collection	116729	DYSFIP1	NM_001007533.3	Full Length 100% match
ccsbBroadEn_04718	ccsbBroad304_04718		BC012328	116832	RPL39L	no errors	hORFeome V8.1 Collection	116832	RPL39L	NM_052969.1	Full Length 100% match
ccsbBroadEn_04719	ccsbBroad304_04719	454	BC070199	116842	LEAP2	no errors	hORFeome V8.1 Collection	116842	LEAP2	NM_052971.2	Full Length 100% match
ccsbBroadEn_04720	ccsbBroad304_04720		BC015401	117143	TADA1	no errors	hORFeome V8.1 Collection	117143	TADA1	NM_053053.3	Full Length 100% match
ccsbBroadEn_04721	ccsbBroad304_04721		BC130537,BC130563	117153	MAI2	no errors	hORFeome V8.1 Collection	117153	MAI2	NM_054024.3	Full Length 100% match
ccsbBroadEn_04722	ccsbBroad304_04722		BC022407	117157	SH2D1B	no errors	hORFeome V8.1 Collection	117157	SH2D1B	NM_053282.4	Full Length 100% match
ccsbBroadEn_04723	ccsbBroad304_04723		BC062682	117159	DCD	no errors	hORFeome V8.1 Collection	117159	DCD	NM_053283.2	Full Length 100% match
ccsbBroadEn_04724	ccsbBroad304_04724		BC034222	117245	HRASLS5	no errors	hORFeome V8.1 Collection	117245	HRASLS5	NM_001146729.1	Full Length 100% match
ccsbBroadEn_04725	ccsbBroad304_04725		BC117378	117285	DEFB118	no errors	hORFeome V8.1 Collection	117285	DEFB118	NM_054112.2	Full Length 100% match
ccsbBroadEn_04726	ccsbBroad304_04726		BC015859	117289	TAGAP	no errors	hORFeome V8.1 Collection	117289	TAGAP	NM_138810.2	Full Length 100% match
ccsbBroadEn_04727	ccsbBroad304_04727		BC111731	117289	TAGAP	no errors	hORFeome V8.1 Collection	117289	TAGAP	NM_054114.3	Full Length 100% match
ccsbBroadEn_04728	ccsbBroad304_04728		BC017907,BC033168	117581	TWIST2	no errors	hORFeome V8.1 Collection	117581	TWIST2	NM_057179.2	Full Length 100% match
ccsbBroadEn_04729	ccsbBroad304_04729	454	BC104890	118424	UBE2J2	no errors	hORFeome V8.1 Collection	118424	UBE2J2	NM_058167.2	Full Length 100% match
ccsbBroadEn_04730	ccsbBroad304_04730		BC019897	118472	ZNF511	no errors	hORFeome V8.1 Collection	118472	ZNF511	NM_145806.2	Full Length 100% match
ccsbBroadEn_04731	ccsbBroad304_04731		BC015387,BC020852	118487	CHCHD1	no errors	hORFeome V8.1 Collection	118487	CHCHD1	NM_203298.2	Full Length 100% match
ccsbBroadEn_04732	ccsbBroad304_04732		BC051323	118738	ZNF488	no errors	hORFeome V8.1 Collection	118738	ZNF488	NM_153034.2	Full Length 100% match
ccsbBroadEn_04733	ccsbBroad304_04733		BC047774	118881	COMTD1	no errors	hORFeome V8.1 Collection	118881	COMTD1	NM_144589.2	Full Length 100% match
ccsbBroadEn_04734	ccsbBroad304_04734		BC022091	118980	SFXN2	no errors	hORFeome V8.1 Collection	118980	SFXN2	NM_178858.4	Full Length 100% match
ccsbBroadEn_04735	ccsbBroad304_04735		BC028375	118987	PDZD8	no errors	hORFeome V8.1 Collection	118987	PDZD8	NM_173791.3	Full Length 100% match
ccsbBroadEn_04736	ccsbBroad304_04736		BC056918	119391	GSTO2	no errors	hORFeome V8.1 Collection	119391	GSTO2	NM_183239.1	Full Length 100% match
ccsbBroadEn_04737	ccsbBroad304_04737		BC009530	119504	ANAPC16	no errors	hORFeome V8.1 Collection	119504	ANAPC16	NM_173473.2	Full Length 100% match
ccsbBroadEn_04738	ccsbBroad304_04738		BC063562	119559	SFXN4	no errors	hORFeome V8.1 Collection	119559	SFXN4	NM_213649.1	Full Length 100% match
ccsbBroadEn_04739	ccsbBroad304_04739	454	BC136877	119694	OR51F2	no errors	hORFeome V8.1 Collection	119694	OR51F2	NM_001004753.1	Full Length 100% match
ccsbBroadEn_04740	ccsbBroad304_04740		BC051031	119710	C11orf74	no errors	hORFeome V8.1 Collection	119710	C11orf74	NM_138787.2	Full Length 100% match
ccsbBroadEn_04741	ccsbBroad304_04741	454	BC136935	119764	OR4X2	no errors	hORFeome V8.1 Collection	119764	OR4X2	NM_001004727.1	Full Length 100% match
ccsbBroadEn_04742	ccsbBroad304_04742	454	BC137247	119774	OR52K2	no errors	hORFeome V8.1 Collection	119774	OR52K2	NM_001005172.2	Full Length 100% match
ccsbBroadEn_04743	ccsbBroad304_04743		BC113557	120065	OR5P2	no errors	hORFeome V8.1 Collection	120065	OR5P2	NM_153444.1	Full Length 100% match
ccsbBroadEn_04744	ccsbBroad304_04744		BC016153	120224	TMEM45B	no errors	hORFeome V8.1 Collection	120224	TMEM45B	NM_138788.3	Full Length 100% match
ccsbBroadEn_04745	ccsbBroad304_04745		BC019238	120379	PIH1D2	no errors	hORFeome V8.1 Collection	120379	PIH1D2	NM_138789.3	Full Length 100% match
ccsbBroadEn_04746	ccsbBroad304_04746		BC047775	120534	C11orf46	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	120534	C11orf46	NM_152316.1	Full Length 100% match
ccsbBroadEn_04747	ccsbBroad304_04747	454	BC137007	120586	OR8I2	no errors	hORFeome V8.1 Collection	120586	OR8I2	NM_001003750.1	Full Length 100% match
ccsbBroadEn_04748	ccsbBroad304_04748	454	BC137225	120787	OR52W1	no errors	hORFeome V8.1 Collection	120787	OR52W1	NM_001005178.1	Full Length 100% match
ccsbBroadEn_04749	ccsbBroad304_04749	454	BC136911	120796	OR56A1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	120796	OR56A1	NM_001001917.2	Full Length 100% match
ccsbBroadEn_04750	ccsbBroad304_04750	454	BC101553	121214	SDR9C7	no errors	hORFeome V8.1 Collection	121214	SDR9C7	NM_148897.2	Full Length 100% match
ccsbBroadEn_04751	ccsbBroad304_04751		BC027605	121441	NEDD1	no errors	hORFeome V8.1 Collection	121441	NEDD1	NM_152905.3;	Full Length 100% match
ccsbBroadEn_04752	ccsbBroad304_04752		BC058933	121457	IKBIP	no errors	hORFeome V8.1 Collection	121457	IKBIP	NM_153687.2	Full Length 100% match
ccsbBroadEn_04753	ccsbBroad304_04753		BC030218	121506	ERP27	no errors	hORFeome V8.1 Collection	121506	ERP27	NM_152321.2	Full Length 100% match
ccsbBroadEn_04754	ccsbBroad304_04754		BC032317	121599	SPIC	no errors	hORFeome V8.1 Collection	121599	SPIC	NM_152323.1	Full Length 100% match
ccsbBroadEn_04755	ccsbBroad304_04755		BC070489	121642	ALKBH2	no errors	hORFeome V8.1 Collection	121642	ALKBH2	NM_001145374.1;	Full Length 100% match
ccsbBroadEn_04756	ccsbBroad304_04756	454	BC101625	121665	SPPL3	no errors	hORFeome V8.1 Collection	121665	SPPL3	NM_001001655.2;	Full Length 100% match
ccsbBroadEn_04757	ccsbBroad304_04757		BC029889	121793	C13orf16	no errors	hORFeome V8.1 Collection	121793	C13orf16	NM_001145375.1	Full Length 100% match
ccsbBroadEn_04758	ccsbBroad304_04758		BC030277	122046	C13orf26	no errors	hORFeome V8.1 Collection	122046	C13orf26	NM_139015.3	Full Length 100% match
ccsbBroadEn_04759	ccsbBroad304_04759		BC045177	122060	SLAIN1	no errors	hORFeome V8.1 Collection	122060	SLAIN1	NM_152324.1	Full Length 100% match
ccsbBroadEn_04760	ccsbBroad304_04760		BC120931	122183	PRR20A	no errors	hORFeome V8.1 Collection	122183; 729233; 729240; 729246; 729250; 100510364	PRR20A; PRR20B; PRR20C; PRR20D; PRR20E; LOC100510364	NM_198441.2; NM_001130404.1; NM_001130405.1; NM_001130406.1; NM_001130407.1; XM_003120724.1	Full Length 100% match
ccsbBroadEn_04761	ccsbBroad304_04761		BC015423	122509	IFI27L1	no errors	hORFeome V8.1 Collection	122509	IFI27L1	NM_145249.2;	Full Length 100% match
ccsbBroadEn_04762	ccsbBroad304_04762	454	BC105030	122525	C14orf28	no errors	hORFeome V8.1 Collection	122525	C14orf28	NM_206949.2	Full Length 100% match
ccsbBroadEn_04763	ccsbBroad304_04763		BC047328	122553	TRAPPC6B	no errors	hORFeome V8.1 Collection	122553	TRAPPC6B	NM_001017923.1	Full Length 100% match
ccsbBroadEn_04764	ccsbBroad304_04764		BC047904	122622	ADSSL1	no errors	hORFeome V8.1 Collection	122622	ADSSL1	NM_177452.3	Full Length 100% match
ccsbBroadEn_04765	ccsbBroad304_04765		BC025410	122651	RNASE11	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	122651	RNASE11	NM_152328.3	Full Length 100% match
ccsbBroadEn_04766	Failed LR reaction		BC020521	122786	FRMD6	no errors	hORFeome V8.1 Collection	122786	FRMD6	NM_145250.3	Full Length 100% match
ccsbBroadEn_04767	ccsbBroad304_04767		BC060790	122809	SOCS4	no errors	hORFeome V8.1 Collection	122809	SOCS4	NM_152330.3;	Full Length 100% match
ccsbBroadEn_04768	ccsbBroad304_04768		BC118589	122830	NAA30	no errors	hORFeome V8.1 Collection	122830	NAA30	NM_001042481.1	Full Length 100% match
ccsbBroadEn_04769	ccsbBroad304_04769		BC117341,BC117343	122970	ACOT4	no errors	hORFeome V8.1 Collection	122970	ACOT4	NM_080867.2;	Full Length 100% match
ccsbBroadEn_04770	ccsbBroad304_04770		BC018147	123169	LEO1	no errors	hORFeome V8.1 Collection	123169	LEO1	NM_199421.1	Full Length 100% match
ccsbBroadEn_04771	ccsbBroad304_04771		BC103842	123264	OSTBETA	no errors	hORFeome V8.1 Collection	123264	OSTBETA	NM_001011713.2	Full Length 100% match
ccsbBroadEn_04772	ccsbBroad304_04772		BC047306	123355	LRRC28	no errors	hORFeome V8.1 Collection	123355	LRRC28	NM_152331.3	Full Length 100% match
ccsbBroadEn_04773	ccsbBroad304_04773		BC025678	123606	NIPA1	no errors	hORFeome V8.1 Collection	123606	NIPA1	NM_138792.2	Full Length 100% match
ccsbBroadEn_04774	ccsbBroad304_04774		BC130569	123722	FSD2	no errors	hORFeome V8.1 Collection	123722	FSD2	NM_178859.3	Full Length 100% match
ccsbBroadEn_04775	ccsbBroad304_04775		BC017336	123803	NTAN1	no errors	hORFeome V8.1 Collection	123803	NTAN1	NM_144598.2	Full Length 100% match
ccsbBroadEn_04776	ccsbBroad304_04776		BC022321	123811	C16orf63	no errors	hORFeome V8.1 Collection	123811	C16orf63	NM_001142275.1	Full Length 100% match
ccsbBroadEn_04777	ccsbBroad304_04777		BC100864	123904	NRN1L	no errors	hORFeome V8.1 Collection	123904	NRN1L	NM_001007122.2	Full Length 100% match
ccsbBroadEn_04778	ccsbBroad304_04778		BC021181,BC021718	123970	C16orf78	no errors	hORFeome V8.1 Collection	123970	C16orf78	NM_173474.2	Full Length 100% match
ccsbBroadEn_04779	ccsbBroad304_04779	454	BC015917	124056	NOXO1	no errors	hORFeome V8.1 Collection	124056	NOXO1	NM_144600.2	Full Length 100% match
ccsbBroadEn_04780	ccsbBroad304_04780	454	BC137237	124274	GPR139	no errors	hORFeome V8.1 Collection	124274	GPR139	NM_198443.1	Full Length 100% match
ccsbBroadEn_04781	ccsbBroad304_04781		BC069440	124359	CDYL2	no errors	hORFeome V8.1 Collection	124359	CDYL2	NM_144602.2	Full Length 100% match
ccsbBroadEn_04782	ccsbBroad304_04782		BC035619	124404	SEPT12	no errors	hORFeome V8.1 Collection	124404	SEPT12	NM_144603.2	Full Length 100% match
ccsbBroadEn_04783	ccsbBroad304_04783	454	BC018134,BC055408	124411	ZNF720	no errors	hORFeome V8.1 Collection	124411	ZNF720	NM_001002911.2	Full Length 100% match
ccsbBroadEn_04784	ccsbBroad304_04784		BC027944	124460	SNX20	no errors	hORFeome V8.1 Collection	124460	SNX20	NM_152342.2	Full Length 100% match
ccsbBroadEn_04785	ccsbBroad304_04785		BC018082	124491	TMEM170A	no errors	hORFeome V8.1 Collection	124491	TMEM170A	NM_144605.3	Full Length 100% match
ccsbBroadEn_04786	ccsbBroad304_04786		BC017655,BC065038	124583	CANT1	no errors	hORFeome V8.1 Collection	124583	CANT1	NM_001130913.1	Full Length 100% match
ccsbBroadEn_04787	ccsbBroad304_04787		BC101099	124590	USH1G	no errors	hORFeome V8.1 Collection	124590	USH1G	NM_153337.2	Full Length 100% match
ccsbBroadEn_04788	ccsbBroad304_04788		BC041170	124641	OVCA2	no errors	hORFeome V8.1 Collection	124641	OVCA2	NM_145254.1	Full Length 100% match
ccsbBroadEn_04789	ccsbBroad304_04789		BC025970	124790	HEXIM2	no errors	hORFeome V8.1 Collection	124790	HEXIM2	NM_138793.3;	Full Length 100% match
ccsbBroadEn_04790	ccsbBroad304_04790		BC026187	124817	CNTD1	no errors	hORFeome V8.1 Collection	124817	CNTD1	NM_001159772.1;	Full Length 100% match
ccsbBroadEn_04791	ccsbBroad304_04791		BC100887	124912	SPACA3	no errors	hORFeome V8.1 Collection	124912	SPACA3	NM_001159773.1	Full Length 100% match
ccsbBroadEn_04792	ccsbBroad304_04792		BC027923	124935	SLC43A2	no errors	hORFeome V8.1 Collection	124935	SLC43A2	NM_173477.2	Full Length 100% match
ccsbBroadEn_04793	ccsbBroad304_04793		BC020263,BC051697	124936	CYB5D2	no errors	hORFeome V8.1 Collection	124936	CYB5D2	NM_080822.2	Full Length 100% match
ccsbBroadEn_04794	ccsbBroad304_04794		CCSB53255	124961	ZFP3	no errors	hORFeome V8.1 Collection	124961	ZFP3	NM_144608.1	Full Length 100% match
ccsbBroadEn_04795	ccsbBroad304_04795		BC052601	124995	MRPL10	no errors	hORFeome V8.1 Collection	124995	MRPL10	NM_173478.2	Full Length 100% match
ccsbBroadEn_04796	ccsbBroad304_04796		BC132824	125061	AFMID	no errors	hORFeome V8.1 Collection	125061	AFMID	NM_173847.3	Full Length 100% match



ccsbBroadEn_04797	ccsbBroad304_04797		BC032815	125113	KRT222	no errors	hORFeome V8.1 Collection	125113	KRT222	NM_152349.2	Full Length 100% match
ccsbBroadEn_04798	ccsbBroad304_04798		BC130396	125115	KRT40	no errors	hORFeome V8.1 Collection	125115	KRT40	NM_182497.3	Full Length 100% match
ccsbBroadEn_04799	ccsbBroad304_04799		BC121034	125488	TTC39C	no errors	hORFeome V8.1 Collection	125488	TTC39C	NM_153211.3	Full Length 100% match
ccsbBroadEn_04800	ccsbBroad304_04800		BC105930	125893	ZNF816	no errors	hORFeome V8.1 Collection	125893	ZNF816	NM_001031665.1	Full Length 100% match
ccsbBroadEn_04801	ccsbBroad304_04801		BC101015	125919	ZNF543	no errors	hORFeome V8.1 Collection	125919	ZNF543	NM_213598.3	Full Length 100% match
ccsbBroadEn_04802	ccsbBroad304_04802		BC064548	125965	COX6B2	no errors	hORFeome V8.1 Collection	125965	COX6B2	NM_144613.4	Full Length 100% match
ccsbBroadEn_04803	ccsbBroad304_04803	454	BC112122	125981	ACER1	no errors	hORFeome V8.1 Collection	125981	ACER1	NM_133492.2	Full Length 100% match
ccsbBroadEn_04804	ccsbBroad304_04804	454	BC009557	125988	C19orf70	no errors	hORFeome V8.1 Collection	125988	C19orf70	NM_205767.1	Full Length 100% match
ccsbBroadEn_04805	ccsbBroad304_04805		BC042161	126003	TRAPPC5	no errors	hORFeome V8.1 Collection	126003	TRAPPC5	NM_174894.1; NM_001042462.1; NM_001042461.1	Full Length 100% match
ccsbBroadEn_04806	ccsbBroad304_04806	454	BC038715	126006	PCP2	no errors	hORFeome V8.1 Collection	126006	PCP2	NM_174895.1	Full Length 100% match
ccsbBroadEn_04807	ccsbBroad304_04807	454	BC101590	126069	ZNF491	no errors	hORFeome V8.1 Collection	126069	ZNF491	NM_152356.3	Full Length 100% match
ccsbBroadEn_04808	ccsbBroad304_04808		BC119677	126074	C19orf39	no errors	hORFeome V8.1 Collection	126074	C19orf39	NM_175871.3	Full Length 100% match
ccsbBroadEn_04809	ccsbBroad304_04809	454	BC062416	126119	JOSD2	no errors	hORFeome V8.1 Collection	126119	JOSD2	NM_138334.2	Full Length 100% match
ccsbBroadEn_04810	ccsbBroad304_04810		BC033207	126147	NTN5	no errors	hORFeome V8.1 Collection	126147	NTN5	NM_145807.1	Full Length 100% match
ccsbBroadEn_04811	ccsbBroad304_04811	454	BC009725	126272	EID2B	no errors	hORFeome V8.1 Collection	126272	EID2B	NM_152361.1	Full Length 100% match
ccsbBroadEn_04812	ccsbBroad304_04812		BC021201	126306	JSRP1	no errors	hORFeome V8.1 Collection	126306	JSRP1	NM_144616.3	Full Length 100% match
ccsbBroadEn_04813	ccsbBroad304_04813	454	BC069045	126328	NDUFA11	no errors	hORFeome V8.1 Collection	126328	NDUFA11	NM_175614.4	Full Length 100% match
ccsbBroadEn_04814	ccsbBroad304_04814	454	BC042125	126353	C19orf21	no errors	hORFeome V8.1 Collection	126353	C19orf21	NM_173481.2	Full Length 100% match
ccsbBroadEn_04815	ccsbBroad304_04815		BC057837	126382	NR2C2AP	no errors	hORFeome V8.1 Collection	126382	NR2C2AP	NM_176880.4	Full Length 100% match
ccsbBroadEn_04816	ccsbBroad304_04816		BC027935	126526	C19orf47	no errors	hORFeome V8.1 Collection	126526	C19orf47	NM_178830.2	Full Length 100% match
ccsbBroadEn_04817	ccsbBroad304_04817		BC027033	126626	GABPB2	no errors	hORFeome V8.1 Collection	126626	GABPB2	NM_144618.2	Full Length 100% match
ccsbBroadEn_04818	ccsbBroad304_04818	454	BC137493	126637	TCHHL1	no errors	hORFeome V8.1 Collection	126637	TCHHL1	NM_001008536.1	Full Length 100% match
ccsbBroadEn_04819	ccsbBroad304_04819		BC040265	126820	WDR63	no errors	hORFeome V8.1 Collection	126820	WDR63	NM_145172.3	Full Length 100% match
ccsbBroadEn_04820	ccsbBroad304_04820		BC015544	126961	HIST2H3C	no errors	hORFeome V8.1 Collection	126961; 333932	HIST2H3C; HIST2H3A	NM_021059.2; NM_001005464.2	Full Length 100% match
ccsbBroadEn_04821	ccsbBroad304_04821		BC016711	127018	LYPLAL1	no errors	hORFeome V8.1 Collection	127018	LYPLAL1	NM_138794.3	Full Length 100% match
ccsbBroadEn_04822	ccsbBroad304_04822	454	BC136940	127069	OR2T10	no errors	hORFeome V8.1 Collection	127069	OR2T10	NM_001004693.1	Full Length 100% match
ccsbBroadEn_04823	ccsbBroad304_04823		BC101130	127124	ATP6V1G3	no errors	hORFeome V8.1 Collection	127124	ATP6V1G3	NM_133262.2	Full Length 100% match
ccsbBroadEn_04824	ccsbBroad304_04824		BC036573	127247	ASB17	no errors	hORFeome V8.1 Collection	127247	ASB17	NM_080868.2	Full Length 100% match
ccsbBroadEn_04825	ccsbBroad304_04825	454	BC137026	127385	OR10J5	no errors	hORFeome V8.1 Collection	127385	OR10J5	NM_001004469.1	Full Length 100% match
ccsbBroadEn_04826	ccsbBroad304_04826	454	BC108666	127391	TMCO2	no errors	hORFeome V8.1 Collection	127391	TMCO2	NM_001008740.3	Full Length 100% match
ccsbBroadEn_04827	ccsbBroad304_04827		BC035374	127428	C1orf83	no errors	hORFeome V8.1 Collection	127428	C1orf83	NM_153035.1	Full Length 100% match
ccsbBroadEn_04828	ccsbBroad304_04828		BC009613	127495	LRRC39	no errors	hORFeome V8.1 Collection	127495	LRRC39	NM_144620.2	Full Length 100% match
ccsbBroadEn_04829	ccsbBroad304_04829		BC034709	127534	GJB4	no errors	hORFeome V8.1 Collection	127534	GJB4	NM_153212.2	Full Length 100% match
ccsbBroadEn_04830	ccsbBroad304_04830		BC047428	127733	UBXN10	no errors	hORFeome V8.1 Collection	127733	UBXN10	NM_152376.3	Full Length 100% match
ccsbBroadEn_04831	ccsbBroad304_04831		BC015408	127829	ARL8A	no errors	hORFeome V8.1 Collection	127829	ARL8A	NM_138795.2	Full Length 100% match
ccsbBroadEn_04832	ccsbBroad304_04832		BC100815	127833	SYT2	no errors	hORFeome V8.1 Collection	127833	SYT2	NM_177402.4; NM_001136504.1	Full Length 100% match
ccsbBroadEn_04833	ccsbBroad304_04833		BC058832	127845	GOLT1A	no errors	hORFeome V8.1 Collection	127845	GOLT1A	NM_198447.1	Full Length 100% match
ccsbBroadEn_04834	ccsbBroad304_04834	454	BC035727	128077	LIX1L	no errors	hORFeome V8.1 Collection	128077	LIX1L	NM_153713.1	Full Length 100% match
ccsbBroadEn_04835	ccsbBroad304_04835		BC014608	128153	SPATA17	no errors	hORFeome V8.1 Collection	128153	SPATA17	NM_138796.2	Full Length 100% match
ccsbBroadEn_04836	ccsbBroad304_04836		BC014605	128229	C1orf182	no errors	hORFeome V8.1 Collection	128229	C1orf182	NM_144627.2	Full Length 100% match
ccsbBroadEn_04837	ccsbBroad304_04837	454	BC040640	128272	ARHGEF19	no errors	hORFeome V8.1 Collection	128272	ARHGEF19	NM_153213.3	Full Length 100% match
ccsbBroadEn_04838	ccsbBroad304_04838		BC052806	128308	MRPL55	no errors	hORFeome V8.1 Collection	128308	MRPL55	NM_181456.2; NM_181464.2; NM_181454.2; NM_181465.2; NM_181455.2; NM_181441.2; NM_181463.2	Full Length 100% match
ccsbBroadEn_04839	ccsbBroad304_04839		BC100855	128312	HIST3H2BB	no errors	hORFeome V8.1 Collection	128312	HIST3H2BB	NM_175055.2	Full Length 100% match
ccsbBroadEn_04840	ccsbBroad304_04840	454	BC101501	128344	C1orf88	no errors	hORFeome V8.1 Collection	128344	C1orf88	NM_181643.4	Full Length 100% match
ccsbBroadEn_04841	ccsbBroad304_04841		BC017973	128346	C1orf162	no errors	hORFeome V8.1 Collection	128346	C1orf162	NM_174896.2	Full Length 100% match
ccsbBroadEn_04842	ccsbBroad304_04842	454	BC137288	128408	BHLHE23	no errors	hORFeome V8.1 Collection	128408	BHLHE23	NM_080606.3	Full Length 100% match
ccsbBroadEn_04843	ccsbBroad304_04843	454	BC039607	128497	C20orf165	no errors	hORFeome V8.1 Collection	128497	C20orf165	NM_080608.3	Full Length 100% match
ccsbBroadEn_04844	ccsbBroad304_04844	454	BC035405	128602	C20orf85	no errors	hORFeome V8.1 Collection	128602	C20orf85	NM_178456.2	Full Length 100% match
ccsbBroadEn_04845	ccsbBroad304_04845		BC014983	128637	TBC1D20	no errors	hORFeome V8.1 Collection	128637	TBC1D20	NM_144628.2	Full Length 100% match
ccsbBroadEn_04846	ccsbBroad304_04846		BC014591	128653	C20orf141	no errors	hORFeome V8.1 Collection	128653	C20orf141	NM_080739.2	Full Length 100% match
ccsbBroadEn_04847	ccsbBroad304_04847		BC029656	128821	CST9L	no errors	hORFeome V8.1 Collection	128821	CST9L	NM_080610.2	Full Length 100% match
ccsbBroadEn_04848	ccsbBroad304_04848	454	BC137302	128822	CST9	no errors	hORFeome V8.1 Collection	128822	CST9	NM_001008693.2	Full Length 100% match
ccsbBroadEn_04849	ccsbBroad304_04849		BC110595	128826	C20orf166	no errors	hORFeome V8.1 Collection	128826	C20orf166	NM_178463.3	Full Length 100% match
ccsbBroadEn_04850	ccsbBroad304_04850		BC117279	129285	KLRAQ1	no errors	hORFeome V8.1 Collection	129285	KLRAQ1	NM_001135629.2	Full Length 100% match
ccsbBroadEn_04851	ccsbBroad304_04851		BC050466	129303	TMEM150A	no errors	hORFeome V8.1 Collection	129303	TMEM150A	NM_001031738.2	Full Length 100% match
ccsbBroadEn_04852	ccsbBroad304_04852		BC047029,BC061698	129401	NUP35	no errors	hORFeome V8.1 Collection	129401	NUP35	NM_138285.3	Full Length 100% match
ccsbBroadEn_04853	ccsbBroad304_04853		BC132835	129450	C2orf60	no errors	hORFeome V8.1 Collection	129450	C2orf60	NM_001039693.2	Full Length 100% match
ccsbBroadEn_04854	ccsbBroad304_04854		BC018453	129531	MITD1	no errors	hORFeome V8.1 Collection	129531	MITD1	NM_138798.1	Full Length 100% match
ccsbBroadEn_04855	ccsbBroad304_04855		BC126986	129804	FBLN7	no errors	hORFeome V8.1 Collection	129804	FBLN7	NM_001128165.1	Full Length 100% match
ccsbBroadEn_04856	ccsbBroad304_04856		BC066549	129831	RBM45	no errors	hORFeome V8.1 Collection	129831	RBM45	NM_152945.2	Full Length 100% match
ccsbBroadEn_04857	ccsbBroad304_04857		BC015353	129868	TRIM43	no errors	hORFeome V8.1 Collection	129868	TRIM43	NM_138800.1	Full Length 100% match
ccsbBroadEn_04858	ccsbBroad304_04858	454	BC127684	130106	CIB4	no errors	hORFeome V8.1 Collection	130106	CIB4	NM_001029881.1	Full Length 100% match
ccsbBroadEn_04859	ccsbBroad304_04859		BC113361	130132	RFTN2	no errors	hORFeome V8.1 Collection	130132	RFTN2	NM_144629.2	Full Length 100% match
ccsbBroadEn_04860	ccsbBroad304_04860		BC126395,BC126397	130355	C2orf76	no errors	hORFeome V8.1 Collection	130355	C2orf76	NM_001017927.2	Full Length 100% match
ccsbBroadEn_04861	ccsbBroad304_04861		BC057850	130502	TTC32	no errors	hORFeome V8.1 Collection	130502	TTC32	NM_001008237.1	Full Length 100% match
ccsbBroadEn_04862	Failed LR reaction		BC052282	130557	ZNF513	no errors	hORFeome V8.1 Collection	130557	ZNF513	NM_144631.4	Full Length 100% match
ccsbBroadEn_04863	ccsbBroad304_04863	454	BC047013	130574	LYPD6	no errors	hORFeome V8.1 Collection	130574	LYPD6	NM_001195685.1; NM_194317.3	Full Length 100% match
ccsbBroadEn_04864	ccsbBroad304_04864		BC014916,BC019263	130589	GALM	no errors	hORFeome V8.1 Collection	130589	GALM	NM_138801.2	Full Length 100% match
ccsbBroadEn_04865	ccsbBroad304_04865		BC018415	130617	ZFAND2B	no errors	hORFeome V8.1 Collection	130617	ZFAND2B	NM_138802.1	Full Length 100% match
ccsbBroadEn_04866	ccsbBroad304_04866		BC120930	130813	C2orf50	no errors	hORFeome V8.1 Collection	130813	C2orf50	NM_182500.2	Full Length 100% match
ccsbBroadEn_04867	ccsbBroad304_04867		BC113671,BC117278	130872	AHSA2	no errors	hORFeome V8.1 Collection	130872	AHSA2	NM_152392.3	Full Length 100% match
ccsbBroadEn_04868	ccsbBroad304_04868		BC025997	130951	C2orf65	no errors	hORFeome V8.1 Collection	130951	C2orf65	NM_138804.3	Full Length 100% match
ccsbBroadEn_04869	ccsbBroad304_04869		BC014396	131034	CPNE4	no errors	hORFeome V8.1 Collection	131034	CPNE4	NM_130808.1	Full Length 100% match
ccsbBroadEn_04870	ccsbBroad304_04870	454	BC062725	131076	CCDC58	no errors	hORFeome V8.1 Collection	131076	CCDC58	NM_001017928.2	Full Length 100% match
ccsbBroadEn_04871	ccsbBroad304_04871		BC015359	131177	FAM3D	no errors	hORFeome V8.1 Collection	131177	FAM3D	NM_138805.2	Full Length 100% match
ccsbBroadEn_04872	ccsbBroad304_04872		BC016747	131375	LYZL4	no errors	hORFeome V8.1 Collection	131375	LYZL4	NM_144634.2	Full Length 100% match
ccsbBroadEn_04873	ccsbBroad304_04873		BC069661,BC069721	131450	CD200R1	no errors	hORFeome V8.1 Collection	131450	CD200R1	NM_138806.3	Full Length 100% match
ccsbBroadEn_04874	ccsbBroad304_04874		BC017082,BC033775	131474	CHCHD4	no errors	hORFeome V8.1 Collection	131474	CHCHD4	NM_001098502.1	Full Length 100% match
ccsbBroadEn_04875	ccsbBroad304_04875		BC101065	131578	LRRC15	no errors	hORFeome V8.1 Collection	131578	LRRC15	NM_130830.4	Full Length 100% match
ccsbBroadEn_04876	ccsbBroad304_04876		BC064989	131583	FAM43A	no errors	hORFeome V8.1 Collection	131583	FAM43A	NM_153690.4	Full Length 100% match
ccsbBroadEn_04877	ccsbBroad304_04877		BC019851	131616	TMEM42	no errors	hORFeome V8.1 Collection	131616	TMEM42	NM_144638.1	Full Length 100% match
ccsbBroadEn_04878	ccsbBroad304_04878		BC009644	132160	PPM1M	no errors	hORFeome V8.1 Collection	132160	PPM1M	NM_001122870.1	Full Length 100% match



ccsbBroadEn_04879	ccsbBroad304_04879		BC022518	132204	SYNPR	no errors	hORFeome V8.1 Collection	132204	SYNPR	NM_144642.4	Full Length 100% match
ccsbBroadEn_04880	ccsbBroad304_04880		BC028000	132228	C3orf45	no errors	hORFeome V8.1 Collection	132228	C3orf45	NM_153215.1	Full Length 100% match
ccsbBroadEn_04881	ccsbBroad304_04881		BC016746	132989	C4orf36	no errors	hORFeome V8.1 Collection	132989	C4orf36	NM_144645.3	Full Length 100% match
ccsbBroadEn_04882	ccsbBroad304_04882		BC035035	133121	ENPP6	no errors	hORFeome V8.1 Collection	133121	ENPP6	NM_153343.3	Full Length 100% match
ccsbBroadEn_04883	ccsbBroad304_04883		BC059398	133418	EMB	no errors	hORFeome V8.1 Collection	133418	EMB	NM_198449.2	Full Length 100% match
ccsbBroadEn_04884	Failed LR reaction		BC062567	133686	C5orf33	no errors	hORFeome V8.1 Collection	133686	C5orf33	NM_153013.3	Full Length 100% match
ccsbBroadEn_04885	ccsbBroad304_04885		BC068446	133688	UGT3A1	no errors	hORFeome V8.1 Collection	133688	UGT3A1	NM_152404.3	Full Length 100% match
ccsbBroadEn_04886	ccsbBroad304_04886		BC015349	133957	CCDC127	no errors	hORFeome V8.1 Collection	133957	CCDC127	NM_145265.2	Full Length 100% match
ccsbBroadEn_04887	ccsbBroad304_04887		BC104205	134121	C5orf49	no errors	hORFeome V8.1 Collection	134121	C5orf49	NM_001089584.1	Full Length 100% match
ccsbBroadEn_04888	ccsbBroad304_04888		BC001573	134147	CMBL	no errors	hORFeome V8.1 Collection	134147	CMBL	NM_138809.3	Full Length 100% match
ccsbBroadEn_04889	ccsbBroad304_04889		BC125093	134265	AFAP1L1	no errors	hORFeome V8.1 Collection	134265	AFAP1L1	NM_152406.2	Full Length 100% match
ccsbBroadEn_04890	ccsbBroad304_04890		BC070090	134266	GRPEL2	no errors	hORFeome V8.1 Collection	134266	GRPEL2	NM_152407.3	Full Length 100% match
ccsbBroadEn_04891	ccsbBroad304_04891		BC019346	134288	TMEM174	no errors	hORFeome V8.1 Collection	134288	TMEM174	NM_153217.2	Full Length 100% match
ccsbBroadEn_04892	ccsbBroad304_04892		BC101325	134359	POC5	no errors	hORFeome V8.1 Collection	134359	POC5	NM_152408.2	Full Length 100% match
ccsbBroadEn_04893	ccsbBroad304_04893		BC017934	134492	NUDCD2	no errors	hORFeome V8.1 Collection	134492	NUDCD2	NM_145266.4	Full Length 100% match
ccsbBroadEn_04894	ccsbBroad304_04894	454	BC075010	134526	ACOT12	no errors	hORFeome V8.1 Collection	134526	ACOT12	NM_130767.2	Full Length 100% match
ccsbBroadEn_04895	ccsbBroad304_04895		BC053677	134553	C5orf24	no errors	hORFeome V8.1 Collection	134553	C5orf24	NM_152409.3; NM_001135586.1	Full Length 100% match
ccsbBroadEn_04896	ccsbBroad304_04896		BC130460	134701	RIPPLY2	no errors	hORFeome V8.1 Collection	134701	RIPPLY2	NM_001009994.1	Full Length 100% match
ccsbBroadEn_04897	ccsbBroad304_04897		BC101376	134829	CLVS2	no errors	hORFeome V8.1 Collection	134829	CLVS2	NM_001010852.2	Full Length 100% match
ccsbBroadEn_04898	ccsbBroad304_04898		BC030642	135138	PACRG	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	135138	PACRG	NM_001080379.1; NM_001080378.1	Full Length 100% match
ccsbBroadEn_04899	ccsbBroad304_04899		BC044227	135138	PACRG	no errors	hORFeome V8.1 Collection	135138	PACRG	NM_001080378.1	Full Length 100% match
ccsbBroadEn_04900	ccsbBroad304_04900	454	BC035036	135293	PM20D2	no errors	hORFeome V8.1 Collection	135293	PM20D2	NM_001010853.1	Full Length 100% match
ccsbBroadEn_04901	ccsbBroad304_04901		BC035517	135932	TMEM139	no errors	hORFeome V8.1 Collection	135932	TMEM139	NM_153345.1	Full Length 100% match
ccsbBroadEn_04902	ccsbBroad304_04902	454	BC137047	135946	OR6B1	no errors	hORFeome V8.1 Collection	135946	OR6B1	NM_001005281.1	Full Length 100% match
ccsbBroadEn_04903	ccsbBroad304_04903		BC128392	136051	ZNF786	no errors	hORFeome V8.1 Collection	136051	ZNF786	NM_152411.3	Full Length 100% match
ccsbBroadEn_04904	ccsbBroad304_04904	454	BC137353	136242	PRSS37	no errors	hORFeome V8.1 Collection	136242	PRSS37	NM_001008270.2	Full Length 100% match
ccsbBroadEn_04905	ccsbBroad304_04905		BC017587	136263	C7orf45	no errors	hORFeome V8.1 Collection	136263	C7orf45	NM_145268.3	Full Length 100% match
ccsbBroadEn_04906	ccsbBroad304_04906		BC028093	136319	MTPN	no errors	hORFeome V8.1 Collection	136319	MTPN	NM_145808.3	Full Length 100% match
ccsbBroadEn_04907	ccsbBroad304_04907		BC026265	136647	C7orf11	no errors	hORFeome V8.1 Collection	136647	C7orf11	NM_138701.3	Full Length 100% match
ccsbBroadEn_04908	ccsbBroad304_04908		BC126186,BC126188	136991	ASZ1	no errors	hORFeome V8.1 Collection	136991	ASZ1	NM_130768.2	Full Length 100% match
ccsbBroadEn_04909	ccsbBroad304_04909		BC130517	137209	ZNF572	no errors	hORFeome V8.1 Collection	137209	ZNF572	NM_152412.2	Full Length 100% match
ccsbBroadEn_04910	ccsbBroad304_04910	454	BC119812	137797	LYPD2	no errors	hORFeome V8.1 Collection	137797	LYPD2	NM_205545.1	Full Length 100% match
ccsbBroadEn_04911	ccsbBroad304_04911		BC062592	137835	TMEM71	no errors	hORFeome V8.1 Collection	137835	TMEM71	NM_144649.2	Full Length 100% match
ccsbBroadEn_04912	ccsbBroad304_04912		BC051377	137964	AGPAT6	no errors	hORFeome V8.1 Collection	137964	AGPAT6	NM_178819.3	Full Length 100% match
ccsbBroadEn_04913	ccsbBroad304_04913		BC111778	138009	DCAF4L2	no errors	hORFeome V8.1 Collection	138009	DCAF4L2	NM_152418.3	Full Length 100% match
ccsbBroadEn_04914	ccsbBroad304_04914		BC031090	138046	RALYL	no errors	hORFeome V8.1 Collection	138046	RALYL	NM_173848.5; NM_001100392.1; NM_001100393.1	Full Length 100% match
ccsbBroadEn_04915	ccsbBroad304_04915		BC021261	138162	C9orf116	no errors	hORFeome V8.1 Collection	138162	C9orf116	NM_144654.2	Full Length 100% match
ccsbBroadEn_04916	ccsbBroad304_04916		BC034033	138199	C9orf41	no errors	hORFeome V8.1 Collection	138199	C9orf41	NM_152420.1	Full Length 100% match
ccsbBroadEn_04917	ccsbBroad304_04917		BC052375	138241	C9orf85	no errors	hORFeome V8.1 Collection	138241	C9orf85	NM_182505.3	Full Length 100% match
ccsbBroadEn_04918	ccsbBroad304_04918		BC130465,BC132714	138307	LCN8	no errors	hORFeome V8.1 Collection	138307	LCN8	NM_178469.3	Full Length 100% match
ccsbBroadEn_04919	ccsbBroad304_04919		BC047012	138428	PTRH1	no errors	hORFeome V8.1 Collection	138428	PTRH1	NM_001002913.1	Full Length 100% match
ccsbBroadEn_04920	ccsbBroad304_04920		BC042184	138429	PIP5K1L1	no errors	hORFeome V8.1 Collection	138429	PIP5K1L1	NM_173492.1	Full Length 100% match
ccsbBroadEn_04921	ccsbBroad304_04921		BC032136	138716	C9orf23	no errors	hORFeome V8.1 Collection	138716	C9orf23	NM_148178.1; NM_148179.1	Full Length 100% match
ccsbBroadEn_04922	ccsbBroad304_04922	454	BC136843	138799	OR13C5	no errors	hORFeome V8.1 Collection	138799	OR13C5	NM_001004482.1	Full Length 100% match
ccsbBroadEn_04923	ccsbBroad304_04923	454	BC136949	138803	OR13C3	no errors	hORFeome V8.1 Collection	138803	OR13C3	NM_001001961.1	Full Length 100% match
ccsbBroadEn_04924	ccsbBroad304_04924		BC103893	139081	MAGEC3	no errors	hORFeome V8.1 Collection	139081	MAGEC3	NM_177456.2	Full Length 100% match
ccsbBroadEn_04925	ccsbBroad304_04925		BC109292	139221	MUM1L1	no errors	hORFeome V8.1 Collection	139221	MUM1L1	NM_152423.4; NM_001171020.1	Full Length 100% match
ccsbBroadEn_04926	ccsbBroad304_04926		BC107096	139322	APOOL	no errors	hORFeome V8.1 Collection	139322	APOOL	NM_198450.4	Full Length 100% match
ccsbBroadEn_04927	Failed LR reaction	454	BC101720	139324	HDX	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	139324	HDX	NM_144657.4	Full Length 100% match
ccsbBroadEn_04928	ccsbBroad304_04928		BC101308	139422	MAGEB10	no errors	hORFeome V8.1 Collection	139422	MAGEB10	NM_182506.3	Full Length 100% match
ccsbBroadEn_04929	ccsbBroad304_04929	454	BC137355	139562	OTUD6A	no errors	hORFeome V8.1 Collection	139562	OTUD6A	NM_207320.1	Full Length 100% match
ccsbBroadEn_04930	ccsbBroad304_04930	454	BC093964	139599	MAGEE2	no errors	hORFeome V8.1 Collection	139599	MAGEE2	NM_138703.4	Full Length 100% match
ccsbBroadEn_04931	ccsbBroad304_04931		BC012934	139628	FOXR2	no errors	hORFeome V8.1 Collection	139628	FOXR2	NM_198451.3	Full Length 100% match
ccsbBroadEn_04932	ccsbBroad304_04932		BC014597	139741	ACTRT1	no errors	hORFeome V8.1 Collection	139741	ACTRT1	NM_138289.3	Full Length 100% match
ccsbBroadEn_04933	ccsbBroad304_04933		BC126179,BC126181	139760	GPR119	no errors	hORFeome V8.1 Collection	139760	GPR119	NM_178471.2	Full Length 100% match
ccsbBroadEn_04934	ccsbBroad304_04934		BC112360	139886	SPIN4	no errors	hORFeome V8.1 Collection	139886	SPIN4	NM_001012968.2	Full Length 100% match
ccsbBroadEn_04935	ccsbBroad304_04935		BC063581	140460	ASB7	no errors	hORFeome V8.1 Collection	140460	ASB7	NM_024708.3	Full Length 100% match
ccsbBroadEn_04936	ccsbBroad304_04936		BC001321	140461	ASB8	no errors	hORFeome V8.1 Collection	140461	ASB8	NM_024095.3	Full Length 100% match
ccsbBroadEn_04937	ccsbBroad304_04937		BC013172	140462	ASB9	no errors	hORFeome V8.1 Collection	140462	ASB9	NM_001031739.2	Full Length 100% match
ccsbBroadEn_04938	ccsbBroad304_04938		BC010541,BC019099	140576	S100A16	no errors	hORFeome V8.1 Collection	140576	S100A16	NM_080388.1	Full Length 100% match
ccsbBroadEn_04939	ccsbBroad304_04939		BC100848	140596	DEFB104A	no errors	hORFeome V8.1 Collection	140596; 503618	DEFB104A; DEFB104B	NM_080389.2; NM_001040702.1	Full Length 100% match
ccsbBroadEn_04940	ccsbBroad304_04940		BC013421,BC030236	140606	SELM	early stop codon	hORFeome V8.1 Mutant Subcollection	140606	SELM	NM_080430.2	Full Length 100% match
ccsbBroadEn_04941	ccsbBroad304_04941	454	BC053582	140679	SLC32A1	no errors	hORFeome V8.1 Collection	140679	SLC32A1	NM_080552.2	Full Length 100% match
ccsbBroadEn_04942	ccsbBroad304_04942		BC069402,BC069516	140689	CBLN4	no errors	hORFeome V8.1 Collection	140689	CBLN4	NM_080617.4	Full Length 100% match
ccsbBroadEn_04943	ccsbBroad304_04943		BC033314	140691	TRIM69	no errors	hORFeome V8.1 Collection	140691	TRIM69	NM_080745.3	Full Length 100% match
ccsbBroadEn_04944	ccsbBroad304_04944	454	BC067362	140700	SAMD10	no errors	hORFeome V8.1 Collection	140700	SAMD10	NM_080621.4	Full Length 100% match
ccsbBroadEn_04945	ccsbBroad304_04945		BC130646,BC130648	140711	C20orf118	no errors	hORFeome V8.1 Collection	140711	C20orf118	NM_080628.1	Full Length 100% match
ccsbBroadEn_04946	ccsbBroad304_04946	454	BC018687	140733	MACROD2	no errors	hORFeome V8.1 Collection	140733	MACROD2	NM_001033087.1	Full Length 100% match
ccsbBroadEn_04947	ccsbBroad304_04947		BC010744	140735	DYNLL2	no errors	hORFeome V8.1 Collection	140735	DYNLL2	NM_080677.2	Full Length 100% match
ccsbBroadEn_04948	ccsbBroad304_04948		BC023514	140767	NRSN1	no errors	hORFeome V8.1 Collection	140767	NRSN1	NM_080723.4	Full Length 100% match
ccsbBroadEn_04949	Failed LR reaction		BC008488	140823	ROMO1	no errors	hORFeome V8.1 Collection	140823	ROMO1	NM_080748.2	Full Length 100% match
ccsbBroadEn_04950	ccsbBroad304_04950		BC131579	140832	WFDC10A	no errors	hORFeome V8.1 Collection	140832	WFDC10A	NM_080753.2	Full Length 100% match
ccsbBroadEn_04951	ccsbBroad304_04951		BC022552	140838	NANP	no errors	hORFeome V8.1 Collection	140838	NANP	NM_152667.2	Full Length 100% match
ccsbBroadEn_04952	ccsbBroad304_04952		BC069486	140850	DEFB127	no errors	hORFeome V8.1 Collection	140850	DEFB127	NM_139074.2	Full Length 100% match
ccsbBroadEn_04953	ccsbBroad304_04953	454	BC105121	140856	C20orf79	no errors	hORFeome V8.1 Collection	140856	C20orf79	NM_178483.2	Full Length 100% match
ccsbBroadEn_04954	ccsbBroad304_04954	454	BC101600	140870	WFDC6	no errors	hORFeome V8.1 Collection	140870	WFDC6	NM_080827.1	Full Length 100% match
ccsbBroadEn_04955	ccsbBroad304_04955	454	BC121079	140880	CST11	no errors	hORFeome V8.1 Collection	140880	CST11	NM_080830.2	Full Length 100% match
ccsbBroadEn_04956	ccsbBroad304_04956		BC063113	140886	PABPC5	no errors	hORFeome V8.1 Collection	140886	PABPC5	NM_080832.2	Full Length 100% match
ccsbBroadEn_04957	ccsbBroad304_04957		BC067770,BC112343	140890	SREK1	no errors	hORFeome V8.1 Collection	140890	SREK1	NM_139168.2	Full Length 100% match
ccsbBroadEn_04958	ccsbBroad304_04958		BC107048	140902	R3HDML	no errors	hORFeome V8.1 Collection	140902	R3HDML	NM_178491.2	Full Length 100% match
ccsbBroadEn_04959	ccsbBroad304_04959		BC069608,BC069610	140947	C5orf20	no errors	hORFeome V8.1 Collection	140947	C5orf20	NM_130848.2	Full Length 100% match
ccsbBroadEn_04960	ccsbBroad304_04960		BC035000	142679	DUSP19	no errors	hORFeome V8.1 Collection	142679	DUSP19	NM_080876.3	Full Length 100% match
ccsbBroadEn_04961	ccsbBroad304_04961		BC113501,BC117232	142684	RAB40A	no errors	hORFeome V8.1 Collection	142684	RAB40A	NM_080879.2	Full Length 100% match
ccsbBroadEn_04962	ccsbBroad304_04962		BC030601	142940	TRUB1	no errors	hORFeome V8.1 Collection	142940	TRUB1	NM_139169.4	Full Length 100% match



ccsbBroadEn_04963	ccsbBroad304_04963		BC021737	143379	C10orf82	no errors	hORFeome V8.1 Collection	143379	C10orf82	NM_144661.2	Full Length 100% match
ccsbBroadEn_04964	ccsbBroad304_04964		BC046367	143425	SYT9	no errors	hORFeome V8.1 Collection	143425	SYT9	NM_175733.3	Full Length 100% match
ccsbBroadEn_04965	ccsbBroad304_04965		BC117466	143879	KBTD3	no errors	hORFeome V8.1 Collection	143879	KBTD3	NM_198439.2;	Full Length 100% match
ccsbBroadEn_04966	ccsbBroad304_04966		BC056402	144097	C11orf84	no errors	hORFeome V8.1 Collection	144097	C11orf84	NM_152433.3	Full Length 100% match
ccsbBroadEn_04967	ccsbBroad304_04967		BC111765	144132	DNHD1	no errors	hORFeome V8.1 Collection	144132	DNHD1	NM_138471.1	Full Length 100% match
ccsbBroadEn_04968	ccsbBroad304_04968		BC114939	144165	PRICKLE1	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	144165	PRICKLE1	NM_153026.2;	Full Length 100% match
ccsbBroadEn_04969	ccsbBroad304_04969		BC053560	144233	BCDIN3D	no errors	hORFeome V8.1 Collection	144233	BCDIN3D	NM_001144881.1;	Full Length 100% match
ccsbBroadEn_04970	ccsbBroad304_04970	454	BC137413	144245	ALG10B	no errors	hORFeome V8.1 Collection	144245	ALG10B	NM_001144882.1;	Full Length 100% match
ccsbBroadEn_04971	ccsbBroad304_04971		BC029557	144321	GLIPR1L2	no errors	hORFeome V8.1 Collection	144321	GLIPR1L2	NM_001144883.1	Full Length 100% match
ccsbBroadEn_04972	ccsbBroad304_04972		BC127768	144404	TMEM120B	no errors	hORFeome V8.1 Collection	144404	TMEM120B	NM_181708.2	Full Length 100% match
ccsbBroadEn_04973	ccsbBroad304_04973	454	BC034809	144717	FAM109A	no errors	hORFeome V8.1 Collection	144717	FAM109A	NM_001013620.3	Full Length 100% match
ccsbBroadEn_04974	ccsbBroad304_04974		BC112237	144809	C13orf30	no errors	hORFeome V8.1 Collection	144809	C13orf30	NM_152436.1	Full Length 100% match
ccsbBroadEn_04975	ccsbBroad304_04975	454	BC063580	145258	GSC	no errors	hORFeome V8.1 Collection	145258	GSC	NM_001080825.2	Full Length 100% match
ccsbBroadEn_04976	ccsbBroad304_04976		BC040857	145264	SERPINA12	no errors	hORFeome V8.1 Collection	145264	SERPINA12	NM_001177997.1;	Full Length 100% match
ccsbBroadEn_04977	ccsbBroad304_04977		BC051382	145553	MDP1	no errors	hORFeome V8.1 Collection	145553	MDP1	NM_144671.4	Full Length 100% match
ccsbBroadEn_04978	ccsbBroad304_04978		BC062320	145864	HAPLN3	no errors	hORFeome V8.1 Collection	145864	HAPLN3	NM_182508.2	Full Length 100% match
ccsbBroadEn_04979	ccsbBroad304_04979		BC029221	145942	TMCO5A	no errors	hORFeome V8.1 Collection	145942	TMCO5A	NM_173849.2	Full Length 100% match
ccsbBroadEn_04980	ccsbBroad304_04980		BC066292	145946	SPATA8	no errors	hORFeome V8.1 Collection	145946	SPATA8	NM_173850.2	Full Length 100% match
ccsbBroadEn_04981	ccsbBroad304_04981		BC017568	145957	NRG4	no errors	hORFeome V8.1 Collection	145957	NRG4	NM_138476.2	Full Length 100% match
ccsbBroadEn_04982	ccsbBroad304_04982		BC117335	146212	KCTD19	no errors	hORFeome V8.1 Collection	146212	KCTD19	NM_178232.2	Full Length 100% match
ccsbBroadEn_04983	ccsbBroad304_04983	454	BC093679	146223	CMTM4	no errors	hORFeome V8.1 Collection	146223	CMTM4	NM_152453.2	Full Length 100% match
ccsbBroadEn_04984	ccsbBroad304_04984		BC025354	146225	CMTM2	no errors	hORFeome V8.1 Collection	146225	CMTM2	NM_173499.3	Full Length 100% match
ccsbBroadEn_04985	ccsbBroad304_04985		BC130336,BC130338	146279	TEKT5	no errors	hORFeome V8.1 Collection	146279	TEKT5	NM_138573.3	Full Length 100% match
ccsbBroadEn_04986	ccsbBroad304_04986		BC113014	146310	RNF151	no errors	hORFeome V8.1 Collection	146310	RNF151	NM_001100915.1	Full Length 100% match
ccsbBroadEn_04987	ccsbBroad304_04987		BC101436	146378	C16orf92	no errors	hORFeome V8.1 Collection	146378	C16orf92	NM_181521.2	Full Length 100% match
ccsbBroadEn_04988	ccsbBroad304_04988	454	BC101433	146378	C16orf92	no errors	hORFeome V8.1 Collection	146378	C16orf92	NM_144673.2	Full Length 100% match
ccsbBroadEn_04989	ccsbBroad304_04989		BC016460	146395	GSG1L	no errors	hORFeome V8.1 Collection	146395	GSG1L	NM_144674.1	Full Length 100% match
ccsbBroadEn_04990	ccsbBroad304_04990		BC029899	146434	ZNF597	no errors	hORFeome V8.1 Collection	146434	ZNF597	NM_174903.4	Full Length 100% match
ccsbBroadEn_04991	ccsbBroad304_04991		BC040642	146540	ZNF785	no errors	hORFeome V8.1 Collection	146540	ZNF785	NM_001109660.1	Full Length 100% match
ccsbBroadEn_04992	ccsbBroad304_04992	454	BC051650	146691	TOM1L2	no errors	hORFeome V8.1 Collection	146691	TOM1L2	NM_001109659.1	Full Length 100% match
ccsbBroadEn_04993	ccsbBroad304_04993		BC029224	146849	CCDC42	no errors	hORFeome V8.1 Collection	146849	CCDC42	NM_144675.2	Full Length 100% match
ccsbBroadEn_04994	ccsbBroad304_04994		BC033113	147007	TMEM199	no errors	hORFeome V8.1 Collection	147007	TMEM199	NM_152457.1	Full Length 100% match
ccsbBroadEn_04995	ccsbBroad304_04995		BC019929,BC110598	147040	KCTD11	no errors	hORFeome V8.1 Collection	147040	KCTD11	NM_152458.6	Full Length 100% match
ccsbBroadEn_04996	ccsbBroad304_04996		BC053324	147495	APCDD1	no errors	hORFeome V8.1 Collection	147495	APCDD1	NM_001033551.2	Full Length 100% match
ccsbBroadEn_04997	ccsbBroad304_04997	454	BC033933	147685	C19orf18	no errors	hORFeome V8.1 Collection	147685	C19orf18	NM_001158261.1	Full Length 100% match
ccsbBroadEn_04998	ccsbBroad304_04998		BC112244	147686	ZNF418	no errors	hORFeome V8.1 Collection	147686	ZNF418	NM_152464.1	Full Length 100% match
ccsbBroadEn_04999	Failed LR reaction		BC128189	147744	TMEM190	no errors	hORFeome V8.1 Collection	147744	TMEM190	NM_153000.4	Full Length 100% match
ccsbBroadEn_05000	ccsbBroad304_05000		BC014666	147807	ZNF524	no errors	hORFeome V8.1 Collection	147807	ZNF524	NM_001002914.2	Full Length 100% match
ccsbBroadEn_05001	ccsbBroad304_05001	454	BC065822	147808	ZNF784	no errors	hORFeome V8.1 Collection	147808	ZNF784	NM_152474.4	Full Length 100% match
ccsbBroadEn_05002	ccsbBroad304_05002		BC022523	147837	ZNF563	no errors	hORFeome V8.1 Collection	147837	ZNF563	NM_133460.1	Full Length 100% match
ccsbBroadEn_05003	ccsbBroad304_05003	454	BC105039	147841	SPC24	no errors	hORFeome V8.1 Collection	147841	SPC24	NM_139172.1	Full Length 100% match
ccsbBroadEn_05004	ccsbBroad304_05004	454	BC026210	147923	ZNF420	no errors	hORFeome V8.1 Collection	147923	ZNF420	NM_153219.2	Full Length 100% match
ccsbBroadEn_05005	ccsbBroad304_05005		BC101009	147948	ZNF582	no errors	hORFeome V8.1 Collection	147948	ZNF582	NM_203374.1	Full Length 100% match
ccsbBroadEn_05006	ccsbBroad304_05006		BC111772	147949	ZNF583	no errors	hORFeome V8.1 Collection	147949	ZNF583	NM_145276.2	Full Length 100% match
ccsbBroadEn_05007	ccsbBroad304_05007	454	BC110893	148137	C19orf55	no errors	hORFeome V8.1 Collection	148137	C19orf55	NM_144690.1	Full Length 100% match
ccsbBroadEn_05008	ccsbBroad304_05008		BC064356	148156	ZNF558	no errors	hORFeome V8.1 Collection	148156	ZNF558	NM_152478.2;	Full Length 100% match
ccsbBroadEn_05009	ccsbBroad304_05009		BC018441	148223	C19orf25	no errors	hORFeome V8.1 Collection	148223	C19orf25	NM_001159861.1;	Full Length 100% match
ccsbBroadEn_05010	ccsbBroad304_05010		BC044948	148281	SYT6	no errors	hORFeome V8.1 Collection	148281	SYT6	NM_001159860.1	Full Length 100% match
ccsbBroadEn_05011	ccsbBroad304_05011	454	BC039719	148304	C1orf74	no errors	hORFeome V8.1 Collection	148304	C1orf74	NM_001039887.2	Full Length 100% match
ccsbBroadEn_05012	ccsbBroad304_05012		BC038962	148327	CREB3L4	no errors	hORFeome V8.1 Collection	148327	CREB3L4	NM_144693.1	Full Length 100% match
ccsbBroadEn_05013	ccsbBroad304_05013		BC113635,BC113637	148362	BROX	no errors	hORFeome V8.1 Collection	148362	BROX	NM_152482.2	Full Length 100% match
ccsbBroadEn_05014	ccsbBroad304_05014		BC027999,BC047238	148523	C1orf51	no errors	hORFeome V8.1 Collection	148523	C1orf51	NM_205848.2	Full Length 100% match
ccsbBroadEn_05015	ccsbBroad304_05015		BC139737	148534	TMEM56	no errors	hORFeome V8.1 Collection	148534	TMEM56	NM_152485.2	Full Length 100% match
ccsbBroadEn_05016	ccsbBroad304_05016		BC029895	148581	UBE2U	no errors	hORFeome V8.1 Collection	148581	UBE2U	NM_130898.2	Full Length 100% match
ccsbBroadEn_05017	ccsbBroad304_05017		BC017926	148738	HFE2	no errors	hORFeome V8.1 Collection	148738	HFE2	NM_144695.2	Full Length 100% match
ccsbBroadEn_05018	ccsbBroad304_05018		BC009382	148753	FAM163A	no errors	hORFeome V8.1 Collection	148753	FAM163A	NM_144697.2	Full Length 100% match
ccsbBroadEn_05019	ccsbBroad304_05019		BC029564	148789	B3GALNT2	no errors	hORFeome V8.1 Collection	148789	B3GALNT2	NM_152487.2;	Full Length 100% match
ccsbBroadEn_05020	ccsbBroad304_05020		BC024174	148823	C1orf150	no errors	hORFeome V8.1 Collection	148823	C1orf150	NM_001199679.1	Full Length 100% match
ccsbBroadEn_05021	ccsbBroad304_05021		BC121169,CCSB53238	148932	MOBK12C	no errors	hORFeome V8.1 Collection	148932	MOBK12C	NM_152489.1	Full Length 100% match
ccsbBroadEn_05022	ccsbBroad304_05022		BC128073	149069	DCDC2B	no errors	hORFeome V8.1 Collection	149069	DCDC2B	NM_202004.3;	Full Length 100% match
ccsbBroadEn_05023	ccsbBroad304_05023		BC022780	149111	CNIH3	no errors	hORFeome V8.1 Collection	149111	CNIH3	NM_213652.3	Full Length 100% match
ccsbBroadEn_05024	ccsbBroad304_05024		BC104444	149345	SHISA4	no errors	hORFeome V8.1 Collection	149345	SHISA4	NM_173509.2	Full Length 100% match
ccsbBroadEn_05025	ccsbBroad304_05025	454	BC030524	149461	CLDN19	no errors	hORFeome V8.1 Collection	149461	CLDN19	NM_178840.2	Full Length 100% match
ccsbBroadEn_05026	ccsbBroad304_05026		BC041633	149466	C1orf210	no errors	hORFeome V8.1 Collection	149466	C1orf210	NM_145278.3	Full Length 100% match
ccsbBroadEn_05027	ccsbBroad304_05027		BC033868	149473	CCDC24	no errors	hORFeome V8.1 Collection	149473	CCDC24	NM_201403.2	Full Length 100% match
ccsbBroadEn_05028	ccsbBroad304_05028		BC017946	149563	C1orf64	no errors	hORFeome V8.1 Collection	149563	C1orf64	NM_152490.2	Full Length 100% match
ccsbBroadEn_05029	ccsbBroad304_05029		BC139741	149628	PYHIN1	no errors	hORFeome V8.1 Collection	149628	PYHIN1	NM_145278.3	Full Length 100% match
ccsbBroadEn_05030	ccsbBroad304_05030		BC035742	149643	C1orf227	no errors	hORFeome V8.1 Collection	149643	C1orf227	NM_198928.3	Full Length 100% match
ccsbBroadEn_05031	ccsbBroad304_05031	454	BC040049	149699	GTSE1L	no errors	hORFeome V8.1 Collection	149699	GTSE1L	NM_001024601.2	Full Length 100% match
ccsbBroadEn_05032	ccsbBroad304_05032		BC039173	149708	WFDC5	no errors	hORFeome V8.1 Collection	149708	WFDC5	NM_176791.3	Full Length 100% match
ccsbBroadEn_05033	ccsbBroad304_05033		BC035800	149840	C20orf196	no errors	hORFeome V8.1 Collection	149840	C20orf196	NM_145652.2	Full Length 100% match
ccsbBroadEn_05034	ccsbBroad304_05034		BC031059	150082	LCA5L	no errors	hORFeome V8.1 Collection	150082	LCA5L	NM_152504.2	Full Length 100% match
ccsbBroadEn_05035	ccsbBroad304_05035		BC032485	150209	AIFM3	no errors	hORFeome V8.1 Collection	150209	AIFM3	NM_152505.3	Full Length 100% match
ccsbBroadEn_05036	ccsbBroad304_05036		BC000004,BC065569	150274	HSCB	no errors	hORFeome V8.1 Collection	150274	HSCB	NM_001018060.2	Full Length 100% match
ccsbBroadEn_05037	ccsbBroad304_05037		BC053874,BC065549	150275	CCDC117	no errors	hORFeome V8.1 Collection	150275	CCDC117	NM_172002.3	Full Length 100% match
ccsbBroadEn_05038	ccsbBroad304_05038		BC030013	150280	HORMAD2	no errors	hORFeome V8.1 Collection	150280	HORMAD2	NM_173510.2	Full Length 100% match
ccsbBroadEn_05039	ccsbBroad304_05039		BC033895	150350	ENTHD1	no errors	hORFeome V8.1 Collection	150350	ENTHD1	NM_152510.2	Full Length 100% match
ccsbBroadEn_05040	ccsbBroad304_05040		BC104175	150368	FAM109B	no errors	hORFeome V8.1 Collection	150368	FAM109B	NM_152512.3	Full Length 100% match
ccsbBroadEn_05041	ccsbBroad304_05041	454	BC031820	150379	PNPLA5	no errors	hORFeome V8.1 Collection	150379	PNPLA5	NM_001002034.2	Full Length 100% match
ccsbBroadEn_05042	ccsbBroad304_05042		BC067871	150383	C22orf40	no errors	hORFeome V8.1 Collection	150383	C22orf40	NM_138814.3	Full Length 100% match
ccsbBroadEn_05043	ccsbBroad304_05043		BC021716	150483	TEKT4	no errors	hORFeome V8.1 Collection	150483	TEKT4	NM_144705.2	Full Length 100% match
ccsbBroadEn_05044	ccsbBroad304_05044	454	BC137191	150921	TCF23	no errors	hORFeome V8.1 Collection	150921	TCF23	NM_144705.2	Full Length 100% match
ccsbBroadEn_05045	ccsbBroad304_05045		BC020502	151011	SEPT10	no errors	hORFeome V8.1 Collection	151011	SEPT10	NM_175769.2	Full Length 100% match



ccsbBroadEn_05046	ccsbBroad304_05046		BC028741	151188	ARL6IP6	no errors	hORFeome V8.1 Collection	151188	ARL6IP6	NM_152522.4	Full Length 100% match
ccsbBroadEn_05047	ccsbBroad304_05047		BC125157	151258	SLC38A11	no errors	hORFeome V8.1 Collection	151258	SLC38A11	NM_001199148.1	Full Length 100% match
ccsbBroadEn_05048	ccsbBroad304_05048		BC109388	151278	CCDC140	no errors	hORFeome V8.1 Collection	151278	CCDC140	NM_153038.1	Full Length 100% match
ccsbBroadEn_05049	ccsbBroad304_05049		BC033625	151306	GPBAR1	no errors	hORFeome V8.1 Collection	151306	GPBAR1	NM_170699.2; NM_001077191.1;	Full Length 100% match
ccsbBroadEn_05050	ccsbBroad304_05050	454	BC064511	151313	FAHD2B	no errors	hORFeome V8.1 Collection	151313	FAHD2B	NM_199336.1	Full Length 100% match
ccsbBroadEn_05051	ccsbBroad304_05051		BC065524	151473	SLC16A14	no errors	hORFeome V8.1 Collection	151473	SLC16A14	NM_152527.4	Full Length 100% match
ccsbBroadEn_05052	ccsbBroad304_05052		BC033529	151531	UPP2	no errors	hORFeome V8.1 Collection	151531	UPP2	NM_173355.3	Full Length 100% match
ccsbBroadEn_05053	ccsbBroad304_05053		BC027990	151613	TTC14	no errors	hORFeome V8.1 Collection	151613	TTC14	NM_133462.3	Full Length 100% match
ccsbBroadEn_05054	ccsbBroad304_05054		BC042191	151636	DTX3L	no errors	hORFeome V8.1 Collection	151636	DTX3L	NM_138287.3	Full Length 100% match
ccsbBroadEn_05055	ccsbBroad304_05055		BC031566	151647	FAM19A4	no errors	hORFeome V8.1 Collection	151647	FAM19A4	NM_001005527.1; NM_182522.3	Full Length 100% match
ccsbBroadEn_05056	ccsbBroad304_05056	454	BC017867	151648	SGOL1	no errors	hORFeome V8.1 Collection	151648	SGOL1	NM_138484.3	Full Length 100% match
ccsbBroadEn_05057	ccsbBroad304_05057		BC035512	151790	WDR49	no errors	hORFeome V8.1 Collection	151790	WDR49	NM_178824.3	Full Length 100% match
ccsbBroadEn_05058	ccsbBroad304_05058		BC018070	151871	DPPA2	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	151871	DPPA2	NM_138815.3	Full Length 100% match
ccsbBroadEn_05059	ccsbBroad304_05059	454	BC036194	151963	C3orf59	no errors	hORFeome V8.1 Collection	151963	C3orf59	NM_178496.3	Full Length 100% match
ccsbBroadEn_05060	ccsbBroad304_05060		BC128136	151987	PPP4R2	no errors	hORFeome V8.1 Collection	151987	PPP4R2	NM_174907.2	Full Length 100% match
ccsbBroadEn_05061	ccsbBroad304_05061		BC033786	152006	RNF38	no errors	hORFeome V8.1 Collection	152006	RNF38	NM_194328.2; NM_194330.2;	Full Length 100% match
ccsbBroadEn_05062	ccsbBroad304_05062		BC126187,BC126189	152078	C3orf55	no errors	hORFeome V8.1 Collection	152078	C3orf55	NM_001099777.2	Full Length 100% match
ccsbBroadEn_05063	ccsbBroad304_05063		BC052644	152100	CMC1	no errors	hORFeome V8.1 Collection	152100	CMC1	NM_182523.1	Full Length 100% match
ccsbBroadEn_05064	ccsbBroad304_05064		BC065004	152137	CCDC50	no errors	hORFeome V8.1 Collection	152137	CCDC50	NM_174908.3	Full Length 100% match
ccsbBroadEn_05065	ccsbBroad304_05065		BC036951	152185	SPICE1	no errors	hORFeome V8.1 Collection	152185	SPICE1	NM_144718.3	Full Length 100% match
ccsbBroadEn_05066	ccsbBroad304_05066		BC022381	152756	C4orf39	no errors	hORFeome V8.1 Collection	152756	C4orf39	NM_153027.1	Full Length 100% match
ccsbBroadEn_05067	ccsbBroad304_05067		BC022989	152815	THAP6	no errors	hORFeome V8.1 Collection	152815	THAP6	NM_144721.4	Full Length 100% match
ccsbBroadEn_05068	ccsbBroad304_05068		BC070112	152877	FAM53A	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	152877	FAM53A	NM_001174070.1; NM_001013622.3	Full Length 100% match
ccsbBroadEn_05069	ccsbBroad304_05069		BC101101	153201	SLC36A2	no errors	hORFeome V8.1 Collection	153201	SLC36A2	NM_181776.2	Full Length 100% match
ccsbBroadEn_05070	ccsbBroad304_05070		BC128164	153218	SPINK13	no errors	hORFeome V8.1 Collection	153218	SPINK13	NM_001040129.2	Full Length 100% match
ccsbBroadEn_05071	ccsbBroad304_05071		BC038230	153364	MBLAC2	no errors	hORFeome V8.1 Collection	153364	MBLAC2	NM_203406.1	Full Length 100% match
ccsbBroadEn_05072	ccsbBroad304_05072		BC031222	153443	SRFBP1	no errors	hORFeome V8.1 Collection	153443	SRFBP1	NM_152546.2	Full Length 100% match
ccsbBroadEn_05073	ccsbBroad304_05073		BC056668	153527	ZMAT2	no errors	hORFeome V8.1 Collection	153527	ZMAT2	NM_144723.1	Full Length 100% match
ccsbBroadEn_05074	ccsbBroad304_05074	454	BC101608	153571	C5orf38	no errors	hORFeome V8.1 Collection	153571	C5orf38	NM_178569.2	Full Length 100% match
ccsbBroadEn_05075	ccsbBroad304_05075		BC130329	153642	ARSK	no errors	hORFeome V8.1 Collection	153642	ARSK	NM_198150.2	Full Length 100% match
ccsbBroadEn_05076	ccsbBroad304_05076		BC012033	153768	PRELID2	no errors	hORFeome V8.1 Collection	153768	PRELID2	NM_138492.4	Full Length 100% match
ccsbBroadEn_05077	ccsbBroad304_05077		BC130586,BC130588	153770	PLAC8L1	no errors	hORFeome V8.1 Collection	153770	PLAC8L1	NM_001029869.1	Full Length 100% match
ccsbBroadEn_05078	ccsbBroad304_05078	454	BC146950	153918	C6orf94	no errors	hORFeome V8.1 Collection	153918	C6orf94	NM_001013623.2	Full Length 100% match
ccsbBroadEn_05079	ccsbBroad304_05079	454	BC026087	154214	RNF217	no errors	hORFeome V8.1 Collection	154214	RNF217	NM_152553.2	Full Length 100% match
ccsbBroadEn_05080	ccsbBroad304_05080		BC132844	154288	C6orf221	no errors	hORFeome V8.1 Collection	154288	C6orf221	NM_001017361.2	Full Length 100% match
ccsbBroadEn_05081	ccsbBroad304_05081	454	BC104835	154467	C6orf129	no errors	hORFeome V8.1 Collection	154467	C6orf129	NM_138493.2	Full Length 100% match
ccsbBroadEn_05082	ccsbBroad304_05082		BC114615	154743	C7orf60	no errors	hORFeome V8.1 Collection	154743	C7orf60	NM_152556.2	Full Length 100% match
ccsbBroadEn_05083	ccsbBroad304_05083		BC027734	154807	VKORC1L1	no errors	hORFeome V8.1 Collection	154807	VKORC1L1	NM_173517.3	Full Length 100% match
ccsbBroadEn_05084	ccsbBroad304_05084		BC128181	154865	IQUB	no errors	hORFeome V8.1 Collection	154865	IQUB	NM_178827.4	Full Length 100% match
ccsbBroadEn_05085	ccsbBroad304_05085	454	BC042482	154881	KCTD7	no errors	hORFeome V8.1 Collection	154881	KCTD7	NM_001167961.2	Full Length 100% match
ccsbBroadEn_05086	ccsbBroad304_05086		BC100880	155051	CRYGN	no errors	hORFeome V8.1 Collection	155051	CRYGN	NM_144727.1	Full Length 100% match
ccsbBroadEn_05087	ccsbBroad304_05087		BC131569	155060	LOC155060	no errors	hORFeome V8.1 Collection	100290062; 100507573	LOC100290062; LOC100507573	XM_003120062.1; XM_003119061.1; XM_003118577.1; XM_002346939.2	Full Length 100% match
ccsbBroadEn_05088	ccsbBroad304_05088	454	BC146753	155185	AMZ1	no errors	hORFeome V8.1 Collection	155185	AMZ1	NM_133463.1	Full Length 100% match
ccsbBroadEn_05089	ccsbBroad304_05089		BC058284	155465	AGR3	no errors	hORFeome V8.1 Collection	155465	AGR3	NM_176813.3	Full Length 100% match
ccsbBroadEn_05090	ccsbBroad304_05090	454	BC060843	157567	ANKRD46	no errors	hORFeome V8.1 Collection	157567	ANKRD46	NM_198401.2	Full Length 100% match
ccsbBroadEn_05091	ccsbBroad304_05091		BC030710	157753	TMEM74	no errors	hORFeome V8.1 Collection	157753	TMEM74	NM_153015.1	Full Length 100% match
ccsbBroadEn_05092	ccsbBroad304_05092		BC034776,BC050576	158067	AK8	no errors	hORFeome V8.1 Collection	158067	AK8	NM_152572.2	Full Length 100% match
ccsbBroadEn_05093	ccsbBroad304_05093	454	BC023566	158158	RASEF	no errors	hORFeome V8.1 Collection	158158	RASEF	NM_152573.2	Full Length 100% match
ccsbBroadEn_05094	ccsbBroad304_05094		BC057774	158234	RG9MTD3	no errors	hORFeome V8.1 Collection	158234	RG9MTD3	NM_144964.2	Full Length 100% match
ccsbBroadEn_05095	ccsbBroad304_05095		BC034320	158521	FMR1NB	no errors	hORFeome V8.1 Collection	158521	FMR1NB	NM_152578.2	Full Length 100% match
ccsbBroadEn_05096	ccsbBroad304_05096		BC036767	158787	RIBC1	no errors	hORFeome V8.1 Collection	158787	RIBC1	NM_001031745.1	Full Length 100% match
ccsbBroadEn_05097	ccsbBroad304_05097	454	BC066357	158798	AKAP14	no errors	hORFeome V8.1 Collection	158798	AKAP14	NM_178813.5	Full Length 100% match
ccsbBroadEn_05098	ccsbBroad304_05098		BC067286	158809	MAGEB6	no errors	hORFeome V8.1 Collection	158809	MAGEB6	NM_173523.2	Full Length 100% match
ccsbBroadEn_05099	ccsbBroad304_05099		BC103982	158866	ZDHHC15	no errors	hORFeome V8.1 Collection	158866	ZDHHC15	NM_144969.2	Full Length 100% match
ccsbBroadEn_05100	ccsbBroad304_05100		BC019221	159090	FAM122B	no errors	hORFeome V8.1 Collection	159090	FAM122B	NM_001166599.2	Full Length 100% match
ccsbBroadEn_05101	ccsbBroad304_05101		BC063491	159091	FAM122C	no errors	hORFeome V8.1 Collection	159091	FAM122C	NM_001170779.1	Full Length 100% match
ccsbBroadEn_05102	Failed LR reaction		BC017868	159091	FAM122C	no errors	hORFeome V8.1 Collection	159091	FAM122C	NM_138819.3	Full Length 100% match
ccsbBroadEn_05103	ccsbBroad304_05103		BC030018	159163	RBMY1F	no errors	hORFeome V8.1 Collection	159163; 378951	RBMY1F; RBMY1J	NM_152585.1; NM_001006117.2	Full Length 100% match
ccsbBroadEn_05104	ccsbBroad304_05104	454	BC104814	159371	TMEM20	no errors	hORFeome V8.1 Collection	159371	TMEM20	NM_001134658.1	Full Length 100% match
ccsbBroadEn_05105	ccsbBroad304_05105		BC029536	160140	C11orf65	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	160140	C11orf65	NM_152587.3	Full Length 100% match
ccsbBroadEn_05106	ccsbBroad304_05106	454	BC093859	160365	CLECL1	no errors	hORFeome V8.1 Collection	160365	CLECL1	NM_172004.2	Full Length 100% match
ccsbBroadEn_05107	ccsbBroad304_05107		BC117175,BC117177	160418	TMTC3	no errors	hORFeome V8.1 Collection	160418	TMTC3	NM_181783.3	Full Length 100% match
ccsbBroadEn_05108	ccsbBroad304_05108		BC111551	160760	PPTC7	no errors	hORFeome V8.1 Collection	160760	PPTC7	NM_139283.1	Full Length 100% match
ccsbBroadEn_05109	ccsbBroad304_05109		BC113559	161291	TMEM30B	no errors	hORFeome V8.1 Collection	161291	TMEM30B	NM_001017970.2	Full Length 100% match
ccsbBroadEn_05110	ccsbBroad304_05110	454	BC062471	161502	C15orf26	no errors	hORFeome V8.1 Collection	161502	C15orf26	NM_173528.2	Full Length 100% match
ccsbBroadEn_05111	ccsbBroad304_05111	454	BC033516	161514	TBC1D21	no errors	hORFeome V8.1 Collection	161514	TBC1D21	NM_153356.1	Full Length 100% match
ccsbBroadEn_05112	ccsbBroad304_05112		BC039862	161753	ODF3L1	no errors	hORFeome V8.1 Collection	161753	ODF3L1	NM_175881.3	Full Length 100% match
ccsbBroadEn_05113	ccsbBroad304_05113		BC130441	161779	PGBD4	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	161779	PGBD4	NM_152595.4	Full Length 100% match
ccsbBroadEn_05114	ccsbBroad304_05114		BC030628	161829	EXD1	no errors	hORFeome V8.1 Collection	161829	EXD1	NM_152596.2	Full Length 100% match
ccsbBroadEn_05115	ccsbBroad304_05115	454	BC101749	162073	ITPRIPL2	no errors	hORFeome V8.1 Collection	162073	ITPRIPL2	NM_001034841.3	Full Length 100% match
ccsbBroadEn_05116	ccsbBroad304_05116		BC125200	162394	SLFN5	no errors	hORFeome V8.1 Collection	162394	SLFN5	NM_144975.3	Full Length 100% match
ccsbBroadEn_05117	ccsbBroad304_05117		BC049370	162427	FAM134C	no errors	hORFeome V8.1 Collection	162427	FAM134C	NM_178126.3	Full Length 100% match
ccsbBroadEn_05118	ccsbBroad304_05118		BC117187	162466	PHOSPHO1	no errors	hORFeome V8.1 Collection	162466	PHOSPHO1	NM_178500.3	Full Length 100% match
ccsbBroadEn_05119	ccsbBroad304_05119		BC036054	162681	C18orf54	no errors	hORFeome V8.1 Collection	162681	C18orf54	NM_173529.4	Full Length 100% match
ccsbBroadEn_05120	ccsbBroad304_05120		BC131555	162967	ZNF320	no errors	hORFeome V8.1 Collection	162967	ZNF320	NM_207333.2	Full Length 100% match
ccsbBroadEn_05121	ccsbBroad304_05121		BC019352	162979	ZNF296	no errors	hORFeome V8.1 Collection	162979	ZNF296	NM_145288.1	Full Length 100% match
ccsbBroadEn_05122	ccsbBroad304_05122		BC027930	162989	DEDD2	no errors	hORFeome V8.1 Collection	162989	DEDD2	NM_133328.2	Full Length 100% match
ccsbBroadEn_05123	ccsbBroad304_05123		BC106937	163049	ZNF791	no errors	hORFeome V8.1 Collection	163049	ZNF791	NM_153358.2	Full Length 100% match
ccsbBroadEn_05124	ccsbBroad304_05124		BC125069	163071	ZNF114	no errors	hORFeome V8.1 Collection	163071	ZNF114	NM_153608.1	Full Length 100% match
ccsbBroadEn_05125	ccsbBroad304_05125	454	BC108687	163115	ZNF781	no errors	hORFeome V8.1 Collection	163115	ZNF781	NM_152605.3	Full Length 100% match
ccsbBroadEn_05126	Failed LR reaction		BC126478,CCSB53222	163255	ZNF540	no errors	hORFeome V8.1 Collection	163255	ZNF540	NM_152606.3; NM_001172225.1	Full Length 100% match



ccsbBroadEn_05127	ccsbBroad304_05127		BC098348	163590	TOR1AIP2	no errors	hORFeome V8.1 Collection	163590	TOR1AIP2	NM_022347.3	Full Length 100% match
ccsbBroadEn_05128	ccsbBroad304_05128		BC112225	163590	TOR1AIP2	no errors	hORFeome V8.1 Collection	163590	TOR1AIP2	NM_145034.4; NM_001199260.1	Full Length 100% match
ccsbBroadEn_05129	ccsbBroad304_05129	454	BC140872	163702	IL28RA	no errors	hORFeome V8.1 Collection	163702	IL28RA	NM_170743.3	Full Length 100% match
ccsbBroadEn_05130	ccsbBroad304_05130		BC058929	164153	UBL4B	no errors	hORFeome V8.1 Collection	164153	UBL4B	NM_203412.1	Full Length 100% match
ccsbBroadEn_05131	ccsbBroad304_05131		BC033499	164592	CCDC116	no errors	hORFeome V8.1 Collection	164592	CCDC116	NM_152612.2	Full Length 100% match
ccsbBroadEn_05132	ccsbBroad304_05132		BC051805	164633	CABP7	no errors	hORFeome V8.1 Collection	164633	CABP7	NM_182527.2	Full Length 100% match
ccsbBroadEn_05133	ccsbBroad304_05133	454	BC063549	165140	OXER1	no errors	hORFeome V8.1 Collection	165140	OXER1	NM_148962.4	Full Length 100% match
ccsbBroadEn_05134	ccsbBroad304_05134	454	BC092484	165324	UBXN2A	no errors	hORFeome V8.1 Collection	165324	UBXN2A	NM_181713.3	Full Length 100% match
ccsbBroadEn_05135	ccsbBroad304_05135	454	BC101701	165631	PARP15	no errors	hORFeome V8.1 Collection	165631	PARP15	NM_152615.1	Full Length 100% match
ccsbBroadEn_05136	ccsbBroad304_05136		BC029521	165721	DNAJB8	no errors	hORFeome V8.1 Collection	165721	DNAJB8	NM_153330.2	Full Length 100% match
ccsbBroadEn_05137	ccsbBroad304_05137		BC100983	166655	TRIM60	no errors	hORFeome V8.1 Collection	166655	TRIM60	NM_152620.2	Full Length 100% match
ccsbBroadEn_05138	ccsbBroad304_05138		BC101179	166785	MMAA	no errors	hORFeome V8.1 Collection	166785	MMAA	NM_172250.2	Full Length 100% match
ccsbBroadEn_05139	ccsbBroad304_05139		BC028588	166863	RBM46	no errors	hORFeome V8.1 Collection	166863	RBM46	NM_144979.3	Full Length 100% match
ccsbBroadEn_05140	ccsbBroad304_05140		BC028705,BC041369	166929	SGMS2	no errors	hORFeome V8.1 Collection	166929	SGMS2	NM_152621.5; NM_001136257.1;	Full Length 100% match
ccsbBroadEn_05141	ccsbBroad304_05141		BC103925	167127	UGT3A2	no errors	hORFeome V8.1 Collection	167127	UGT3A2	NM_174914.3	Full Length 100% match
ccsbBroadEn_05142	ccsbBroad304_05142		BC051352	167826	OLIG3	no errors	hORFeome V8.1 Collection	167826	OLIG3	NM_175747.2	Full Length 100% match
ccsbBroadEn_05143	ccsbBroad304_05143		BC022038	168433	RNF133	no errors	hORFeome V8.1 Collection	168433	RNF133	NM_139175.1	Full Length 100% match
ccsbBroadEn_05144	ccsbBroad304_05144	454	BC052625	168544	ZNF467	no errors	hORFeome V8.1 Collection	168544	ZNF467	NM_207336.1	Full Length 100% match
ccsbBroadEn_05145	ccsbBroad304_05145	454	BC113394,BC113396	168620	BHLHA15	no errors	hORFeome V8.1 Collection	168620	BHLHA15	NM_177455.3	Full Length 100% match
ccsbBroadEn_05146	ccsbBroad304_05146		BC110624	168850	ZNF800	no errors	hORFeome V8.1 Collection	168850	ZNF800	NM_176814.3	Full Length 100% match
ccsbBroadEn_05147	ccsbBroad304_05147		BC117326,BC117328	168975	CNBD1	no errors	hORFeome V8.1 Collection	168975	CNBD1	NM_173538.2	Full Length 100% match
ccsbBroadEn_05148	ccsbBroad304_05148		BC126446	169026	SLC30A8	no errors	hORFeome V8.1 Collection	169026	SLC30A8	NM_001172811.1; NM_001172813.1; NM_001172814.1;	Full Length 100% match
ccsbBroadEn_05149	ccsbBroad304_05149		BC029780	169693	C9orf71	no errors	hORFeome V8.1 Collection	169693	C9orf71	NM_153237.1	Full Length 100% match
ccsbBroadEn_05150	ccsbBroad304_05150		BC035026	170062	FAM47B	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	170062	FAM47B	NM_152631.2	Full Length 100% match
ccsbBroadEn_05151	ccsbBroad304_05151		BC030794	170393	C10orf91	no errors	hORFeome V8.1 Collection	170393	C10orf91	NM_173541.2	Full Length 100% match
ccsbBroadEn_05152	ccsbBroad304_05152		BC000274	170463	SSBP4	no errors	hORFeome V8.1 Collection	170463	SSBP4	NM_032627.3	Full Length 100% match
ccsbBroadEn_05153	ccsbBroad304_05153	454	BC114338	170482	CLEC4C	no errors	hORFeome V8.1 Collection	170482	CLEC4C	NM_130441.2	Full Length 100% match
ccsbBroadEn_05154	ccsbBroad304_05154		BC131799	170572	HTR3C	no errors	hORFeome V8.1 Collection	170572	HTR3C	NM_130770.2	Full Length 100% match
ccsbBroadEn_05155	ccsbBroad304_05155		BC040736	170575	GIMAP1	no errors	hORFeome V8.1 Collection	170575	GIMAP1	NM_130759.3	Full Length 100% match
ccsbBroadEn_05156	ccsbBroad304_05156	454	BC093962	170589	GPHA2	no errors	hORFeome V8.1 Collection	170589	GPHA2	NM_130769.3	Full Length 100% match
ccsbBroadEn_05157	ccsbBroad304_05157		BC117391	170622	COMMD6	no errors	hORFeome V8.1 Collection	170622	COMMD6	NM_203495.2	Full Length 100% match
ccsbBroadEn_05158	ccsbBroad304_05158		BC062680	170626	XAGE3	no errors	hORFeome V8.1 Collection	170626	XAGE3	NM_130776.1; NM_133179.2	Full Length 100% match
ccsbBroadEn_05159	ccsbBroad304_05159		BC109114	170689	ADAMTS15	no errors	hORFeome V8.1 Collection	170689	ADAMTS15	NM_139055.2	Full Length 100% match
ccsbBroadEn_05160	ccsbBroad304_05160		BC071558	170850	KCNG3	no errors	hORFeome V8.1 Collection	170850	KCNG3	NM_133329.5	Full Length 100% match
ccsbBroadEn_05161	ccsbBroad304_05161		BC066644	170954	KIAA1949	no errors	hORFeome V8.1 Collection	170954	KIAA1949	NM_001134870.1;	Full Length 100% match
ccsbBroadEn_05162	ccsbBroad304_05162	454	BC047334	171169	SPACA4	no errors	hORFeome V8.1 Collection	171169	SPACA4	NM_133498.2	Full Length 100% match
ccsbBroadEn_05163	ccsbBroad304_05163		BC113449	171482	FAM9A	no errors	hORFeome V8.1 Collection	171482	FAM9A	NM_174951.3; NM_001171186.1	Full Length 100% match
ccsbBroadEn_05164	ccsbBroad304_05164		BC120955	171483	FAM9B	no errors	hORFeome V8.1 Collection	171483	FAM9B	NM_205849.2	Full Length 100% match
ccsbBroadEn_05165	ccsbBroad304_05165		BC127957	171484	FAM9C	no errors	hORFeome V8.1 Collection	171484	FAM9C	NM_174901.5	Full Length 100% match
ccsbBroadEn_05166	ccsbBroad304_05166		BC100771	171558	PTCRA	no errors	hORFeome V8.1 Collection	171558	PTCRA	NM_138296.2	Full Length 100% match
ccsbBroadEn_05167	ccsbBroad304_05167		BC024700	192683	SCAMP5	no errors	hORFeome V8.1 Collection	192683	SCAMP5	NM_001178111.1; NM_001178112.1;	Full Length 100% match
ccsbBroadEn_05168	ccsbBroad304_05168	454	BC037219,BC064525	195814	SDR16C5	no errors	hORFeome V8.1 Collection	195814	SDR16C5	NM_138967.3	Full Length 100% match
ccsbBroadEn_05169	ccsbBroad304_05169		BC132787	196051	PPAPDC1A	no errors	hORFeome V8.1 Collection	196051	PPAPDC1A	NM_001030059.1	Full Length 100% match
ccsbBroadEn_05170	ccsbBroad304_05170	454	BC023595	196294	IMMP1L	no errors	hORFeome V8.1 Collection	196294	IMMP1L	NM_144981.1	Full Length 100% match
ccsbBroadEn_05171	ccsbBroad304_05171		BC031221	196472	FAM71C	no errors	hORFeome V8.1 Collection	196472	FAM71C	NM_153364.1	Full Length 100% match
ccsbBroadEn_05172	ccsbBroad304_05172		BC024183,BC034491	196477	C12orf12	no errors	hORFeome V8.1 Collection	196477	C12orf12	NM_152638.2	Full Length 100% match
ccsbBroadEn_05173	ccsbBroad304_05173		BC035736	196500	C12orf53	no errors	hORFeome V8.1 Collection	196500	C12orf53	NM_153685.2	Full Length 100% match
ccsbBroadEn_05174	Failed LR reaction		BC132748,BC132750	196541	C13orf39	no errors	hORFeome V8.1 Collection	196541	C13orf39	NM_001010977.1	Full Length 100% match
ccsbBroadEn_05175	ccsbBroad304_05175		BC047902	197257	LDHD	no errors	hORFeome V8.1 Collection	197257	LDHD	NM_153486.3	Full Length 100% match
ccsbBroadEn_05176	ccsbBroad304_05176		BC028141	197259	MLKL	no errors	hORFeome V8.1 Collection	197259	MLKL	NM_001142497.1	Full Length 100% match
ccsbBroadEn_05177	ccsbBroad304_05177	454	BC104796	199675	C19orf59	no errors	hORFeome V8.1 Collection	199675	C19orf59	NM_174918.2	Full Length 100% match
ccsbBroadEn_05178	ccsbBroad304_05178		BC113476	199699	DAND5	no errors	hORFeome V8.1 Collection	199699	DAND5	NM_152654.2	Full Length 100% match
ccsbBroadEn_05179	ccsbBroad304_05179		BC072416	199745	THAP8	no errors	hORFeome V8.1 Collection	199745	THAP8	NM_152658.2	Full Length 100% match
ccsbBroadEn_05180	ccsbBroad304_05180		BC007116	199777	ZNF626	no errors	hORFeome V8.1 Collection	199777	ZNF626	NM_145297.3	Full Length 100% match
ccsbBroadEn_05181	ccsbBroad304_05181		BC113446,BC113448	199834	LCE4A	no errors	hORFeome V8.1 Collection	199834	LCE4A	NM_178356.2	Full Length 100% match
ccsbBroadEn_05182	ccsbBroad304_05182		BC025768	199870	FAM76A	no errors	hORFeome V8.1 Collection	199870	FAM76A	NM_152660.2	Full Length 100% match
ccsbBroadEn_05183	ccsbBroad304_05183		BC103823	200081	TXLNA	no errors	hORFeome V8.1 Collection	200081	TXLNA	NM_175852.3	Full Length 100% match
ccsbBroadEn_05184	ccsbBroad304_05184		BC029806	200185	KRTCAP2	no errors	hORFeome V8.1 Collection	200185	KRTCAP2	NM_173852.3	Full Length 100% match
ccsbBroadEn_05185	ccsbBroad304_05185	454	BC107704	200232	C20orf106	no errors	hORFeome V8.1 Collection	200232	C20orf106	NM_001012971.3	Full Length 100% match
ccsbBroadEn_05186	ccsbBroad304_05186		BC126416	200315	APOBEC3A	no errors	hORFeome V8.1 Collection	200315	APOBEC3A	NM_145699.3; NM_001193289.1	Full Length 100% match
ccsbBroadEn_05187	ccsbBroad304_05187		BC029522	200523	C2orf51	no errors	hORFeome V8.1 Collection	200523	C2orf51	NM_152670.2	Full Length 100% match
ccsbBroadEn_05188	ccsbBroad304_05188		BC107056	200539	ANKRD23	no errors	hORFeome V8.1 Collection	200539	ANKRD23	NM_144994.7	Full Length 100% match
ccsbBroadEn_05189	ccsbBroad304_05189		BC041144	200558	APLF	no errors	hORFeome V8.1 Collection	200558	APLF	NM_173545.2	Full Length 100% match
ccsbBroadEn_05190	ccsbBroad304_05190		BC032389	200576	PIKFYVE	no errors	hORFeome V8.1 Collection	200576	PIKFYVE	NM_152671.3	Full Length 100% match
ccsbBroadEn_05191	ccsbBroad304_05191	454	BC101689	200634	KRTCAP3	no errors	hORFeome V8.1 Collection	200634	KRTCAP3	NM_001168364.1; NM_173853.3	Full Length 100% match
ccsbBroadEn_05192	ccsbBroad304_05192		BC130292	200734	SPRED2	no errors	hORFeome V8.1 Collection	200734	SPRED2	NM_181784.2	Full Length 100% match
ccsbBroadEn_05193	ccsbBroad304_05193		BC022893	200845	KCTD6	no errors	hORFeome V8.1 Collection	200845	KCTD6	NM_001128214.1; NM_153331.3	Full Length 100% match
ccsbBroadEn_05194	ccsbBroad304_05194		BC064941	200879	LIPH	no errors	hORFeome V8.1 Collection	200879	LIPH	NM_139248.2	Full Length 100% match
ccsbBroadEn_05195	ccsbBroad304_05195		BC104035	200894	ARL13B	no errors	hORFeome V8.1 Collection	200894	ARL13B	NM_182896.2; NM_001174150.1	Full Length 100% match
ccsbBroadEn_05196	ccsbBroad304_05196		BC015687	201163	FLCN	no errors	hORFeome V8.1 Collection	201163	FLCN	NM_144606.5	Full Length 100% match
ccsbBroadEn_05197	ccsbBroad304_05197		BC014109	201255	LRRC45	no errors	hORFeome V8.1 Collection	201255	LRRC45	NM_144999.2	Full Length 100% match
ccsbBroadEn_05198	ccsbBroad304_05198		BC060839	201562	PTPLB	no errors	hORFeome V8.1 Collection	201562	PTPLB	NM_198402.3	Full Length 100% match
ccsbBroadEn_05199	ccsbBroad304_05199		BC101289	201633	TIGIT	no errors	hORFeome V8.1 Collection	201633	TIGIT	NM_173799.3	Full Length 100% match
ccsbBroadEn_05200	ccsbBroad304_05200		BC008502	201895	C4orf34	no errors	hORFeome V8.1 Collection	201895	C4orf34	NM_174921.1	Full Length 100% match
ccsbBroadEn_05201	ccsbBroad304_05201		BC036301	201931	TMEM192	no errors	hORFeome V8.1 Collection	201931	TMEM192	NM_001100389.1	Full Length 100% match
ccsbBroadEn_05202	ccsbBroad304_05202		BC067752	201965	RWDD4	no errors	hORFeome V8.1 Collection	201965	RWDD4	NM_152682.2	Full Length 100% match
ccsbBroadEn_05203	ccsbBroad304_05203	454	BC064600	201973	CCDC111	no errors	hORFeome V8.1 Collection	201973	CCDC111	NM_152683.2	Full Length 100% match
ccsbBroadEn_05204	ccsbBroad304_05204		BC021251	202865	C7orf33	no errors	hORFeome V8.1 Collection	202865	C7orf33	NM_145304.2	Full Length 100% match



ccsbBroadEn_05205	ccsbBroad304_05205		BC113556	203062	TSNARE1	no errors	hORFeome V8.1 Collection	203062	TSNARE1	NM_145003.3	Full Length 100% match
ccsbBroadEn_05206	ccsbBroad304_05206		BC001938,BC021909	203068	TUBB	no errors	hORFeome V8.1 Collection	203068	TUBB	NM_178014.2	Full Length 100% match
ccsbBroadEn_05207	ccsbBroad304_05207		BC132852,BC132854	203076	C8orf74	no errors	hORFeome V8.1 Collection	203076	C8orf74	NM_001040032.1	Full Length 100% match
ccsbBroadEn_05208	ccsbBroad304_05208		BC026169,BC034975	203102	ADAM32	no errors	hORFeome V8.1 Collection	203102	ADAM32	NM_145004.5	Full Length 100% match
ccsbBroadEn_05209	ccsbBroad304_05209	454	BC062359	203111	C8orf47	no errors	hORFeome V8.1 Collection	203111	C8orf47	NM_173549.2	Full Length 100% match
ccsbBroadEn_05210	ccsbBroad304_05210		BC068445	203228	C9orf72	no errors	hORFeome V8.1 Collection	203228	C9orf72	NM_018325.2	Full Length 100% match
ccsbBroadEn_05211	ccsbBroad304_05211	454	BC041009	203259	C9orf25	no errors	hORFeome V8.1 Collection	203259	C9orf25	NM_001184945.1	Full Length 100% match
ccsbBroadEn_05212	Failed LR reaction		BC014601	203328	SUSD3	no errors	hORFeome V8.1 Collection	203328	SUSD3	NM_145006.2	Full Length 100% match
ccsbBroadEn_05213	ccsbBroad304_05213		BC060768	203523	ZNF449	no errors	hORFeome V8.1 Collection	203523	ZNF449	NM_152695.5	Full Length 100% match
ccsbBroadEn_05214	ccsbBroad304_05214		BC105694	203547	VMA21	no errors	hORFeome V8.1 Collection	203547	VMA21	NM_001017980.3	Full Length 100% match
ccsbBroadEn_05215	ccsbBroad304_05215		BC054022	203569	PAGE2	no errors	hORFeome V8.1 Collection	203569	PAGE2	NM_207339.2	Full Length 100% match
ccsbBroadEn_05216	ccsbBroad304_05216		BC042607	204474	PDILT	no errors	hORFeome V8.1 Collection	204474	PDILT	NM_174924.1	Full Length 100% match
ccsbBroadEn_05217	ccsbBroad304_05217		BC037293	205428	C3orf58	no errors	hORFeome V8.1 Collection	205428	C3orf58	NM_173552.3	Full Length 100% match
ccsbBroadEn_05218	ccsbBroad304_05218		BC117332,BC117334	219348	PLAC9	no errors	hORFeome V8.1 Collection	219348	PLAC9	NM_001012973.1	Full Length 100% match
ccsbBroadEn_05219	ccsbBroad304_05219	454	BC137216	219432	OR4C6	no errors	hORFeome V8.1 Collection	219432	OR4C6	NM_001004704.1	Full Length 100% match
ccsbBroadEn_05220	ccsbBroad304_05220		BC109249	219437	OR5L1	no errors	hORFeome V8.1 Collection	219437	OR5L1	NM_001004738.1	Full Length 100% match
ccsbBroadEn_05221	ccsbBroad304_05221	454	BC136910	219469	OR8H1	no errors	hORFeome V8.1 Collection	219469	OR8H1	NM_001005199.1	Full Length 100% match
ccsbBroadEn_05222	ccsbBroad304_05222	454	BC136978	219484	OR5M8	no errors	hORFeome V8.1 Collection	219484	OR5M8	NM_001005282.1	Full Length 100% match
ccsbBroadEn_05223	ccsbBroad304_05223	454	BC136951	219487	OR5M11	no errors	hORFeome V8.1 Collection	219487	OR5M11	NM_001005245.1	Full Length 100% match
ccsbBroadEn_05224	ccsbBroad304_05224	454	BC112119	219539	YPEL4	no errors	hORFeome V8.1 Collection	219539	YPEL4	NM_145008.2	Full Length 100% match
ccsbBroadEn_05225	ccsbBroad304_05225		BC037223	219541	MED19	no errors	hORFeome V8.1 Collection	219541	MED19	NM_153450.1	Full Length 100% match
ccsbBroadEn_05226	ccsbBroad304_05226		BC028365	219557	C7orf62	no errors	hORFeome V8.1 Collection	219557	C7orf62	NM_152706.2	Full Length 100% match
ccsbBroadEn_05227	ccsbBroad304_05227	454	BC140826	219578	ZNF804B	no errors	hORFeome V8.1 Collection	219578	ZNF804B	NM_181646.2	Full Length 100% match
ccsbBroadEn_05228	ccsbBroad304_05228	454	BC104801	219771	CCNY	no errors	hORFeome V8.1 Collection	219771	CCNY	NM_181698.2	Full Length 100% match
ccsbBroadEn_05229	ccsbBroad304_05229	454	BC137543	219793	C10orf27	no errors	hORFeome V8.1 Collection	219793	C10orf27	NM_152710.2	Full Length 100% match
ccsbBroadEn_05230	ccsbBroad304_05230		BC025756	219833	C11orf45	no errors	hORFeome V8.1 Collection	219833	C11orf45	NM_145013.1	Full Length 100% match
ccsbBroadEn_05231	ccsbBroad304_05231		BC132716,BC132718	219854	TMEM218	no errors	hORFeome V8.1 Collection	219854	TMEM218	NM_001080546.1	Full Length 100% match
ccsbBroadEn_05232	ccsbBroad304_05232	454	BC136820	219865	OR8G5	no errors	hORFeome V8.1 Collection	219865	OR8G5	NM_001005198.1	Full Length 100% match
ccsbBroadEn_05233	ccsbBroad304_05233	454	BC137038	219873	OR10S1	no errors	hORFeome V8.1 Collection	219873	OR10S1	NM_001004474.1	Full Length 100% match
ccsbBroadEn_05234	ccsbBroad304_05234		BC120988	219899	TBCEL	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	219899	TBCEL	NM_152715.3; NM_001130047.1	Full Length 100% match
ccsbBroadEn_05235	ccsbBroad304_05235	454	BC015232	219902	TMEM136	no errors	hORFeome V8.1 Collection	219902	TMEM136	NM_174926.2	Full Length 100% match
ccsbBroadEn_05236	ccsbBroad304_05236		BC058039	219938	SPATA19	no errors	hORFeome V8.1 Collection	219938	SPATA19	NM_174927.1	Full Length 100% match
ccsbBroadEn_05237	ccsbBroad304_05237		BC021682	219970	GLYATL2	no errors	hORFeome V8.1 Collection	219970	GLYATL2	NM_145016.3	Full Length 100% match
ccsbBroadEn_05238	ccsbBroad304_05238		BC031610	219995	MS4A15	no errors	hORFeome V8.1 Collection	219995	MS4A15	NM_152717.2	Full Length 100% match
ccsbBroadEn_05239	ccsbBroad304_05239	454	BC142624	220001	VWCE	no errors	hORFeome V8.1 Collection	220001	VWCE	NM_152718.2	Full Length 100% match
ccsbBroadEn_05240	ccsbBroad304_05240	454	BC019024,BC065542	220064	ORAOV1	no errors	hORFeome V8.1 Collection	220064	ORAOV1	NM_153451.2	Full Length 100% match
ccsbBroadEn_05241	ccsbBroad304_05241	454	BC012855	220074	LRTOMT	no errors	hORFeome V8.1 Collection	220074	LRTOMT	NM_145309.3	Full Length 100% match
ccsbBroadEn_05242	ccsbBroad304_05242		BC015706	220134	SKA1	no errors	hORFeome V8.1 Collection	220134	SKA1	NM_145060.3; NM_001039535.2	Full Length 100% match
ccsbBroadEn_05243	ccsbBroad304_05243	454	BC074862	220359	TIGD3	no errors	hORFeome V8.1 Collection	220359	TIGD3	NM_145719.2	Full Length 100% match
ccsbBroadEn_05244	ccsbBroad304_05244		BC044814	220388	CCDC89	no errors	hORFeome V8.1 Collection	220388	CCDC89	NM_152723.1	Full Length 100% match
ccsbBroadEn_05245	ccsbBroad304_05245	454	BC104757	220929	ZNF438	no errors	hORFeome V8.1 Collection	220929	ZNF438	NM_001143766.1; NM_001143767.1; NM_001143768.1; NM_182755.2	Full Length 100% match
ccsbBroadEn_05246	ccsbBroad304_05246		BC064431	220965	FAM13C	no errors	hORFeome V8.1 Collection	220965	FAM13C	NM_001001971.2	Full Length 100% match
ccsbBroadEn_05247	ccsbBroad304_05247		BC022020,BC042672	221016	CCDC7	no errors	hORFeome V8.1 Collection	221016	CCDC7	NM_145023.4; NM_001026383.1	Full Length 100% match
ccsbBroadEn_05248	ccsbBroad304_05248		BC068557	221035	REEP3	no errors	hORFeome V8.1 Collection	221035	REEP3	NM_001001330.2	Full Length 100% match
ccsbBroadEn_05249	ccsbBroad304_05249		BC029034	221060	C10orf111	no errors	hORFeome V8.1 Collection	221060	C10orf111	NM_153244.1	Full Length 100% match
ccsbBroadEn_05250	ccsbBroad304_05250		BC053902	221091	LRRN4CL	no errors	hORFeome V8.1 Collection	221091; 100510252	LRRN4CL; LOC100510252	NM_203422.2; XM_003120704.1	Full Length 100% match
ccsbBroadEn_05251	ccsbBroad304_05251		BC018091	221143	N6AMT2	no errors	hORFeome V8.1 Collection	221143	N6AMT2	NM_174928.1	Full Length 100% match
ccsbBroadEn_05252	ccsbBroad304_05252		BC053658	221184	CPNE2	no errors	hORFeome V8.1 Collection	221184	CPNE2	NM_152727.5	Full Length 100% match
ccsbBroadEn_05253	ccsbBroad304_05253		BC032401	221188	GPR114	no errors	hORFeome V8.1 Collection	221188	GPR114	NM_153837.1	Full Length 100% match
ccsbBroadEn_05254	ccsbBroad304_05254		BC016879	221302	ZUFSP	no errors	hORFeome V8.1 Collection	221302	ZUFSP	NM_145062.2	Full Length 100% match
ccsbBroadEn_05255	ccsbBroad304_05255		BC126194,BC126198	221391	OPN5	no errors	hORFeome V8.1 Collection	221391	OPN5	NM_181744.3	Full Length 100% match
ccsbBroadEn_05256	ccsbBroad304_05256		BC029519	221421	RSPH9	no errors	hORFeome V8.1 Collection	221421	RSPH9	NM_152732.4	Full Length 100% match
ccsbBroadEn_05257	ccsbBroad304_05257	454	BC108661	221424	C6orf154	no errors	hORFeome V8.1 Collection	221424	C6orf154	NM_001012974.1	Full Length 100% match
ccsbBroadEn_05258	ccsbBroad304_05258		BC011709	221443	C6orf130	no errors	hORFeome V8.1 Collection	221443	C6orf130	NM_145063.2	Full Length 100% match
ccsbBroadEn_05259	ccsbBroad304_05259		BC105947	221477	C6orf89	no errors	hORFeome V8.1 Collection	221477	C6orf89	NM_152734.3	Full Length 100% match
ccsbBroadEn_05260	ccsbBroad304_05260	454	BC033033	221481	C6orf81	no errors	hORFeome V8.1 Collection	221481	C6orf81	NM_145028.3	Full Length 100% match
ccsbBroadEn_05261	ccsbBroad304_05261	454	BC043609	221527	ZBTB12	no errors	hORFeome V8.1 Collection	221527	ZBTB12	NM_181842.2	Full Length 100% match
ccsbBroadEn_05262	ccsbBroad304_05262		BC062211	221613	HIST1H2AA	no errors	hORFeome V8.1 Collection	221613	HIST1H2AA	NM_170745.3	Full Length 100% match
ccsbBroadEn_05263	ccsbBroad304_05263	454	BC104810	221662	RBM24	no errors	hORFeome V8.1 Collection	221662	RBM24	NM_153020.2	Full Length 100% match
ccsbBroadEn_05264	ccsbBroad304_05264	454	BC101526	221692	PHACTR1	no errors	hORFeome V8.1 Collection	221692	PHACTR1	NM_030948.1	Full Length 100% match
ccsbBroadEn_05265	ccsbBroad304_05265		BC040214	221786	FAM200A	no errors	hORFeome V8.1 Collection	221786	FAM200A	NM_145111.3	Full Length 100% match
ccsbBroadEn_05266	ccsbBroad304_05266		BC130298,BC130300	221830	TWISTNB	no errors	hORFeome V8.1 Collection	221830	TWISTNB	NM_001002926.1	Full Length 100% match
ccsbBroadEn_05267	ccsbBroad304_05267		BC010130	221960	C7orf28B	no errors	hORFeome V8.1 Collection	221960	C7orf28B	NM_198097.3	Full Length 100% match
ccsbBroadEn_05268	ccsbBroad304_05268		BC052641	222068	TMED4	no errors	hORFeome V8.1 Collection	222068	TMED4	NM_182547.2	Full Length 100% match
ccsbBroadEn_05269	ccsbBroad304_05269		BC029131	222171	PRR15	no errors	hORFeome V8.1 Collection	222171	PRR15	NM_175887.2	Full Length 100% match
ccsbBroadEn_05270	ccsbBroad304_05270		BC030616	222255	ATXN7L1	no errors	hORFeome V8.1 Collection	222255	ATXN7L1	NM_152749.3	Full Length 100% match
ccsbBroadEn_05271	ccsbBroad304_05271		BC036755	222484	LNX2	no errors	hORFeome V8.1 Collection	222484	LNX2	NM_153371.3	Full Length 100% match
ccsbBroadEn_05272	ccsbBroad304_05272		BC114925	222553	SLC35F1	no errors	hORFeome V8.1 Collection	222553	SLC35F1	NM_001029858.3	Full Length 100% match
ccsbBroadEn_05273	ccsbBroad304_05273	454	BC137565	222642	TSPO2	no errors	hORFeome V8.1 Collection	222642	TSPO2	NM_001010873.2; NM_001159726.1	Full Length 100% match
ccsbBroadEn_05274	ccsbBroad304_05274		BC039349	222826	C6orf146	no errors	hORFeome V8.1 Collection	222826	C6orf146	NM_173563.1	Full Length 100% match
ccsbBroadEn_05275	ccsbBroad304_05275		BC069322	245802	MS4A6E	no errors	hORFeome V8.1 Collection	245802	MS4A6E	NM_139249.2	Full Length 100% match
ccsbBroadEn_05276	ccsbBroad304_05276		BC128437	245908	DEFB105A	no errors	hORFeome V8.1 Collection	245908; 504180	DEFB105A; DEFB105B	NM_152250.1; NM_001040703.1	Full Length 100% match
ccsbBroadEn_05277	ccsbBroad304_05277		BC100846	245909	DEFB106A	no errors	hORFeome V8.1 Collection	245909; 503841	DEFB106A; DEFB106B	NM_001040704.1	Full Length 100% match
ccsbBroadEn_05278	ccsbBroad304_05278		BC062212	245932	DEFB119	no errors	hORFeome V8.1 Collection	245932	DEFB119	NM_153289.2	Full Length 100% match
ccsbBroadEn_05279	ccsbBroad304_05279		BC130607,BC130609	245934	DEFB121	no errors	hORFeome V8.1 Collection	245934	DEFB121	NM_001011878.2	Full Length 100% match
ccsbBroadEn_05280	ccsbBroad304_05280		BC126365,BC126391	245936	DEFB123	no errors	hORFeome V8.1 Collection	245936	DEFB123	NM_153324.2	Full Length 100% match
ccsbBroadEn_05281	ccsbBroad304_05281	454	BC065207	245972	ATP6V0D2	no errors	hORFeome V8.1 Collection	245972	ATP6V0D2	NM_152565.1	Full Length 100% match
ccsbBroadEn_05282	ccsbBroad304_05282		BC066300	246184	CDC26	no errors	hORFeome V8.1 Collection	246184	CDC26	NM_139286.3	Full Length 100% match
ccsbBroadEn_05283	ccsbBroad304_05283		BC117229	246213	SLC17A8	no errors	hORFeome V8.1 Collection	246213	SLC17A8	NM_001145288.1	Full Length 100% match
ccsbBroadEn_05284	ccsbBroad304_05284		BC018445	246269	LACE1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	246269	LACE1	NM_145315.3	Full Length 100% match
ccsbBroadEn_05285	ccsbBroad304_05285		BC130319,BC130321	246744	STH	no errors	hORFeome V8.1 Collection	246744	STH	NM_001007532.2	Full Length 100% match
ccsbBroadEn_05286	ccsbBroad304_05286		BC017998	246777	SPESP1	no errors	hORFeome V8.1 Collection	246777	SPESP1	NM_145658.3	Full Length 100% match
ccsbBroadEn_05287	ccsbBroad304_05287		BC130288	252884	ZNF396	no errors	hORFeome V8.1 Collection	252884	ZNF396	NM_145756.2	Full Length 100% match



ccsbBroadEn_05288	ccsbBroad304_05288		BC062297	252995	FNDC5	no errors	hORFeome V8.1 Collection	252995	FNDC5	NM_001171941.1	Full Length 100% match
ccsbBroadEn_05289	ccsbBroad304_05289		BC119650,CCSB53348	253190	SERHL2	no errors	hORFeome V8.1 Collection	253190	SERHL2	NM_014509.3	Full Length 100% match
ccsbBroadEn_05290	ccsbBroad304_05290		BC132739	253512	SLC25A30	no errors	hORFeome V8.1 Collection	253512	SLC25A30	NM_001010875.2	Full Length 100% match
ccsbBroadEn_05291	ccsbBroad304_05291		BC126130,BC130479	253738	EBF3	no errors	hORFeome V8.1 Collection	253738	EBF3	NM_001005463.1	Full Length 100% match
ccsbBroadEn_05292	ccsbBroad304_05292		BC040053	253827	MSRB3	no errors	hORFeome V8.1 Collection	253827	MSRB3	NM_001031679.2; NM_001193460.1; NM_001193461.1	Full Length 100% match
ccsbBroadEn_05293	ccsbBroad304_05293		BC052970	253943	YTHDF3	no errors	hORFeome V8.1 Collection	253943	YTHDF3	NM_152758.4	Full Length 100% match
ccsbBroadEn_05294	ccsbBroad304_05294		BC036228	253980	KCTD13	no errors	hORFeome V8.1 Collection	253980	KCTD13	NM_178863.2	Full Length 100% match
ccsbBroadEn_05295	ccsbBroad304_05295		BC126319,BC126321	253982	ASPHD1	no errors	hORFeome V8.1 Collection	253982	ASPHD1	NM_181718.3	Full Length 100% match
ccsbBroadEn_05296	ccsbBroad304_05296		BC039535	254013	C12orf72	no errors	hORFeome V8.1 Collection	254013	C12orf72	NM_173802.3; NM_001135863.1; NM_001135864.1	Full Length 100% match
ccsbBroadEn_05297	ccsbBroad304_05297		BC113644	254042	METAP1D	no errors	hORFeome V8.1 Collection	254042	METAP1D	NM_199227.1	Full Length 100% match
ccsbBroadEn_05298	ccsbBroad304_05298		BC032556	254228	FAM26E	no errors	hORFeome V8.1 Collection	254228	FAM26E	NM_153711.2	Full Length 100% match
ccsbBroadEn_05299	ccsbBroad304_05299		BC047953	254263	CNIH2	no errors	hORFeome V8.1 Collection	254263	CNIH2	NM_182553.1	Full Length 100% match
ccsbBroadEn_05300	ccsbBroad304_05300	454	BC136303	254428	SLC41A1	no errors	hORFeome V8.1 Collection	254428	SLC41A1	NM_173854.4	Full Length 100% match
ccsbBroadEn_05301	ccsbBroad304_05301	454	BC092463	254531	LPCAT4	no errors	hORFeome V8.1 Collection	254531	LPCAT4	NM_153613.2	Full Length 100% match
ccsbBroadEn_05302	ccsbBroad304_05302		BC100884	254773	LYG2	no errors	hORFeome V8.1 Collection	254773	LYG2	NM_175735.3	Full Length 100% match
ccsbBroadEn_05303	ccsbBroad304_05303		BC030270	254863	C17orf61	no errors	hORFeome V8.1 Collection	254863	C17orf61	NM_152766.2	Full Length 100% match
ccsbBroadEn_05304	ccsbBroad304_05304		BC133690	254956	MORN5	no errors	hORFeome V8.1 Collection	254956	MORN5	NM_198469.2	Full Length 100% match
ccsbBroadEn_05305	ccsbBroad304_05305		BC130549,BC130551	255220	TXNDC8	no errors	hORFeome V8.1 Collection	255220	TXNDC8	NM_001003936.2	Full Length 100% match
ccsbBroadEn_05306	ccsbBroad304_05306		BC058935	255252	LRRCS57	no errors	hORFeome V8.1 Collection	255252	LRRCS57	NM_153260.2	Full Length 100% match
ccsbBroadEn_05307	ccsbBroad304_05307		BC130647,BC130649	255349	TMEM211	no errors	hORFeome V8.1 Collection	255349	TMEM211	NM_001001663.1	Full Length 100% match
ccsbBroadEn_05308	ccsbBroad304_05308		BC033617	255394	TCP11L2	no errors	hORFeome V8.1 Collection	255394	TCP11L2	NM_152772.1	Full Length 100% match
ccsbBroadEn_05309	ccsbBroad304_05309	454	BC136732	255725	OR52B2	no errors	hORFeome V8.1 Collection	255725	OR52B2	NM_001004052.1	Full Length 100% match
ccsbBroadEn_05310	ccsbBroad304_05310		BC118636	255798	C3orf43	no errors	hORFeome V8.1 Collection	255798	C3orf43	NM_001077657.1	Full Length 100% match
ccsbBroadEn_05311	ccsbBroad304_05311	454	BC157863	255809	C19orf38	no errors	hORFeome V8.1 Collection	255809	C19orf38	NM_001136482.1	Full Length 100% match
ccsbBroadEn_05312	ccsbBroad304_05312		BC060863	256051	ZNF549	no errors	hORFeome V8.1 Collection	256051	ZNF549	NM_001199295.1	Full Length 100% match
ccsbBroadEn_05313	ccsbBroad304_05313		BC041584	256281	NUDT14	no errors	hORFeome V8.1 Collection	256281	NUDT14	NM_177533.3	Full Length 100% match
ccsbBroadEn_05314	ccsbBroad304_05314		BC028419	256309	CCDC110	no errors	hORFeome V8.1 Collection	256309	CCDC110	NM_152775.3	Full Length 100% match
ccsbBroadEn_05315	ccsbBroad304_05315		BC029503	256471	MFSDB8	no errors	hORFeome V8.1 Collection	256471	MFSDB8	NM_152778.2	Full Length 100% match
ccsbBroadEn_05316	ccsbBroad304_05316		BC022075	256586	LYSMD2	no errors	hORFeome V8.1 Collection	256586	LYSMD2	NM_001143917.1	Full Length 100% match
ccsbBroadEn_05317	ccsbBroad304_05317		BC014603	256710	GLIPR1L1	no errors	hORFeome V8.1 Collection	256710	GLIPR1L1	NM_152779.2	Full Length 100% match
ccsbBroadEn_05318	ccsbBroad304_05318	454	BC126128,BC126485	256933	NPB	no errors	hORFeome V8.1 Collection	256933	NPB	NM_148896.3	Full Length 100% match
ccsbBroadEn_05319	ccsbBroad304_05319		BC121155	257068	PLCXD2	no errors	hORFeome V8.1 Collection	257068	PLCXD2	NM_001185106.1	Full Length 100% match
ccsbBroadEn_05320	ccsbBroad304_05320		BC026884,BC033037	257169	C9orf43	no errors	hORFeome V8.1 Collection	257169	C9orf43	NM_152786.1	Full Length 100% match
ccsbBroadEn_05321	ccsbBroad304_05321		BC052582	259197	NCR3	no errors	hORFeome V8.1 Collection	259197	NCR3	NM_147130.2	Full Length 100% match
ccsbBroadEn_05322	ccsbBroad304_05322		BC018752	259197	NCR3	no errors	hORFeome V8.1 Collection	259197	NCR3	NM_001145466.1	Full Length 100% match
ccsbBroadEn_05323	ccsbBroad304_05323	454	BC137212	259215	LY6G6F	no errors	hORFeome V8.1 Collection	259215	LY6G6F	NM_001003693.1	Full Length 100% match
ccsbBroadEn_05324	ccsbBroad304_05324		BC062670	259239	WFDC11	no errors	hORFeome V8.1 Collection	259239	WFDC11	NM_147197.2	Full Length 100% match
ccsbBroadEn_05325	ccsbBroad304_05325	454	BC101797	259286	TAS2R40	no errors	hORFeome V8.1 Collection	259286	TAS2R40	NM_176882.1	Full Length 100% match
ccsbBroadEn_05326	ccsbBroad304_05326		BC101157	259287	TAS2R41	no errors	hORFeome V8.1 Collection	259287	TAS2R41	NM_176883.2	Full Length 100% match
ccsbBroadEn_05327	ccsbBroad304_05327		BC117421	259290	TAS2R31	no errors	hORFeome V8.1 Collection	259290	TAS2R31	NM_176885.2	Full Length 100% match
ccsbBroadEn_05328	ccsbBroad304_05328		BC100916	259295	TAS2R20	no errors	hORFeome V8.1 Collection	259295	TAS2R20	NM_176889.2	Full Length 100% match
ccsbBroadEn_05329	ccsbBroad304_05329	454	BC112100	259296	TAS2R50	no errors	hORFeome V8.1 Collection	259296	TAS2R50	NM_176890.2	Full Length 100% match
ccsbBroadEn_05330	ccsbBroad304_05330		BC028102	260293	CYP4X1	no errors	hORFeome V8.1 Collection	260293	CYP4X1	NM_178033.1	Full Length 100% match
ccsbBroadEn_05331	ccsbBroad304_05331	454	BC036846,BC062334	260429	PRSS33	no errors	hORFeome V8.1 Collection	260429	PRSS33	NM_152891.2	Full Length 100% match
ccsbBroadEn_05332	ccsbBroad304_05332		BC062213	260436	C4orf7	no errors	hORFeome V8.1 Collection	260436	C4orf7	NM_152997.2	Full Length 100% match
ccsbBroadEn_05333	ccsbBroad304_05333		BC121091	267012	DAOA	no errors	hORFeome V8.1 Collection	267012	DAOA	NM_172370.3	Full Length 100% match
ccsbBroadEn_05334	ccsbBroad304_05334	454	BC093719	267020	ATP5L2	no errors	hORFeome V8.1 Collection	267020	ATP5L2	NM_001165877.1	Full Length 100% match
ccsbBroadEn_05335	ccsbBroad304_05335		BC021122	280636	C11orf31	early stop codon	hORFeome V8.1 Mutant Subcollection	280636	C11orf31	NM_170746.2	Full Length 100% match
ccsbBroadEn_05336	ccsbBroad304_05336		BC113581,BC113583	282616	IL28A	no errors	hORFeome V8.1 Collection	282616	IL28A	NM_172138.1	Full Length 100% match
ccsbBroadEn_05337	ccsbBroad304_05337		BC130314,BC130316	282617	IL28B	no errors	hORFeome V8.1 Collection	282617	IL28B	NM_172139.2	Full Length 100% match
ccsbBroadEn_05338	ccsbBroad304_05338		BC117482	282618	IL29	no errors	hORFeome V8.1 Collection	282618	IL29	NM_172140.1	Full Length 100% match
ccsbBroadEn_05339	ccsbBroad304_05339		BC040443	282679	AQP11	no errors	hORFeome V8.1 Collection	282679	AQP11	NM_173039.2	Full Length 100% match
ccsbBroadEn_05340	ccsbBroad304_05340	454	BC136707	282763	OR51B5	no errors	hORFeome V8.1 Collection	282763	OR51B5	NM_001005567.1	Full Length 100% match
ccsbBroadEn_05341	ccsbBroad304_05341	454	BC136890	282770	OR10AG1	no errors	hORFeome V8.1 Collection	282770	OR10AG1	NM_001005491.1	Full Length 100% match
ccsbBroadEn_05342	ccsbBroad304_05342		BC101171	282808	RAB40AL	no errors	hORFeome V8.1 Collection	282808	RAB40AL	NM_001031834.1	Full Length 100% match
ccsbBroadEn_05343	ccsbBroad304_05343		BC026080	282809	POC1B	no errors	hORFeome V8.1 Collection	282809	POC1B	NM_172240.2	Full Length 100% match
ccsbBroadEn_05344	ccsbBroad304_05344	454	BC136745	282890	ZNF311	no errors	hORFeome V8.1 Collection	282890	ZNF311	NM_001010877.2	Full Length 100% match
ccsbBroadEn_05345	ccsbBroad304_05345		BC129819	282969	C10orf125	no errors	hORFeome V8.1 Collection	282969	C10orf125	NM_198472.2	Full Length 100% match
ccsbBroadEn_05346	ccsbBroad304_05346		BC106952	283129	C11orf85	no errors	hORFeome V8.1 Collection	283129	C11orf85	NM_001037225.1	Full Length 100% match
ccsbBroadEn_05347	ccsbBroad304_05347		BC104448	283135	C11orf72	no errors	hORFeome V8.1 Collection	100505621	LOC100505621	XM_003119187.1; XM_003120707.1	Full Length 100% match
ccsbBroadEn_05348	ccsbBroad304_05348		BC028191,BC038969	283150	FOXR1	no errors	hORFeome V8.1 Collection	283150	FOXR1	NM_181721.2	Full Length 100% match
ccsbBroadEn_05349	ccsbBroad304_05349	454	BC136954	283159	OR8D1	no errors	hORFeome V8.1 Collection	283159	OR8D1	NM_001002917.1	Full Length 100% match
ccsbBroadEn_05350	ccsbBroad304_05350	454	BC137043	283160	OR8D2	no errors	hORFeome V8.1 Collection	283160	OR8D2	NM_001002918.1	Full Length 100% match
ccsbBroadEn_05351	ccsbBroad304_05351		BC117333	283208	P4HA3	no errors	hORFeome V8.1 Collection	283208	P4HA3	NM_182904.3	Full Length 100% match
ccsbBroadEn_05352	ccsbBroad304_05352	454	BC036058	283219	KCTD21	no errors	hORFeome V8.1 Collection	283219	KCTD21	NM_001029859.1	Full Length 100% match
ccsbBroadEn_05353	ccsbBroad304_05353	454	BC036925	283254	HARBI1	no errors	hORFeome V8.1 Collection	283254	HARBI1	NM_173811.3	Full Length 100% match
ccsbBroadEn_05354	ccsbBroad304_05354		BC020844	283377	SPRYD4	no errors	hORFeome V8.1 Collection	283377	SPRYD4	NM_207344.3	Full Length 100% match
ccsbBroadEn_05355	ccsbBroad304_05355	454	BC136288	283416	C12orf61	no errors	hORFeome V8.1 Collection	283416	C12orf61	NM_175895.3	Full Length 100% match
ccsbBroadEn_05356	ccsbBroad304_05356		BC043366	283431	GAS2L3	no errors	hORFeome V8.1 Collection	283431	GAS2L3	NM_174942.1	Full Length 100% match
ccsbBroadEn_05357	ccsbBroad304_05357		BC107145	283459	GATC	no errors	hORFeome V8.1 Collection	283459	GATC	NM_176818.2	Full Length 100% match
ccsbBroadEn_05358	ccsbBroad304_05358		BC048112	283471	TMPRSS12	no errors	hORFeome V8.1 Collection	283471	TMPRSS12	NM_182559.2	Full Length 100% match
ccsbBroadEn_05359	ccsbBroad304_05359		BC032343	283518	KCNRG	no errors	hORFeome V8.1 Collection	283518	KCNRG	NM_173605.1	Full Length 100% match
ccsbBroadEn_05360	ccsbBroad304_05360		BC117676	283576	ZDHHC22	no errors	hORFeome V8.1 Collection	283576	ZDHHC22	NM_174976.2	Full Length 100% match
ccsbBroadEn_05361	ccsbBroad304_05361	454	BC101510	283578	TMED8	no errors	hORFeome V8.1 Collection	283578	TMED8	NM_213601.1	Full Length 100% match
ccsbBroadEn_05362	ccsbBroad304_05362	454	BC137253	283600	SLC25A47	no errors	hORFeome V8.1 Collection	283600	SLC25A47	NM_207117.2	Full Length 100% match
ccsbBroadEn_05363	ccsbBroad304_05363		BC029559	283635	FAM177A1	no errors	hORFeome V8.1 Collection	283635	FAM177A1	NM_001079519.1	Full Length 100% match
ccsbBroadEn_05364	ccsbBroad304_05364		BC113628,BC113630	283652	SLC24A5	no errors	hORFeome V8.1 Collection	283652	SLC24A5	NM_205850.2	Full Length 100% match
ccsbBroadEn_05365	ccsbBroad304_05365		BC104466	283897	C16orf54	no errors	hORFeome V8.1 Collection	283897	C16orf54	NM_175900.3	Full Length 100% match
ccsbBroadEn_05366	ccsbBroad304_05366		BC047712	283899	INO80E	no errors	hORFeome V8.1 Collection	283899	INO80E	NM_173618.1	Full Length 100% match
ccsbBroadEn_05367	ccsbBroad304_05367		BC036762	283933	ZNF843	no errors	hORFeome V8.1 Collection	283933	ZNF843	NM_001136509.1	Full Length 100% match
ccsbBroadEn_05368	ccsbBroad304_05368		BC113527,BC113529	283948	NHLRC4	no errors	hORFeome V8.1 Collection	283948	NHLRC4	NM_176677.1	Full Length 100% match
ccsbBroadEn_05369	ccsbBroad304_05369		BC104195	284013	VMO1	no errors	hORFeome V8.1 Collection	284013	VMO1	NM_182566.2	Full Length 100% match
ccsbBroadEn_05370	ccsbBroad304_05370	454	BC130406	284021	C17orf60	no errors	hORFeome V8.1 Collection	284021	C17orf60	NM_001085423.1	Full Length 100% match
ccsbBroadEn_05371	ccsbBroad304_05371	454	BC146971	284067	C17orf105	no errors	hORFeome V8.1 Collection	284067	C17orf105	NM	



ccsbBroadEn_05376	ccsbBroad304_05376		BC034432	284161	GDPD1	no errors	hORFeome V8.1 Collection	284161	GDPD1	NM_001165994.1	Full Length 100% match
ccsbBroadEn_05377	ccsbBroad304_05377		BC127837	284184	C17orf89	no errors	hORFeome V8.1 Collection	284184	C17orf89	NM_001086521.1	Full Length 100% match
ccsbBroadEn_05378	ccsbBroad304_05378		BC108933	284185	C17orf55	no errors	hORFeome V8.1 Collection	284185	C17orf55	NM_178519.2	Full Length 100% match
ccsbBroadEn_05379	ccsbBroad304_05379		BC107486	284274	C18orf62	no errors	hORFeome V8.1 Collection	284274	C18orf62	NM_001037331.2	Full Length 100% match
ccsbBroadEn_05380	ccsbBroad304_05380		BC126357,CCSB53377	284369	C19orf75	no errors	hORFeome V8.1 Collection	284369	C19orf75	NM_173635.1	Full Length 100% match
ccsbBroadEn_05381	ccsbBroad304_05381		BC112268,BC117479	284467	FAM19A3	no errors	hORFeome V8.1 Collection	284467	FAM19A3	NM_001004440.1	Full Length 100% match
ccsbBroadEn_05382	ccsbBroad304_05382		BC112239	284486	THEM5	no errors	hORFeome V8.1 Collection	284486	THEM5	NM_182578.3	Full Length 100% match
ccsbBroadEn_05383	ccsbBroad304_05383		BC028158	284521	OR2L13	no errors	hORFeome V8.1 Collection	284521	OR2L13	NM_175911.2	Full Length 100% match
ccsbBroadEn_05384	ccsbBroad304_05384	454	BC111999	284613	CYB561D1	no errors	hORFeome V8.1 Collection	284613	CYB561D1	NM_182580.2	Full Length 100% match
ccsbBroadEn_05385	ccsbBroad304_05385		BC114966	284654	RSPO1	no errors	hORFeome V8.1 Collection	284654	RSPO1	NM_001038633.2	Full Length 100% match
ccsbBroadEn_05386	ccsbBroad304_05386		BC101349	284756	C20orf197	no errors	hORFeome V8.1 Collection	284756	C20orf197	NM_173644.1	Full Length 100% match
ccsbBroadEn_05387	ccsbBroad304_05387		BC131691	284827	KRTAP13-4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	284827	KRTAP13-4	NM_181600.1	Full Length 100% match
ccsbBroadEn_05388	ccsbBroad304_05388	454	BC101732	285033	LOC285033	no errors	hORFeome V8.1 Collection	285033	LOC285033	NM_001037228.1	Full Length 100% match
ccsbBroadEn_05389	ccsbBroad304_05389	454	BC111025	285148	IAH1	no errors	hORFeome V8.1 Collection	285148	IAH1	NM_001039613.1	Full Length 100% match
ccsbBroadEn_05390	ccsbBroad304_05390	454	BC036198	285193	DUSP28	no errors	hORFeome V8.1 Collection	285193	DUSP28	NM_001033575.1	Full Length 100% match
ccsbBroadEn_05391	ccsbBroad304_05391		BC035779	285195	SLC9A9	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	285195	SLC9A9	NM_173653.3	Full Length 100% match
ccsbBroadEn_05392	ccsbBroad304_05392		BC060887	285203	C3orf64	no errors	hORFeome V8.1 Collection	285203	C3orf64	NM_173654.1	Full Length 100% match
ccsbBroadEn_05393	ccsbBroad304_05393		BC101304	285231	FBXW12	no errors	hORFeome V8.1 Collection	285231	FBXW12	NM_001159927.1	Full Length 100% match
ccsbBroadEn_05394	ccsbBroad304_05394		BC113415	285268	ZNF621	no errors	hORFeome V8.1 Collection	285268	ZNF621	NM_001098414.1;	Full Length 100% match
ccsbBroadEn_05395	ccsbBroad304_05395		BC101060	285343	C3orf23	no errors	hORFeome V8.1 Collection	285343	C3orf23	NM_173826.3	Full Length 100% match
ccsbBroadEn_05396	ccsbBroad304_05396		BC010181	285381	DPH3	no errors	hORFeome V8.1 Collection	285381	DPH3	NM_206831.2	Full Length 100% match
ccsbBroadEn_05397	ccsbBroad304_05397	454	BC101552	285386	TPRG1	no errors	hORFeome V8.1 Collection	285386	TPRG1	NM_198485.3	Full Length 100% match
ccsbBroadEn_05398	ccsbBroad304_05398		BC101260	285498	RNF212	no errors	hORFeome V8.1 Collection	285498	RNF212	NM_001131034.3	Full Length 100% match
ccsbBroadEn_05399	ccsbBroad304_05399	454	BC101684	285521	COX18	no errors	hORFeome V8.1 Collection	285521	COX18	NM_173827.2	Full Length 100% match
ccsbBroadEn_05400	ccsbBroad304_05400		BC034385	285533	RNF175	no errors	hORFeome V8.1 Collection	285533	RNF175	NM_173662.2	Full Length 100% match
ccsbBroadEn_05401	ccsbBroad304_05401		BC036870	285555	C4orf37	no errors	hORFeome V8.1 Collection	285555	C4orf37	NM_174952.2	Full Length 100% match
ccsbBroadEn_05402	ccsbBroad304_05402		BC035515	285600	C5orf36	no errors	hORFeome V8.1 Collection	285600	C5orf36	NM_173665.2	Full Length 100% match
ccsbBroadEn_05403	ccsbBroad304_05403		BC114955	285605	DTWD2	no errors	hORFeome V8.1 Collection	285605	DTWD2	NM_173666.2	Full Length 100% match
ccsbBroadEn_05404	ccsbBroad304_05404		BC101092	285641	SLC36A3	no errors	hORFeome V8.1 Collection	285641	SLC36A3	NM_001145017.1	Full Length 100% match
ccsbBroadEn_05405	ccsbBroad304_05405		BC101277	285671	RNF180	no errors	hORFeome V8.1 Collection	285671	RNF180	NM_178532.3	Full Length 100% match
ccsbBroadEn_05406	ccsbBroad304_05406		BC127085	285672	SREK1IP1	no errors	hORFeome V8.1 Collection	285672	SREK1IP1	NM_173829.3	Full Length 100% match
ccsbBroadEn_05407	ccsbBroad304_05407		BC033448	285753	CEP57L1	no errors	hORFeome V8.1 Collection	285753	CEP57L1	NM_173830.4;	Full Length 100% match
ccsbBroadEn_05408	ccsbBroad304_05408	454	BC101780	285852	TREML4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	285852	TREML4	NM_001083353.1	Full Length 100% match
ccsbBroadEn_05409	ccsbBroad304_05409		BC073890	285855	RPL7L1	no errors	hORFeome V8.1 Collection	285855	RPL7L1	NM_198486.2	Full Length 100% match
ccsbBroadEn_05410	ccsbBroad304_05410		BC107598	285888	CNPY1	no errors	hORFeome V8.1 Collection	285888	CNPY1	NM_001103176.1	Full Length 100% match
ccsbBroadEn_05411	ccsbBroad304_05411		BC126149,BC130568	286006	C7orf53	no errors	hORFeome V8.1 Collection	286006	C7orf53	NM_182597.2;	Full Length 100% match
ccsbBroadEn_05412	ccsbBroad304_05412	454	BC137349	286234	C9orf79	no errors	hORFeome V8.1 Collection	286234	C9orf79	NM_001134468.1	Full Length 100% match
ccsbBroadEn_05413	ccsbBroad304_05413		BC002613	286257	C9orf142	no errors	hORFeome V8.1 Collection	286257	C9orf142	NM_178828.4	Full Length 100% match
ccsbBroadEn_05414	ccsbBroad304_05414		BC012469	286451	YIPF6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	286451	YIPF6	NM_183241.1	Full Length 100% match
ccsbBroadEn_05415	ccsbBroad304_05415	454	BC101700	286464	CXorf59	no errors	hORFeome V8.1 Collection	286464	CXorf59	NM_173834.3	Full Length 100% match
ccsbBroadEn_05416	ccsbBroad304_05416		BC113385,BC113387	286499	FAM133A	no errors	hORFeome V8.1 Collection	286499	FAM133A	NM_173695.2	Full Length 100% match
ccsbBroadEn_05417	ccsbBroad304_05417		BC043610	286530	P2RY8	no errors	hORFeome V8.1 Collection	286530	P2RY8	NM_001171109.1;	Full Length 100% match
ccsbBroadEn_05418	ccsbBroad304_05418	454	BC045625	286826	LIN9	no errors	hORFeome V8.1 Collection	286826	LIN9	NM_001171110.1;	Full Length 100% match
ccsbBroadEn_05419	ccsbBroad304_05419		BC109260	286827	TRIM59	no errors	hORFeome V8.1 Collection	286827	TRIM59	NM_001171111.1;	Full Length 100% match
ccsbBroadEn_05420	ccsbBroad304_05420	454	BC068443	317649	EIF4E3	no errors	hORFeome V8.1 Collection	317649	EIF4E3	NM_182597.2;	Full Length 100% match
ccsbBroadEn_05421	ccsbBroad304_05421		BC024023,BC035110	317671	RFESD	no errors	hORFeome V8.1 Collection	317671	RFESD	NM_001134649.1;	Full Length 100% match
ccsbBroadEn_05422	ccsbBroad304_05422		BC126341,BC126367	317705	VN1R5	no errors	hORFeome V8.1 Collection	317705	VN1R5	NM_173359.4	Full Length 100% match
ccsbBroadEn_05423	ccsbBroad304_05423		BC016615	326624	RAB37	no errors	hORFeome V8.1 Collection	326624	RAB37	NM_173362.3	Full Length 100% match
ccsbBroadEn_05424	ccsbBroad304_05424	454	BC111498	327657	SERPINA9	no errors	hORFeome V8.1 Collection	327657	SERPINA9	NM_173858.1	Full Length 100% match
ccsbBroadEn_05425	ccsbBroad304_05425		BC107058	333929	SNAI3	no errors	hORFeome V8.1 Collection	333929	SNAI3	NM_001006638.2	Full Length 100% match
ccsbBroadEn_05426	ccsbBroad304_05426	454	BC137325	337876	CHSY3	no errors	hORFeome V8.1 Collection	337876	CHSY3	NM_175739.3	Full Length 100% match
ccsbBroadEn_05427	ccsbBroad304_05427		BC130397	337879	KRTAP8-1	no errors	hORFeome V8.1 Collection	337879	KRTAP8-1	NM_178310.3	Full Length 100% match
ccsbBroadEn_05428	Failed LR reaction		BC130555,BC130557	337880	KRTAP11-1	no errors	hORFeome V8.1 Collection	337880	KRTAP11-1	NM_175856.4	Full Length 100% match
ccsbBroadEn_05429	ccsbBroad304_05429		BC126284,BC126286	337882	KRTAP19-1	no errors	hORFeome V8.1 Collection	337882	KRTAP19-1	NM_175857.3	Full Length 100% match
ccsbBroadEn_05430	ccsbBroad304_05430		BC103965	337960	KRTAP13-3	no errors	hORFeome V8.1 Collection	337960	KRTAP13-3	NM_175858.2	Full Length 100% match
ccsbBroadEn_05431	ccsbBroad304_05431		BC128435	337963	KRTAP23-1	no errors	hORFeome V8.1 Collection	337963	KRTAP23-1	NM_181622.1	Full Length 100% match
ccsbBroadEn_05432	ccsbBroad304_05432		BC100836	337972	KRTAP19-5	no errors	hORFeome V8.1 Collection	337972	KRTAP19-5	NM_181624.1	Full Length 100% match
ccsbBroadEn_05433	ccsbBroad304_05433		BC103838	337974	KRTAP19-7	no errors	hORFeome V8.1 Collection	337974	KRTAP19-7	NM_181611.1	Full Length 100% match
ccsbBroadEn_05434	ccsbBroad304_05434	454	BC104957	338322	NLRP10	no errors	hORFeome V8.1 Collection	338322	NLRP10	NM_181614.1	Full Length 100% match
ccsbBroadEn_05435	ccsbBroad304_05435		BC032313	338339	CLEC4D	no errors	hORFeome V8.1 Collection	338339	CLEC4D	NM_176821.3	Full Length 100% match
ccsbBroadEn_05436	ccsbBroad304_05436		BC100873	338376	IFNE	no errors	hORFeome V8.1 Collection	338376	IFNE	NM_080387.4	Full Length 100% match
ccsbBroadEn_05437	ccsbBroad304_05437		BC017092	338382	RAB7B	no errors	hORFeome V8.1 Collection	338382	RAB7B	NM_176891.4	Full Length 100% match
ccsbBroadEn_05438	ccsbBroad304_05438		BC100940	338398	TAS2R60	no errors	hORFeome V8.1 Collection	338398	TAS2R60	NM_177403.4;	Full Length 100% match
ccsbBroadEn_05439	ccsbBroad304_05439		BC101175	338557	GPR120	no errors	hORFeome V8.1 Collection	338557	GPR120	NM_001164522.1	Full Length 100% match
ccsbBroadEn_05440	ccsbBroad304_05440	454	BC137321	338599	DUPD1	no errors	hORFeome V8.1 Collection	338599	DUPD1	NM_177437.1	Full Length 100% match
ccsbBroadEn_05441	ccsbBroad304_05441		BC126469,BC126471	338657	CCDC84	no errors	hORFeome V8.1 Collection	338657	CCDC84	NM_001195755.1	Full Length 100% match
ccsbBroadEn_05442	ccsbBroad304_05442	454	BC137180	338662	OR8D4	no errors	hORFeome V8.1 Collection	338662	OR8D4	NM_001003892.1	Full Length 100% match
ccsbBroadEn_05443	ccsbBroad304_05443	454	BC136989	338675	OR5AP2	no errors	hORFeome V8.1 Collection	338675	OR5AP2	NM_198489.1	Full Length 100% match
ccsbBroadEn_05444	ccsbBroad304_05444	454	BC110812	338761	C1QL4	no errors	hORFeome V8.1 Collection	338761	C1QL4	NM_001005197.1	Full Length 100% match
ccsbBroadEn_05445	ccsbBroad304_05445		BC107813	338809	C12orf74	no errors	hORFeome V8.1 Collection	338809	C12orf74	NM_001002925.1	Full Length 100% match
ccsbBroadEn_05446	ccsbBroad304_05446	454	BC133028	338879	RNASE10	no errors	hORFeome V8.1 Collection	338879	RNASE10	NM_001008223.1	Full Length 100% match
ccsbBroadEn_05447	ccsbBroad304_05447	454	BC062319	339122	RAB43	no errors	hORFeome V8.1 Collection	339122	RAB43	NM_001037671.3	Full Length 100% match
ccsbBroadEn_05448	ccsbBroad304_05448		BC068597	339184	CCDC144NL	no errors	hORFeome V8.1 Collection	339184	CCDC144NL	NM_001012975.1	Full Length 100% match
ccsbBroadEn_05449	ccsbBroad304_05449		BC100965	339201	C17orf65	no errors	hORFeome V8.1 Collection	339201	C17orf65	NM_001204883.1;	Full Length 100% match
ccsbBroadEn_05450	ccsbBroad304_05450	454	BC090923	339229	C17orf90	no errors	hORFeome V8.1 Collection	339229	C17orf90	NM_001204884.1;	Full Length 100% match
ccsbBroadEn_05451	ccsbBroad304_05451		BC009369	339230	CCDC137	no errors	hORFeome V8.1 Collection	339230	CCDC137	NM_001204885.1;	Full Length 100% match
ccsbBroadEn_05452	ccsbBroad304_05452		BC105076,BC105078	339231	ARL16	no errors	hORFeome V8.1 Collection	339231	ARL16	NM_001204886.1;	Full Length 100% match
ccsbBroadEn_05453	ccsbBroad304_05453	454	BC136630	339263	C17orf51	no errors	hORFeome V8.1 Collection	339263	C17orf51	NM_198490.2	Full Length 100% match
ccsbBroadEn_05454	ccsbBroad304_05454		BC122543	339287	MSL1	no errors	hORFeome V8.1 Collection	339287	MSL1	NM_001004306.1	Full Length 100% match
ccsbBroadEn_05455	ccsbBroad304_05455		BC106887	339302	CPLX4	no errors	hORFeome V8.1 Collection	339302	CPLX4	NM_178542.3	Full Length 100% match



ccsbBroadEn_05456	ccsbBroad304_05456	454	BC104759	339318	ZNF181	no errors	hORFeome V8.1 Collection	339318	ZNF181	NM_001029997.3	Full Length 100% match
ccsbBroadEn_05457	ccsbBroad304_05457	454	BC044311	339344	MYPOP	no errors	hORFeome V8.1 Collection	339344	MYPOP	NM_001012643.2	Full Length 100% match
ccsbBroadEn_05458	ccsbBroad304_05458		BC117484,BC117486	339345	NANOS2	no errors	hORFeome V8.1 Collection	339345	NANOS2	NM_001029861.2	Full Length 100% match
ccsbBroadEn_05459	ccsbBroad304_05459	454	BC093691	339390	CLEC4G	no errors	hORFeome V8.1 Collection	339390	CLEC4G	NM_198492.3	Full Length 100% match
ccsbBroadEn_05460	Failed LR reaction		BC126353,BC126355	339416	ANKRD45	no errors	hORFeome V8.1 Collection	339416	ANKRD45	NM_198493.2	Full Length 100% match
ccsbBroadEn_05461	ccsbBroad304_05461	454	BC105052	339479	FAM5C	no errors	hORFeome V8.1 Collection	339479	FAM5C	NM_199051.1	Full Length 100% match
ccsbBroadEn_05462	ccsbBroad304_05462	454	BC042635	339669	C22orf33	no errors	hORFeome V8.1 Collection	339669	C22orf33	NM_178552.3	Full Length 100% match
ccsbBroadEn_05463	ccsbBroad304_05463		BC071613	339745	SPOPL	no errors	hORFeome V8.1 Collection	339745	SPOPL	NM_001001664.2	Full Length 100% match
ccsbBroadEn_05464	ccsbBroad304_05464		BC132691	339883	C3orf35	no errors	hORFeome V8.1 Collection	339883	C3orf35	NM_178342.2	Full Length 100% match
ccsbBroadEn_05465	ccsbBroad304_05465		BC047779	340061	TMEM173	no errors	hORFeome V8.1 Collection	340061	TMEM173	NM_198282.2	Full Length 100% match
ccsbBroadEn_05466	ccsbBroad304_05466		CCSB53234	340120	ANKRD34B	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	340120	ANKRD34B	NM_001004441.2	Full Length 100% match
ccsbBroadEn_05467	ccsbBroad304_05467	454	BC087842	340146	SLC35D3	no errors	hORFeome V8.1 Collection	340146	SLC35D3	NM_001008783.1	Full Length 100% match
ccsbBroadEn_05468	ccsbBroad304_05468	454	BC137549	340168	DPPA5	no errors	hORFeome V8.1 Collection	340168	DPPA5	NM_001025290.2	Full Length 100% match
ccsbBroadEn_05469	ccsbBroad304_05469	454	BC137392	340204	C6orf127	no errors	hORFeome V8.1 Collection	340204	C6orf127	NM_001010886.3	Full Length 100% match
ccsbBroadEn_05470	ccsbBroad304_05470		BC100945	340205	TREML1	no errors	hORFeome V8.1 Collection	340205	TREML1	NM_178174.2	Full Length 100% match
ccsbBroadEn_05471	ccsbBroad304_05471		BC104894	340273	ABC85	no errors	hORFeome V8.1 Collection	340273	ABC85	NM_178559.5	Full Length 100% match
ccsbBroadEn_05472	ccsbBroad304_05472		BC044244	340348	TSPAN33	no errors	hORFeome V8.1 Collection	340348	TSPAN33	NM_178562.3	Full Length 100% match
ccsbBroadEn_05473	ccsbBroad304_05473		BC106955	340542	BEX5	no errors	hORFeome V8.1 Collection	340542	BEX5	NM_001012978.2;	Full Length 100% match
ccsbBroadEn_05474	ccsbBroad304_05474	454	BC132924	340543	TCEAL5	no errors	hORFeome V8.1 Collection	340543	TCEAL5	NM_001012979.2	Full Length 100% match
ccsbBroadEn_05475	ccsbBroad304_05475	454	BC043216	340547	VSIG1	no errors	hORFeome V8.1 Collection	340547	VSIG1	NM_182607.4	Full Length 100% match
ccsbBroadEn_05476	ccsbBroad304_05476	454	BC136673	340578	DCAF12L2	no errors	hORFeome V8.1 Collection	340578	DCAF12L2	NM_001013628.2	Full Length 100% match
ccsbBroadEn_05477	ccsbBroad304_05477	454	BC100785	340596	LHFPL1	no errors	hORFeome V8.1 Collection	340596	LHFPL1	NM_178175.3	Full Length 100% match
ccsbBroadEn_05478	ccsbBroad304_05478		BC039669	341032	C11orf53	no errors	hORFeome V8.1 Collection	341032	C11orf53	NM_198498.1	Full Length 100% match
ccsbBroadEn_05479	ccsbBroad304_05479	454	BC137259	341116	MS4A10	no errors	hORFeome V8.1 Collection	341116	MS4A10	NM_206893.3	Full Length 100% match
ccsbBroadEn_05480	ccsbBroad304_05480		BC121153	341405	ANKRD33	no errors	hORFeome V8.1 Collection	341405	ANKRD33	NM_001130015.1	Full Length 100% match
ccsbBroadEn_05481	ccsbBroad304_05481	454	BC119787	341567	H1FNT	no errors	hORFeome V8.1 Collection	341567	H1FNT	NM_181788.1	Full Length 100% match
ccsbBroadEn_05482	ccsbBroad304_05482		BC062710	342538	NACA2	no errors	hORFeome V8.1 Collection	342538	NACA2	NM_199290.3	Full Length 100% match
ccsbBroadEn_05483	ccsbBroad304_05483	454	BC067874,BC092493	342897	NCCRP1	no errors	hORFeome V8.1 Collection	342897	NCCRP1	NM_001001414.1	Full Length 100% match
ccsbBroadEn_05484	ccsbBroad304_05484		BC121075	342898	SYCN	no errors	hORFeome V8.1 Collection	342898	SYCN	NM_001080468.2	Full Length 100% match
ccsbBroadEn_05485	ccsbBroad304_05485		BC050038	342926	ZNF677	no errors	hORFeome V8.1 Collection	342926	ZNF677	NM_182609.2	Full Length 100% match
ccsbBroadEn_05486	ccsbBroad304_05486		BC112277	342945	ZSCAN22	no errors	hORFeome V8.1 Collection	342945	ZSCAN22	NM_181846.2	Full Length 100% match
ccsbBroadEn_05487	ccsbBroad304_05487		BC101209	342977	NANOS3	no errors	hORFeome V8.1 Collection	342977	NANOS3	NM_001098622.1	Full Length 100% match
ccsbBroadEn_05488	ccsbBroad304_05488		BC065541	343035	RD3	no errors	hORFeome V8.1 Collection	343035	RD3	NM_183059.2;	Full Length 100% match
ccsbBroadEn_05489	ccsbBroad304_05489		BC101343	343070	PRAMEF9	no errors	hORFeome V8.1 Collection	343070; 653619	PRAMEF9; PRAMEF15	NM_001010890.1;	Full Length 100% match
ccsbBroadEn_05490	ccsbBroad304_05490	454	BC137142	343169	OR6F1	no errors	hORFeome V8.1 Collection	343169	OR6F1	NM_001005286.1	Full Length 100% match
ccsbBroadEn_05491	ccsbBroad304_05491	454	BC092499	343521	TCTEX1D4	no errors	hORFeome V8.1 Collection	343521	TCTEX1D4	NM_001013632.2	Full Length 100% match
ccsbBroadEn_05492	ccsbBroad304_05492		BC117339	344658	SAMD7	no errors	hORFeome V8.1 Collection	344658	SAMD7	NM_182610.2	Full Length 100% match
ccsbBroadEn_05493	ccsbBroad304_05493		BC128106	344901	OSTN	no errors	hORFeome V8.1 Collection	344901	OSTN	NM_198184.1	Full Length 100% match
ccsbBroadEn_05494	ccsbBroad304_05494	454	BC137255	345079	ANKRD56	no errors	hORFeome V8.1 Collection	345079	ANKRD56	NM_001029870.1	Full Length 100% match
ccsbBroadEn_05495	ccsbBroad304_05495		BC112303,BC112305	345275	HSD17B13	no errors	hORFeome V8.1 Collection	345275	HSD17B13	NM_178135.3	Full Length 100% match
ccsbBroadEn_05496	ccsbBroad304_05496	454	BC132954	345456	PFN3	no errors	hORFeome V8.1 Collection	345456	PFN3	NM_001029886.2	Full Length 100% match
ccsbBroadEn_05497	ccsbBroad304_05497	454	BC137470	345651	ACTBL2	no errors	hORFeome V8.1 Collection	345651	ACTBL2	NM_001017992.2	Full Length 100% match
ccsbBroadEn_05498	ccsbBroad304_05498		BC027332	345757	FAM174A	no errors	hORFeome V8.1 Collection	345757	FAM174A	NM_198507.1	Full Length 100% match
ccsbBroadEn_05499	ccsbBroad304_05499		BC106949	345895	RSPH4A	no errors	hORFeome V8.1 Collection	345895	RSPH4A	NM_001161664.1	Full Length 100% match
ccsbBroadEn_05500	ccsbBroad304_05500	454	BC146884	345930	ECT2L	no errors	hORFeome V8.1 Collection	345930	ECT2L	NM_001077706.2;	Full Length 100% match
ccsbBroadEn_05501	ccsbBroad304_05501	454	BC133013	346007	EYS	no errors	hORFeome V8.1 Collection	346007	EYS	NM_001195037.2	Full Length 100% match
ccsbBroadEn_05502	ccsbBroad304_05502	454	BC137090	346389	MACC1	no errors	hORFeome V8.1 Collection	346389	MACC1	NM_198283.1	Full Length 100% match
ccsbBroadEn_05503	ccsbBroad304_05503	454	BC136902	346525	OR2A12	no errors	hORFeome V8.1 Collection	346525	OR2A12	NM_182762.3	Full Length 100% match
ccsbBroadEn_05504	ccsbBroad304_05504		BC105730	346653	FAM71F2	no errors	hORFeome V8.1 Collection	346653	FAM71F2	NM_001004135.1	Full Length 100% match
ccsbBroadEn_05505	ccsbBroad304_05505	454	BC104965	346689	KLRG2	no errors	hORFeome V8.1 Collection	346689	KLRG2	NM_001128926.1	Full Length 100% match
ccsbBroadEn_05506	ccsbBroad304_05506	454	BC136933	347168	OR1J1	no errors	hORFeome V8.1 Collection	347168	OR1J1	NM_198508.2	Full Length 100% match
ccsbBroadEn_05507	ccsbBroad304_05507	454	BC093667	347404	LANCL3	no errors	hORFeome V8.1 Collection	347404	LANCL3	NM_001004451.1	Full Length 100% match
ccsbBroadEn_05508	ccsbBroad304_05508	454	BC137148	347487	CXorf66	no errors	hORFeome V8.1 Collection	347487	CXorf66	NM_198511.2	Full Length 100% match
ccsbBroadEn_05509	ccsbBroad304_05509		BC117239	347517	RAB41	no errors	hORFeome V8.1 Collection	347517	RAB41	NM_001013403.2	Full Length 100% match
ccsbBroadEn_05510	ccsbBroad304_05510		BC113715,BC113717	347731	LRRTM3	no errors	hORFeome V8.1 Collection	347731	LRRTM3	NM_001032726.2	Full Length 100% match
ccsbBroadEn_05511	ccsbBroad304_05511		BC001352,BC063610	347733	TUBB2B	no errors	hORFeome V8.1 Collection	347733	TUBB2B	NM_178011.3	Full Length 100% match
ccsbBroadEn_05512	ccsbBroad304_05512		BC018995	348013	FAM70B	no errors	hORFeome V8.1 Collection	348013	FAM70B	NM_178012.4	Full Length 100% match
ccsbBroadEn_05513	ccsbBroad304_05513		BC017873	348235	SKA2	no errors	hORFeome V8.1 Collection	348235	SKA2	NM_182614.2	Full Length 100% match
ccsbBroadEn_05514	ccsbBroad304_05514		BC117331	348303	SELV	early stop codon	hORFeome V8.1 Mutant Subcollection	348303	SELV	NM_182620.3	Full Length 100% match
ccsbBroadEn_05515	ccsbBroad304_05515	454	BC093999	348738	C2orf48	no errors	hORFeome V8.1 Collection	348738	C2orf48	NM_182704.1	Full Length 100% match
ccsbBroadEn_05516	ccsbBroad304_05516		BC054030	348793	WDR53	no errors	hORFeome V8.1 Collection	348793	WDR53	NM_182626.1	Full Length 100% match
ccsbBroadEn_05517	ccsbBroad304_05517		BC126362,BC130480	348801	LNP1	no errors	hORFeome V8.1 Collection	348801	LNP1	NM_182627.1	Full Length 100% match
ccsbBroadEn_05518	ccsbBroad304_05518		BC065028	348995	NUP43	no errors	hORFeome V8.1 Collection	348995	NUP43	NM_001085451.1	Full Length 100% match
ccsbBroadEn_05519	ccsbBroad304_05519		BC034374	349565	NMNAT3	no errors	hORFeome V8.1 Collection	349565	NMNAT3	NM_198887.1	Full Length 100% match
ccsbBroadEn_05520	ccsbBroad304_05520		BC104232	353132	LCE1B	no errors	hORFeome V8.1 Collection	353132	LCE1B	NM_178177.2	Full Length 100% match
ccsbBroadEn_05521	ccsbBroad304_05521		BC130365,BC130367	353144	LCE3C	no errors	hORFeome V8.1 Collection	353144	LCE3C	NM_178349.1	Full Length 100% match
ccsbBroadEn_05522	ccsbBroad304_05522		BC131742	353164	TAS2R42	no errors	hORFeome V8.1 Collection	353164	TAS2R42	NM_178434.2	Full Length 100% match
ccsbBroadEn_05523	ccsbBroad304_05523	454	BC132951	353288	KRT26	no errors	hORFeome V8.1 Collection	353288	KRT26	NM_181429.1	Full Length 100% match
ccsbBroadEn_05524	ccsbBroad304_05524		BC120941	353323	KRTAP12-2	no errors	hORFeome V8.1 Collection	353323	KRTAP12-2	NM_181539.4	Full Length 100% match
ccsbBroadEn_05525	ccsbBroad304_05525		BC126274	353324	SPATA12	no errors	hORFeome V8.1 Collection	353324	SPATA12	NM_181684.2	Full Length 100% match
ccsbBroadEn_05526	ccsbBroad304_05526		BC127648	353332	KRTAP12-1	no errors	hORFeome V8.1 Collection	353332	KRTAP12-1	NM_181727.1	Full Length 100% match
ccsbBroadEn_05527	ccsbBroad304_05527		BC120951	353345	GPR141	no errors	hORFeome V8.1 Collection	353345	GPR141	NM_181686.1	Full Length 100% match
ccsbBroadEn_05528	ccsbBroad304_05528		BC109266	353376	TICAM2	no errors	hORFeome V8.1 Collection	353376	TICAM2	NM_181791.1	Full Length 100% match
ccsbBroadEn_05529	ccsbBroad304_05529		BC056508	353513	VCY1B	no errors	hORFeome V8.1 Collection	9084; 353513	VCY; VCY1B	NM_004679.2;	Full Length 100% match
ccsbBroadEn_05530	ccsbBroad304_05530		BC063425	373156	GSTK1	no errors	hORFeome V8.1 Collection	373156	GSTK1	NM_181880.1	Full Length 100% match
ccsbBroadEn_05531	ccsbBroad304_05531		BC033496	373863	DND1	no errors	hORFeome V8.1 Collection	373863	DND1	NM_001143679.1	Full Length 100% match
ccsbBroadEn_05532	ccsbBroad304_05532		BC044830	374355	C10orf96	no errors	hORFeome V8.1 Collection	374355	C10orf96	NM_194249.2	Full Length 100% match
ccsbBroadEn_05533	ccsbBroad304_05533	454	BC136797	374383	DKFZp686O24166	no errors	hORFeome V8.1 Collection	374383	DKFZp686O24166	NM_198515.2	Full Length 100% match
ccsbBroadEn_05534	ccsbBroad304_05534		BC130513,BC130539	374393	FAM111B	no errors	hORFeome V8.1 Collection	374393	FAM111B	NM_001202439.1	Full Length 100% match
ccsbBroadEn_05535	ccsbBroad304_05535	454	BC051355	374395	TMEM179B	no errors	hORFeome V8.1 Collection	374395	TMEM179B	NM_198947.3	Full Length 100% match
ccsbBroadEn_05536	ccsbBroad304_05536		BC028119	374618	TEX9	no errors	hORFeome V8.1 Collection	374618	TEX9	NM_199337.2	Full Length 100% match
ccsbBroadEn_05537	ccsbBroad304_05537		BC033794	374659	HDCC3	no errors	hORFeome V8.1 Collection	374659	HDCC3	NM_198524.1	Full Length 100% match
ccsbBroadEn_05538	ccsbBroad304_05538		BC033882	374768	SPEM1	no errors	hORFeome V8.1 Collection	374768	SPEM1	NM_198527.2	Full Length 100% match
ccsbBroadEn_05539	Failed LR reaction		BC053546	374875	HSD11B1L	no errors	hORFeome V8.1 Collection	374875	HSD11B1L	NM_199339.2	Full Length 100% match
ccsbBroadEn_05540	ccsbBroad304_05540		BC064948	374882	TMEM205	no errors	hORFeome V8.1 Collection	374882			



ccsbBroadEn_05542	ccsbBroad304_05542		BC068098	375035	SFT2D2	no errors	hORFeome V8.1 Collection	375035	SFT2D2	NM_199344.2	Full Length 100% match
ccsbBroadEn_05543	ccsbBroad304_05543		BC029523	375189	PFN4	no errors	hORFeome V8.1 Collection	375189	PFN4	NM_199346.1	Full Length 100% match
ccsbBroadEn_05544	ccsbBroad304_05544	454	BC136411	375287	RBM43	no errors	hORFeome V8.1 Collection	375287	RBM43	NM_198557.2	Full Length 100% match
ccsbBroadEn_05545	ccsbBroad304_05545		BC052750	375307	C2orf62	no errors	hORFeome V8.1 Collection	375307	C2orf62	NM_198559.1	Full Length 100% match
ccsbBroadEn_05546	ccsbBroad304_05546		BC053629	375341	C3orf62	no errors	hORFeome V8.1 Collection	375341	C3orf62	NM_198562.2	Full Length 100% match
ccsbBroadEn_05547	ccsbBroad304_05547		BC047015	375346	TMEM110	no errors	hORFeome V8.1 Collection	375346	TMEM110	NM_198563.2	Full Length 100% match
ccsbBroadEn_05548	ccsbBroad304_05548	454	BC044233	375387	LRRC33	no errors	hORFeome V8.1 Collection	375387	LRRC33	NM_198565.1	Full Length 100% match
ccsbBroadEn_05549	ccsbBroad304_05549		BC057813	375519	GJB7	no errors	hORFeome V8.1 Collection	375519	GJB7	NM_198568.2	Full Length 100% match
ccsbBroadEn_05550	ccsbBroad304_05550	454	BC110857	375567	VWC2	no errors	hORFeome V8.1 Collection	375567	VWC2	NM_198570.3	Full Length 100% match
ccsbBroadEn_05551	ccsbBroad304_05551	454	BC090881	376132	LRRC10	no errors	hORFeome V8.1 Collection	376132	LRRC10	NM_201550.2	Full Length 100% match
ccsbBroadEn_05552	ccsbBroad304_05552		BC040679	376267	RAB15	no errors	hORFeome V8.1 Collection	376267	RAB15	NM_198686.2	Full Length 100% match
ccsbBroadEn_05553	ccsbBroad304_05553		BC133695	377047	PRSS45	no errors	hORFeome V8.1 Collection	377047	PRSS45	NM_199183.2	Full Length 100% match
ccsbBroadEn_05554	ccsbBroad304_05554		BC029430	378708	APITD1	no errors	hORFeome V8.1 Collection	378708	APITD1	NM_199294.2	Full Length 100% match
ccsbBroadEn_05555	ccsbBroad304_05555		BC128139	378807	CATSPER4	no errors	hORFeome V8.1 Collection	378807	CATSPER4	NM_198137.1	Full Length 100% match
ccsbBroadEn_05556	ccsbBroad304_05556		BC103888	378884	NHLRC1	no errors	hORFeome V8.1 Collection	378884	NHLRC1	NM_198586.2	Full Length 100% match
ccsbBroadEn_05557	ccsbBroad304_05557	454	BC132998	386653	IL31	no errors	hORFeome V8.1 Collection	386653	IL31	NM_001014336.1	Full Length 100% match
ccsbBroadEn_05558	ccsbBroad304_05558		BC119643	386675	KRTAP10-7	no errors	hORFeome V8.1 Collection	386675	KRTAP10-7	NM_198689.2	Full Length 100% match
ccsbBroadEn_05559	ccsbBroad304_05559		BC120949	386680	KRTAP10-5	no errors	hORFeome V8.1 Collection	386680	KRTAP10-5	NM_198694.2	Full Length 100% match
ccsbBroadEn_05560	ccsbBroad304_05560		BC101363,BC110418	386724	AMIGO3	no errors	hORFeome V8.1 Collection	386724	AMIGO3	NM_198722.2	Full Length 100% match
ccsbBroadEn_05561	ccsbBroad304_05561		BC014031	387032	ZKSCAN4	no errors	hORFeome V8.1 Collection	387032	ZKSCAN4	NM_019110.3	Full Length 100% match
ccsbBroadEn_05562	ccsbBroad304_05562		BC130305	387082	SUMO4	no errors	hORFeome V8.1 Collection	387082	SUMO4	NM_001002255.1	Full Length 100% match
ccsbBroadEn_05563	ccsbBroad304_05563	454	BC062798	387103	CENPW	no errors	hORFeome V8.1 Collection	387103	CENPW	NM_001012507.2	Full Length 100% match
ccsbBroadEn_05564	ccsbBroad304_05564		BC132693,BC132695	387129	NPSR1	no errors	hORFeome V8.1 Collection	387129	NPSR1	NM_207173.1	Full Length 100% match
ccsbBroadEn_05565	ccsbBroad304_05565		BC132703	387496	RASL11A	no errors	hORFeome V8.1 Collection	387496	RASL11A	NM_206827.1	Full Length 100% match
ccsbBroadEn_05566	ccsbBroad304_05566	454	BC062717	387718	C10orf122	no errors	hORFeome V8.1 Collection	387718	C10orf122	NM_001128202.1	Full Length 100% match
ccsbBroadEn_05567	ccsbBroad304_05567		BC026873	387758	FIBIN	no errors	hORFeome V8.1 Collection	387758	FIBIN	NM_203371.1	Full Length 100% match
ccsbBroadEn_05568	ccsbBroad304_05568	454	BC137244	387778	SPDYC	no errors	hORFeome V8.1 Collection	387778	SPDYC	NM_001008778.1	Full Length 100% match
ccsbBroadEn_05569	ccsbBroad304_05569		BC132898	387914	SHISA2	no errors	hORFeome V8.1 Collection	387914	SHISA2	NM_001007538.1	Full Length 100% match
ccsbBroadEn_05570	ccsbBroad304_05570	454	BC140877	387921	NHLRC3	no errors	hORFeome V8.1 Collection	387921	NHLRC3	NM_001012754.2	Full Length 100% match
ccsbBroadEn_05571	ccsbBroad304_05571		BC029067	387923	SERP2	no errors	hORFeome V8.1 Collection	387923	SERP2	NM_001010897.1	Full Length 100% match
ccsbBroadEn_05572	ccsbBroad304_05572	454	BC137563	387990	TOMM20L	no errors	hORFeome V8.1 Collection	387990	TOMM20L	NM_207377.2	Full Length 100% match
ccsbBroadEn_05573	ccsbBroad304_05573	454	BC111368	388135	C15orf59	no errors	hORFeome V8.1 Collection	388135	C15orf59	NM_001039614.1	Full Length 100% match
ccsbBroadEn_05574	ccsbBroad304_05574		BC056676	388272	C16orf87	no errors	hORFeome V8.1 Collection	388272	C16orf87	NM_001001436.2	Full Length 100% match
ccsbBroadEn_05575	Failed LR reaction		BC119781	388324	INCA1	no errors	hORFeome V8.1 Collection	388324	INCA1	NM_001167986.1; NM_001167987.1	Full Length 100% match
ccsbBroadEn_05576	ccsbBroad304_05576		BC130554	388325	C17orf87	no errors	hORFeome V8.1 Collection	388325	C17orf87	NM_207103.2	Full Length 100% match
ccsbBroadEn_05577	ccsbBroad304_05577	454	BC146949	388333	SPDYE4	no errors	hORFeome V8.1 Collection	388333	SPDYE4	NM_001128076.1	Full Length 100% match
ccsbBroadEn_05578	ccsbBroad304_05578		BC127705,CCSB53332	388335	TMEM220	no errors	hORFeome V8.1 Collection	388335	TMEM220	NM_001004313.1	Full Length 100% match
ccsbBroadEn_05579	ccsbBroad304_05579	454	BC137201	388364	TMIGD1	no errors	hORFeome V8.1 Collection	388364	TMIGD1	NM_206832.1	Full Length 100% match
ccsbBroadEn_05580	ccsbBroad304_05580		BC041060	388389	CCDC103	no errors	hORFeome V8.1 Collection	388389	CCDC103	NM_213607.1	Full Length 100% match
ccsbBroadEn_05581	ccsbBroad304_05581		BC132884,BC132886	388403	YPEL2	no errors	hORFeome V8.1 Collection	388403	YPEL2	NM_001005404.3	Full Length 100% match
ccsbBroadEn_05582	ccsbBroad304_05582		BC046200	388407	C17orf82	no errors	hORFeome V8.1 Collection	388407	C17orf82	NM_203425.1	Full Length 100% match
ccsbBroadEn_05583	ccsbBroad304_05583		BC130501	388533	KRTDAP	no errors	hORFeome V8.1 Collection	388533	KRTDAP	NM_207392.1	Full Length 100% match
ccsbBroadEn_05584	ccsbBroad304_05584		BC130593,BC130597	388555	IGFL3	no errors	hORFeome V8.1 Collection	388555	IGFL3	NM_207393.1	Full Length 100% match
ccsbBroadEn_05585	ccsbBroad304_05585	454	BC140881	388569	ZNF324B	no errors	hORFeome V8.1 Collection	388569	ZNF324B	NM_207395.2	Full Length 100% match
ccsbBroadEn_05586	ccsbBroad304_05586	454	BC146957	388588	LOC388588	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	388588	LOC388588	NM_001163724.1	Full Length 100% match
ccsbBroadEn_05587	ccsbBroad304_05587	454	BC137466	388611	CD164L2	no errors	hORFeome V8.1 Collection	388611	CD164L2	NM_207397.2	Full Length 100% match
ccsbBroadEn_05588	ccsbBroad304_05588		BC127708	388633	LDLRAD1	no errors	hORFeome V8.1 Collection	388633	LDLRAD1	NM_001010978.2	Full Length 100% match
ccsbBroadEn_05589	ccsbBroad304_05589		BC130499,CCSB53354	388649	C1orf146	no errors	hORFeome V8.1 Collection	388649	C1orf146	NM_001012425.1	Full Length 100% match
ccsbBroadEn_05590	ccsbBroad304_05590		BC010154	388677	NOTCH2NL	no errors	hORFeome V8.1 Collection	388677	NOTCH2NL	NM_203458.3	Full Length 100% match
ccsbBroadEn_05591	ccsbBroad304_05591		BC031649	388695	LYSMD1	no errors	hORFeome V8.1 Collection	388695	LYSMD1	NM_212551.4	Full Length 100% match
ccsbBroadEn_05592	ccsbBroad304_05592		BC130509	388701	C1orf189	no errors	hORFeome V8.1 Collection	388701	C1orf189	NM_001010979.1	Full Length 100% match
ccsbBroadEn_05593	ccsbBroad304_05593		BC130608,BC130634	388722	C1orf53	no errors	hORFeome V8.1 Collection	388722	C1orf53	NM_001024594.2	Full Length 100% match
ccsbBroadEn_05594	ccsbBroad304_05594	454	BC061592	388730	TMEM81	no errors	hORFeome V8.1 Collection	388730	TMEM81	NM_203376.1	Full Length 100% match
ccsbBroadEn_05595	ccsbBroad304_05595		BC116455	388753	C1orf31	no errors	hORFeome V8.1 Collection	388753	C1orf31	NM_001012985.1	Full Length 100% match
ccsbBroadEn_05596	ccsbBroad304_05596		BC057825	388818	KRTAP26-1	no errors	hORFeome V8.1 Collection	388818	KRTAP26-1	NM_203405.1	Full Length 100% match
ccsbBroadEn_05597	ccsbBroad304_05597	454	BC111483	388969	C2orf68	no errors	hORFeome V8.1 Collection	388969	C2orf68	NM_001013649.3	Full Length 100% match
ccsbBroadEn_05598	ccsbBroad304_05598		BC040047	389123	IQCF2	no errors	hORFeome V8.1 Collection	389123	IQCF2	NM_203424.1	Full Length 100% match
ccsbBroadEn_05599	ccsbBroad304_05599		BC130550,CCSB53171	389125	MUSTN1	no errors	hORFeome V8.1 Collection	389125	MUSTN1	NM_205853.3	Full Length 100% match
ccsbBroadEn_05600	ccsbBroad304_05600	454	BC137145	389151	PRR23B	no errors	hORFeome V8.1 Collection	389151	PRR23B	NM_001013650.2	Full Length 100% match
ccsbBroadEn_05601	ccsbBroad304_05601		BC130495,BC130497	389320	C5orf48	no errors	hORFeome V8.1 Collection	389320	C5orf48	NM_207408.1	Full Length 100% match
ccsbBroadEn_05602	ccsbBroad304_05602	454	BC140873	389384	C6orf222	no errors	hORFeome V8.1 Collection	389384	C6orf222	NM_001010903.4	Full Length 100% match
ccsbBroadEn_05603	ccsbBroad304_05603	454	BC137526	389421	LIN28B	no errors	hORFeome V8.1 Collection	389421	LIN28B	NM_001004317.2	Full Length 100% match
ccsbBroadEn_05604	ccsbBroad304_05604	454	BC127714	389549	FEZF1	no errors	hORFeome V8.1 Collection	389549	FEZF1	NM_001024613.2	Full Length 100% match
ccsbBroadEn_05605	ccsbBroad304_05605		BC130641,BC130643	389658	FAM150A	no errors	hORFeome V8.1 Collection	389658	FAM150A	NM_207413.3	Full Length 100% match
ccsbBroadEn_05606	ccsbBroad304_05606		BC130359,CCSB53153	389860	PAGE2B	no errors	hORFeome V8.1 Collection	389860	PAGE2B	NM_001015038.1	Full Length 100% match
ccsbBroadEn_05607	ccsbBroad304_05607	454	BC136999	390061	OR51Q1	no errors	hORFeome V8.1 Collection	390061	OR51Q1	NM_001004757.2	Full Length 100% match
ccsbBroadEn_05608	ccsbBroad304_05608	454	BC137035	390072	OR52N4	no errors	hORFeome V8.1 Collection	390072	OR52N4	NM_001005175.2	Full Length 100% match
ccsbBroadEn_05609	ccsbBroad304_05609	454	BC136981	390075	OR52N5	no errors	hORFeome V8.1 Collection	390075	OR52N5	NM_001001922.2	Full Length 100% match
ccsbBroadEn_05610	ccsbBroad304_05610	454	BC136992	390155	OR5T1	no errors	hORFeome V8.1 Collection	390155	OR5T1	NM_001004745.1	Full Length 100% match
ccsbBroadEn_05611	ccsbBroad304_05611	454	BC136893	390197	OR4D10	no errors	hORFeome V8.1 Collection	390197	OR4D10	NM_001004705.1	Full Length 100% match
ccsbBroadEn_05612	ccsbBroad304_05612		BC122869	390212	GPR152	no errors	hORFeome V8.1 Collection	390212	GPR152	NM_206997.1	Full Length 100% match
ccsbBroadEn_05613	ccsbBroad304_05613	454	BC136929	390261	OR6M1	no errors	hORFeome V8.1 Collection	390261	OR6M1	NM_001005325.1	Full Length 100% match
ccsbBroadEn_05614	ccsbBroad304_05614	454	BC137194	390275	OR8A1	no errors	hORFeome V8.1 Collection	390275	OR8A1	NM_001005194.1	Full Length 100% match
ccsbBroadEn_05615	ccsbBroad304_05615	454	BC137065	390649	OR4F15	no errors	hORFeome V8.1 Collection	390649	OR4F15	NM_001001674.1	Full Length 100% match
ccsbBroadEn_05616	ccsbBroad304_05616	454	BC146858	391004	PRAMEF17	no errors	hORFeome V8.1 Collection	391004	PRAMEF17	NM_001099851.1	Full Length 100% match
ccsbBroadEn_05617	ccsbBroad304_05617		BC130596,BC130598	391104	VHLL	no errors	hORFeome V8.1 Collection	391104	VHLL	NM_001004319.2	Full Length 100% match
ccsbBroadEn_05618	Failed LR reaction	454	BC137323	391109	OR10K1	no errors	hORFeome V8.1 Collection	391109	OR10K1	NM_001004473.1	Full Length 100% match
ccsbBroadEn_05619	ccsbBroad304_05619		BC132893,BC132895	391123	VSIG8	no errors	hORFeome V8.1 Collection	391123	VSIG8	NM_001013661.1	Full Length 100% match
ccsbBroadEn_05620	ccsbBroad304_05620	454	BC136995	391195	OR2T33	no errors	hORFeome V8.1 Collection	391195	OR2T33	NM_001004695.1	Full Length 100% match
ccsbBroadEn_05621	ccsbBroad304_05621	454	BC136944	391196	OR2M7	no errors	hORFeome V8.1 Collection	391196	OR2M7	NM_001004691.1	Full Length 100% match
ccsbBroadEn_05622	ccsbBroad304_05622		BC073803	391356	C2orf79	no errors	hORFeome V8.1 Collection	391356	C2orf79	NM_001013663.1	Full Length 100% match
ccsbBroadEn_05623	ccsbBroad304_05623	454	BC089393	391712	TRIM61	no errors	hORFeome V8.1 Collection	391712	TRIM61	NM_001012414.2	Full Length 100% match
ccsbBroadEn_05624	ccsbBroad304_05624	454	BC136814	392138	OR2A25	no errors	hORFeome V8.1 Collection	392138	OR2A25	NM_001004488.1	Full Length 100% match
ccsbBroadEn_05625	ccsbBroad304_05625	454	BC136715	392309	OR13J1	no errors	hORFeome V8.1 Collection	392309	OR13J1	NM_00100	



ccsbBroadEn_05634	ccsbBroad304_05634	454	BC157869	400581	GRAPL	no errors	hORFeome V8.1 Collection	400581	GRAPL	NM_001129778.1	Full Length 100% match
ccsbBroadEn_05635	ccsbBroad304_05635		BC062632	400590	LOC400590	no errors	hORFeome V8.1 Collection	100507904; 100510548	LOC100507904; LOC100510548	XM_003119663.1; XM_003120870.1	Full Length 100% match
ccsbBroadEn_05636	ccsbBroad304_05636		BC016939	400629	TEX19	no errors	hORFeome V8.1 Collection	400629	TEX19	NM_207459.3	Full Length 100% match
ccsbBroadEn_05637	ccsbBroad304_05637	454	BC110802	400673	VMAC	no errors	hORFeome V8.1 Collection	400673	VMAC	NM_001017921.3	Full Length 100% match
ccsbBroadEn_05638	ccsbBroad304_05638		BC127785	400746	C1orf130	no errors	hORFeome V8.1 Collection	400746	C1orf130	NM_001010980.4	Full Length 100% match
ccsbBroadEn_05639	ccsbBroad304_05639		BC127744	400793	C1orf226	no errors	hORFeome V8.1 Collection	400793	C1orf226	NM_001085375.1	Full Length 100% match
ccsbBroadEn_05640	ccsbBroad304_05640	454	BC065232	400916	CHCHD10	no errors	hORFeome V8.1 Collection	400916	CHCHD10	NM_213720.1	Full Length 100% match
ccsbBroadEn_05641	ccsbBroad304_05641	454	BC137150	401027	C2orf66	no errors	hORFeome V8.1 Collection	401027	C2orf66	NM_213608.1	Full Length 100% match
ccsbBroadEn_05642	ccsbBroad304_05642	454	BC146889	401067	IQCF3	no errors	hORFeome V8.1 Collection	401067	IQCF3	NM_001085479.1	Full Length 100% match
ccsbBroadEn_05643	ccsbBroad304_05643		BC051694	401145	FAM190A	no errors	hORFeome V8.1 Collection	401145	FAM190A	NM_207491.2	Full Length 100% match
ccsbBroadEn_05644	ccsbBroad304_05644	454	BC137541	401251	C6orf26	no errors	hORFeome V8.1 Collection	401251	C6orf26	NM_001039651.1	Full Length 100% match
ccsbBroadEn_05645	ccsbBroad304_05645		BC124554	401474	SAMD12	1 synonymous error	hORFeome V8.1 Collection	401474	SAMD12	NM_207506.2	Full Length 100% match
ccsbBroadEn_05646	ccsbBroad304_05646	454	BC114215	401494	PTPLAD2	no errors	hORFeome V8.1 Collection	401494	PTPLAD2	NM_001010915.3	Full Length 100% match
ccsbBroadEn_05647	ccsbBroad304_05647		BC034247	401505	TOMM5	no errors	hORFeome V8.1 Collection	401505	TOMM5	NM_001001790.2	Full Length 100% match
ccsbBroadEn_05648	ccsbBroad304_05648		BC132741	401535	C9orf170	no errors	hORFeome V8.1 Collection	401535	C9orf170	NM_001001709.2	Full Length 100% match
ccsbBroadEn_05649	ccsbBroad304_05649		BC071726	401541	CENPP	no errors	hORFeome V8.1 Collection	401541	CENPP	NM_001012267.1	Full Length 100% match
ccsbBroadEn_05650	ccsbBroad304_05650		BC132916,BC132918	401565	FAM166A	no errors	hORFeome V8.1 Collection	401565	FAM166A	NM_001001710.1	Full Length 100% match
ccsbBroadEn_05651	ccsbBroad304_05651	454	BC136961	401992	OR2T2	no errors	hORFeome V8.1 Collection	401992	OR2T2	NM_001004136.1	Full Length 100% match
ccsbBroadEn_05652	ccsbBroad304_05652	454	BC146911	402117	VWC2L	no errors	hORFeome V8.1 Collection	402117	VWC2L	NM_001080500.2	Full Length 100% match
ccsbBroadEn_05653	ccsbBroad304_05653	454	BC136724	402135	OR5K2	no errors	hORFeome V8.1 Collection	402135	OR5K2	NM_001004737.1	Full Length 100% match
ccsbBroadEn_05654	ccsbBroad304_05654		BC130639,BC130645	404552	SCGB1D4	no errors	hORFeome V8.1 Collection	404552	SCGB1D4	NM_206998.1	Full Length 100% match
ccsbBroadEn_05655	ccsbBroad304_05655		BC022271	404636	FAM45A	no errors	hORFeome V8.1 Collection	404636	FAM45A	NM_207009.2	Full Length 100% match
ccsbBroadEn_05656	ccsbBroad304_05656		BC060317	404672	GTF2H5	no errors	hORFeome V8.1 Collection	404672	GTF2H5	NM_207118.2	Full Length 100% match
ccsbBroadEn_05657	ccsbBroad304_05657	454	BC137465	405753	DUOXA2	no errors	hORFeome V8.1 Collection	405753	DUOXA2	NM_207581.3	Full Length 100% match
ccsbBroadEn_05658	ccsbBroad304_05658		BC068585	405754	ERVFRDE1	no errors	hORFeome V8.1 Collection	405754	ERVFRDE1	NM_207582.2	Full Length 100% match
ccsbBroadEn_05659	ccsbBroad304_05659		BC025746	407738	FAM19A1	no errors	hORFeome V8.1 Collection	407738	FAM19A1	NM_213609.2	Full Length 100% match
ccsbBroadEn_05660	ccsbBroad304_05660		BC043584	408029	C2orf27B	no errors	hORFeome V8.1 Collection	408029	C2orf27B	NM_214461.1	Full Length 100% match
ccsbBroadEn_05661	ccsbBroad304_05661		BC024013	414061	DNAJB3	no errors	hORFeome V8.1 Collection	414061	DNAJB3	NM_001001394.3	Full Length 100% match
ccsbBroadEn_05662	ccsbBroad304_05662	454	BC049374	414236	C10orf55	no errors	hORFeome V8.1 Collection	414236	C10orf55	NM_001001791.2	Full Length 100% match
ccsbBroadEn_05663	ccsbBroad304_05663		BC130361,BC130363	414899	BLID	no errors	hORFeome V8.1 Collection	414899	BLID	NM_001001786.2	Full Length 100% match
ccsbBroadEn_05664	ccsbBroad304_05664		BC034696	415117	STX19	no errors	hORFeome V8.1 Collection	415117	STX19	NM_001001850.1	Full Length 100% match
ccsbBroadEn_05665	Failed LR reaction	454	BC132953	439940	C8orf15	no errors	hORFeome V8.1 Collection	100505981	LOC100505981	XM_003119008.1; XM_003120070.1; XM_003120612.1	Full Length 100% match
ccsbBroadEn_05666	ccsbBroad304_05666		BC130399	440023	KRTAP5-6	no errors	hORFeome V8.1 Collection	440023	KRTAP5-6	NM_001012416.1	Full Length 100% match
ccsbBroadEn_05667	ccsbBroad304_05667		BC132752,BC132754	440087	C12orf69	no errors	hORFeome V8.1 Collection	440087	C12orf69	NM_001013698.2	Full Length 100% match
ccsbBroadEn_05668	ccsbBroad304_05668	454	BC136730	440153	OR11H12	no errors	hORFeome V8.1 Collection	440153	OR11H12	NM_001013354.1	Full Length 100% match
ccsbBroadEn_05669	ccsbBroad304_05669	454	BC044831	440163	RNASE13	no errors	hORFeome V8.1 Collection	440163	RNASE13	NM_001012264.3	Full Length 100% match
ccsbBroadEn_05670	ccsbBroad304_05670	454	BC137500	440533	PSG8	no errors	hORFeome V8.1 Collection	440533	PSG8	NM_182707.2	Full Length 100% match
ccsbBroadEn_05671	ccsbBroad304_05671	454	BC110793	440689	HIST2H2BF	no errors	hORFeome V8.1 Collection	440689	HIST2H2BF	NM_001024599.3	Full Length 100% match
ccsbBroadEn_05672	ccsbBroad304_05672	454	BC132981	440699	LRRCS52	no errors	hORFeome V8.1 Collection	440699	LRRCS52	NM_001005214.3	Full Length 100% match
ccsbBroadEn_05673	ccsbBroad304_05673	454	BC071785	440712	C1orf186	no errors	hORFeome V8.1 Collection	440712	C1orf186	NM_001007544.1	Full Length 100% match
ccsbBroadEn_05674	ccsbBroad304_05674	454	BC127722	440738	MAP1LC3C	no errors	hORFeome V8.1 Collection	440738	MAP1LC3C	NM_001004343.2	Full Length 100% match
ccsbBroadEn_05675	ccsbBroad304_05675	454	BC133034	440955	TMEM89	no errors	hORFeome V8.1 Collection	440955	TMEM89	NM_001008269.1	Full Length 100% match
ccsbBroadEn_05676	ccsbBroad304_05676	454	BC150574	441054	C4orf47	no errors	hORFeome V8.1 Collection	441054	C4orf47	NM_001114357.1	Full Length 100% match
ccsbBroadEn_05677	ccsbBroad304_05677		BC060325	441150	C6orf226	no errors	hORFeome V8.1 Collection	441150	C6orf226	NM_001008739.1	Full Length 100% match
ccsbBroadEn_05678	ccsbBroad304_05678		BC068520	441250	TYW1B	no errors	hORFeome V8.1 Collection	441250	TYW1B	NM_001145440.1	Full Length 100% match
ccsbBroadEn_05679	ccsbBroad304_05679		BC053618	441478	NRARP	no errors	hORFeome V8.1 Collection	441478	NRARP	NM_001004354.2	Full Length 100% match
ccsbBroadEn_05680	ccsbBroad304_05680		BC113720,BC117393	441518	FAM127C	no errors	hORFeome V8.1 Collection	441518	FAM127C	NM_001078173.1	Full Length 100% match
ccsbBroadEn_05681	ccsbBroad304_05681		BC028711	441519	CT45A3	no errors	hORFeome V8.1 Collection	441519	CT45A3	NM_001017435.1	Full Length 100% match
ccsbBroadEn_05682	ccsbBroad304_05682		BC070138	441521	CT45A5	no errors	hORFeome V8.1 Collection	441521	CT45A5	NM_001007551.3; NM_001172288.1	Full Length 100% match
ccsbBroadEn_05683	ccsbBroad304_05683		BC130503,BC130505	441525	SPANXN4	no errors	hORFeome V8.1 Collection	441525	SPANXN4	NM_001009613.2	Full Length 100% match
ccsbBroadEn_05684	ccsbBroad304_05684	454	BC133042	441549	CDNF	no errors	hORFeome V8.1 Collection	441549	CDNF	NM_001029954.2	Full Length 100% match
ccsbBroadEn_05685	ccsbBroad304_05685	454	BC136738	441933	OR13G1	no errors	hORFeome V8.1 Collection	441933	OR13G1	NM_001005487.1	Full Length 100% match
ccsbBroadEn_05686	ccsbBroad304_05686	454	BC136905	442191	OR14J1	no errors	hORFeome V8.1 Collection	442191	OR14J1	NM_030946.1	Full Length 100% match
ccsbBroadEn_05687	ccsbBroad304_05687		BC132796,BC132798	442247	RFPL4B	no errors	hORFeome V8.1 Collection	442247	RFPL4B	NM_001013734.2	Full Length 100% match
ccsbBroadEn_05688	ccsbBroad304_05688	454	BC136742	442361	OR2A2	no errors	hORFeome V8.1 Collection	442361	OR2A2	NM_001005480.2	Full Length 100% match
ccsbBroadEn_05689	ccsbBroad304_05689	454	BC136878	445328	ARHGEF35	no errors	hORFeome V8.1 Collection	445328	ARHGEF35	NM_001003702.2	Full Length 100% match
ccsbBroadEn_05690	ccsbBroad304_05690	454	BC136871	445372	TRIM6-TRIM34	no errors	hORFeome V8.1 Collection	445372	TRIM6-TRIM34	NM_001003819.3	Full Length 100% match
ccsbBroadEn_05691	ccsbBroad304_05691		BC000044	474343	SPIN2B	no errors	hORFeome V8.1 Collection	474343	SPIN2B	NM_001006683.1; NM_001006682.1; NM_001006681.1	Full Length 100% match
ccsbBroadEn_05692	ccsbBroad304_05692		BC017981	492307	C8orf22	no errors	hORFeome V8.1 Collection	492307	C8orf22	NM_001007176.3	Full Length 100% match
ccsbBroadEn_05693	ccsbBroad304_05693		BC047722	493753	C2orf64	no errors	hORFeome V8.1 Collection	493753	C2orf64	NM_001008215.1	Full Length 100% match
ccsbBroadEn_05694	ccsbBroad304_05694		BC032300	493856	CISD2	no errors	hORFeome V8.1 Collection	493856	CISD2	NM_001008388.4	Full Length 100% match
ccsbBroadEn_05695	ccsbBroad304_05695		BC027612	493861	EID3	no errors	hORFeome V8.1 Collection	493861	EID3	NM_001008394.1	Full Length 100% match
ccsbBroadEn_05696	ccsbBroad304_05696		BC022324	493911	PHOSPHO2	no errors	hORFeome V8.1 Collection	493911	PHOSPHO2	NM_001008489.3; NM_001199285.1; NM_001199286.1; NM_001199287.1;	Full Length 100% match
ccsbBroadEn_05697	ccsbBroad304_05697		BC019239,BC053896	494143	CHAC2	no errors	hORFeome V8.1 Collection	494143	CHAC2	NM_001008708.2	Full Length 100% match
ccsbBroadEn_05698	ccsbBroad304_05698		BC127902	494513	DFNB59	no errors	hORFeome V8.1 Collection	494513	DFNB59	NM_001042702.3	Full Length 100% match
ccsbBroadEn_05699	ccsbBroad304_05699		BC034422	541468	C1orf190	no errors	hORFeome V8.1 Collection	541468	C1orf190	NM_001013615.2	Full Length 100% match
ccsbBroadEn_05700	ccsbBroad304_05700		BC009523	541578	CXorf40B	no errors	hORFeome V8.1 Collection	541578	CXorf40B	NM_001013845.1	Full Length 100% match
ccsbBroadEn_05701	ccsbBroad304_05701		BC001926,BC006467	548596	CKMT1A	no errors	hORFeome V8.1 Collection	548596	CKMT1A	NM_001015001.1	Full Length 100% match
ccsbBroadEn_05702	ccsbBroad304_05702		BC002773	553115	PEF1	no errors	hORFeome V8.1 Collection	553115	PEF1	NM_012392.3	Full Length 100% match
ccsbBroadEn_05703	ccsbBroad304_05703		BC019846	554313	HIST2H4B	no errors	hORFeome V8.1 Collection	8370; 554313	HIST2H4A; HIST2H4B	NM_003548.2; NM_001034077.4	Full Length 100% match
ccsbBroadEn_05704	ccsbBroad304_05704		BC018026	594855	CPLX3	no errors	hORFeome V8.1 Collection	594855	CPLX3	NM_001030005.2	Full Length 100% match
ccsbBroadEn_05705	ccsbBroad304_05705		BC130461,BC130463	613211	DEFB134	no errors	hORFeome V8.1 Collection	613211	DEFB134	NM_001033019.1	Full Length 100% match
ccsbBroadEn_05706	ccsbBroad304_05706	454	BC044912	619208	C6orf225	no errors	hORFeome V8.1 Collection	619208	C6orf225	NM_001033564.1	Full Length 100% match
ccsbBroadEn_05707	ccsbBroad304_05707	454	BC136845	619279	ZNF704	no errors	hORFeome V8.1 Collection	619279	ZNF704	NM_001033723.2	Full Length 100% match
ccsbBroadEn_05708	ccsbBroad304_05708	454	BC137374	641318	C15orf45	no errors	hORFeome V8.1 Collection	100506887	LOC100506887	XM_003119607.1	



ccsbBroadEn_05716	ccsbBroad304_05716	454	BC146955	644054	FAM25C	no errors	hORFeome V8.1 Collection	100132929; 644054; 100133093	FAM25B; FAM25C; FAM25G	NM_001137548.1; NM_001137549.1; NM_001137556.1	Full Length 100% match
ccsbBroadEn_05717	ccsbBroad304_05717	454	BC137516	644096	SDHAF1	no errors	hORFeome V8.1 Collection	644096	SDHAF1	NM_001042631.2	Full Length 100% match
ccsbBroadEn_05718	ccsbBroad304_05718		BC127859	644186	C22orf41	no errors	hORFeome V8.1 Collection	644186	C22orf41	NM_001123225.1	Full Length 100% match
ccsbBroadEn_05719	ccsbBroad304_05719		BC132837	645121	CCNI2	no errors	hORFeome V8.1 Collection	645121	CCNI2	NM_001039780.2	Full Length 100% match
ccsbBroadEn_05720	ccsbBroad304_05720		BC130546; BC130548	645840	TXNRD3IT1	no errors	hORFeome V8.1 Collection	645840	TXNRD3IT1	NM_001039783.1	Full Length 100% match
ccsbBroadEn_05721	ccsbBroad304_05721	454	BC146955	646799	ZAR1L	no errors	hORFeome V8.1 Collection	646799	ZAR1L	NM_001136571.1	Full Length 100% match
ccsbBroadEn_05722	ccsbBroad304_05722		BC021927	652968	GATSL3	no errors	hORFeome V8.1 Collection	652968	GATSL3	NM_001037666.2	Full Length 100% match
ccsbBroadEn_05723	ccsbBroad304_05723		BC050462	653140	C2orf84	no errors	hORFeome V8.1 Collection	653140	C2orf84	NM_001040710.1	Full Length 100% match
ccsbBroadEn_05724	ccsbBroad304_05724		BC004376	653145	ANXA8	no errors	hORFeome V8.1 Collection	653145	ANXA8	NM_001040084.1	Full Length 100% match
ccsbBroadEn_05725	ccsbBroad304_05725	454	BC101338	653316	FAM153C	no errors	hORFeome V8.1 Collection	653316	FAM153C	NM_001079527.1	Full Length 100% match
ccsbBroadEn_05726	ccsbBroad304_05726		BC139748	653437	AQP12B	no errors	hORFeome V8.1 Collection	653437	AQP12B	NM_001102467.1	Full Length 100% match
ccsbBroadEn_05727	ccsbBroad304_05727	454	BC157856	653567	FAM23A	no errors	hORFeome V8.1 Collection	653567; 100289299	FAM23A; FAM23B	NM_001098844.1; XM_002342974.2	Full Length 100% match
ccsbBroadEn_05728	ccsbBroad304_05728		BC029149	653808	ZG16	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	653808	ZG16	NM_152338.2	Full Length 100% match
ccsbBroadEn_05729	ccsbBroad304_05729		BC069468; BC069550	654231	OCM	no errors	hORFeome V8.1 Collection	654231	OCM	NM_001097622.1	Full Length 100% match
ccsbBroadEn_05730	ccsbBroad304_05730	454	BC150568	654429	LRTM2	no errors	hORFeome V8.1 Collection	654429	LRTM2	NM_001039029.2; NM_001163925.1; NM_001163926.1	Full Length 100% match
ccsbBroadEn_05731	ccsbBroad304_05731	454	BC147004	654790	PCP4L1	no errors	hORFeome V8.1 Collection	654790	PCP4L1	NM_001102566.1	Full Length 100% match
ccsbBroadEn_05732	ccsbBroad304_05732		BC119735	728461	CSAG2	no errors	hORFeome V8.1 Collection	728461; 389903	CSAG2; CSAG3	NM_004909.3; NM_001129828.1	Full Length 100% match
ccsbBroadEn_05733	ccsbBroad304_05733		BC103913	728929	TCEB3CL	no errors	hORFeome V8.1 Collection	728929	TCEB3CL	NM_001100817.1	Full Length 100% match
ccsbBroadEn_05734	ccsbBroad304_05734	454	BC157829	729020	LOC729020	no errors	hORFeome V8.1 Collection	729020	LOC729020	NM_001143909.1	Full Length 100% match
ccsbBroadEn_05735	ccsbBroad304_05735		BC139727	729238	SFTPA2	no errors	hORFeome V8.1 Collection	729238	SFTPA2	NM_001098668.2	Full Length 100% match
ccsbBroadEn_05736	ccsbBroad304_05736		BC130374	729428	GAGE12B	no errors	hORFeome V8.1 Collection	729431; 729422; 729428; 100132399	GAGE12E; GAGE12C; GAGE12B; GAGE12D	NM_001098418.1; NM_001098408.1; NM_001127345.1; NM_001127199.1	Full Length 100% match
ccsbBroadEn_05737	ccsbBroad304_05737		BC029130	729515	C6orf35	no errors	hORFeome V8.1 Collection	729515	C6orf35	NM_018452.4	Full Length 100% match
ccsbBroadEn_05738	ccsbBroad304_05738		BC102035	729967	MORN2	no errors	hORFeome V8.1 Collection	729967	MORN2	NM_001145450.1	Full Length 100% match
ccsbBroadEn_05739	ccsbBroad304_05739	454	BC129999	730112	FAM166B	no errors	hORFeome V8.1 Collection	730112	FAM166B	NM_001099951.2	Full Length 100% match
ccsbBroadEn_05740	ccsbBroad304_05740		BC064557; BC065021	730394	GTF2H2D	no errors	hORFeome V8.1 Collection	730394	GTF2H2D	NM_001042490.3	Full Length 100% match
ccsbBroadEn_05741	ccsbBroad304_05741	454	BC146886	780776	FAM18A	no errors	hORFeome V8.1 Collection	780776	FAM18A	NM_001079512.2	Full Length 100% match
ccsbBroadEn_05742	ccsbBroad304_05742		BC032035	100131997	FAM27E3	no errors	hORFeome V8.1 Collection	100131997	FAM27E3	XM_001720463.3	Full Length 100% match
ccsbBroadEn_05743	ccsbBroad304_05743		BC073934	100132288	LOC100132288	no errors	hORFeome V8.1 Collection	100132288	LOC100132288	NM_001033515.1	Full Length 100% match
ccsbBroadEn_05744	ccsbBroad304_05744		BC034472	100133171	SPANXB2	no errors	hORFeome V8.1 Collection	100133171; 728695	SPANXB2; SPANXB1	NM_145664.1; NM_032461.2	Full Length 100% match
ccsbBroadEn_05745	ccsbBroad304_05745		BC007674; BC064619	100133941	CD24	no errors	hORFeome V8.1 Collection	100133941	CD24	NM_013230.2	Full Length 100% match
ccsbBroadEn_05746	ccsbBroad304_05746		BC047782	100134934	C17orf106	no errors	hORFeome V8.1 Collection	100134934	C17orf106	NM_001113324.1	Full Length 100% match
ccsbBroadEn_05747	ccsbBroad304_05747		BC015975; BC022274	100188893	TOMM6	no errors	hORFeome V8.1 Collection	100188893	TOMM6	NM_001134493.1	Full Length 100% match
ccsbBroadEn_05748	ccsbBroad304_05748		BC002600	100272147	MTCP1NB	no errors	hORFeome V8.1 Collection	100272147	MTCP1NB	NM_001018024.2	Full Length 100% match
ccsbBroadEn_05749	ccsbBroad304_05749	454	BC040071	2	A2M	no errors	hORFeome V8.1 Collection	2	A2M	NM_000014.4	Full Length 99-100% match
ccsbBroadEn_05750	ccsbBroad304_05750		BC015878	10	NAT2	no errors	hORFeome V8.1 Collection	10	NAT2	NM_000015.2	Full Length 99-100% match
ccsbBroadEn_05751	ccsbBroad304_05751		BC003559; BC010530	12	SERPINA3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	12	SERPINA3	NM_001085.4	Full Length 99-100% match
ccsbBroadEn_05752	ccsbBroad304_05752		BC034554	12	SERPINA3	no errors	hORFeome V8.1 Collection	12	SERPINA3	NM_001085.4	Full Length 99-100% match
ccsbBroadEn_05753	ccsbBroad304_05753		BC032309	13	AADAC	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	13	AADAC	NM_001086.2	Full Length 99-100% match
ccsbBroadEn_05754	ccsbBroad304_05754		BC031413	18	ABAT	no errors	hORFeome V8.1 Collection	18	ABAT	NM_000663.4; NM_001127448.1; NM_020686.5	Full Length 99-100% match
ccsbBroadEn_05755	ccsbBroad304_05755		BC069595	28	ABO	no errors	hORFeome V8.1 Collection	28	ABO	NM_020469.2	Full Length 99-100% match
ccsbBroadEn_05756	ccsbBroad304_05756		BC014474	30	ACAA1	no errors	hORFeome V8.1 Collection	30	ACAA1	NM_001130410.1	Full Length 99-100% match
ccsbBroadEn_05757	ccsbBroad304_05757		BC025963	35	ACADS	no errors	hORFeome V8.1 Collection	35	ACADS	NM_000017.2	Full Length 99-100% match
ccsbBroadEn_05758	ccsbBroad304_05758		BC013756	36	ACADSB	no errors	hORFeome V8.1 Collection	36	ACADSB	NM_001609.3	Full Length 99-100% match
ccsbBroadEn_05759	ccsbBroad304_05759		BC000408	39	ACAT2	no errors	hORFeome V8.1 Collection	39	ACAT2	NM_005891.2	Full Length 99-100% match
ccsbBroadEn_05760	Failed LR reaction		BC010425	51	ACOX1	no errors	hORFeome V8.1 Collection	51	ACOX1	NM_004035.6	Full Length 99-100% match
ccsbBroadEn_05761	ccsbBroad304_05761		BC008493	55	ACPP	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	55	ACPP	NM_001099.4	Full Length 99-100% match
ccsbBroadEn_05762	ccsbBroad304_05762		BC016344	55	ACPP	no errors	hORFeome V8.1 Collection	55	ACPP	NM_001099.4	Full Length 99-100% match
ccsbBroadEn_05763	ccsbBroad304_05763		BC016045	60	ACTB	no errors	hORFeome V8.1 Collection	60	ACTB	NM_001101.3	Full Length 99-100% match
ccsbBroadEn_05764	ccsbBroad304_05764		BC018774	71	ACTG1	no errors	hORFeome V8.1 Collection	71	ACTG1	NM_001614.2	Full Length 99-100% match
ccsbBroadEn_05765	ccsbBroad304_05765		BC012617	72	ACTG2	early stop codon	hORFeome V8.1 Mutant Subcollection	72	ACTG2	NM_001615.3	Full Length 99-100% match
ccsbBroadEn_05766	ccsbBroad304_05766		BC001391	86	ACTL6A	no errors	hORFeome V8.1 Collection	86	ACTL6A	NM_004301.3	Full Length 99-100% match
ccsbBroadEn_05767	ccsbBroad304_05767		BC033867	90	ACVR1	no errors	hORFeome V8.1 Collection	90	ACVR1	NM_0011105.4; NM_001111067.2	Full Length 99-100% match
ccsbBroadEn_05768	ccsbBroad304_05768		BC069707	92	ACVR2A	no errors	hORFeome V8.1 Collection	92	ACVR2A	NM_001616.3	Full Length 99-100% match
ccsbBroadEn_05769	ccsbBroad304_05769		BC096243	93	ACVR2B	no errors	hORFeome V8.1 Collection	93	ACVR2B	NM_001106.3	Full Length 99-100% match
ccsbBroadEn_05770	ccsbBroad304_05770	454	BC099642	93	ACVR2B	no errors	hORFeome V8.1 Collection	93	ACVR2B	NM_001106.3	Full Length 99-100% match
ccsbBroadEn_05771	ccsbBroad304_05771	454	BC065545	104	ADARB1	no errors	hORFeome V8.1 Collection	104	ADARB1	NM_001112.3	Full Length 99-100% match
ccsbBroadEn_05772	ccsbBroad304_05772	454	BC111743	108	ADCY2	no errors	hORFeome V8.1 Collection	108	ADCY2	NM_020546.2	Full Length 99-100% match
ccsbBroadEn_05773	ccsbBroad304_05773	454	BC136657	115	ADCY9	no errors	hORFeome V8.1 Collection	115	ADCY9	NM_001116.3	Full Length 99-100% match
ccsbBroadEn_05774	ccsbBroad304_05774	454	BC065525	119	ADD2	no errors	hORFeome V8.1 Collection	119	ADD2	NM_001617.3; NM_001185054.1	Full Length 99-100% match
ccsbBroadEn_05775	ccsbBroad304_05775		BC005127	123	PLIN2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	123	PLIN2	NM_001122.2	Full Length 99-100% match
ccsbBroadEn_05776	ccsbBroad304_05776	454	BC033009	125	ADH1B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	125	ADH1B	NM_000668.4	Full Length 99-100% match
ccsbBroadEn_05777	ccsbBroad304_05777		BC066228	126	ADH1C	no errors	hORFeome V8.1 Collection	126	ADH1C	NM_000669.3	Full Length 99-100% match
ccsbBroadEn_05778	ccsbBroad304_05778		BC022319	127	ADH4	no errors	hORFeome V8.1 Collection	127	ADH4	NM_000670.3	Full Length 99-100% match
ccsbBroadEn_05779	ccsbBroad304_05779		BC003568	132	ADK	no errors	hORFeome V8.1 Collection	132	ADK	NM_001123.2	Full Length 99-100% match
ccsbBroadEn_05780	ccsbBroad304_05780	454	BC015961	133	ADM	1 synonymous error	hORFeome V8.1 Collection	133	ADM	NM_001124.1	Full Length 99-100% match
ccsbBroadEn_05781	ccsbBroad304_05781		BC026340	134	ADORA1	no errors	hORFeome V8.1 Collection	134	ADORA1	NM_000674.2; NM_001048230.1	Full Length 99-100% match
ccsbBroadEn_05782	ccsbBroad304_05782		BC013780	135	ADORA2A	no errors	hORFeome V8.1 Collection	135	ADORA2A	NM_000675.4	Full Length 99-100% match
ccsbBroadEn_05783	ccsbBroad304_05783		BC029831	140	ADORA3	no errors	hORFeome V8.1 Collection	140	ADORA3	NM_000677.3	Full Length 99-100% match
ccsbBroadEn_05784	ccsbBroad304_05784		BC063883	141	ADPRH	no errors	hORFeome V8.1 Collection	141	ADPRH	NM_001125.2	Full Length 99-100% match
ccsbBroadEn_05785	ccsbBroad304_05785	454	BC136537	151	ADRA2B	no errors	hORFeome V8.1 Collection	151	ADRA2B	NM_000682.5	Full Length 99-100% match
ccsbBroadEn_05786	ccsbBroad304_05786		BC073856	154	ADRB2	no errors	hORFeome V8.1 Collection	154	ADRB2	NM_000024.5	Full Length 99-100% match
ccsbBroadEn_05787	ccsbBroad304_05787		BC037963	156	ADRBK1	no errors	hORFeome V8.1 Collection	156	ADRBK1	NM_001619.3	Full Length 99-100% match
ccsbBroadEn_05788	ccsbBroad304_05788		BC006155	161	AP2A2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	161	AP2A2	NM_012305.2	Full Length 99-100% match
ccsbBroadEn_05789	ccsbBroad304_05789		BC006201	163	AP2B1	no errors	hORFeome V8.1 Collection	163	AP2B1	NM_001030006.1	Full Length 99-100% match
ccsbBroadEn_05790	ccsbBroad304_05790		BC012392	175	AGA	no errors	hORFeome V8.1 Collection	175	AGA	NM_000027.3	Full Length 99-100% match
ccsbBroadEn_05791	ccsbBroad304_05791		BC011519	183	AGT	no errors	hORFeome V8.1 Collection	183	AGT	NM_000029.3	Full Length 99-100% match



ccsbBroadEn_05792	ccsbBroad304_05792	I	BC022447	185	AGTR1	no errors	hORFeome V8.1 Collection	185	AGTR1	NM_004835.3; NM_009585.3; NM_031850.2; NM_032049.2; NM_000685.4	Full Length 99-100% match
ccsbBroadEn_05793	ccsbBroad304_05793	I	BC068494	185	AGTR1	no errors	hORFeome V8.1 Collection	185	AGTR1	NM_004835.3; NM_009585.3; NM_031850.2; NM_032049.2; NM_000685.4	Full Length 99-100% match
ccsbBroadEn_05794	ccsbBroad304_05794	454	BC132819	189	AGXT	no errors	hORFeome V8.1 Collection	189	AGXT	NM_000030.2	Full Length 99-100% match
ccsbBroadEn_05795	ccsbBroad304_05795	I	BC052590	197	AHSG	no errors	hORFeome V8.1 Collection	197	AHSG	NM_001622.2	Full Length 99-100% match
ccsbBroadEn_05796	ccsbBroad304_05796	I	BC001116	203	AK1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	203	AK1	NM_000476.2	Full Length 99-100% match
ccsbBroadEn_05797	ccsbBroad304_05797	I	BC066944	205	AK4	no errors	hORFeome V8.1 Collection	205; 100507855	AK4; LOC100507855	NM_013410.3; NM_001005353.2; NM_203464.2; XM_003119530.1	Full Length 99-100% match
ccsbBroadEn_05798	ccsbBroad304_05798	I	BC011798	211	ALAS1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	211	ALAS1	NM_000688.4; NM_199166.1	Full Length 99-100% match
ccsbBroadEn_05799	ccsbBroad304_05799	I	BC030230	212	ALAS2	no errors	hORFeome V8.1 Collection	212	ALAS2	NM_001037967.3	Full Length 99-100% match
ccsbBroadEn_05800	ccsbBroad304_05800	454	BC137096	214	ALCAM	1 synonomous error	hORFeome V8.1 Collection	214	ALCAM	NM_001627.2	Full Length 99-100% match
ccsbBroadEn_05801	ccsbBroad304_05801	I	BC004370,BC021194	218	ALDH3A1	no errors	hORFeome V8.1 Collection	218	ALDH3A1	NM_000691.4; NM_001135167.1; NM_001135168.1	Full Length 99-100% match
ccsbBroadEn_05802	ccsbBroad304_05802	I	BC001619	219	ALDH1B1	no errors	hORFeome V8.1 Collection	219	ALDH1B1	NM_000692.3	Full Length 99-100% match
ccsbBroadEn_05803	ccsbBroad304_05803	I	BC007685	222	ALDH3B2	no errors	hORFeome V8.1 Collection	222	ALDH3B2	NM_000695.3; NM_001031615.1	Full Length 99-100% match
ccsbBroadEn_05804	ccsbBroad304_05804	I	BC018538	241	ALOX5AP	no errors	hORFeome V8.1 Collection	241	ALOX5AP	NM_001629.2	Full Length 99-100% match
ccsbBroadEn_05805	ccsbBroad304_05805	454	BC029032	246	ALOX15	no errors	hORFeome V8.1 Collection	246	ALOX15	NM_001140.3	Full Length 99-100% match
ccsbBroadEn_05806	ccsbBroad304_05806	I	BC035217	247	ALOX15B	no errors	hORFeome V8.1 Collection	247	ALOX15B	NM_001141.2	Full Length 99-100% match
ccsbBroadEn_05807	ccsbBroad304_05807	I	BC110909,BC126165	249	ALPL	no errors	hORFeome V8.1 Collection	249	ALPL	NM_000478.4	Full Length 99-100% match
ccsbBroadEn_05808	ccsbBroad304_05808	I	BC009647	250	ALPP	no errors	hORFeome V8.1 Collection	250	ALPP	NM_001632.3	Full Length 99-100% match
ccsbBroadEn_05809	ccsbBroad304_05809	454	BC014139	251	ALPPL2	1 synonomous error	hORFeome V8.1 Collection	251	ALPPL2	NM_031313.2	Full Length 99-100% match
ccsbBroadEn_05810	ccsbBroad304_05810	I	BC106931	258	AMBN	no errors	hORFeome V8.1 Collection	258	AMBN	NM_016519.4	Full Length 99-100% match
ccsbBroadEn_05811	ccsbBroad304_05811	I	BC034376	273	AMPH	no errors	hORFeome V8.1 Collection	273	AMPH	NM_001635.3	Full Length 99-100% match
ccsbBroadEn_05812	ccsbBroad304_05812	I	BC011179	280	AMY2B	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	280	AMY2B	NM_020978.3	Full Length 99-100% match
ccsbBroadEn_05813	ccsbBroad304_05813	I	BC020861	280	AMY2B	no errors	hORFeome V8.1 Collection	280	AMY2B	NM_020978.3	Full Length 99-100% match
ccsbBroadEn_05814	ccsbBroad304_05814	I	BC062698	283	ANG	no errors	hORFeome V8.1 Collection	283	ANG	NM_001145.4; NM_001097577.2	Full Length 99-100% match
ccsbBroadEn_05815	ccsbBroad304_05815	I	BC126200,BC126202	285	ANGPT2	no errors	hORFeome V8.1 Collection	285	ANGPT2	NM_001147.2	Full Length 99-100% match
ccsbBroadEn_05816	ccsbBroad304_05816	I	BC030957	286	ANK1	no errors	hORFeome V8.1 Collection	286	ANK1	NM_020478.4	Full Length 99-100% match
ccsbBroadEn_05817	ccsbBroad304_05817	454	BC058928	290	ANPEP	2 synonomous errors	hORFeome V8.1 Mutant Subcollection	290	ANPEP	NM_001150.2	Full Length 99-100% match
ccsbBroadEn_05818	ccsbBroad304_05818	I	BC056160	292	SLC25A5	no errors	hORFeome V8.1 Collection	292	SLC25A5	NM_001152.4	Full Length 99-100% match
ccsbBroadEn_05819	ccsbBroad304_05819	I	BC031912	293	SLC25A6	no errors	hORFeome V8.1 Collection	293	SLC25A6	NM_001636.3	Full Length 99-100% match
ccsbBroadEn_05820	ccsbBroad304_05820	I	BC014775	293	SLC25A6	no errors	hORFeome V8.1 Collection	293	SLC25A6	NM_001636.3	Full Length 99-100% match
ccsbBroadEn_05821	ccsbBroad304_05821	I	BC001275	301	ANXA1	no errors	hORFeome V8.1 Collection	301	ANXA1	NM_000700.1	Full Length 99-100% match
ccsbBroadEn_05822	ccsbBroad304_05822	I	BC035993	301	ANXA1	no errors	hORFeome V8.1 Collection	301	ANXA1	NM_000700.1	Full Length 99-100% match
ccsbBroadEn_05823	ccsbBroad304_05823	I	BC009564	302	ANXA2	no errors	hORFeome V8.1 Collection	302	ANXA2	NM_001002857.1; NM_004039.2; NM_001136015.2	Full Length 99-100% match
ccsbBroadEn_05824	ccsbBroad304_05824	I	BC023990	302	ANXA2	no errors	hORFeome V8.1 Collection	302	ANXA2	NM_001002857.1; NM_004039.2; NM_001136015.2	Full Length 99-100% match
ccsbBroadEn_05825	ccsbBroad304_05825	I	BC052567	302	ANXA2	no errors	hORFeome V8.1 Collection	302	ANXA2	NM_001002857.1; NM_004039.2; NM_001136015.2	Full Length 99-100% match
ccsbBroadEn_05826	ccsbBroad304_05826	I	BC018671	308	ANXA5	no errors	hORFeome V8.1 Collection	308	ANXA5	NM_001154.3	Full Length 99-100% match
ccsbBroadEn_05827	ccsbBroad304_05827	I	BC125158	312	ANXA13	no errors	hORFeome V8.1 Collection	312	ANXA13	NM_004306.2	Full Length 99-100% match
ccsbBroadEn_05828	ccsbBroad304_05828	I	BC025698	313	AOAH	no errors	hORFeome V8.1 Collection	313	AOAH	NM_001637.3	Full Length 99-100% match
ccsbBroadEn_05829	ccsbBroad304_05829	454	BC142641	314	AOC2	1 synonomous error	hORFeome V8.1 Collection	314	AOC2	NM_009590.2	Full Length 99-100% match
ccsbBroadEn_05830	ccsbBroad304_05830	454	BC082986	321	APBA2	no errors	hORFeome V8.1 Collection	321	APBA2	NM_001130414.1	Full Length 99-100% match
ccsbBroadEn_05831	ccsbBroad304_05831	I	BC007039,BC007058	325	APCS	no errors	hORFeome V8.1 Collection	325	APCS	NM_001639.3	Full Length 99-100% match
ccsbBroadEn_05832	ccsbBroad304_05832	454	BC137268	326	AIRE	no errors	hORFeome V8.1 Collection	326	AIRE	NM_000658.2	Full Length 99-100% match
ccsbBroadEn_05833	ccsbBroad304_05833	I	BC000362	327	APEH	no errors	hORFeome V8.1 Collection	327	APEH	NM_001640.3	Full Length 99-100% match
ccsbBroadEn_05834	ccsbBroad304_05834	I	BC002338,BC019291	328	APEX1	no errors	hORFeome V8.1 Collection	328	APEX1	NM_080649.1; NM_080648.1	Full Length 99-100% match
ccsbBroadEn_05835	ccsbBroad304_05835	I	BC032729	331	XIAP	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	331	XIAP	NM_001167.2	Full Length 99-100% match
ccsbBroadEn_05836	ccsbBroad304_05836	I	BC008718,BC065497	332	BIRC5	no errors	hORFeome V8.1 Collection	332	BIRC5	NM_001168.2	Full Length 99-100% match
ccsbBroadEn_05837	ccsbBroad304_05837	I	BC009698,BC055093	341	APOC1	early stop codon	hORFeome V8.1 Mutant Subcollection	341	APOC1	NM_001645.3	Full Length 99-100% match
ccsbBroadEn_05838	ccsbBroad304_05838	I	BC005348	344	APOC2	no errors	hORFeome V8.1 Collection	344	APOC2	NM_000483.3	Full Length 99-100% match
ccsbBroadEn_05839	ccsbBroad304_05839	I	BC121081	345	APOC3	no errors	hORFeome V8.1 Collection	345	APOC3	NM_000040.1	Full Length 99-100% match
ccsbBroadEn_05840	ccsbBroad304_05840	I	BC005307	354	KLK3	no errors	hORFeome V8.1 Collection	354	KLK3	NM_001648.2	Full Length 99-100% match
ccsbBroadEn_05841	ccsbBroad304_05841	I	BC022486	358	AQP1	no errors	hORFeome V8.1 Collection	358	AQP1	NM_198098.2	Full Length 99-100% match
ccsbBroadEn_05842	ccsbBroad304_05842	454	BC042496	359	AQP2	no errors	hORFeome V8.1 Collection	359	AQP2	NM_000486.5	Full Length 99-100% match
ccsbBroadEn_05843	ccsbBroad304_05843	I	BC026258	366	AQP9	no errors	hORFeome V8.1 Collection	366	AQP9	NM_020980.3	Full Length 99-100% match
ccsbBroadEn_05844	ccsbBroad304_05844	454	BC093636	372	ARCN1	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	372	ARCN1	NM_001655.4	Full Length 99-100% match
ccsbBroadEn_05845	ccsbBroad304_05845	I	BC000043	379	ARL4D	1 synonomous error	hORFeome V8.1 Collection	379	ARL4D	NM_001661.3	Full Length 99-100% match
ccsbBroadEn_05846	ccsbBroad304_05846	I	BC005976	387	RHOA	no errors	hORFeome V8.1 Collection	387	RHOA	NM_001664.2	Full Length 99-100% match
ccsbBroadEn_05847	ccsbBroad304_05847	I	BC104178	391	RHOG	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	391	RHOG	NM_001665.3	Full Length 99-100% match
ccsbBroadEn_05848	ccsbBroad304_05848	454	BC150635	395	ARHGAP6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	395	ARHGAP6	NM_013427.2	Full Length 99-100% match
ccsbBroadEn_05849	ccsbBroad304_05849	I	BC007000	400	ARL1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	400	ARL1	NM_001177.3	Full Length 99-100% match
ccsbBroadEn_05850	ccsbBroad304_05850	I	BC007427,BC067368	409	ARRB2	no errors	hORFeome V8.1 Collection	409	ARRB2	NM_004313.3	Full Length 99-100% match
ccsbBroadEn_05851	ccsbBroad304_05851	454	BC075030	412	STS	1 synonomous error	hORFeome V8.1 Collection	412	STS	NM_000351.4	Full Length 99-100% match
ccsbBroadEn_05852	ccsbBroad304_05852	I	BC130438	415	ARSE	no errors	hORFeome V8.1 Collection	415	ARSE	NM_000047.2	Full Length 99-100% match
ccsbBroadEn_05853	ccsbBroad304_05853	I	BC022389	416	ARSF	no errors	hORFeome V8.1 Collection	416	ARSF	NM_004042.3	Full Length 99-100% match
ccsbBroadEn_05854	ccsbBroad304_05854	I	BC008397	419	ART3	no errors	hORFeome V8.1 Collection	419	ART3	NM_001130016.1	Full Length 99-100% match
ccsbBroadEn_05855	ccsbBroad304_05855	454	BC074727	420	ART4	no errors	hORFeome V8.1 Collection	420	ART4	NM_021071.2	Full Length 99-100% match
ccsbBroadEn_05856	ccsbBroad304_05856	I	BC016828	427	ASAH1	1 synonomous error	hORFeome V8.1 Collection	427	ASAH1	NM_001127505.1	Full Length 99-100% match
ccsbBroadEn_05857	ccsbBroad304_05857	I	BC016481	427	ASAH1	no errors	hORFeome V8.1 Collection	427	ASAH1	NM_177924.3	Full Length 99-100% match
ccsbBroadEn_05858	ccsbBroad304_05858	I	BC008195	435	ASL	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	435	ASL	NM_000048.3; NM_001024943.1	Full Length 99-100% match
ccsbBroadEn_05859	ccsbBroad304_05859	I	BC001620	438	ASMT	no errors	hORFeome V8.1 Collection	438	ASMT	NM_001171039.1	Full Length 99-100% match



ccsbBroadEn_05860	ccsbBroad304_05860	I	BC008723	440	ASNS	no errors	hORFeome V8.1 Collection	440	ASNS	NM_001673.4; NM_183356.3; NM_133436.3	Full Length 99-100% match
ccsbBroadEn_05861	ccsbBroad304_05861	I	BC009243	445	ASS1	no errors	hORFeome V8.1 Collection	445	ASS1	NM_000050.4; NM_054012.3	Full Length 99-100% match
ccsbBroadEn_05862	ccsbBroad304_05862	I	BC029619	466	ATF1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	466	ATF1	NM_005171.4 NM_001674.2;	Full Length 99-100% match
ccsbBroadEn_05863	ccsbBroad304_05863	I	BC006322	467	ATF3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	467	ATF3	NM_001030287.2	Full Length 99-100% match
ccsbBroadEn_05864	ccsbBroad304_05864	I	BC052271	477	ATP1A2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	477	ATP1A2	NM_000702.3	Full Length 99-100% match
ccsbBroadEn_05865	ccsbBroad304_05865	I	BC009282,BC015566	478	ATP1A3	no errors	hORFeome V8.1 Collection	478	ATP1A3	NM_152296.3	Full Length 99-100% match
ccsbBroadEn_05866	ccsbBroad304_05866	I	BC031609	479	ATP12A	no errors	hORFeome V8.1 Collection	479	ATP12A	NM_001185085.1	Full Length 99-100% match
ccsbBroadEn_05867	ccsbBroad304_05867	I	BC029059	496	ATP4B	no errors	hORFeome V8.1 Collection	496	ATP4B	NM_000705.3 NM_001001973.1;	Full Length 99-100% match
ccsbBroadEn_05868	ccsbBroad304_05868	I	BC016812	509	ATP5C1	no errors	hORFeome V8.1 Collection	509	ATP5C1	NM_005174.2	Full Length 99-100% match
ccsbBroadEn_05869	ccsbBroad304_05869	I	BC005366	515	ATP5F1	no errors	hORFeome V8.1 Collection	515	ATP5F1	NM_001688.4	Full Length 99-100% match
ccsbBroadEn_05870	ccsbBroad304_05870	I	BC004963	516	ATP5G1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	516	ATP5G1	NM_001002027.1; NM_005175.2	Full Length 99-100% match
ccsbBroadEn_05871	ccsbBroad304_05871	I	BC066310	522	ATP5J	no errors	hORFeome V8.1 Collection	522	ATP5J	NM_001003696.1; NM_001003697.1; NM_001003703.1;	Full Length 99-100% match
ccsbBroadEn_05872	ccsbBroad304_05872	I	BC063411	525	ATP6V1B1	no errors	hORFeome V8.1 Collection	525	ATP6V1B1	NM_001692.3	Full Length 99-100% match
ccsbBroadEn_05873	ccsbBroad304_05873	I	BC030640	526	ATP6V1B2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	526	ATP6V1B2	NM_001693.3	Full Length 99-100% match
ccsbBroadEn_05874	ccsbBroad304_05874	I	BC033646	550	AUP1	no errors	hORFeome V8.1 Collection	550	AUP1	NM_181575.3	Full Length 99-100% match
ccsbBroadEn_05875	ccsbBroad304_05875	454	BC101484	554	AVPR2	no errors	hORFeome V8.1 Collection	554	AVPR2	NM_000054.4	Full Length 99-100% match
ccsbBroadEn_05876	ccsbBroad304_05876	I	BC033830	563	AZGP1	no errors	hORFeome V8.1 Collection	563	AZGP1	NM_001185.3	Full Length 99-100% match
ccsbBroadEn_05877	ccsbBroad304_05877	I	BC009567	570	BAAT	no errors	hORFeome V8.1 Collection	570	BAAT	NM_001701.3; NM_001127610.1	Full Length 99-100% match
ccsbBroadEn_05878	ccsbBroad304_05878	I	BC027624	585	BBS4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	585	BBS4	NM_033028.3	Full Length 99-100% match
ccsbBroadEn_05879	ccsbBroad304_05879	454	BC007878,BC023983	593	BCKDHA	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	593	BCKDHA	NM_000709.3	Full Length 99-100% match
ccsbBroadEn_05880	ccsbBroad304_05880	I	BC023620	595	CCND1	no errors	hORFeome V8.1 Collection	595	CCND1	NM_053056.2	Full Length 99-100% match
ccsbBroadEn_05881	ccsbBroad304_05881	I	BC113522	599	BCL2L2	no errors	hORFeome V8.1 Collection	599	BCL2L2	NM_004050.3	Full Length 99-100% match
ccsbBroadEn_05882	ccsbBroad304_05882	454	BC142705	604	BCL6	no errors	hORFeome V8.1 Collection	604	BCL6	NM_001130845.1; NM_001706.4	Full Length 99-100% match
ccsbBroadEn_05883	ccsbBroad304_05883	454	BC094723	605	BCL7A	no errors	hORFeome V8.1 Collection	605	BCL7A	NM_001024808.1	Full Length 99-100% match
ccsbBroadEn_05884	ccsbBroad304_05884	454	BC058291	608	TNFRSF17	no errors	hORFeome V8.1 Collection	608	TNFRSF17	NM_001192.2	Full Length 99-100% match
ccsbBroadEn_05885	ccsbBroad304_05885	I	BC034705	623	BDKRB1	no errors	hORFeome V8.1 Collection	623	BDKRB1	NM_000710.2	Full Length 99-100% match
ccsbBroadEn_05886	ccsbBroad304_05886	I	BC029795	627	BDNF	no errors	hORFeome V8.1 Collection	627	BDNF	NM_170732.4; NM_170733.3; NM_001709.4; NM_170735.5; NM_001143805.1; NM_001143806.1; NM_001143807.1; NM_001143808.1; NM_001143811.1; NM_001143812.1; NM_001143813.1; NM_001143814.1;	Full Length 99-100% match
ccsbBroadEn_05887	ccsbBroad304_05887	I	BC004143,BC007990	629	CFB	no errors	hORFeome V8.1 Collection	629	CFB	NM_001143816.1	Full Length 99-100% match
ccsbBroadEn_05888	ccsbBroad304_05888	I	BC041483	631	BFSP1	no errors	hORFeome V8.1 Collection	631	BFSP1	NM_001710.5	Full Length 99-100% match
ccsbBroadEn_05889	ccsbBroad304_05889	I	BC002416,BC004244	633	BGN	no errors	hORFeome V8.1 Collection	633	BGN	NM_001161705.1	Full Length 99-100% match
ccsbBroadEn_05890	ccsbBroad304_05890	I	BC012616	635	BHMT	1 synonomous error	hORFeome V8.1 Collection	635	BHMT	NM_001711.4 NM_001713.2	Full Length 99-100% match
ccsbBroadEn_05891	ccsbBroad304_05891	I	BC009197,BC033634	637	BID	1 synonomous error	hORFeome V8.1 Collection	637	BID	NM_001712.2	Full Length 99-100% match
ccsbBroadEn_05892	ccsbBroad304_05892	I	BC007371	640	BLK	no errors	hORFeome V8.1 Collection	640	BLK	NM_001196.2 NM_001715.2	Full Length 99-100% match
ccsbBroadEn_05893	ccsbBroad304_05893	454	BC115030	641	BLM	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	641	BLM	NM_000057.2	Full Length 99-100% match
ccsbBroadEn_05894	ccsbBroad304_05894	I	BC008456	644	BLVRA	no errors	hORFeome V8.1 Collection	644	BLVRA	NM_000712.3	Full Length 99-100% match
ccsbBroadEn_05895	ccsbBroad304_05895	I	BC005902	644	BLVRA	no errors	hORFeome V8.1 Collection	644	BLVRA	NM_000712.3	Full Length 99-100% match
ccsbBroadEn_05896	ccsbBroad304_05896	454	BC109371	645	BLVRB	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	645	BLVRB	NM_000713.2	Full Length 99-100% match
ccsbBroadEn_05897	ccsbBroad304_05897	454	BC142953	649	BMP1	no errors	hORFeome V8.1 Collection	649	BMP1	NM_006129.4	Full Length 99-100% match
ccsbBroadEn_05898	ccsbBroad304_05898	I	BC096269	651	BMP3	no errors	hORFeome V8.1 Collection	651	BMP3	NM_001201.2	Full Length 99-100% match
ccsbBroadEn_05899	ccsbBroad304_05899	I	BC020546	652	BMP4	no errors	hORFeome V8.1 Collection	652	BMP4	NM_001202.3; NM_130850.2; NM_130851.2	Full Length 99-100% match
ccsbBroadEn_05900	ccsbBroad304_05900	I	BC016652	660	BMX	1 synonomous error	hORFeome V8.1 Collection	660	BMX	NM_203281.2; NM_001721.6	Full Length 99-100% match
ccsbBroadEn_05901	ccsbBroad304_05901	I	BC002603,BC004484	661	POLR3D	no errors	hORFeome V8.1 Collection	661	POLR3D	NM_001722.2	Full Length 99-100% match
ccsbBroadEn_05902	ccsbBroad304_05902	I	BC021989	664	BNIP3	no errors	hORFeome V8.1 Collection	664	BNIP3	NM_004052.2	Full Length 99-100% match
ccsbBroadEn_05903	ccsbBroad304_05903	I	BC040955	671	BPI	no errors	hORFeome V8.1 Collection	671	BPI	NM_001725.2	Full Length 99-100% match
ccsbBroadEn_05904	ccsbBroad304_05904	I	BC009040	682	BSG	no errors	hORFeome V8.1 Collection	682	BSG	NM_198589.1	Full Length 99-100% match
ccsbBroadEn_05905	ccsbBroad304_05905	454	BC012095	683	BST1	no errors	hORFeome V8.1 Collection	683	BST1	NM_004334.2	Full Length 99-100% match
ccsbBroadEn_05906	ccsbBroad304_05906	I	BC011618	685	BTC	no errors	hORFeome V8.1 Collection	685	BTC	NM_001729.2	Full Length 99-100% match
ccsbBroadEn_05907	ccsbBroad304_05907	I	BC018739	701	BUB1B	no errors	hORFeome V8.1 Collection	701	BUB1B	NM_001211.5	Full Length 99-100% match
ccsbBroadEn_05908	ccsbBroad304_05908	I	BC001110	706	TSPO	no errors	hORFeome V8.1 Collection	706	TSPO	NM_000714.4	Full Length 99-100% match
ccsbBroadEn_05909	ccsbBroad304_05909	I	BC000435,BC013731	708	C1QBP	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	708	C1QBP	NM_001212.3	Full Length 99-100% match
ccsbBroadEn_05910	ccsbBroad304_05910	I	BC011171	710	SERPING1	no errors	hORFeome V8.1 Collection	710	SERPING1	NM_000062.2; NM_001032295.1	Full Length 99-100% match
ccsbBroadEn_05911	ccsbBroad304_05911	I	BC030153	712	C1QA	no errors	hORFeome V8.1 Collection	712	C1QA	NM_015991.2	Full Length 99-100% match
ccsbBroadEn_05912	ccsbBroad304_05912	I	BC009016	714	C1QC	no errors	hORFeome V8.1 Collection	714	C1QC	NM_001114101.1; NM_172369.3	Full Length 99-100% match
ccsbBroadEn_05913	ccsbBroad304_05913	I	BC035723	729	C6	no errors	hORFeome V8.1 Collection	729	C6	NM_001115131.1; NM_000065.2	Full Length 99-100% match
ccsbBroadEn_05914	ccsbBroad304_05914	I	BC132911	731	C8A	no errors	hORFeome V8.1 Collection	731	C8A	NM_000562.2	Full Length 99-100% match
ccsbBroadEn_05915	ccsbBroad304_05915	I	BC130575	732	C8B	no errors	hORFeome V8.1 Collection	732	C8B	NM_000066.2	Full Length 99-100% match
ccsbBroadEn_05916	ccsbBroad304_05916	I	BC113626	733	C8G	no errors	hORFeome V8.1 Collection	733	C8G	NM_000606.2	Full Length 99-100% match
ccsbBroadEn_05917	ccsbBroad304_05917	454	BC113624	733	C8G	no errors	hORFeome V8.1 Collection	733	C8G	NM_000606.2	Full Length 99-100% match
ccsbBroadEn_05918	ccsbBroad304_05918	454	BC052240	741	ZNHIT2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	741	ZNHIT2	NM_014205.2	Full Length 99-100% match
ccsbBroadEn_05919	ccsbBroad304_05919	I	BC011949	760	CA2	4 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	760	CA2	NM_000067.2	Full Length 99-100% match
ccsbBroadEn_05920	ccsbBroad304_05920	I	BC004897	761	CA3	no errors	hORFeome V8.1 Collection	761	CA3	NM_005181.3	Full Length 99-100% match
ccsbBroadEn_05921	ccsbBroad304_05921	454	BC137405	763	CA5A	no errors	hORFeome V8.1 Collection	763	CA5A	NM_001739.1	Full Length 99-100% match
ccsbBroadEn_05922	ccsbBroad304_05922	I	BC014950	768	CA9	no errors	hORFeome V8.1 Collection	768	CA9	NM_001216.2	Full Length 99-100% match
ccsbBroadEn_05923	ccsbBroad304_05923	I	BC070070	780	DDR1	no errors	hORFeome V8.1 Collection	780	DDR1	NM_001954.4	Full Length 99-100% match



ccsbBroadEn_05924	ccsbBroad304_05924	454	BC136409	783	CACNB2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	783	CACNB2	NM_201596.2	Full Length 99-100% match
ccsbBroadEn_05925	ccsbBroad304_05925	454	BC041811	784	CACNB3	no errors	hORFeome V8.1 Collection	784	CACNB3	NM_000725.2	Full Length 99-100% match
ccsbBroadEn_05926	ccsbBroad304_05926	454	BC069493	786	CACNG1	no errors	hORFeome V8.1 Collection	786	CACNG1	NM_000727.3	Full Length 99-100% match
ccsbBroadEn_05927	ccsbBroad304_05927		BC000454,BC047523	801	CALM1	1 synonomous error	hORFeome V8.1 Collection	801	CALM1	NM_006888.4;	Full Length 99-100% match
ccsbBroadEn_05928	ccsbBroad304_05928		BC008437	805	CALM2	no errors	hORFeome V8.1 Collection	805	CALM2	NM_001166106.1	Full Length 99-100% match
ccsbBroadEn_05929	ccsbBroad304_05929		BC016695,BC025687	814	CAMK4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	814	CAMK4	NM_001743.4	Full Length 99-100% match
ccsbBroadEn_05930	ccsbBroad304_05930		BC032784	817	CAMK2D	1 synonomous error	hORFeome V8.1 Collection	817	CAMK2D	NM_172127.2;	Full Length 99-100% match
ccsbBroadEn_05931	ccsbBroad304_05931		BC014549	822	CAPG	no errors	hORFeome V8.1 Collection	822	CAPG	NM_172115.2	Full Length 99-100% match
ccsbBroadEn_05932	ccsbBroad304_05932		BC000728	822	CAPG	no errors	hORFeome V8.1 Collection	822	CAPG	NM_001747.2	Full Length 99-100% match
ccsbBroadEn_05933	ccsbBroad304_05933		BC021303	824	CAPN2	no errors	hORFeome V8.1 Collection	824	CAPN2	NM_001747.2	Full Length 99-100% match
ccsbBroadEn_05934	ccsbBroad304_05934	454	BC080599	828	CAPS	no errors	hORFeome V8.1 Collection	828	CAPS	NM_001748.4	Full Length 99-100% match
ccsbBroadEn_05935	ccsbBroad304_05935		BC005338	830	CAPZA2	no errors	hORFeome V8.1 Collection	830	CAPZA2	NM_004058.3	Full Length 99-100% match
ccsbBroadEn_05936	ccsbBroad304_05936		BC002427	835	CASP2	no errors	hORFeome V8.1 Collection	835	CASP2	NM_006136.2	Full Length 99-100% match
ccsbBroadEn_05937	ccsbBroad304_05937		BC015799	840	CASP7	no errors	hORFeome V8.1 Collection	840	CASP7	NM_032982.2	Full Length 99-100% match
ccsbBroadEn_05938	ccsbBroad304_05938		BC022288	845	CASQ2	no errors	hORFeome V8.1 Collection	845	CASQ2	NM_033339.3;	Full Length 99-100% match
ccsbBroadEn_05939	ccsbBroad304_05939		BC032851	868	CBLB	no errors	hORFeome V8.1 Collection	868	CBLB	NM_001227.3	Full Length 99-100% match
ccsbBroadEn_05940	ccsbBroad304_05940		BC014623,BC036298	871	SERPINH1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	871	SERPINH1	NM_001232.3	Full Length 99-100% match
ccsbBroadEn_05941	ccsbBroad304_05941		BC002812	874	CBR3	no errors	hORFeome V8.1 Collection	874	CBR3	NM_170662.3	Full Length 99-100% match
ccsbBroadEn_05942	ccsbBroad304_05942		BC007257	875	CBS	no errors	hORFeome V8.1 Collection	875	CBS	NM_000071.2;	Full Length 99-100% match
ccsbBroadEn_05943	ccsbBroad304_05943		BC010242,BC011381	875	CBS	no errors	hORFeome V8.1 Collection	875	CBS	NM_001178008.1;	Full Length 99-100% match
ccsbBroadEn_05944	ccsbBroad304_05944		BC033685	883	CCBL1	no errors	hORFeome V8.1 Collection	883	CCBL1	NM_001178009.1	Full Length 99-100% match
ccsbBroadEn_05945	ccsbBroad304_05945		BC000740	887	CCKBR	no errors	hORFeome V8.1 Collection	887	CCKBR	NM_000071.2;	Full Length 99-100% match
ccsbBroadEn_05946	ccsbBroad304_05946	454	BC104783	890	CCNA2	early stop codon	hORFeome V8.1 Mutant Subcollection	890	CCNA2	NM_001178008.1;	Full Length 99-100% match
ccsbBroadEn_05947	ccsbBroad304_05947		BC010135	892	CCNC	no errors	hORFeome V8.1 Collection	892	CCNC	NM_001178009.1	Full Length 99-100% match
ccsbBroadEn_05948	ccsbBroad304_05948		BC010958	894	CCND2	no errors	hORFeome V8.1 Collection	894	CCND2	NM_0012267.1	Full Length 99-100% match
ccsbBroadEn_05949	ccsbBroad304_05949		BC007093	900	CCNG1	no errors	hORFeome V8.1 Collection	900	CCNG1	NM_176875.2	Full Length 99-100% match
ccsbBroadEn_05950	ccsbBroad304_05950		BC016705	902	CCNH	no errors	hORFeome V8.1 Collection	902	CCNH	NM_001237.3	Full Length 99-100% match
ccsbBroadEn_05951	ccsbBroad304_05951		BC022351	902	CCNH	no errors	hORFeome V8.1 Collection	902	CCNH	NM_004060.3;	Full Length 99-100% match
ccsbBroadEn_05952	ccsbBroad304_05952		BC033583	914	CD2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	914	CD2	NM_199246.1	Full Length 99-100% match
ccsbBroadEn_05953	ccsbBroad304_05953		BC049847	916	CD3E	no errors	hORFeome V8.1 Collection	916	CD3E	NM_001239.3	Full Length 99-100% match
ccsbBroadEn_05954	ccsbBroad304_05954		BC025782	920	CD4	no errors	hORFeome V8.1 Collection	920	CD4	NM_001767.3	Full Length 99-100% match
ccsbBroadEn_05955	ccsbBroad304_05955		BC078669	923	CD6	no errors	hORFeome V8.1 Collection	923	CD6	NM_000733.3	Full Length 99-100% match
ccsbBroadEn_05956	ccsbBroad304_05956		BC100913	926	CD8B	no errors	hORFeome V8.1 Collection	926	CD8B	NM_000616.4	Full Length 99-100% match
ccsbBroadEn_05957	ccsbBroad304_05957		BC011988	928	CD9	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	928	CD9	NM_006725.3	Full Length 99-100% match
ccsbBroadEn_05958	ccsbBroad304_05958		BC040261	942	CD86	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	942	CD86	NM_172213.3	Full Length 99-100% match
ccsbBroadEn_05959	ccsbBroad304_05959		BC028152	945	CD33	no errors	hORFeome V8.1 Collection	945	CD33	NM_001769.2	Full Length 99-100% match
ccsbBroadEn_05960	ccsbBroad304_05960		BC035359	946	SIGLEC6	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	946	SIGLEC6	NM_175862.3	Full Length 99-100% match
ccsbBroadEn_05961	ccsbBroad304_05961		BC008406	948	CD36	no errors	hORFeome V8.1 Collection	948	CD36	NM_001772.3	Full Length 99-100% match
ccsbBroadEn_05962	ccsbBroad304_05962		BC035738	954	ENTPD2	no errors	hORFeome V8.1 Collection	954	ENTPD2	NM_00127444.1;	Full Length 99-100% match
ccsbBroadEn_05963	ccsbBroad304_05963		BC004372	960	CD44	no errors	hORFeome V8.1 Collection	960	CD44	NM_000072.3;	Full Length 99-100% match
ccsbBroadEn_05964	ccsbBroad304_05964		BC002349,BC013017	967	CD63	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	967	CD63	NM_001127443.1;	Full Length 99-100% match
ccsbBroadEn_05965	ccsbBroad304_05965		BC000725	970	CD70	1 synonomous error	hORFeome V8.1 Collection	970	CD70	NM_001001548.2;	Full Length 99-100% match
ccsbBroadEn_05966	Failed LR reaction		BC002975,BC032651	974	CD79B	no errors	hORFeome V8.1 Collection	974	CD79B	NM_001001547.2	Full Length 99-100% match
ccsbBroadEn_05967	ccsbBroad304_05967		BC001374,BC013302	977	CD151	no errors	hORFeome V8.1 Collection	977	CD151	NM_000626.2	Full Length 99-100% match
ccsbBroadEn_05968	Failed LR reaction		BC054036	978	CDA	no errors	hORFeome V8.1 Collection	978	CDA	NM_139029.1;	Full Length 99-100% match
ccsbBroadEn_05969	ccsbBroad304_05969		BC001568	988	CDC5L	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	988	CDC5L	NM_004357.4;	Full Length 99-100% match
ccsbBroadEn_05970	ccsbBroad304_05970		BC010044,BC015998	991	CDC20	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	991	CDC20	NM_001039490.1;	Full Length 99-100% match
ccsbBroadEn_05971	ccsbBroad304_05971		BC000624	991	CDC20	no errors	hORFeome V8.1 Collection	991	CDC20	NM_139030.3	Full Length 99-100% match
ccsbBroadEn_05972	ccsbBroad304_05972		BC019089	995	CDC25C	no errors	hORFeome V8.1 Collection	995	CDC25C	NM_001785.2	Full Length 99-100% match
ccsbBroadEn_05973	ccsbBroad304_05973		BC011656	996	CDC27	no errors	hORFeome V8.1 Collection	996	CDC27	NM_001253.2	Full Length 99-100% match
ccsbBroadEn_05974	ccsbBroad304_05974		BC113416	1006	CDH8	no errors	hORFeome V8.1 Collection	1006	CDH8	NM_001255.2	Full Length 99-100% match
ccsbBroadEn_05975	ccsbBroad304_05975		BC113745	1007	CDH9	no errors	hORFeome V8.1 Collection	1007	CDH9	NM_001255.2	Full Length 99-100% match
ccsbBroadEn_05976	ccsbBroad304_05976		BC028624,BC030653	1012	CDH13	no errors	hORFeome V8.1 Collection	1012	CDH13	NM_001790.3	Full Length 99-100% match
ccsbBroadEn_05977	ccsbBroad304_05977		BC113464	1015	CDH17	no errors	hORFeome V8.1 Collection	1015	CDH17	NM_00114091.1	Full Length 99-100% match
ccsbBroadEn_05978	ccsbBroad304_05978		BC031051	1016	CDH18	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1016	CDH18	NM_001796.2	Full Length 99-100% match
ccsbBroadEn_05979	ccsbBroad304_05979		BC001968	1025	CDK9	no errors	hORFeome V8.1 Collection	1025	CDK9	NM_016279.3	Full Length 99-100% match
ccsbBroadEn_05980	ccsbBroad304_05980		BC001971	1027	CDKN1B	no errors	hORFeome V8.1 Collection	1027	CDKN1B	NM_002125.3	Full Length 99-100% match
ccsbBroadEn_05981	ccsbBroad304_05981		BC024241	1036	CDO1	no errors	hORFeome V8.1 Collection	1036	CDO1	NM_004064.3	Full Length 99-100% match
ccsbBroadEn_05982	ccsbBroad304_05982		BC014461	1045	CDX2	no errors	hORFeome V8.1 Collection	1045	CDX2	NM_001801.2	Full Length 99-100% match
ccsbBroadEn_05983	ccsbBroad304_05983		BC005334,BC013873	1069	CETN2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1069	CETN2	NM_001265.3	Full Length 99-100% match
ccsbBroadEn_05984	ccsbBroad304_05984		BC025739	1071	CETP	no errors	hORFeome V8.1 Collection	1071	CETP	NM_004344.1	Full Length 99-100% match
ccsbBroadEn_05985	ccsbBroad304_05985		BC011005,BC012318	1072	CFL1	no errors	hORFeome V8.1 Collection	1072	CFL1	NM_000078.2	Full Length 99-100% match
ccsbBroadEn_05986	ccsbBroad304_05986		BC010957	1081	CGA	no errors	hORFeome V8.1 Collection	1081	CGA	NM_005507.2	Full Length 99-100% match
ccsbBroadEn_05987	ccsbBroad304_05987		BC022796	1082	CGB	no errors	hORFeome V8.1 Collection	1082; 93659; 94115	CGB; CGB5; CGB8	NM_000737.2;	Full Length 99-100% match
ccsbBroadEn_05988	ccsbBroad304_05988		BC121132	1087	CEACAM7	no errors	hORFeome V8.1 Collection	1087	CEACAM7	NM_033043.1;	Full Length 99-100% match
ccsbBroadEn_05989	ccsbBroad304_05989		BC020744	1109	AKR1C4	no errors	hORFeome V8.1 Collection	1109	AKR1C4	NM_003183.2	Full Length 99-100% match
ccsbBroadEn_05990	ccsbBroad304_05990		BC001059,BC006459	1113	CHGA	no errors	hORFeome V8.1 Collection	1113	CHGA	NM_006890.3	Full Length 99-100% match
ccsbBroadEn_05991	ccsbBroad304_05991		BC008568	1116	CHI3L1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1116	CHI3L1	NM_001818.2	Full Length 99-100% match
ccsbBroadEn_05992	ccsbBroad304_05992		BC038354,BC039132	1116	CHI3L1	no errors	hORFeome V8.1 Collection	1116	CHI3L1	NM_001275.3	Full Length 99-100% match
ccsbBroadEn_05993	ccsbBroad304_05993		BC011460	1117	CHI3L2	no errors	hORFeome V8.1 Collection	1117	CHI3L2	NM_001276.2	Full Length 99-100% match
ccsbBroadEn_05994	ccsbBroad304_05994		BC103695	1118	CHIT1	no errors	hORFeome V8.1 Collection	1118	CHIT1	NM_004000.2	Full Length 99-100% match
ccsbBroadEn_05995	ccsbBroad304_05995	454	BC105680	1118	CHIT1	no errors	hORFeome V8.1 Collection	1118	CHIT1	NM_003465.2	Full Length 99-100% match
ccsbBroadEn_05996	ccsbBroad304_05996	454	BC112155	1124	CHN2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1124	CHN2	NM_003465.2	Full Length 99-100% match
ccsbBroadEn_05997	ccsbBroad304_05997		BC007740,BC022984	1128	CHRM1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1128	CHRM1	NM_004067.2	Full Length 99-100% match
ccsbBroadEn_05998	ccsbBroad304_05998		BC041805	1133	CHRM5	no errors	hORFeome V8.1 Collection	1133	CHRM5	NM_000738.2	Full Length 99-100% match



ccsbBroadEn_05999	ccsbBroad304_05999		BC068528	1133	CHRM5	no errors	hORFeome V8.1 Collection	1133	CHRM5	NM_012125.3	Full Length 99-100% match
ccsbBroadEn_06000	ccsbBroad304_06000		BC000513	1136	CHRNA3	no errors	hORFeome V8.1 Collection	1136	CHRNA3	NM_000743.4	Full Length 99-100% match
ccsbBroadEn_06001	ccsbBroad304_06001		BC096290	1137	CHRNA4	no errors	hORFeome V8.1 Collection	1137	CHRNA4	NM_000744.5	Full Length 99-100% match
ccsbBroadEn_06002	ccsbBroad304_06002		BC037571	1139	CHRNA7	no errors	hORFeome V8.1 Collection	89832	CHRFAM7A	NM_148911.1	Full Length 99-100% match
ccsbBroadEn_06003	ccsbBroad304_06003		BC069681,BC069788	1142	CHRNA3	no errors	hORFeome V8.1 Collection	1142	CHRNA3	NM_000749.3	Full Length 99-100% match
ccsbBroadEn_06004	ccsbBroad304_06004		BC019259	1152	CKB	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1152	CKB	NM_001823.3	Full Length 99-100% match
ccsbBroadEn_06005	ccsbBroad304_06005		BC001190,BC019281	1152	CKB	no errors	hORFeome V8.1 Collection	1152	CKB	NM_001823.3	Full Length 99-100% match
ccsbBroadEn_06006	ccsbBroad304_06006		BC000901	1153	CIRBP	no errors	hORFeome V8.1 Collection	1153	CIRBP	NM_001280.2	Full Length 99-100% match
ccsbBroadEn_06007	ccsbBroad304_06007		BC031590	1154	CISH	no errors	hORFeome V8.1 Collection	1154	CISH	NM_145071.2	Full Length 99-100% match
ccsbBroadEn_06008	ccsbBroad304_06008		BC013796	1173	AP2M1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1173	AP2M1	NM_001025205.1	Full Length 99-100% match
ccsbBroadEn_06009	ccsbBroad304_06009		BC119711	1178	CLC	no errors	hORFeome V8.1 Collection	1178	CLC	NM_001828.4	Full Length 99-100% match
ccsbBroadEn_06010	ccsbBroad304_06010		BC117420,BC117424	1185	CLCN6	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1185	CLCN6	NM_001286.2	Full Length 99-100% match
ccsbBroadEn_06011	ccsbBroad304_06011		BC019881	1198	CLK3	no errors	hORFeome V8.1 Collection	1198	CLK3	NM_003992.4	Full Length 99-100% match
ccsbBroadEn_06012	ccsbBroad304_06012		BC014863	1200	TPP1	no errors	hORFeome V8.1 Collection	1200	TPP1	NM_000391.3	Full Length 99-100% match
ccsbBroadEn_06013	ccsbBroad304_06013		BC004865	1209	CLPTM1	no errors	hORFeome V8.1 Collection	1209	CLPTM1	NM_001199468.1	Full Length 99-100% match
ccsbBroadEn_06014	ccsbBroad304_06014		BC103975	1215	CMA1	no errors	hORFeome V8.1 Collection	1215	CMA1	NM_001836.2	Full Length 99-100% match
ccsbBroadEn_06015	ccsbBroad304_06015		BC141818,BC141833	1265	CNN2	no errors	hORFeome V8.1 Collection	1265	CNN2	NM_004368.2	Full Length 99-100% match
ccsbBroadEn_06016	ccsbBroad304_06016		BC006392	1267	CNP	no errors	hORFeome V8.1 Collection	1267	CNP	NM_033133.4	Full Length 99-100% match
ccsbBroadEn_06017	ccsbBroad304_06017	454	BC074811	1268	CNR1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1268	CNR1	NM_016083.4; NM_001160226.1; NM_001160258.1; NM_001160259.1; NM_001160260.1	Full Length 99-100% match
ccsbBroadEn_06018	ccsbBroad304_06018		BC011935	1312	COMT	no errors	hORFeome V8.1 Collection	1312	COMT	NM_000754.3; NM_001135161.1;	Full Length 99-100% match
ccsbBroadEn_06019	ccsbBroad304_06019	454	BC038447	1314	COPA	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	1314	COPA	NM_001098398.1	Full Length 99-100% match
ccsbBroadEn_06020	ccsbBroad304_06020		BC037280	1315	COPB1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1315	COPB1	NM_016451.4; NM_001144061.1; NM_001144062.1	Full Length 99-100% match
ccsbBroadEn_06021	ccsbBroad304_06021		BC000311	1316	KLF6	1 synonymous error	hORFeome V8.1 Collection	1316	KLF6	NM_001300.5	Full Length 99-100% match
ccsbBroadEn_06022	ccsbBroad304_06022		BC018386	1349	COX7B	1 synonymous error	hORFeome V8.1 Collection	1349	COX7B	NM_001866.2	Full Length 99-100% match
ccsbBroadEn_06023	ccsbBroad304_06023		BC000060,BC006394	1352	COX10	no errors	hORFeome V8.1 Collection	1352	COX10	NM_001303.3	Full Length 99-100% match
ccsbBroadEn_06024	ccsbBroad304_06024		BC005895	1353	COX11	no errors	hORFeome V8.1 Collection	1353	COX11	NM_004375.3	Full Length 99-100% match
ccsbBroadEn_06025	ccsbBroad304_06025		BC005279	1357	CPA1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1357	CPA1	NM_001868.2	Full Length 99-100% match
ccsbBroadEn_06026	ccsbBroad304_06026		BC012613	1359	CPA3	no errors	hORFeome V8.1 Collection	1359	CPA3	NM_001870.2	Full Length 99-100% match
ccsbBroadEn_06027	ccsbBroad304_06027		BC007057	1361	CPB2	no errors	hORFeome V8.1 Collection	1361	CPB2	NM_001872.3	Full Length 99-100% match
ccsbBroadEn_06028	ccsbBroad304_06028		BC033866	1363	CPE	no errors	hORFeome V8.1 Collection	1363	CPE	NM_001873.2	Full Length 99-100% match
ccsbBroadEn_06029	ccsbBroad304_06029		BC000671	1364	CLDN4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1364	CLDN4	NM_001305.3	Full Length 99-100% match
ccsbBroadEn_06030	ccsbBroad304_06030		BC001055	1366	CLDN7	no errors	hORFeome V8.1 Collection	1366	CLDN7	NM_001307.5; NM_001185022.1	Full Length 99-100% match
ccsbBroadEn_06031	ccsbBroad304_06031		BC022276	1368	CPM	no errors	hORFeome V8.1 Collection	1368	CPM	NM_001874.4; NM_198320.3; NM_001005502.2	Full Length 99-100% match
ccsbBroadEn_06032	ccsbBroad304_06032		BC027897	1369	CPN1	no errors	hORFeome V8.1 Collection	1369	CPN1	NM_001308.2	Full Length 99-100% match
ccsbBroadEn_06033	ccsbBroad304_06033	454	BC023551	1371	CPOX	no errors	hORFeome V8.1 Collection	1371	CPOX	NM_000097.5	Full Length 99-100% match
ccsbBroadEn_06034	ccsbBroad304_06034		CCSB53227	1375	CPT1B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1375	CPT1B	NM_152245.2; NM_001145135.1; NM_001145137.1; NM_004377.3;	Full Length 99-100% match
ccsbBroadEn_06035	ccsbBroad304_06035		BC022069	1381	CRABP1	no errors	hORFeome V8.1 Collection	1381	CRABP1	NM_004378.2	Full Length 99-100% match
ccsbBroadEn_06036	ccsbBroad304_06036		BC017117	1390	CREM	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1390	CREM	NM_001881.2	Full Length 99-100% match
ccsbBroadEn_06037	ccsbBroad304_06037		BC011031	1392	CRH	no errors	hORFeome V8.1 Collection	1392	CRH	NM_000756.2	Full Length 99-100% match
ccsbBroadEn_06038	ccsbBroad304_06038		BC008506	1398	CRK	no errors	hORFeome V8.1 Collection	1398	CRK	NM_016823.2	Full Length 99-100% match
ccsbBroadEn_06039	ccsbBroad304_06039		BC016664,BC053672	1406	CRX	1 synonymous error	hORFeome V8.1 Collection	1406	CRX	NM_000554.4	Full Length 99-100% match
ccsbBroadEn_06040	ccsbBroad304_06040		BC030519	1407	CRY1	no errors	hORFeome V8.1 Collection	1407	CRY1	NM_004075.3	Full Length 99-100% match
ccsbBroadEn_06041	ccsbBroad304_06041		BC069528	1409	CRYAA	no errors	hORFeome V8.1 Collection	1409	CRYAA	NM_000394.2	Full Length 99-100% match
ccsbBroadEn_06042	ccsbBroad304_06042		BC007008	1410	CRYAB	no errors	hORFeome V8.1 Collection	1410	CRYAB	NM_001885.1	Full Length 99-100% match
ccsbBroadEn_06043	ccsbBroad304_06043		BC069404	1413	CRYBA4	no errors	hORFeome V8.1 Collection	1413	CRYBA4	NM_001886.2	Full Length 99-100% match
ccsbBroadEn_06044	ccsbBroad304_06044		BC102022	1417	CRYBB3	no errors	hORFeome V8.1 Collection	1417	CRYBB3	NM_004076.3	Full Length 99-100% match
ccsbBroadEn_06045	ccsbBroad304_06045		BC117384,BC117388	1419	CRYGB	no errors	hORFeome V8.1 Collection	1419	CRYGB	NM_005210.3	Full Length 99-100% match
ccsbBroadEn_06046	ccsbBroad304_06046		BC117338,BC117340	1421	CRYGD	no errors	hORFeome V8.1 Collection	1421	CRYGD	NM_006891.3	Full Length 99-100% match
ccsbBroadEn_06047	ccsbBroad304_06047		BC018061	1428	CRYM	no errors	hORFeome V8.1 Collection	1428	CRYM	NM_001888.3	Full Length 99-100% match
ccsbBroadEn_06048	ccsbBroad304_06048	454	BC070058	1429	CRYZ	no errors	hORFeome V8.1 Collection	1429	CRYZ	NM_001130042.1; NM_001889.3	Full Length 99-100% match
ccsbBroadEn_06049	ccsbBroad304_06049		BC021117	1435	CSF1	1 synonymous error	hORFeome V8.1 Collection	1435	CSF1	NM_000757.4; NM_172212.2	Full Length 99-100% match
ccsbBroadEn_06050	ccsbBroad304_06050		BC002635	1438	CSF2RA	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	1438	CSF2RA	NM_006140.4; NM_172245.2; NM_001161529.1	Full Length 99-100% match
ccsbBroadEn_06051	ccsbBroad304_06051		BC005921	1442	CSH1	no errors	hORFeome V8.1 Collection	1443; 1442	CSH2; CSH1	NM_020991.3; NM_001317.3	Full Length 99-100% match
ccsbBroadEn_06052	ccsbBroad304_06052		BC119747	1444	CSHL1	no errors	hORFeome V8.1 Collection	1444	CSHL1	NM_001318.2	Full Length 99-100% match
ccsbBroadEn_06053	ccsbBroad304_06053		BC128227	1446	CSN1S1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	1446	CSN1S1	NM_001890.1	Full Length 99-100% match
ccsbBroadEn_06054	ccsbBroad304_06054		BC010935	1448	CSN3	no errors	hORFeome V8.1 Collection	1448	CSN3	NM_005212.2	Full Length 99-100% match
ccsbBroadEn_06055	ccsbBroad304_06055	454	BC008717	1452	CSNK1A1	no errors	hORFeome V8.1 Collection	1452	CSNK1A1	NM_001892.4	Full Length 99-100% match
ccsbBroadEn_06056	ccsbBroad304_06056		BC003558	1453	CSNK1D	no errors	hORFeome V8.1 Collection	1453	CSNK1D	NM_001893.3	Full Length 99-100% match
ccsbBroadEn_06057	ccsbBroad304_06057	454	BC047567	1456	CSNK1G3	no errors	hORFeome V8.1 Collection	1456	CSNK1G3	NM_001031812.2	Full Length 99-100% match
ccsbBroadEn_06058	ccsbBroad304_06058	454	BC112017	1460	CSNK2B	no errors	hORFeome V8.1 Collection	1460	CSNK2B	NM_001320.5	Full Length 99-100% match
ccsbBroadEn_06059	ccsbBroad304_06059	454	BC032493	1465	CSRP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1465	CSRP1	NM_004078.2; NM_001193571.1; NM_001193572.1	Full Length 99-100% match
ccsbBroadEn_06060	ccsbBroad304_06060		BC021225	1469	CST1	no errors	hORFeome V8.1 Collection	1469	CST1	NM_001898.2	Full Length 99-100% match
ccsbBroadEn_06061	ccsbBroad304_06061		BC010379	1475	CSTA	no errors	hORFeome V8.1 Collection	1475	CSTA	NM_005213.3	Full Length 99-100% match
ccsbBroadEn_06062	ccsbBroad304_06062		BC025711	1482	NKX2-5	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	1482	NKX2-5	NM_004387.3	Full Length 99-100% match
ccsbBroadEn_06063	ccsbBroad304_06063		BC052996	1496	CTNNA2	no errors	hORFeome V8.1 Collection	1496	CTNNA2	NM_004389.3	Full Length 99-100% match
ccsbBroadEn_06064	ccsbBroad304_06064		BC032850	1497	CTNS	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	1497	CTNS	NM_001031681.2	Full Length 99-100% match
ccsbBroadEn_06065	ccsbBroad304_06065		BC002479	1512	CTSH	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	1512	CTSH	NM_004390.3	Full Length 99-100% match
ccsbBroadEn_06066	ccsbBroad304_06066		BC012612	1514	CTSL1	no errors	hORFeome V8.1 Collection	1514	CTSL1	NM_145918.2; NM_001912.4	Full Length 99-100% match



ccsbBroadEn_06067	ccsbBroad304_06067		BC028078	1524	CX3CR1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1524	CX3CR1	NM_001337.3; NM_001171171.1; NM_001171172.1	Full Length 99-100% match
ccsbBroadEn_06068	ccsbBroad304_06068		BC003684,BC010536	1525	CXADR	no errors	hORFeome V8.1 Collection	1525	CXADR	NM_001338.3	Full Length 99-100% match
ccsbBroadEn_06069	ccsbBroad304_06069		BC002976	1534	CYB561	no errors	hORFeome V8.1 Collection	1534	CYB561	NM_001915.3; NM_001017917.1; NM_001017916.1	Full Length 99-100% match
ccsbBroadEn_06070	ccsbBroad304_06070		BC001006,BC020566	1537	CYC1	no errors	hORFeome V8.1 Collection	1537	CYC1	NM_001916.3	Full Length 99-100% match
ccsbBroadEn_06071	ccsbBroad304_06071		BC096253	1548	CYP2A6	no errors	hORFeome V8.1 Collection	1548	CYP2A6	NM_000762.5	Full Length 99-100% match
ccsbBroadEn_06072	ccsbBroad304_06072		BC117165	1549	CYP2A7	no errors	hORFeome V8.1 Collection	1549	CYP2A7	NM_000764.2	Full Length 99-100% match
ccsbBroadEn_06073	ccsbBroad304_06073		BC067436	1551	CYP3A7	no errors	hORFeome V8.1 Collection	1551	CYP3A7	NM_000765.3	Full Length 99-100% match
ccsbBroadEn_06074	ccsbBroad304_06074	454	BC067430	1555	CYP2B6	no errors	hORFeome V8.1 Collection	1555	CYP2B6	NM_000767.4	Full Length 99-100% match
ccsbBroadEn_06075	ccsbBroad304_06075		BC067435	1571	CYP2E1	no errors	hORFeome V8.1 Collection	1571	CYP2E1	NM_000773.3	Full Length 99-100% match
ccsbBroadEn_06076	ccsbBroad304_06076	454	BC067434	1582	CYP8B1	no errors	hORFeome V8.1 Collection	1582	CYP8B1	NM_004391.2	Full Length 99-100% match
ccsbBroadEn_06077	ccsbBroad304_06077		BC032329	1583	CYP11A1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1583	CYP11A1	NM_000781.2	Full Length 99-100% match
ccsbBroadEn_06078	ccsbBroad304_06078		BC035959	1588	CYP19A1	no errors	hORFeome V8.1 Collection	1588	CYP19A1	NM_000103.3; NM_031226.2	Full Length 99-100% match
ccsbBroadEn_06079	ccsbBroad304_06079		BC032322	1595	CYP51A1	no errors	hORFeome V8.1 Collection	1595	CYP51A1	NM_000786.3	Full Length 99-100% match
ccsbBroadEn_06080	ccsbBroad304_06080		BC009798	1603	DAD1	no errors	hORFeome V8.1 Collection	1603	DAD1	NM_001344.2	Full Length 99-100% match
ccsbBroadEn_06081	ccsbBroad304_06081		BC031870	1606	DGKA	no errors	hORFeome V8.1 Collection	1606	DGKA	NM_001345.4; NM_201444.2; NM_201554.1; NM_201445.1	Full Length 99-100% match
ccsbBroadEn_06082	ccsbBroad304_06082		BC112363	1608	DGKG	no errors	hORFeome V8.1 Collection	1608	DGKG	NM_001080745.1	Full Length 99-100% match
ccsbBroadEn_06083	ccsbBroad304_06083		BC000283,BC007567	1627	DBN1	no errors	hORFeome V8.1 Collection	1627	DBN1	NM_004395.3	Full Length 99-100% match
ccsbBroadEn_06084	ccsbBroad304_06084	454	BC011965	1628	DBP	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1628	DBP	NM_001352.3	Full Length 99-100% match
ccsbBroadEn_06085	ccsbBroad304_06085	454	BC103764	1633	DCK	no errors	hORFeome V8.1 Collection	1633	DCK	NM_000788.2	Full Length 99-100% match
ccsbBroadEn_06086	ccsbBroad304_06086		BC071583	1639	DCTN1	no errors	hORFeome V8.1 Collection	1639	DCTN1	NM_001135041.2	Full Length 99-100% match
ccsbBroadEn_06087	ccsbBroad304_06087		BC000093	1643	DDB2	no errors	hORFeome V8.1 Collection	1643	DDB2	NM_000107.2	Full Length 99-100% match
ccsbBroadEn_06088	ccsbBroad304_06088		BC015490,BC020216	1645	AKR1C1	no errors	hORFeome V8.1 Collection	1645	AKR1C1	NM_001353.5	Full Length 99-100% match
ccsbBroadEn_06089	ccsbBroad304_06089		BC003637	1649	DDIT3	no errors	hORFeome V8.1 Collection	1649	DDIT3	NM_004083.5; NM_001195057.1	Full Length 99-100% match
ccsbBroadEn_06090	ccsbBroad304_06090		BC002594	1650	DDOST	no errors	hORFeome V8.1 Collection	1650	DDOST	NM_005216.4	Full Length 99-100% match
ccsbBroadEn_06091	ccsbBroad304_06091		BC012132	1653	DDX1	no errors	hORFeome V8.1 Collection	1653	DDX1	NM_004939.1	Full Length 99-100% match
ccsbBroadEn_06092	ccsbBroad304_06092		BC069690	1670	DEFA5	no errors	hORFeome V8.1 Collection	1670	DEFA5	NM_021010.1	Full Length 99-100% match
ccsbBroadEn_06093	ccsbBroad304_06093		BC032116	1674	DES	no errors	hORFeome V8.1 Collection	1674	DES	NM_001927.3	Full Length 99-100% match
ccsbBroadEn_06094	ccsbBroad304_06094		BC007721	1676	DFFA	no errors	hORFeome V8.1 Collection	1676	DFFA	NM_004401.2	Full Length 99-100% match
ccsbBroadEn_06095	ccsbBroad304_06095	454	BC048797	1677	DFFB	no errors	hORFeome V8.1 Collection	1677	DFFB	NM_004402.2	Full Length 99-100% match
ccsbBroadEn_06096	ccsbBroad304_06096		BC099911	1687	DFNA5	no errors	hORFeome V8.1 Collection	1687	DFNA5	NM_004403.2; NM_001127453.1	Full Length 99-100% match
ccsbBroadEn_06097	ccsbBroad304_06097		BC000054	1717	DHCR7	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	1717	DHCR7	NM_001360.2; NM_001163817.1	Full Length 99-100% match
ccsbBroadEn_06098	ccsbBroad304_06098		BC011669	1718	DHCR24	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1718	DHCR24	NM_014762.3	Full Length 99-100% match
ccsbBroadEn_06099	ccsbBroad304_06099	454	BC065245	1723	DHODH	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1723	DHODH	NM_001361.3	Full Length 99-100% match
ccsbBroadEn_06100	ccsbBroad304_06100		BC000302	1743	DLST	no errors	hORFeome V8.1 Collection	1743	DLST	NM_001933.4	Full Length 99-100% match
ccsbBroadEn_06101	ccsbBroad304_06101		BC032558	1746	DLX2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	1746	DLX2	NM_004405.3	Full Length 99-100% match
ccsbBroadEn_06102	ccsbBroad304_06102		BC012361,BC028970	1747	DLX3	no errors	hORFeome V8.1 Collection	1747	DLX3	NM_005220.2	Full Length 99-100% match
ccsbBroadEn_06103	ccsbBroad304_06103		BC028720	1756	DMD	no errors	hORFeome V8.1 Collection	1756	DMD	NM_004016.2	Full Length 99-100% match
ccsbBroadEn_06104	ccsbBroad304_06104	454	BC136363	1757	SARDH	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1757	SARDH	NM_007101.3; NM_001134707.1	Full Length 99-100% match
ccsbBroadEn_06105	ccsbBroad304_06105		BC130581,BC132865	1758	DMP1	no errors	hORFeome V8.1 Collection	1758	DMP1	NM_004407.3	Full Length 99-100% match
ccsbBroadEn_06106	ccsbBroad304_06106	454	BC063850	1759	DNM1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1759	DNM1	NM_001005336.1	Full Length 99-100% match
ccsbBroadEn_06107	ccsbBroad304_06107		BC028092	1774	DNASE1L1	no errors	hORFeome V8.1 Collection	1774	DNASE1L1	NM_006730.2; NM_001009934.1; NM_001009933.1; NM_001009932.1	Full Length 99-100% match
ccsbBroadEn_06108	ccsbBroad304_06108		BC001561	1774	DNASE1L1	no errors	hORFeome V8.1 Collection	1774	DNASE1L1	NM_001009934.1; NM_001009933.1; NM_001009932.1	Full Length 99-100% match
ccsbBroadEn_06109	ccsbBroad304_06109		BC015831	1776	DNASE1L3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1776	DNASE1L3	NM_004944.2	Full Length 99-100% match
ccsbBroadEn_06110	ccsbBroad304_06110		BC037854	1780	DYNC111	no errors	hORFeome V8.1 Collection	1780	DYNC111	NM_001135556.1	Full Length 99-100% match
ccsbBroadEn_06111	ccsbBroad304_06111		BC032945	1780	DYNC111	no errors	hORFeome V8.1 Collection	1780	DYNC111	NM_001135556.1	Full Length 99-100% match
ccsbBroadEn_06112	ccsbBroad304_06112	454	BC025959	1783	DYNC1L1L2	no errors	hORFeome V8.1 Collection	1783	DYNC1L1L2	NM_006141.2	Full Length 99-100% match
ccsbBroadEn_06113	ccsbBroad304_06113	454	BC039596	1785	DNM2	no errors	hORFeome V8.1 Collection	1785	DNM2	NM_001005360.2	Full Length 99-100% match
ccsbBroadEn_06114	ccsbBroad304_06114	454	BC047733	1787	TRDMT1	no errors	hORFeome V8.1 Collection	1787	TRDMT1	NM_004412.5	Full Length 99-100% match
ccsbBroadEn_06115	ccsbBroad304_06115		BC001389,BC016956	1802	DPH2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1802	DPH2	NM_001384.4	Full Length 99-100% match
ccsbBroadEn_06116	ccsbBroad304_06116	454	BC065265	1803	DPP4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1803	DPP4	NM_001935.3	Full Length 99-100% match
ccsbBroadEn_06117	ccsbBroad304_06117	454	BC150304	1804	DPP6	1 synonomous error	hORFeome V8.1 Collection	1804	DPP6	NM_001039350.1	Full Length 99-100% match
ccsbBroadEn_06118	ccsbBroad304_06118		BC039006	1809	DPYSL3	no errors	hORFeome V8.1 Collection	1809	DPYSL3	NM_001387.2	Full Length 99-100% match
ccsbBroadEn_06119	ccsbBroad304_06119		BC077077	1809	DPYSL3	no errors	hORFeome V8.1 Collection	1809	DPYSL3	NM_001197294.1	Full Length 99-100% match
ccsbBroadEn_06120	ccsbBroad304_06120	454	BC074978	1812	DRD1	no errors	hORFeome V8.1 Collection	1812	DRD1	NM_000794.3	Full Length 99-100% match
ccsbBroadEn_06121	ccsbBroad304_06121		BC128122	1814	DRD3	no errors	hORFeome V8.1 Collection	1814	DRD3	NM_000796.3	Full Length 99-100% match
ccsbBroadEn_06122	ccsbBroad304_06122		BC009748	1816	DRD5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1816	DRD5	NM_000798.4	Full Length 99-100% match
ccsbBroadEn_06123	ccsbBroad304_06123		BC000493	1819	DRG2	no errors	hORFeome V8.1 Collection	1819	DRG2	NM_001388.3	Full Length 99-100% match
ccsbBroadEn_06124	ccsbBroad304_06124		BC060828	1820	ARID3A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	1820	ARID3A	NM_005224.2	Full Length 99-100% match
ccsbBroadEn_06125	ccsbBroad304_06125	454	BC063291	1824	DSC2	early stop codon	hORFeome V8.1 Mutant Subcollection	1824	DSC2	NM_024422.3	Full Length 99-100% match
ccsbBroadEn_06126	ccsbBroad304_06126		BC018148	1831	TSC22D3	1 synonomous error	hORFeome V8.1 Collection	1831	TSC22D3	NM_001015881.1	Full Length 99-100% match
ccsbBroadEn_06127	ccsbBroad304_06127		BC030958	1833	EPYC	no errors	hORFeome V8.1 Collection	1833	EPYC	NM_004950.4	Full Length 99-100% match
ccsbBroadEn_06128	ccsbBroad304_06128		BC059390	1836	SLC26A2	no errors	hORFeome V8.1 Collection	1836	SLC26A2	NM_000112.3	Full Length 99-100% match
ccsbBroadEn_06129	Failed LR reaction		BC001827	1841	DTYMK	no errors	hORFeome V8.1 Collection	1841	DTYMK	NM_012145.3	Full Length 99-100% match
ccsbBroadEn_06130	ccsbBroad304_06130		BC002671,BC014565	1846	DUSP4	no errors	hORFeome V8.1 Collection	1846	DUSP4	NM_001394.5	Full Length 99-100% match
ccsbBroadEn_06131	ccsbBroad304_06131		BC003143,BC003562	1848	DUSP6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1848	DUSP6	NM_001946.2	Full Length 99-100% match
ccsbBroadEn_06132	ccsbBroad304_06132		BC032459	1857	DVL3	no errors	hORFeome V8.1 Collection	1857	DVL3	NM_004423.3	Full Length 99-100% match
ccsbBroadEn_06133	ccsbBroad304_06133		BC000674	1861	TOR1A	no errors	hORFeome V8.1 Collection	1861	TOR1A	NM_000113.2	Full Length 99-100% match
ccsbBroadEn_06134	ccsbBroad304_06134		BC011792	1891	ECH1	no errors	hORFeome V8.1 Collection	1891	ECH1	NM_001398.2	Full Length 99-100% match
ccsbBroadEn_06135	ccsbBroad304_06135		BC017408	1891	ECH1	no errors	hORFeome V8.1 Collection	1891	ECH1	NM_001398.2	Full Length 99-100% match
ccsbBroadEn_06136	ccsbBroad304_06136		BC008906	1892	ECHS1	no errors	hORFeome V8.1 Collection	1892	ECHS1	NM_004092.3	Full Length 99-100% match
ccsbBroadEn_06137	ccsbBroad304_06137		BC022511	1909	EDNRA	no errors	hORFeome V8.1 Collection	1909	EDNRA	NM_001957.3	Full Length 99-100% match
ccsbBroadEn_06138	ccsbBroad304_06138		BC014472	1910	EDNRB	no errors	hORFeome V8.1 Collection	1910	EDNRB	NM_000115.2; NM_001122659.1	Full Length 99-100% match
ccsbBroadEn_06139	ccsbBroad304_06139		BC028396	1912	PHC2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1912	PHC2	NM_004427.3	Full Length 99-100% match



ccsbBroadEn_06140	ccsbBroad304_06140		BC007847	1936	EEF1D	no errors	hORFeome V8.1 Collection	1936	EEF1D	NM_032378.4;	Full Length 99-100% match
ccsbBroadEn_06141	ccsbBroad304_06141		BC009865,BC015813	1937	EEF1G	no errors	hORFeome V8.1 Collection	1937	EEF1G	NM_001130053.2	Full Length 99-100% match
ccsbBroadEn_06142	ccsbBroad304_06142		BC126259	1938	EEF2	no errors	hORFeome V8.1 Collection	1938	EEF2	NM_001961.3	Full Length 99-100% match
ccsbBroadEn_06143	ccsbBroad304_06143		BC032698	1942	EFNA1	no errors	hORFeome V8.1 Collection	1942	EFNA1	NM_004428.2	Full Length 99-100% match
ccsbBroadEn_06144	ccsbBroad304_06144	454	BC042944	1949	EFNB3	no errors	hORFeome V8.1 Collection	1949	EFNB3	NM_001406.3	Full Length 99-100% match
ccsbBroadEn_06145	ccsbBroad304_06145		BC000793	1964	EIF1AX	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1964	EIF1AX	NM_001412.3	Full Length 99-100% match
ccsbBroadEn_06146	ccsbBroad304_06146		BC104188	1967	EIF2B1	no errors	hORFeome V8.1 Collection	1967	EIF2B1	NM_001414.3	Full Length 99-100% match
ccsbBroadEn_06147	ccsbBroad304_06147		BC009585	1973	EIF4A1	no errors	hORFeome V8.1 Collection	1973	EIF4A1	NM_001416.2	Full Length 99-100% match
ccsbBroadEn_06148	Failed LR reaction		BC015842	1974	EIF4A2	no errors	hORFeome V8.1 Collection	1974	EIF4A2	NM_001967.3	Full Length 99-100% match
ccsbBroadEn_06149	ccsbBroad304_06149		BC073139	1975	EIF4B	no errors	hORFeome V8.1 Collection	1975	EIF4B	NM_001417.4	Full Length 99-100% match
ccsbBroadEn_06150	ccsbBroad304_06150		BC012611	1977	EIF4E	no errors	hORFeome V8.1 Collection	1977	EIF4E	NM_001968.3	Full Length 99-100% match
ccsbBroadEn_06151	ccsbBroad304_06151		BC007728	1983	EIF5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1983	EIF5	NM_001969.3;	Full Length 99-100% match
ccsbBroadEn_06152	ccsbBroad304_06152		BC032866	1983	EIF5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1983	EIF5	NM_001969.3;	Full Length 99-100% match
ccsbBroadEn_06153	ccsbBroad304_06153		BC009015	1992	SERPINB1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1992	SERPINB1	NM_183004.3	Full Length 99-100% match
ccsbBroadEn_06154	ccsbBroad304_06154		BC036071	1996	ELAVL4	no errors	hORFeome V8.1 Collection	1996	ELAVL4	NM_030666.2	Full Length 99-100% match
ccsbBroadEn_06155	ccsbBroad304_06155		BC030507	1997	ELF1	no errors	hORFeome V8.1 Collection	1997	ELF1	NM_001144774.1	Full Length 99-100% match
ccsbBroadEn_06156	ccsbBroad304_06156		BC034951	1998	ELF2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	1998	ELF2	NM_172373.3	Full Length 99-100% match
ccsbBroadEn_06157	ccsbBroad304_06157		BC032541	2009	EML1	no errors	hORFeome V8.1 Collection	2009	EML1	NM_006874.2	Full Length 99-100% match
ccsbBroadEn_06158	ccsbBroad304_06158		BC009718	2014	EMP3	no errors	hORFeome V8.1 Collection	2014	EMP3	NM_004434.2	Full Length 99-100% match
ccsbBroadEn_06159	ccsbBroad304_06159		BC008799	2017	CTTN	1 synonomous error	hORFeome V8.1 Collection	2017	CTTN	NM_001425.2	Full Length 99-100% match
ccsbBroadEn_06160	ccsbBroad304_06160		BC001810,BC050642	2023	ENO1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2023	ENO1	NM_138565.2	Full Length 99-100% match
ccsbBroadEn_06161	ccsbBroad304_06161		BC002745	2026	ENO2	no errors	hORFeome V8.1 Collection	2026	ENO2	NM_001428.2	Full Length 99-100% match
ccsbBroadEn_06162	ccsbBroad304_06162		BC017249	2027	ENO3	no errors	hORFeome V8.1 Collection	2027	ENO3	NM_001976.4;	Full Length 99-100% match
ccsbBroadEn_06163	ccsbBroad304_06163	454	BC094770	2028	ENPEP	no errors	hORFeome V8.1 Collection	2028	ENPEP	NM_053013.3	Full Length 99-100% match
ccsbBroadEn_06164	ccsbBroad304_06164		BC000436	2029	ENSA	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2029	ENSA	NM_001977.3	Full Length 99-100% match
ccsbBroadEn_06165	ccsbBroad304_06165		BC068544	2029	ENSA	no errors	hORFeome V8.1 Collection	2029	ENSA	NM_004436.2	Full Length 99-100% match
ccsbBroadEn_06166	ccsbBroad304_06166		BC010703	2040	STOM	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2040	STOM	NM_207044.1	Full Length 99-100% match
ccsbBroadEn_06167	ccsbBroad304_06167	454	BC130291	2041	EPHA1	no errors	hORFeome V8.1 Collection	2041	EPHA1	NM_004099.4	Full Length 99-100% match
ccsbBroadEn_06168	ccsbBroad304_06168	454	BC063282	2042	EPHA3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2042	EPHA3	NM_005232.4	Full Length 99-100% match
ccsbBroadEn_06169	ccsbBroad304_06169		BC126125,BC126151	2045	EPHA7	no errors	hORFeome V8.1 Collection	2045	EPHA7	NM_005233.5	Full Length 99-100% match
ccsbBroadEn_06170	ccsbBroad304_06170		BC038796	2046	EPHA8	1 synonomous error	hORFeome V8.1 Collection	2046	EPHA8	NM_004440.3	Full Length 99-100% match
ccsbBroadEn_06171	ccsbBroad304_06171	454	BC047496	2054	STX2	no errors	hORFeome V8.1 Collection	2054	STX2	NM_001006943.1	Full Length 99-100% match
ccsbBroadEn_06172	ccsbBroad304_06172		BC030010	2059	EPS8	no errors	hORFeome V8.1 Collection	2059	EPS8	NM_001980.2	Full Length 99-100% match
ccsbBroadEn_06173	ccsbBroad304_06173	454	BC063018	2063	NR2F6	no errors	hORFeome V8.1 Collection	2063	NR2F6	NM_004447.5	Full Length 99-100% match
ccsbBroadEn_06174	ccsbBroad304_06174		BC008930	2067	ERCC1	no errors	hORFeome V8.1 Collection	2067	ERCC1	NM_005234.3	Full Length 99-100% match
ccsbBroadEn_06175	ccsbBroad304_06175		BC052813	2067	ERCC1	no errors	hORFeome V8.1 Collection	2067	ERCC1	NM_001983.3	Full Length 99-100% match
ccsbBroadEn_06176	ccsbBroad304_06176	454	BC136404	2069	EREG	no errors	hORFeome V8.1 Collection	2069	EREG	NM_202001.2	Full Length 99-100% match
ccsbBroadEn_06177	ccsbBroad304_06177		BC041063	2070	EYA4	no errors	hORFeome V8.1 Collection	2070	EYA4	NM_001432.2	Full Length 99-100% match
ccsbBroadEn_06178	ccsbBroad304_06178		BC031522	2073	ERCC5	no errors	hORFeome V8.1 Collection	2073	ERCC5	NM_172103.3	Full Length 99-100% match
ccsbBroadEn_06179	ccsbBroad304_06179		BC040168	2078	ERG	no errors	hORFeome V8.1 Collection	2078	ERG	NM_000123.2	Full Length 99-100% match
ccsbBroadEn_06180	ccsbBroad304_06180		BC001169	2098	ESD	no errors	hORFeome V8.1 Collection	2098	ESD	NM_182918.3	Full Length 99-100% match
ccsbBroadEn_06181	ccsbBroad304_06181		BC011890	2110	ETFDH	no errors	hORFeome V8.1 Collection	2110	ETFDH	NM_001984.1	Full Length 99-100% match
ccsbBroadEn_06182	ccsbBroad304_06182		BC005926	2124	EVI2B	no errors	hORFeome V8.1 Collection	2124	EVI2B	NM_004453.2	Full Length 99-100% match
ccsbBroadEn_06183	ccsbBroad304_06183		BC000527	2130	EWSR1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2130	EWSR1	NM_006495.3	Full Length 99-100% match
ccsbBroadEn_06184	ccsbBroad304_06184		BC006363	2137	EXTL3	no errors	hORFeome V8.1 Collection	2137	EXTL3	NM_001163287.1	Full Length 99-100% match
ccsbBroadEn_06185	ccsbBroad304_06185		BC121799	2138	EYA1	no errors	hORFeome V8.1 Collection	2138	EYA1	NM_001440.2	Full Length 99-100% match
ccsbBroadEn_06186	ccsbBroad304_06186		BC002464	2149	F2R	no errors	hORFeome V8.1 Collection	2149	F2R	NM_000503.4;	Full Length 99-100% match
ccsbBroadEn_06187	ccsbBroad304_06187		BC018130	2150	F2RL1	no errors	hORFeome V8.1 Collection	2150	F2RL1	NM_172058.2	Full Length 99-100% match
ccsbBroadEn_06188	ccsbBroad304_06188		BC046125	2159	F10	no errors	hORFeome V8.1 Collection	2159	F10	NM_001992.3	Full Length 99-100% match
ccsbBroadEn_06189	ccsbBroad304_06189		BC069466,BC069637	2169	FABP2	no errors	hORFeome V8.1 Collection	2169	FABP2	NM_005242.4	Full Length 99-100% match
ccsbBroadEn_06190	ccsbBroad304_06190		BC019385	2171	FABP5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2171	FABP5	NM_000504.3	Full Length 99-100% match
ccsbBroadEn_06191	ccsbBroad304_06191		BC022489	2172	FABP6	no errors	hORFeome V8.1 Collection	2172	FABP6	NM_000134.3	Full Length 99-100% match
ccsbBroadEn_06192	ccsbBroad304_06192	454	BC046359	2178	FANCE	no errors	hORFeome V8.1 Collection	2178	FANCE	NM_001444.1	Full Length 99-100% match
ccsbBroadEn_06193	ccsbBroad304_06193	454	BC041692	2181	ACSL3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2181	ACSL3	NM_001445.2	Full Length 99-100% match
ccsbBroadEn_06194	Failed LR reaction		BC034959	2182	ACSL4	no errors	hORFeome V8.1 Collection	2182	ACSL4	NM_021922.2	Full Length 99-100% match
ccsbBroadEn_06195	ccsbBroad304_06195	454	BC051690	2199	FBLN2	no errors	hORFeome V8.1 Collection	2199	FBLN2	NM_004457.3;	Full Length 99-100% match
ccsbBroadEn_06196	ccsbBroad304_06196		BC014108	2208	FCER2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2208	FCER2	NM_203372.1	Full Length 99-100% match
ccsbBroadEn_06197	ccsbBroad304_06197		BC032634	2209	FCGR1A	no errors	hORFeome V8.1 Collection	2209	FCGR1A	NM_004458.2	Full Length 99-100% match
ccsbBroadEn_06198	ccsbBroad304_06198		BC019931	2212	FCGR2A	no errors	hORFeome V8.1 Collection	2212	FCGR2A	NM_001998.2	Full Length 99-100% match
ccsbBroadEn_06199	ccsbBroad304_06199		BC020823	2212	FCGR2A	no errors	hORFeome V8.1 Collection	2212	FCGR2A	NM_002002.4	Full Length 99-100% match
ccsbBroadEn_06200	ccsbBroad304_06200		BC033678	2214	FCGR3A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2214	FCGR3A	NM_000566.3	Full Length 99-100% match
ccsbBroadEn_06201	ccsbBroad304_06201		BC036723	2214	FCGR3A	no errors	hORFeome V8.1 Collection	2214	FCGR3A	NM_021642.3	Full Length 99-100% match
ccsbBroadEn_06202	ccsbBroad304_06202		BC128562	2215	FCGR3B	no errors	hORFeome V8.1 Collection	2215	FCGR3B	NM_021642.3	Full Length 99-100% match
ccsbBroadEn_06203	ccsbBroad304_06203		BC020635	2219	FCN1	no errors	hORFeome V8.1 Collection	2219	FCN1	NM_001127595.1;	Full Length 99-100% match
ccsbBroadEn_06204	ccsbBroad304_06204		BC009251	2222	FDFT1	no errors	hORFeome V8.1 Collection	2222	FDFT1	NM_001127593.1	Full Length 99-100% match
ccsbBroadEn_06205	ccsbBroad304_06205		BC003573	2222	FDFT1	no errors	hORFeome V8.1 Collection	2222	FDFT1	NM_000569.6	Full Length 99-100% match
ccsbBroadEn_06206	ccsbBroad304_06206		BC099706	2243	FGA	no errors	hORFeome V8.1 Collection	2243	FGA	NM_000570.3	Full Length 99-100% match
ccsbBroadEn_06207	ccsbBroad304_06207		BC121097	2251	FGF6	1 synonomous error	hORFeome V8.1 Collection	2251	FGF6	NM_002003.3	Full Length 99-100% match
ccsbBroadEn_06208	ccsbBroad304_06208	454	BC128235	2253	FGF8	no errors	hORFeome V8.1 Collection	2253	FGF8	NM_004462.3	Full Length 99-100% match
ccsbBroadEn_06209	ccsbBroad304_06209		BC103978	2254	FGF9	no errors	hORFeome V8.1 Collection	2254	FGF9	NM_004462.3	Full Length 99-100% match
ccsbBroadEn_06210	ccsbBroad304_06210		BC022524	2257	FGF12	no errors	hORFeome V8.1 Collection	2257	FGF12	NM_021871.2	Full Length 99-100% match
ccsbBroadEn_06211	ccsbBroad304_06211	454	BC039243	2263	FGFR2	no errors	hORFeome V8.1 Collection	2263	FGFR2	NM_020996.1	Full Length 99-100% match
ccsbBroadEn_06212	ccsbBroad304_06212		BC007047	2267	FGL1	no errors	hORFeome V8.1 Collection	2267	FGL1	NM_033165.3	Full Length 99-100% match
ccsbBroadEn_06213	ccsbBroad304_06213		BC005147	2280	FKBP1A	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2280	FKBP1A	NM_004467.3;	Full Length 99-100% match
ccsbBroadEn_06214	ccsbBroad304_06214		BC002614	2281	FKBP1B	early stop codon	hORFeome V8.1 Mutant Subcollection	2281	FKBP1B	NM_147203.2;	Full Length 99-100% match
ccsbBroadEn_06215	ccsbBroad304_06215	454	BC029778	2299	FOX1	no errors	hORFeome V8.1 Collection	2299	FOX1	NM_201552.1;	Full Length 99-100% match
ccsbBroadEn_06216	ccsbBroad304_06216		BC013408	2307	FOXS1	1 synonomous error	hORFeome V8.1 Collection	2307	FOXS1	NM_201553.1	Full Length 99-100% match
ccsbBroadEn_06217	Failed LR reaction		BC126350	2322	FLT3	no errors	hORFeome V8.1 Collection	2322	FLT3	NM_000801.4;	Full Length 99-100% match
ccsbBroadEn_06218	ccsbBroad304_06218		BC032016	2328	FMO3	no errors	hORFeome V8.1 Collection	2328	FMO3	NM_054014.3	Full Length 99-100% match
ccsbBroadEn_06219	ccsbBroad304_06219	454	BC132683	2334	AFF2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2334	AFF2	NM_054033.2	Full Length 99-100% match
ccsbBroadEn_06220	ccsbBroad304_06220		BC004490	2353	FOS	no errors	hORFeome V8.1 Collection	2353	FOS	NM_144769.2	Full Length 99-100% match



ccsbBroadEn_06221	ccsbBroad304_06221		BC005315	2357	FPR1	no errors	hORFeome V8.1 Collection	2357	FPR1	NM_002029.3;	Full Length 99-100% match
ccsbBroadEn_06222	ccsbBroad304_06222		BC023633,BC048097	2395	FXN	no errors	hORFeome V8.1 Collection	2395	FXN	NM_001193306.1	Full Length 99-100% match
ccsbBroadEn_06223	ccsbBroad304_06223		BC027855	2487	FRZB	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2487	FRZB	NM_00144.4	Full Length 99-100% match
ccsbBroadEn_06224	ccsbBroad304_06224		BC118548	2492	FSHR	no errors	hORFeome V8.1 Collection	2492	FSHR	NM_001463.3	Full Length 99-100% match
ccsbBroadEn_06225	ccsbBroad304_06225		BC066341	2495	FTH1	no errors	hORFeome V8.1 Collection	2495	FTH1	NM_000145.3	Full Length 99-100% match
ccsbBroadEn_06226	ccsbBroad304_06226		BC021670	2512	FTL	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2512	FTL	NM_002032.2	Full Length 99-100% match
ccsbBroadEn_06227	ccsbBroad304_06227		BC016715	2512	FTL	no errors	hORFeome V8.1 Collection	2512	FTL	NM_000146.3	Full Length 99-100% match
ccsbBroadEn_06228	ccsbBroad304_06228		BC003060,BC051268	2519	FUCA2	no errors	hORFeome V8.1 Collection	2519	FUCA2	NM_000146.3	Full Length 99-100% match
ccsbBroadEn_06229	ccsbBroad304_06229		BC000402,BC002459	2521	FUS	no errors	hORFeome V8.1 Collection	2521	FUS	NM_032020.4	Full Length 99-100% match
ccsbBroadEn_06230	ccsbBroad304_06230		BC121066	2524	FUT2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2524	FUT2	NM_004960.3	Full Length 99-100% match
ccsbBroadEn_06231	ccsbBroad304_06231		BC008797	2531	KDSR	no errors	hORFeome V8.1 Collection	2531	KDSR	NM_000511.5;	Full Length 99-100% match
ccsbBroadEn_06232	ccsbBroad304_06232		BC017817	2532	DARC	no errors	hORFeome V8.1 Collection	2532	DARC	NM_001097638.2	Full Length 99-100% match
ccsbBroadEn_06233	ccsbBroad304_06233		BC117449	2533	FYB	no errors	hORFeome V8.1 Collection	2533	FYB	NM_002035.2	Full Length 99-100% match
ccsbBroadEn_06234	ccsbBroad304_06234		BC130478	2538	G6PC	no errors	hORFeome V8.1 Collection	2538	G6PC	NM_002036.2	Full Length 99-100% match
ccsbBroadEn_06235	ccsbBroad304_06235		BC000337	2539	G6PD	no errors	hORFeome V8.1 Collection	2539	G6PD	NM_001465.3	Full Length 99-100% match
ccsbBroadEn_06236	ccsbBroad304_06236		BC008343,BC012154	2547	XRCC6	1 synonomous error	hORFeome V8.1 Collection	2547	XRCC6	NM_000151.2	Full Length 99-100% match
ccsbBroadEn_06237	ccsbBroad304_06237	454	BC040431	2548	GAA	no errors	hORFeome V8.1 Collection	2548	GAA	NM_001042351.1	Full Length 99-100% match
ccsbBroadEn_06238	ccsbBroad304_06238	454	BC041332	2550	GABBR1	no errors	hORFeome V8.1 Collection	2550	GABBR1	NM_001469.3	Full Length 99-100% match
ccsbBroadEn_06239	ccsbBroad304_06239		BC028629	2556	GABRA3	no errors	hORFeome V8.1 Collection	2556	GABRA3	NM_000152.3;	Full Length 99-100% match
ccsbBroadEn_06240	ccsbBroad304_06240		BC035055	2557	GABRA4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2557	GABRA4	NM_001079803.1;	Full Length 99-100% match
ccsbBroadEn_06241	ccsbBroad304_06241		BC011403	2558	GABRA5	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2558	GABRA5	NM_001079804.1	Full Length 99-100% match
ccsbBroadEn_06242	ccsbBroad304_06242		BC096241	2559	GABRA6	no errors	hORFeome V8.1 Collection	2559	GABRA6	NM_000810.3;	Full Length 99-100% match
ccsbBroadEn_06243	ccsbBroad304_06243	454	BC099705	2561	GABRB2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2561	GABRB2	NM_001165037.1	Full Length 99-100% match
ccsbBroadEn_06244	ccsbBroad304_06244		BC033801	2563	GABRD	no errors	hORFeome V8.1 Collection	2563	GABRD	NM_000811.2	Full Length 99-100% match
ccsbBroadEn_06245	ccsbBroad304_06245		BC031087	2565	GABRG1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2565	GABRG1	NM_000813.2	Full Length 99-100% match
ccsbBroadEn_06246	ccsbBroad304_06246	454	BC074795	2566	GABRG2	no errors	hORFeome V8.1 Collection	2566	GABRG2	NM_000815.4	Full Length 99-100% match
ccsbBroadEn_06247	ccsbBroad304_06247	454	BC074810	2568	GABRP	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2568	GABRP	NM_173536.3	Full Length 99-100% match
ccsbBroadEn_06248	ccsbBroad304_06248		BC037780	2571	GAD1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2571	GAD1	NM_000816.3	Full Length 99-100% match
ccsbBroadEn_06249	ccsbBroad304_06249	454	BC069470	2576	GAGE4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2576	GAGE4	NM_014211.2	Full Length 99-100% match
ccsbBroadEn_06250	ccsbBroad304_06250		BC001166	2584	GALK1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2584	GALK1	NM_000817.2	Full Length 99-100% match
ccsbBroadEn_06251	ccsbBroad304_06251		BC005141	2585	GALK2	no errors	hORFeome V8.1 Collection	2585	GALK2	NM_001040663.2	Full Length 99-100% match
ccsbBroadEn_06252	ccsbBroad304_06252		BC041120	2590	GALNT2	no errors	hORFeome V8.1 Collection	2590	GALNT2	NM_000154.1	Full Length 99-100% match
ccsbBroadEn_06253	ccsbBroad304_06253		BC015045	2592	GALT	no errors	hORFeome V8.1 Collection	2592	GALT	NM_002044.2	Full Length 99-100% match
ccsbBroadEn_06254	ccsbBroad304_06254			2597	GAPDH	no errors	hORFeome V8.1 Collection	2597	GAPDH	NM_000155.2	Full Length 99-100% match
ccsbBroadEn_06255	ccsbBroad304_06255		BC070079	2615	LRRC32	no errors	hORFeome V8.1 Collection	2615	LRRC32	NM_002046.3	Full Length 99-100% match
ccsbBroadEn_06256	ccsbBroad304_06256	454	BC104785	2622	GAS8	early stop codon	hORFeome V8.1 Mutant Subcollection	2622	GAS8	NM_001128922.1;	Full Length 99-100% match
ccsbBroadEn_06257	ccsbBroad304_06257		BC002557	2624	GATA2	1 synonomous error	hORFeome V8.1 Collection	2624	GATA2	NM_005512.2	Full Length 99-100% match
ccsbBroadEn_06258	ccsbBroad304_06258		BC015613,BC051342	2624	GATA2	no errors	hORFeome V8.1 Collection	2624	GATA2	NM_001481.2	Full Length 99-100% match
ccsbBroadEn_06259	ccsbBroad304_06259		BC015577,BC051272	2624	GATA2	no errors	hORFeome V8.1 Collection	2624	GATA2	NM_032638.4;	Full Length 99-100% match
ccsbBroadEn_06260	ccsbBroad304_06260		BC006793	2625	GATA3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2625	GATA3	NM_001145661.1	Full Length 99-100% match
ccsbBroadEn_06261	ccsbBroad304_06261	454	BC105108	2626	GATA4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2626	GATA4	NM_001145662.1	Full Length 99-100% match
ccsbBroadEn_06262	ccsbBroad304_06262		BC012098	2632	GBE1	no errors	hORFeome V8.1 Collection	2632	GBE1	NM_001002295.1	Full Length 99-100% match
ccsbBroadEn_06263	ccsbBroad304_06263		BC002666	2633	GBP1	no errors	hORFeome V8.1 Collection	2633	GBP1	NM_002052.3	Full Length 99-100% match
ccsbBroadEn_06264	ccsbBroad304_06264		BC073163	2634	GBP2	no errors	hORFeome V8.1 Collection	2634	GBP2	NM_000158.3	Full Length 99-100% match
ccsbBroadEn_06265	ccsbBroad304_06265		BC057228	2638	GC	no errors	hORFeome V8.1 Collection	2638	GC	NM_002053.2	Full Length 99-100% match
ccsbBroadEn_06266	ccsbBroad304_06266		BC130481,BC130483	2646	GCKR	no errors	hORFeome V8.1 Collection	2646	GCKR	NM_004120.3	Full Length 99-100% match
ccsbBroadEn_06267	ccsbBroad304_06267		BC130524	2651	GCNT2	no errors	hORFeome V8.1 Collection	2651	GCNT2	NM_000583.2	Full Length 99-100% match
ccsbBroadEn_06268	ccsbBroad304_06268		BC000790,BC020922	2653	GCSH	no errors	hORFeome V8.1 Collection	2653	GCSH	NM_001486.3	Full Length 99-100% match
ccsbBroadEn_06269	ccsbBroad304_06269		BC096228	2661	GDF9	no errors	hORFeome V8.1 Collection	2661	GDF9	NM_145655.3	Full Length 99-100% match
ccsbBroadEn_06270	ccsbBroad304_06270		BC014962	2674	GFRA1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2674	GFRA1	NM_004483.4	Full Length 99-100% match
ccsbBroadEn_06271	ccsbBroad304_06271	454	BC141843	2686	GGT7	no errors	hORFeome V8.1 Collection	2686	GGT7	NM_005260.3	Full Length 99-100% match
ccsbBroadEn_06272	ccsbBroad304_06272		BC113547	2693	GHSR	no errors	hORFeome V8.1 Collection	2693	GHSR	NM_145793.3;	Full Length 99-100% match
ccsbBroadEn_06273	ccsbBroad304_06273		BC096146	2695	GIP	no errors	hORFeome V8.1 Collection	2695	GIP	NM_001145453.1	Full Length 99-100% match
ccsbBroadEn_06274	ccsbBroad304_06274		BC026329	2697	GJA1	no errors	hORFeome V8.1 Collection	2697	GJA1	NM_178026.2	Full Length 99-100% match
ccsbBroadEn_06275	ccsbBroad304_06275		BC121137	2700	GJA3	no errors	hORFeome V8.1 Collection	2700	GJA3	NM_198407.2	Full Length 99-100% match
ccsbBroadEn_06276	ccsbBroad304_06276		BC027889	2701	GJA4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2701	GJA4	NM_004123.2	Full Length 99-100% match
ccsbBroadEn_06277	ccsbBroad304_06277		BC017048	2706	GJB2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2706	GJB2	NM_000165.3	Full Length 99-100% match
ccsbBroadEn_06278	ccsbBroad304_06278		BC042421	2710	GK	no errors	hORFeome V8.1 Collection	2710	GK	NM_000165.3	Full Length 99-100% match
ccsbBroadEn_06279	ccsbBroad304_06279		BC029820,BC058888	2712	GK2	no errors	hORFeome V8.1 Collection	2712	GK2	NM_021954.3	Full Length 99-100% match
ccsbBroadEn_06280	ccsbBroad304_06280		BC035972	2719	GPC3	no errors	hORFeome V8.1 Collection	2719	GPC3	NM_002060.2	Full Length 99-100% match
ccsbBroadEn_06281	ccsbBroad304_06281		BC007493	2720	GLB1	no errors	hORFeome V8.1 Collection	2720	GLB1	NM_004004.5	Full Length 99-100% match
ccsbBroadEn_06282	ccsbBroad304_06282	454	BC111993	2731	GLDC	no errors	hORFeome V8.1 Collection	2731	GLDC	NM_203391.2	Full Length 99-100% match
ccsbBroadEn_06283	ccsbBroad304_06283		BC030012	2733	GLE1	no errors	hORFeome V8.1 Collection	2733	GLE1	NM_033214.2	Full Length 99-100% match
ccsbBroadEn_06284	ccsbBroad304_06284	454	BC114947	2741	GLRA1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2741	GLRA1	NM_004484.3	Full Length 99-100% match
ccsbBroadEn_06285	ccsbBroad304_06285	454	BC040132	2746	GLUD1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2746	GLUD1	NM_000404.2	Full Length 99-100% match
ccsbBroadEn_06286	ccsbBroad304_06286		BC010037,BC018992	2752	GLUL	no errors	hORFeome V8.1 Collection	2752	GLUL	NM_000170.2	Full Length 99-100% match
ccsbBroadEn_06287	ccsbBroad304_06287		BC009273	2760	GM2A	no errors	hORFeome V8.1 Collection	2760	GM2A	NM_001003722.1	Full Length 99-100% match
ccsbBroadEn_06288	ccsbBroad304_06288		BC000117	2762	GMDS	no errors	hORFeome V8.1 Collection	2762	GMDS	NM_001146040.1	Full Length 99-100% match
ccsbBroadEn_06289	ccsbBroad304_06289		BC008281	2766	GMPR	no errors	hORFeome V8.1 Collection	2766	GMPR	NM_005271.3	Full Length 99-100% match
ccsbBroadEn_06290	ccsbBroad304_06290		BC013585	2769	GNA15	no errors	hORFeome V8.1 Collection	2769	GNA15	NM_002065.5;	Full Length 99-100% match
ccsbBroadEn_06291	ccsbBroad304_06291		BC026326	2770	GNAI1	no errors	hORFeome V8.1 Collection	2770	GNAI1	NM_001033044.2;	Full Length 99-100% match
ccsbBroadEn_06292	ccsbBroad304_06292		BC014627	2771	GNAI2	no errors	hORFeome V8.1 Collection	2771	GNAI2	NM_001033056.2	Full Length 99-100% match
ccsbBroadEn_06293	ccsbBroad304_06293		BC000233	2780	GNAT2	no errors	hORFeome V8.1 Collection	2780	GNAT2	NM_000405.4	Full Length 99-100% match
ccsbBroadEn_06294	ccsbBroad304_06294		BC026342	2781	GNAZ	no errors	hORFeome V8.1 Collection	2781	GNAZ	NM_001500.2	Full Length 99-100% match
ccsbBroadEn_06295	ccsbBroad304_06295		BC037333	2781	GNAZ	no errors	hORFeome V8.1 Collection	2781	GNAZ	NM_006877.3	Full Length 99-100% match
ccsbBroadEn_06296	ccsbBroad304_06296		BC078163	2781	GNAZ	no errors	hORFeome V8.1 Collection	2781	GNAZ	NM_000687.3	Full Length 99-100% match
ccsbBroadEn_06297	ccsbBroad304_06297		BC012348	2783	GNB2	no errors	hORFeome V8.1 Collection	2783	GNB2	NM_002068.2	Full Length 99-100% match
ccsbBroadEn_06298	ccsbBroad304_06298		BC009709	2791	GNG11	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2791	GNG11	NM_002069.5	Full Length 99-100% match
ccsbBroadEn_06299	ccsbBroad304_06299		BC013959,BC018366	2794	GNL1	no errors	hORFeome V8.1 Collection	2794	GNL1	NM_002070.2	Full Length 99-100% match
ccsbBroadEn_06300	ccsbBroad304_06300		BC032853	2800	GOLGA1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2800	GOLGA1	NM_002070.2	Full Length 99-100% match
ccsbBroadEn_06301	ccsbBroad304_06301		BC000525	2806	GOT2	no errors	hORFeome V8.1 Collection	2806	GOT2	NM_005272.3	Full Length 99-100% match
ccsbBroadEn_06302	ccsbBroad304_06302		BC000329,BC023552	2810	SFN	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2810	SFN	NM_002073.2	Full Length 99-100% match



ccsbBroadEn_06303	ccsbBroad304_06303		BC030229	2815	GP9	no errors	hORFeome V8.1 Collection	2815	GP9	NM_000174.3	Full Length 99-100% match
ccsbBroadEn_06304	ccsbBroad304_06304	454	BC051279	2817	GPC1	no errors	hORFeome V8.1 Collection	2817	GPC1	NM_002081.2	Full Length 99-100% match
ccsbBroadEn_06305	ccsbBroad304_06305		BC020748	2822	GPLD1	no errors	hORFeome V8.1 Collection	2822	GPLD1	NM_177483.1	Full Length 99-100% match
ccsbBroadEn_06306	ccsbBroad304_06306		BC044612	2823	GPM6A	no errors	hORFeome V8.1 Collection	2823	GPM6A	NM_005277.3;	Full Length 99-100% match
ccsbBroadEn_06307	ccsbBroad304_06307		BC107101	2831	NPBWR1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2831	NPBWR1	NM_005285.3	Full Length 99-100% match
ccsbBroadEn_06308	ccsbBroad304_06308		BC067481	2832	NPBWR2	no errors	hORFeome V8.1 Collection	2832	NPBWR2	NM_005286.2	Full Length 99-100% match
ccsbBroadEn_06309	ccsbBroad304_06309	454	BC136490	2837	UTS2R	no errors	hORFeome V8.1 Collection	2837	UTS2R	NM_018949.1	Full Length 99-100% match
ccsbBroadEn_06310	ccsbBroad304_06310		BC069437	2838	GPR15	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2838	GPR15	NM_005290.1	Full Length 99-100% match
ccsbBroadEn_06311	ccsbBroad304_06311		BC031653	2840	GPR17	no errors	hORFeome V8.1 Collection	2840	GPR17	NM_001161416.1;	Full Length 99-100% match
ccsbBroadEn_06312	ccsbBroad304_06312		BC117409	2843	GPR20	no errors	hORFeome V8.1 Collection	2843	GPR20	NM_005293.2	Full Length 99-100% match
ccsbBroadEn_06313	ccsbBroad304_06313		BC107128	2845	GPR22	no errors	hORFeome V8.1 Collection	2845	GPR22	NM_005295.2	Full Length 99-100% match
ccsbBroadEn_06314	ccsbBroad304_06314		BC069996	2846	LPAR4	no errors	hORFeome V8.1 Collection	2846	LPAR4	NM_005296.2	Full Length 99-100% match
ccsbBroadEn_06315	ccsbBroad304_06315		BC001736,BC021146	2847	MCHR1	no errors	hORFeome V8.1 Collection	2847	MCHR1	NM_005297.3	Full Length 99-100% match
ccsbBroadEn_06316	ccsbBroad304_06316		BC126386,BC126388	2848	GPR25	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2848	GPR25	NM_005298.2	Full Length 99-100% match
ccsbBroadEn_06317	ccsbBroad304_06317	454	BC112011,BC113462	2849	GPR26	no errors	hORFeome V8.1 Collection	2849	GPR26	NM_153442.3	Full Length 99-100% match
ccsbBroadEn_06318	ccsbBroad304_06318		BC011634	2852	GPFR	no errors	hORFeome V8.1 Collection	2852	GPFR	NM_001505.2;	Full Length 99-100% match
ccsbBroadEn_06319	ccsbBroad304_06319		BC117453,BC117455	2859	GPR35	no errors	hORFeome V8.1 Collection	2859	GPR35	NM_001098201.1	Full Length 99-100% match
ccsbBroadEn_06320	ccsbBroad304_06320		BC120944	2864	FFAR1	no errors	hORFeome V8.1 Collection	2864	FFAR1	NM_005303.2	Full Length 99-100% match
ccsbBroadEn_06321	ccsbBroad304_06321		BC117320	2868	GRK4	no errors	hORFeome V8.1 Collection	2868	GRK4	NM_182982.2	Full Length 99-100% match
ccsbBroadEn_06322	ccsbBroad304_06322		BC017272	2870	GRK6	no errors	hORFeome V8.1 Collection	2870	GRK6	NM_002082.3	Full Length 99-100% match
ccsbBroadEn_06323	ccsbBroad304_06323	454	BC022820,BC067221	2877	GPX2	early stop codon	hORFeome V8.1 Mutant Subcollection	2877	GPX2	NM_002083.2	Full Length 99-100% match
ccsbBroadEn_06324	ccsbBroad304_06324		BC032788	2882	GPX7	no errors	hORFeome V8.1 Collection	2882	GPX7	NM_015696.4	Full Length 99-100% match
ccsbBroadEn_06325	ccsbBroad304_06325		BC053559	2888	GRB14	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2888	GRB14	NM_004490.2	Full Length 99-100% match
ccsbBroadEn_06326	ccsbBroad304_06326		BC111734	2890	GRIA1	no errors	hORFeome V8.1 Collection	2890	GRIA1	NM_000827.3	Full Length 99-100% match
ccsbBroadEn_06327	ccsbBroad304_06327	454	BC093725	2918	GRM8	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2918	GRM8	NM_000845.2	Full Length 99-100% match
ccsbBroadEn_06328	ccsbBroad304_06328		BC036000	2923	PDIA3	no errors	hORFeome V8.1 Collection	2923	PDIA3	NM_005313.4	Full Length 99-100% match
ccsbBroadEn_06329	ccsbBroad304_06329	454	BC074733	2925	GRPR	no errors	hORFeome V8.1 Collection	2925	GRPR	NM_005314.2	Full Length 99-100% match
ccsbBroadEn_06330	ccsbBroad304_06330		BC002895	2939	GSTA2	no errors	hORFeome V8.1 Collection	2939	GSTA2	NM_000846.4	Full Length 99-100% match
ccsbBroadEn_06331	ccsbBroad304_06331		BC015523	2941	GSTA4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2941	GSTA4	NM_001512.3	Full Length 99-100% match
ccsbBroadEn_06332	ccsbBroad304_06332		BC110380	2946	GSTM2	no errors	hORFeome V8.1 Collection	2946	GSTM2	NM_000848.3	Full Length 99-100% match
ccsbBroadEn_06333	ccsbBroad304_06333		BC008790	2947	GSTM3	no errors	hORFeome V8.1 Collection	2947	GSTM3	NM_000849.4	Full Length 99-100% match
ccsbBroadEn_06334	ccsbBroad304_06334		BC058881	2949	GSTM5	no errors	hORFeome V8.1 Collection	2949	GSTM5	NM_000851.3	Full Length 99-100% match
ccsbBroadEn_06335	ccsbBroad304_06335		BC010915	2950	GSTP1	no errors	hORFeome V8.1 Collection	2950	GSTP1	NM_000852.3	Full Length 99-100% match
ccsbBroadEn_06336	ccsbBroad304_06336		BC007065	2952	GSTT1	no errors	hORFeome V8.1 Collection	2952	GSTT1	NM_000853.2	Full Length 99-100% match
ccsbBroadEn_06337	ccsbBroad304_06337		BC002415	2953	GSTT2	no errors	hORFeome V8.1 Collection	653689; 2953	GSTT2B; GSTT2	NM_001080843.2;	Full Length 99-100% match
ccsbBroadEn_06338	ccsbBroad304_06338		BC000287	2958	GTF2A2	1 synonomous error	hORFeome V8.1 Collection	2958	GTF2A2	NM_000854.3	Full Length 99-100% match
ccsbBroadEn_06339	ccsbBroad304_06339		BC001771	2963	GTF2F2	no errors	hORFeome V8.1 Collection	2963	GTF2F2	NM_004492.2	Full Length 99-100% match
ccsbBroadEn_06340	ccsbBroad304_06340		BC065250	2967	GTF2H3	no errors	hORFeome V8.1 Collection	2967	GTF2H3	NM_004128.2	Full Length 99-100% match
ccsbBroadEn_06341	ccsbBroad304_06341	454	BC093779	2981	GUCA2B	no errors	hORFeome V8.1 Collection	2981	GUCA2B	NM_001516.3	Full Length 99-100% match
ccsbBroadEn_06342	ccsbBroad304_06342		BC028384	2982	GUCY1A3	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	2982	GUCY1A3	NM_001130684.1;	Full Length 99-100% match
ccsbBroadEn_06343	ccsbBroad304_06343		BC047620	2983	GUCY1B3	no errors	hORFeome V8.1 Collection	2983	GUCY1B3	NM_000856.4;	Full Length 99-100% match
ccsbBroadEn_06344	ccsbBroad304_06344		BC005319	2993	GYPB	no errors	hORFeome V8.1 Collection	2993	GYPB	NM_001130683.2;	Full Length 99-100% match
ccsbBroadEn_06345	ccsbBroad304_06345		BC121077	2994	GYPB	no errors	hORFeome V8.1 Collection	2994	GYPB	NM_000856.4;	Full Length 99-100% match
ccsbBroadEn_06346	ccsbBroad304_06346		BC015739	3001	GZMA	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3001	GZMA	NM_001130682.1	Full Length 99-100% match
ccsbBroadEn_06347	ccsbBroad304_06347		BC130350	3010	HIST1H1T	no errors	hORFeome V8.1 Collection	3010	HIST1H1T	NM_002099.6	Full Length 99-100% match
ccsbBroadEn_06348	ccsbBroad304_06348		BC096122	3017	HIST1H2BD	no errors	hORFeome V8.1 Collection	3017	HIST1H2BD	NM_002100.4	Full Length 99-100% match
ccsbBroadEn_06349	ccsbBroad304_06349		BC000840	3029	HAGH	no errors	hORFeome V8.1 Collection	3029	HAGH	NM_006144.3	Full Length 99-100% match
ccsbBroadEn_06350	ccsbBroad304_06350		BC096097	3034	HAL	no errors	hORFeome V8.1 Collection	3034	HAL	NM_001040427.1	Full Length 99-100% match
ccsbBroadEn_06351	ccsbBroad304_06351		BC011807	3035	HARS	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3035	HARS	NM_002108.2	Full Length 99-100% match
ccsbBroadEn_06352	ccsbBroad304_06352		BC021853	3038	HAS3	no errors	hORFeome V8.1 Collection	3038	HAS3	NM_002109.3	Full Length 99-100% match
ccsbBroadEn_06353	ccsbBroad304_06353		BC007075	3043	HBB	no errors	hORFeome V8.1 Collection	3043	HBB	NM_138612.2	Full Length 99-100% match
ccsbBroadEn_06354	ccsbBroad304_06354		BC035028	3053	SERPIND1	no errors	hORFeome V8.1 Collection	3053	SERPIND1	NM_000518.4	Full Length 99-100% match
ccsbBroadEn_06355	ccsbBroad304_06355		BC016758	3059	HCLS1	no errors	hORFeome V8.1 Collection	3059	HCLS1	NM_000185.3	Full Length 99-100% match
ccsbBroadEn_06356	ccsbBroad304_06356	454	BC074796	3061	HCRTR1	1 synonomous error	hORFeome V8.1 Collection	3061	HCRTR1	NM_005335.4	Full Length 99-100% match
ccsbBroadEn_06357	ccsbBroad304_06357		BC130527	3067	HDC	no errors	hORFeome V8.1 Collection	3067	HDC	NM_001525.2	Full Length 99-100% match
ccsbBroadEn_06358	ccsbBroad304_06358		BC018991	3068	HDGF	no errors	hORFeome V8.1 Collection	3068	HDGF	NM_002112.3	Full Length 99-100% match
ccsbBroadEn_06359	ccsbBroad304_06359		BC018927	3073	HEXA	no errors	hORFeome V8.1 Collection	3073	HEXA	NM_004494.2	Full Length 99-100% match
ccsbBroadEn_06360	ccsbBroad304_06360		BC017378	3074	HEXB	3 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3074	HEXB	NM_000520.4	Full Length 99-100% match
ccsbBroadEn_06361	ccsbBroad304_06361		BC037285	3075	CFH	no errors	hORFeome V8.1 Collection	3075	CFH	NM_000521.3	Full Length 99-100% match
ccsbBroadEn_06362	ccsbBroad304_06362		BC063485	3082	HGF	no errors	hORFeome V8.1 Collection	3082	HGF	NM_001014975.2	Full Length 99-100% match
ccsbBroadEn_06363	ccsbBroad304_06363	454	BC112190	3083	HGFAC	no errors	hORFeome V8.1 Collection	3083	HGFAC	NM_001010934.1	Full Length 99-100% match
ccsbBroadEn_06364	ccsbBroad304_06364		BC007675	3084	NRG1	no errors	hORFeome V8.1 Collection	3084	NRG1	NM_001528.2	Full Length 99-100% match
ccsbBroadEn_06365	ccsbBroad304_06365		BC012527	3091	HIF1A	1 synonomous error	hORFeome V8.1 Collection	3091	HIF1A	NM_013959.3	Full Length 99-100% match
ccsbBroadEn_06366	ccsbBroad304_06366		BC110545	3092	HIP1	no errors	hORFeome V8.1 Collection	3092	HIP1	NM_001530.3	Full Length 99-100% match
ccsbBroadEn_06367	ccsbBroad304_06367		BC008730	3098	HK1	no errors	hORFeome V8.1 Collection	3098	HK1	NM_005338.4	Full Length 99-100% match
ccsbBroadEn_06368	ccsbBroad304_06368		BC028129	3101	HK3	no errors	hORFeome V8.1 Collection	3101	HK3	NM_000188.2	Full Length 99-100% match
ccsbBroadEn_06369	ccsbBroad304_06369		BC011447,BC026279	3108	HLA-DMA	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3108	HLA-DMA	NM_002115.2	Full Length 99-100% match
ccsbBroadEn_06370	ccsbBroad304_06370		BC027175	3109	HLA-DMB	no errors	hORFeome V8.1 Collection	3109	HLA-DMB	NM_006120.3	Full Length 99-100% match
ccsbBroadEn_06371	ccsbBroad304_06371		BC013183	3111	HLA-DOA	no errors	hORFeome V8.1 Collection	3111	HLA-DOA	NM_002118.4	Full Length 99-100% match
ccsbBroadEn_06372	ccsbBroad304_06372		BC007963	3115	HLA-DPB1	no errors	hORFeome V8.1 Collection	3115	HLA-DPB1	NM_002119.3	Full Length 99-100% match
ccsbBroadEn_06373	ccsbBroad304_06373		BC012106	3119	HLA-DQB1	no errors	hORFeome V8.1 Collection	100507710;	LOC100507710;	NM_002121.4	Full Length 99-100% match
ccsbBroadEn_06374	ccsbBroad304_06374		BC032350	3122	HLA-DRA	no errors	hORFeome V8.1 Collection	100507687	LOC100507687	XM_003119267.1;	Full Length 99-100% match
ccsbBroadEn_06375	ccsbBroad304_06375		BC071659	3122	HLA-DRA	no errors	hORFeome V8.1 Collection	3122	HLA-DRA	XM_003119432.1	Full Length 99-100% match
ccsbBroadEn_06376	ccsbBroad304_06376		BC002578	3133	HLA-E	no errors	hORFeome V8.1 Collection	3133	HLA-E	NM_019111.4	Full Length 99-100% match
ccsbBroadEn_06377	ccsbBroad304_06377		BC009260	3134	HLA-F	no errors	hORFeome V8.1 Collection	3134	HLA-F	NM_019111.4	Full Length 99-100% match
ccsbBroadEn_06378	ccsbBroad304_06378		BC062991	3134	HLA-F	no errors	hORFeome V8.1 Collection	3134	HLA-F	NM_005516.5	Full Length 99-100% match
ccsbBroadEn_06379	ccsbBroad304_06379		BC021708	3135	HLA-G	no errors	hORFeome V8.1 Collection	3135	HLA-G	NM_001098479.1	Full Length 99-100% match
ccsbBroadEn_06380	ccsbBroad304_06380		BC060787	3141	HLCS	no errors	hORFeome V8.1 Collection	3141	HLCS	NM_018950.2	Full Length 99-100% match
ccsbBroadEn_06381	ccsbBroad304_06381		BC003378	3146	HMGB1	no errors	hORFeome V8.1 Collection	3146	HMGB1	NM_002127.5	Full Length 99-100% match
ccsbBroadEn_06382	ccsbBroad304_06382		BC010570	3155	HMGCL	no errors	hORFeome V8.1 Collection	3155	HMGCL	NM_000411.5	Full Length 99-100% match
ccsbBroadEn_06383	ccsbBroad304_06383		BC108904	3161	HMMR	no errors	hORFeome V8.1 Collection	3161	HMMR	NM_002128.4	Full Length 99-100% match
ccsbBroadEn_06384	ccsbBroad304_06384		BC001491	3162	HMOX1	no errors	hORFeome V8.1 Collection	3162	HMOX1	NM_000191.2	Full Length 99-100% match
ccsbBroadEn_06385	ccsbBroad304_06385		BC033890	3169	FOXA1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3169	FOXA1	NM_001142556.1	Full Length 99-100% match



ccsbBroadEn_06386	ccsbBroad304_06386	I	BC020677	3176	HNMT	no errors	hORFeome V8.1 Collection	3176	HNMT	NM_006895.2	Full Length 99-100% match
ccsbBroadEn_06387	ccsbBroad304_06387	I	BC008423	3183	HNRNPC	no errors	hORFeome V8.1 Collection	3183	HNRNPC	NM_031314.2; NM_001077442.1	Full Length 99-100% match
ccsbBroadEn_06388	ccsbBroad304_06388	I	BC004254	3185	HNRNPF	no errors	hORFeome V8.1 Collection	3185	HNRNPF	NM_001098204.1; NM_001098205.1; NM_001098207.1; NM_001098206.1; NM_001098208.1; NM_004966.3	Full Length 99-100% match
ccsbBroadEn_06389	ccsbBroad304_06389	I	BC001432,BC015580	3185	HNRNPF	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3185	HNRNPF	NM_001098204.1; NM_001098205.1; NM_001098207.1; NM_001098206.1; NM_001098208.1; NM_004966.3	Full Length 99-100% match
ccsbBroadEn_06390	ccsbBroad304_06390	I	BC130345	3188	HNRNPH2	no errors	hORFeome V8.1 Collection	3188	HNRNPH2	NM_019597.3; NM_001032393.1	Full Length 99-100% match
ccsbBroadEn_06391	ccsbBroad304_06391	I	BC014980	3190	HNRNPK	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3190	HNRNPK	NM_031262.2	Full Length 99-100% match
ccsbBroadEn_06392	ccsbBroad304_06392	I	BC015345	3217	HOXB7	no errors	hORFeome V8.1 Collection	3217	HOXB7	NM_004502.3	Full Length 99-100% match
ccsbBroadEn_06393	ccsbBroad304_06393	I	BC050442	3221	HOXC4	no errors	hORFeome V8.1 Collection	3221	HOXC4	NM_153633.2; NM_014620.4	Full Length 99-100% match
ccsbBroadEn_06394	ccsbBroad304_06394	I	BC053894	3225	HOXC9	no errors	hORFeome V8.1 Collection	3225	HOXC9	NM_006897.1	Full Length 99-100% match
ccsbBroadEn_06395	ccsbBroad304_06395	I	BC001543	3227	HOXC11	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3227	HOXC11	NM_014212.3	Full Length 99-100% match
ccsbBroadEn_06396	ccsbBroad304_06396	I	BC005124,BC008789	3232	HOXD3	no errors	hORFeome V8.1 Collection	3232	HOXD3	NM_006898.4	Full Length 99-100% match
ccsbBroadEn_06397	ccsbBroad304_06397	I	BC121125	3240	HP	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3240	HP	NM_005143.3	Full Length 99-100% match
ccsbBroadEn_06398	ccsbBroad304_06398	I	BC025716	3249	HPN	no errors	hORFeome V8.1 Collection	3249	HPN	NM_182983.2; NM_002151.2	Full Length 99-100% match
ccsbBroadEn_06399	ccsbBroad304_06399	I	BC000175	3257	HPS1	no errors	hORFeome V8.1 Collection	3257	HPS1	NM_182639.1	Full Length 99-100% match
ccsbBroadEn_06400	ccsbBroad304_06400	I	BC017329	3268	AGFG2	no errors	hORFeome V8.1 Collection	3268	AGFG2	NM_006076.4	Full Length 99-100% match
ccsbBroadEn_06401	ccsbBroad304_06401	454	BC060802	3269	HRH1	no errors	hORFeome V8.1 Collection	3269	HRH1	NM_001098212.1; NM_000861.3; NM_001098213.1; NM_001098211.1	Full Length 99-100% match
ccsbBroadEn_06402	ccsbBroad304_06402	I	BC000727	3275	PRMT2	no errors	hORFeome V8.1 Collection	3275	PRMT2	NM_001535.2; NM_206962.1	Full Length 99-100% match
ccsbBroadEn_06403	ccsbBroad304_06403	I	BC012593	3290	HSD11B1	no errors	hORFeome V8.1 Collection	3290	HSD11B1	NM_005525.2; NM_181755.1	Full Length 99-100% match
ccsbBroadEn_06404	ccsbBroad304_06404	454	BC104752	3292	HSD17B1	no errors	hORFeome V8.1 Collection	3292	HSD17B1	NM_000413.2	Full Length 99-100% match
ccsbBroadEn_06405	ccsbBroad304_06405	I	BC008182	3301	DNAJA1	no errors	hORFeome V8.1 Collection	3301	DNAJA1	NM_001539.2	Full Length 99-100% match
ccsbBroadEn_06406	ccsbBroad304_06406	I	BC009322,BC018740	3303	HSPA1A	no errors	hORFeome V8.1 Collection	3304; 3303	HSPA1B; HSPA1A	NM_005346.4; NM_005345.5	Full Length 99-100% match
ccsbBroadEn_06407	ccsbBroad304_06407	I	BC034483	3305	HSPA1L	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3305	HSPA1L	NM_005527.3	Full Length 99-100% match
ccsbBroadEn_06408	ccsbBroad304_06408	I	BC036107	3306	HSPA2	no errors	hORFeome V8.1 Collection	3306	HSPA2	NM_021979.3	Full Length 99-100% match
ccsbBroadEn_06409	ccsbBroad304_06409	I	BC035665	3310	HSPA6	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3310	HSPA6	NM_002155.3	Full Length 99-100% match
ccsbBroadEn_06410	ccsbBroad304_06410	I	BC016179,BC016660	3312	HSPA8	no errors	hORFeome V8.1 Collection	3312	HSPA8	NM_006597.3	Full Length 99-100% match
ccsbBroadEn_06411	ccsbBroad304_06411	I	BC000478	3313	HSPA9	no errors	hORFeome V8.1 Collection	3313	HSPA9	NM_004134.6	Full Length 99-100% match
ccsbBroadEn_06412	ccsbBroad304_06412	I	BC121062	3320	HSP90AA1	no errors	hORFeome V8.1 Collection	3320	HSP90AA1	NM_005348.3	Full Length 99-100% match
ccsbBroadEn_06413	ccsbBroad304_06413	I	CCSB53186	3320	HSP90AA1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3320	HSP90AA1	NM_005348.3	Full Length 99-100% match
ccsbBroadEn_06414	ccsbBroad304_06414	I	BC003030	3329	HSPD1	no errors	hORFeome V8.1 Collection	3329	HSPD1	NM_002156.4; NM_199440.1	Full Length 99-100% match
ccsbBroadEn_06415	ccsbBroad304_06415	I	BC063305	3344	FOXN2	no errors	hORFeome V8.1 Collection	3344	FOXN2	NM_002158.3	Full Length 99-100% match
ccsbBroadEn_06416	ccsbBroad304_06416	I	BC007720	3352	HTR1D	no errors	hORFeome V8.1 Collection	3352	HTR1D	NM_000864.4	Full Length 99-100% match
ccsbBroadEn_06417	ccsbBroad304_06417	I	BC069751	3354	HTR1E	no errors	hORFeome V8.1 Collection	3354	HTR1E	NM_000865.2	Full Length 99-100% match
ccsbBroadEn_06418	ccsbBroad304_06418	I	BC063123	3357	HTR2B	no errors	hORFeome V8.1 Collection	3357	HTR2B	NM_000867.4	Full Length 99-100% match
ccsbBroadEn_06419	ccsbBroad304_06419	I	BC113468	3361	HTR5A	no errors	hORFeome V8.1 Collection	3361	HTR5A	NM_024012.2	Full Length 99-100% match
ccsbBroadEn_06420	ccsbBroad304_06420	454	BC058903	3385	ICAM3	no errors	hORFeome V8.1 Collection	3385	ICAM3	NM_002162.3	Full Length 99-100% match
ccsbBroadEn_06421	ccsbBroad304_06421	I	BC000613,BC012420	3397	ID1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3397	ID1	NM_002165.2	Full Length 99-100% match
ccsbBroadEn_06422	ccsbBroad304_06422	I	BC003107	3399	ID3	no errors	hORFeome V8.1 Collection	3399	ID3	NM_002167.3	Full Length 99-100% match
ccsbBroadEn_06423	ccsbBroad304_06423	I	BC001902	3421	IDH3G	no errors	hORFeome V8.1 Collection	3421	IDH3G	NM_004135.2	Full Length 99-100% match
ccsbBroadEn_06424	ccsbBroad304_06424	I	BC017059	3428	IFI16	no errors	hORFeome V8.1 Collection	3428	IFI16	NM_005531.2	Full Length 99-100% match
ccsbBroadEn_06425	ccsbBroad304_06425	I	BC032839	3433	IFIT2	no errors	hORFeome V8.1 Collection	3433	IFIT2	NM_001547.4	Full Length 99-100% match
ccsbBroadEn_06426	ccsbBroad304_06426	I	BC007091	3434	IFIT1	no errors	hORFeome V8.1 Collection	3434	IFIT1	NM_001548.3	Full Length 99-100% match
ccsbBroadEn_06427	ccsbBroad304_06427	I	BC001383	3437	IFIT3	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3437	IFIT3	NM_001031683.2; NM_001549.4	Full Length 99-100% match
ccsbBroadEn_06428	ccsbBroad304_06428	I	BC004977	3437	IFIT3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3437	IFIT3	NM_001031683.2; NM_001549.4	Full Length 99-100% match
ccsbBroadEn_06429	ccsbBroad304_06429	I	BC103972	3446	IFNA10	no errors	hORFeome V8.1 Collection	3446	IFNA10	NM_002171.1	Full Length 99-100% match
ccsbBroadEn_06430	ccsbBroad304_06430	I	BC069427	3447	IFNA13	no errors	hORFeome V8.1 Collection	3439	IFNA1	NM_024013.1	Full Length 99-100% match
ccsbBroadEn_06431	ccsbBroad304_06431	I	BC002793	3455	IFNAR2	no errors	hORFeome V8.1 Collection	3455	IFNAR2	NM_000874.3; NM_207584.1	Full Length 99-100% match
ccsbBroadEn_06432	ccsbBroad304_06432	454	BC057806	3484	IGFBP1	no errors	hORFeome V8.1 Collection	3484	IGFBP1	NM_000596.2	Full Length 99-100% match
ccsbBroadEn_06433	ccsbBroad304_06433	454	BC105088	3508	IGHMBP2	no errors	hORFeome V8.1 Collection	3508	IGHMBP2	NM_002180.2	Full Length 99-100% match
ccsbBroadEn_06434	Failed LR reaction	I	BC038982	3512	IGJ	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3512	IGJ	NM_144646.3	Full Length 99-100% match
ccsbBroadEn_06435	ccsbBroad304_06435	I	BC020780	3516	RBPJ	no errors	hORFeome V8.1 Collection	3516	RBPJ	NM_203283.1	Full Length 99-100% match
ccsbBroadEn_06436	ccsbBroad304_06436	I	BC012293	3543	IGLL1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3543	IGLL1	NM_020070.2	Full Length 99-100% match
ccsbBroadEn_06437	ccsbBroad304_06437	I	BC009745	3557	IL1RN	no errors	hORFeome V8.1 Collection	3557	IL1RN	NM_000577.4	Full Length 99-100% match
ccsbBroadEn_06438	ccsbBroad304_06438	I	BC025691	3560	IL2RB	no errors	hORFeome V8.1 Collection	3560	IL2RB	NM_000878.2	Full Length 99-100% match
ccsbBroadEn_06439	ccsbBroad304_06439	454	BC066282	3567	IL5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3567	IL5	NM_000879.2	Full Length 99-100% match
ccsbBroadEn_06440	ccsbBroad304_06440	I	BC027599	3568	IL5RA	no errors	hORFeome V8.1 Collection	3568	IL5RA	NM_175728.2; NM_175725.2	Full Length 99-100% match
ccsbBroadEn_06441	ccsbBroad304_06441	454	BC027599	3568	IL5RA	no errors	hORFeome V8.1 Collection	3568	IL5RA	NM_175728.2; NM_175725.2	Full Length 99-100% match
ccsbBroadEn_06442	Failed LR reaction	I	BC028221	3577	CXCR1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3577	CXCR1	NM_000634.2	Full Length 99-100% match
ccsbBroadEn_06443	ccsbBroad304_06443	I	BC028082	3587	IL10RA	no errors	hORFeome V8.1 Collection	3587	IL10RA	NM_001558.3	Full Length 99-100% match
ccsbBroadEn_06444	ccsbBroad304_06444	I	BC067499	3593	IL12B	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3593	IL12B	NM_002187.2	Full Length 99-100% match
ccsbBroadEn_06445	ccsbBroad304_06445	I	BC029121	3594	IL12RB1	no errors	hORFeome V8.1 Collection	3594	IL12RB1	NM_153701.1	Full Length 99-100% match
ccsbBroadEn_06446	ccsbBroad304_06446	454	BC104772	3595	IL12RB2	no errors	hORFeome V8.1 Collection	3595	IL12RB2	NM_001559.2	Full Length 99-100% match
ccsbBroadEn_06447	ccsbBroad304_06447	I	BC066251	3605	IL17A	no errors	hORFeome V8.1 Collection	3605	IL17A	NM_002190.2	Full Length 99-100% match
ccsbBroadEn_06448	ccsbBroad304_06448	I	BC007007,BC007461	3606	IL18	no errors	hORFeome V8.1 Collection	3606	IL18	NM_001562.2	Full Length 99-100% match
ccsbBroadEn_06449	ccsbBroad304_06449	I	BC064836	3609	ILF3	no errors	hORFeome V8.1 Collection	3609	ILF3	NM_001137673.1	Full Length 99-100% match
ccsbBroadEn_06450	ccsbBroad304_06450	I	BC001554	3611	ILK	no errors	hORFeome V8.1 Collection	3611	ILK	NM_004517.2; NM_001014795.1; NM_001014794.1	Full Length 99-100% match



ccsbBroadEn_06451	ccsbBroad304_06451	454	BC033622	3614	IMPDH1	no errors	hORFeome V8.1 Collection	3614	IMPDH1	NM_183243.2	Full Length 99-100% match
ccsbBroadEn_06452	ccsbBroad304_06452		BC117450,BC117452	3617	IMPG1	no errors	hORFeome V8.1 Collection	3617	IMPG1	NM_001563.2	Full Length 99-100% match
ccsbBroadEn_06453	ccsbBroad304_06453		BC030128	3622	ING2	no errors	hORFeome V8.1 Collection	3622	ING2	NM_001564.2	Full Length 99-100% match
ccsbBroadEn_06454	ccsbBroad304_06454		BC010954	3627	CXCL10	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3627	CXCL10	NM_001565.2	Full Length 99-100% match
ccsbBroadEn_06455	ccsbBroad304_06455		BC028361	3631	INPP4A	no errors	hORFeome V8.1 Collection	3631	INPP4A	NM_001134225.1	Full Length 99-100% match
ccsbBroadEn_06456	ccsbBroad304_06456		BC106722	3640	INSL3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3640	INSL3	NM_005543.2	Full Length 99-100% match
ccsbBroadEn_06457	Failed LR reaction	454	BC136455	3655	ITGA6	no errors	hORFeome V8.1 Collection	3655	ITGA6	NM_000210.2	Full Length 99-100% match
ccsbBroadEn_06458	ccsbBroad304_06458		BC009395	3661	IRF3	no errors	hORFeome V8.1 Collection	3661	IRF3	NM_001197122.1	Full Length 99-100% match
ccsbBroadEn_06459	ccsbBroad304_06459		BC015752	3662	IRF4	no errors	hORFeome V8.1 Collection	3662	IRF4	NM_002460.3	Full Length 99-100% match
ccsbBroadEn_06460	ccsbBroad304_06460		BC031213	3670	ISL1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3670	ISL1	NM_002202.2	Full Length 99-100% match
ccsbBroadEn_06461	ccsbBroad304_06461		BC022478	3671	ISLR	no errors	hORFeome V8.1 Collection	3671	ISLR	NM_005545.3; NM_201526.1	Full Length 99-100% match
ccsbBroadEn_06462	ccsbBroad304_06462		BC113436,BC117207	3682	ITGAE	no errors	hORFeome V8.1 Collection	3682	ITGAE	NM_002208.4	Full Length 99-100% match
ccsbBroadEn_06463	ccsbBroad304_06463		BC096346	3684	ITGAM	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3684	ITGAM	NM_000632.3	Full Length 99-100% match
ccsbBroadEn_06464	ccsbBroad304_06464		BC005861	3689	ITGB2	no errors	hORFeome V8.1 Collection	3689	ITGB2	NM_001127491.1; NM_000211.3	Full Length 99-100% match
ccsbBroadEn_06465	ccsbBroad304_06465		BC001119,BC019305	3692	EIF6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3692	EIF6	NM_002212.2; NM_181468.1	Full Length 99-100% match
ccsbBroadEn_06466	ccsbBroad304_06466		BC011865	3728	JUP	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3728	JUP	NM_002230.2; NM_021991.2	Full Length 99-100% match
ccsbBroadEn_06467	ccsbBroad304_06467	454	BC137426	3730	KAL1	no errors	hORFeome V8.1 Collection	3730	KAL1	NM_000216.2	Full Length 99-100% match
ccsbBroadEn_06468	ccsbBroad304_06468		BC000726	3732	CD82	no errors	hORFeome V8.1 Collection	3732	CD82	NM_002231.3	Full Length 99-100% match
ccsbBroadEn_06469	ccsbBroad304_06469		BC004132	3735	KARS	no errors	hORFeome V8.1 Collection	3735	KARS	NM_005548.2	Full Length 99-100% match
ccsbBroadEn_06470	ccsbBroad304_06470	454	BC101733	3736	KCNA1	no errors	hORFeome V8.1 Collection	3736	KCNA1	NM_000217.2	Full Length 99-100% match
ccsbBroadEn_06471	ccsbBroad304_06471		BC099665	3741	KCNA5	no errors	hORFeome V8.1 Collection	3741	KCNA5	NM_002234.2	Full Length 99-100% match
ccsbBroadEn_06472	ccsbBroad304_06472	454	BC140906	3743	KCNA7	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3743	KCNA7	NM_031886.2	Full Length 99-100% match
ccsbBroadEn_06473	ccsbBroad304_06473	454	BC074990	3744	KCNA10	no errors	hORFeome V8.1 Collection	3744	KCNA10	NM_005549.2	Full Length 99-100% match
ccsbBroadEn_06474	ccsbBroad304_06474		BC107129	3746	KCNC1	no errors	hORFeome V8.1 Collection	3746	KCNC1	NM_004976.4	Full Length 99-100% match
ccsbBroadEn_06475	ccsbBroad304_06475		BC113475	3752	KCND3	no errors	hORFeome V8.1 Collection	3752	KCND3	NM_172198.1	Full Length 99-100% match
ccsbBroadEn_06476	ccsbBroad304_06476		BC022495	3760	KCNJ3	no errors	hORFeome V8.1 Collection	3760	KCNJ3	NM_002239.2	Full Length 99-100% match
ccsbBroadEn_06477	ccsbBroad304_06477		BC069482,BC069499	3762	KCNJ5	no errors	hORFeome V8.1 Collection	3762	KCNJ5	NM_000890.3	Full Length 99-100% match
ccsbBroadEn_06478	ccsbBroad304_06478	454	BC101547	3763	KCNJ6	no errors	hORFeome V8.1 Collection	3763	KCNJ6	NM_002240.2	Full Length 99-100% match
ccsbBroadEn_06479	ccsbBroad304_06479		BC034036	3766	KCNJ10	no errors	hORFeome V8.1 Collection	3766	KCNJ10	NM_002241.4	Full Length 99-100% match
ccsbBroadEn_06480	ccsbBroad304_06480		BC112358	3767	KCNJ11	no errors	hORFeome V8.1 Collection	3767	KCNJ11	NM_000525.3	Full Length 99-100% match
ccsbBroadEn_06481	ccsbBroad304_06481	454	BC064497	3767	KCNJ11	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3767	KCNJ11	NM_000525.3	Full Length 99-100% match
ccsbBroadEn_06482	ccsbBroad304_06482		BC037290	3769	KCNJ13	no errors	hORFeome V8.1 Collection	3769	KCNJ13	NM_002242.4	Full Length 99-100% match
ccsbBroadEn_06483	ccsbBroad304_06483		BC018051	3775	KCNK1	no errors	hORFeome V8.1 Collection	3775	KCNK1	NM_002245.3	Full Length 99-100% match
ccsbBroadEn_06484	ccsbBroad304_06484		BC004148,BC004987	3790	KCNS3	no errors	hORFeome V8.1 Collection	3790	KCNS3	NM_002252.3	Full Length 99-100% match
ccsbBroadEn_06485	ccsbBroad304_06485		BC015947	3790	KCNS3	no errors	hORFeome V8.1 Collection	3790	KCNS3	NM_002252.3	Full Length 99-100% match
ccsbBroadEn_06486	ccsbBroad304_06486		BC006233	3795	KHK	no errors	hORFeome V8.1 Collection	3795	KHK	NM_000221.2	Full Length 99-100% match
ccsbBroadEn_06487	ccsbBroad304_06487		BC032422,BC050730	3804	KIR2DL3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3804	KIR2DL3	NM_015868.2	Full Length 99-100% match
ccsbBroadEn_06488	ccsbBroad304_06488		BC041611	3805	KIR2DL4	no errors	hORFeome V8.1 Collection	3805	KIR2DL4	NM_002255.5	Full Length 99-100% match
ccsbBroadEn_06489	ccsbBroad304_06489		BC028206	3811	KIR3DL1	no errors	hORFeome V8.1 Collection	3811	KIR3DL1	NM_013289.2	Full Length 99-100% match
ccsbBroadEn_06490	ccsbBroad304_06490		BC005313	3816	KLK1	no errors	hORFeome V8.1 Collection	3816	KLK1	NM_002257.2	Full Length 99-100% match
ccsbBroadEn_06491	ccsbBroad304_06491		BC005196	3817	KLK2	no errors	hORFeome V8.1 Collection	3817	KLK2	NM_005551.3	Full Length 99-100% match
ccsbBroadEn_06492	ccsbBroad304_06492		BC117351	3818	KLKB1	no errors	hORFeome V8.1 Collection	3818	KLKB1	NM_000892.3	Full Length 99-100% match
ccsbBroadEn_06493	ccsbBroad304_06493		BC117349	3818	KLKB1	no errors	hORFeome V8.1 Collection	3818	KLKB1	NM_000892.3	Full Length 99-100% match
ccsbBroadEn_06494	ccsbBroad304_06494		BC012550	3821	KLRC1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3821	KLRC1	NM_213657.2; NM_007328.3	Full Length 99-100% match
ccsbBroadEn_06495	ccsbBroad304_06495	454	BC112039	3822	KLRC2	no errors	hORFeome V8.1 Collection	3822	KLRC2	NM_002260.3	Full Length 99-100% match
ccsbBroadEn_06496	ccsbBroad304_06496		BC060039	3827	KNG1	no errors	hORFeome V8.1 Collection	3827	KNG1	NM_000893.3	Full Length 99-100% match
ccsbBroadEn_06497	ccsbBroad304_06497		BC130489	3834	KIF25	no errors	hORFeome V8.1 Collection	3834	KIF25	NM_005355.3	Full Length 99-100% match
ccsbBroadEn_06498	ccsbBroad304_06498		BC002374	3836	KPNA1	no errors	hORFeome V8.1 Collection	3836	KPNA1	NM_002264.3	Full Length 99-100% match
ccsbBroadEn_06499	ccsbBroad304_06499		BC005978	3838	KPNA2	no errors	hORFeome V8.1 Collection	3838	KPNA2	NM_002266.2	Full Length 99-100% match
ccsbBroadEn_06500	ccsbBroad304_06500		BC053343	3838	KPNA2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3838	KPNA2	NM_002266.2	Full Length 99-100% match
ccsbBroadEn_06501	ccsbBroad304_06501		BC067848	3838	KPNA2	no errors	hORFeome V8.1 Collection	3838	KPNA2	NM_002266.2	Full Length 99-100% match
ccsbBroadEn_06502	ccsbBroad304_06502		BC035090	3839	KPNA3	no errors	hORFeome V8.1 Collection	3839	KPNA3	NM_002267.3	Full Length 99-100% match
ccsbBroadEn_06503	ccsbBroad304_06503	454	BC063697	3848	KRT1	no errors	hORFeome V8.1 Collection	3848	KRT1	NM_006121.3	Full Length 99-100% match
ccsbBroadEn_06504	ccsbBroad304_06504		BC014152	3853	KRT6A	no errors	hORFeome V8.1 Collection	3853	KRT6A	NM_005554.3	Full Length 99-100% match
ccsbBroadEn_06505	ccsbBroad304_06505		BC002700	3855	KRT7	no errors	hORFeome V8.1 Collection	3855	KRT7	NM_005556.3	Full Length 99-100% match
ccsbBroadEn_06506	ccsbBroad304_06506		BC077718,BC126184	3860	KRT13	no errors	hORFeome V8.1 Collection	3860	KRT13	NM_153490.2	Full Length 99-100% match
ccsbBroadEn_06507	ccsbBroad304_06507		BC000180,BC020982	3875	KRT18	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3875	KRT18	NM_000224.2; NM_199187.1	Full Length 99-100% match
ccsbBroadEn_06508	ccsbBroad304_06508		BC000698	3875	KRT18	no errors	hORFeome V8.1 Collection	3875	KRT18	NM_199187.1	Full Length 99-100% match
ccsbBroadEn_06509	ccsbBroad304_06509		BC010409	3880	KRT19	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3880	KRT19	NM_002276.4	Full Length 99-100% match
ccsbBroadEn_06510	ccsbBroad304_06510	454	BC041070	3885	KRT34	no errors	hORFeome V8.1 Collection	3885	KRT34	NM_021013.3	Full Length 99-100% match
ccsbBroadEn_06511	ccsbBroad304_06511		BC117465,BC117467	3887	KRT81	no errors	hORFeome V8.1 Collection	3887	KRT81	NM_002281.3	Full Length 99-100% match
ccsbBroadEn_06512	ccsbBroad304_06512		BC002965	3920	LAMP2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3920	LAMP2	NM_013995.2	Full Length 99-100% match
ccsbBroadEn_06513	ccsbBroad304_06513		BC013827,BC053370	3921	RPSA	no errors	hORFeome V8.1 Collection	3921	RPSA	NM_001012321.1; NM_002295.4	Full Length 99-100% match
ccsbBroadEn_06514	ccsbBroad304_06514		BC066941	3921	RPSA	no errors	hORFeome V8.1 Collection	3921	RPSA	NM_001012321.1; NM_002295.4	Full Length 99-100% match
ccsbBroadEn_06515	ccsbBroad304_06515		BC014353	3925	STMN1	no errors	hORFeome V8.1 Collection	3925	STMN1	NM_005563.3; NM_203399.1	Full Length 99-100% match
ccsbBroadEn_06516	ccsbBroad304_06516		BC012460	3927	LASP1	3 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	3927	LASP1	NM_006148.2	Full Length 99-100% match
ccsbBroadEn_06517	ccsbBroad304_06517		BC007673,BC010271	3936	LCP1	no errors	hORFeome V8.1 Collection	3936	LCP1	NM_002298.4	Full Length 99-100% match
ccsbBroadEn_06518	ccsbBroad304_06518		BC067223	3939	LDHA	no errors	hORFeome V8.1 Collection	3939	LDHA	NM_005566.3	Full Length 99-100% match
ccsbBroadEn_06519	ccsbBroad304_06519	454	BC093670	3950	LECT2	no errors	hORFeome V8.1 Collection	3950	LECT2	NM_002302.2	Full Length 99-100% match
ccsbBroadEn_06520	ccsbBroad304_06520		BC069323	3952	LEP	no errors	hORFeome V8.1 Collection	3952	LEP	NM_000230.2	Full Length 99-100% match
ccsbBroadEn_06521	ccsbBroad304_06521		BC053667	3958	LGALS3	no errors	hORFeome V8.1 Collection	3958	LGALS3	NM_002306.3	Full Length 99-100% match
ccsbBroadEn_06522	ccsbBroad304_06522		BC015761	3959	LGALS3BP	no errors	hORFeome V8.1 Collection	3959	LGALS3BP	NM_005567.3	Full Length 99-100% match
ccsbBroadEn_06523	ccsbBroad304_06523	454	BC108318	3978	LIG1	no errors	hORFeome V8.1 Collection	3978	LIG1	NM_000234.1	Full Length 99-100% match
ccsbBroadEn_06524	ccsbBroad304_06524		BC005341	3987	LIMS1	no errors	hORFeome V8.1 Collection	3987	LIMS1	NM_004987.4; NM_001193488.1	Full Length 99-100% match
ccsbBroadEn_06525	ccsbBroad304_06525		BC012287	3988	LIPA	no errors	hORFeome V8.1 Collection	3988	LIPA	NM_000235.2; NM_001127605.1	Full Length 99-100% match
ccsbBroadEn_06526	ccsbBroad304_06526		BC132825	3990	LIPC	no errors	hORFeome V8.1 Collection	3990	LIPC	NM_000236.2	Full Length 99-100% match
ccsbBroadEn_06527	ccsbBroad304_06527	454	BC064994	3993	LLGL2	no errors	hORFeome V8.1 Collection	3993	LLGL2	NM_001031803.1	Full Length 99-100% match
ccsbBroadEn_06528	ccsbBroad304_06528		BC004901	3995	FADS3	no errors	hORFeome V8.1 Collection	3995	FADS3	NM_021727.3	Full Length 99-100% match
ccsbBroadEn_06529	ccsbBroad304_06529		BC012295	4001	LMNB1	no errors	hORFeome V8.1 Collection	4001	LMNB1	NM_005573.3	Full Length 99-100% match
ccsbBroadEn_06530	ccsbBroad304_06530		BC069752,BC069793	4004	LMO1	no errors	hORFeome V8.1 Collection	4004	LMO1	NM_002315.1	Full Length 99-100% match



ccsbBroadEn_06531	ccsbBroad304_06531		BC034041,BC035607	4005	LMO2	no errors	hORFeome V8.1 Collection	4005	LMO2	NM_001142315.1; NM_001142316.1	Full Length 99-100% match
ccsbBroadEn_06532	ccsbBroad304_06532		BC042426	4005	LMO2	no errors	hORFeome V8.1 Collection	4005	LMO2	NM_001142315.1; NM_001142316.1	Full Length 99-100% match
ccsbBroadEn_06533	ccsbBroad304_06533		BC002468,BC016856	4007	PRICKLE3	1 synonymous error	hORFeome V8.1 Collection	4007	PRICKLE3	NM_006150.3	Full Length 99-100% match
ccsbBroadEn_06534	ccsbBroad304_06534		CCSB53326	4012	LNPEP	early stop codon	hORFeome V8.1 Mutant Subcollection	4012	LNPEP	NM_175920.3	Full Length 99-100% match
ccsbBroadEn_06535	ccsbBroad304_06535		BC011353	4023	LPL	no errors	hORFeome V8.1 Collection	4023	LPL	NM_000237.2	Full Length 99-100% match
ccsbBroadEn_06536	ccsbBroad304_06536	454	BC130584	4026	LPP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4026	LPP	NM_005578.3; NM_001167671.1	Full Length 99-100% match
ccsbBroadEn_06537	ccsbBroad304_06537		BC126417	4033	LRMP	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	4033	LRMP	NM_006152.2	Full Length 99-100% match
ccsbBroadEn_06538	ccsbBroad304_06538		BC001785	4046	LSP1	no errors	hORFeome V8.1 Collection	4046	LSP1	NM_002339.2	Full Length 99-100% match
ccsbBroadEn_06539	ccsbBroad304_06539		BC035638	4047	LSS	no errors	hORFeome V8.1 Collection	4047	LSS	NM_002340.5; NM_001001438.2; NM_001145437.1	Full Length 99-100% match
ccsbBroadEn_06540	ccsbBroad304_06540		BC034729	4049	LTA	no errors	hORFeome V8.1 Collection	4049	LTA	NM_000595.2; NM_001159740.1	Full Length 99-100% match
ccsbBroadEn_06541	ccsbBroad304_06541	454	BC078659	4053	LTBP2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4053	LTBP2	NM_000428.2	Full Length 99-100% match
ccsbBroadEn_06542	ccsbBroad304_06542		BC026262	4055	LTBR	no errors	hORFeome V8.1 Collection	4055	LTBR	NM_002342.1	Full Length 99-100% match
ccsbBroadEn_06543	ccsbBroad304_06543		BC035997	4060	LUM	no errors	hORFeome V8.1 Collection	4060	LUM	NM_002345.3	Full Length 99-100% match
ccsbBroadEn_06544	ccsbBroad304_06544		BC028894	4062	LY6H	1 synonymous error	hORFeome V8.1 Collection	4062	LY6H	NM_002347.4	Full Length 99-100% match
ccsbBroadEn_06545	ccsbBroad304_06545		BC109069	4064	CD180	no errors	hORFeome V8.1 Collection	4064	CD180	NM_005582.2	Full Length 99-100% match
ccsbBroadEn_06546	ccsbBroad304_06546		BC126458	4067	LYN	no errors	hORFeome V8.1 Collection	4067	LYN	NM_002350.2	Full Length 99-100% match
ccsbBroadEn_06547	ccsbBroad304_06547		BC009409	4070	TACSTD2	no errors	hORFeome V8.1 Collection	4070	TACSTD2	NM_002353.2	Full Length 99-100% match
ccsbBroadEn_06548	ccsbBroad304_06548		BC069377,BC069433	4084	MXD1	no errors	hORFeome V8.1 Collection	4084	MXD1	NM_002357.2	Full Length 99-100% match
ccsbBroadEn_06549	ccsbBroad304_06549		BC050743	4088	SMAD3	no errors	hORFeome V8.1 Collection	4088	SMAD3	NM_005902.3	Full Length 99-100% match
ccsbBroadEn_06550	ccsbBroad304_06550		BC053347	4099	MAG	no errors	hORFeome V8.1 Collection	4099	MAG	NM_002361.3	Full Length 99-100% match
ccsbBroadEn_06551	ccsbBroad304_06551		BC017555	4100	MAGEA1	no errors	hORFeome V8.1 Collection	4100	MAGEA1	NM_004988.4	Full Length 99-100% match
ccsbBroadEn_06552	ccsbBroad304_06552		BC017723	4103	MAGEA4	no errors	hORFeome V8.1 Collection	4103	MAGEA4	NM_002362.4; NM_0010111550.1; NM_0010111549.1; NM_0010111548.1	Full Length 99-100% match
ccsbBroadEn_06553	ccsbBroad304_06553		BC002455,BC012744	4107	MAGEA8	1 synonymous error	hORFeome V8.1 Collection	4107	MAGEA8	NM_005364.4; NM_001166400.1; NM_001166401.1	Full Length 99-100% match
ccsbBroadEn_06554	ccsbBroad304_06554		BC026071	4113	MAGEB2	no errors	hORFeome V8.1 Collection	4113	MAGEB2	NM_002364.4	Full Length 99-100% match
ccsbBroadEn_06555	ccsbBroad304_06555		BC126320,BC126322	4114	MAGEB3	no errors	hORFeome V8.1 Collection	4114	MAGEB3	NM_002365.4	Full Length 99-100% match
ccsbBroadEn_06556	ccsbBroad304_06556		BC032852	4115	MAGEB4	no errors	hORFeome V8.1 Collection	4115	MAGEB4	NM_002367.3	Full Length 99-100% match
ccsbBroadEn_06557	ccsbBroad304_06557		BC008064	4128	MAOA	1 synonymous error	hORFeome V8.1 Collection	4128	MAOA	NM_000240.2	Full Length 99-100% match
ccsbBroadEn_06558	ccsbBroad304_06558		BC022494	4129	MAOB	no errors	hORFeome V8.1 Collection	4129	MAOB	NM_000898.4	Full Length 99-100% match
ccsbBroadEn_06559	ccsbBroad304_06559		BC038857	4133	MAP2	no errors	hORFeome V8.1 Collection	4133	MAP2	NM_001039538.1	Full Length 99-100% match
ccsbBroadEn_06560	ccsbBroad304_06560		BC024773	4140	MARK3	no errors	hORFeome V8.1 Collection	4140	MARK3	NM_002376.5	Full Length 99-100% match
ccsbBroadEn_06561	ccsbBroad304_06561	454	BC002384,BC011849	4141	MARS	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4141	MARS	NM_004990.2	Full Length 99-100% match
ccsbBroadEn_06562	ccsbBroad304_06562		BC018359	4143	MAT1A	no errors	hORFeome V8.1 Collection	4143	MAT1A	NM_000429.2	Full Length 99-100% match
ccsbBroadEn_06563	ccsbBroad304_06563	454	BC010444	4147	MATN2	no errors	hORFeome V8.1 Collection	4147	MATN2	NM_030583.2	Full Length 99-100% match
ccsbBroadEn_06564	ccsbBroad304_06564		BC036092	4149	MAX	no errors	hORFeome V8.1 Collection	4149	MAX	NM_145116.1	Full Length 99-100% match
ccsbBroadEn_06565	ccsbBroad304_06565		BC014547	4151	MB	no errors	hORFeome V8.1 Collection	4151	MB	NM_005368.2; NM_203377.1; NM_203378.1	Full Length 99-100% match
ccsbBroadEn_06566	ccsbBroad304_06566		BC069599	4159	MC3R	no errors	hORFeome V8.1 Collection	4159	MC3R	NM_019888.3	Full Length 99-100% match
ccsbBroadEn_06567	ccsbBroad304_06567		BC056418	4162	MCAM	no errors	hORFeome V8.1 Collection	4162	MCAM	NM_006500.2	Full Length 99-100% match
ccsbBroadEn_06568	Failed LR reaction		BC007670,BC014272	4171	MCM2	no errors	hORFeome V8.1 Collection	4171	MCM2	NM_004526.2	Full Length 99-100% match
ccsbBroadEn_06569	ccsbBroad304_06569		BC003656	4174	MCM5	no errors	hORFeome V8.1 Collection	4174	MCM5	NM_006739.3	Full Length 99-100% match
ccsbBroadEn_06570	ccsbBroad304_06570		BC000142	4174	MCM5	no errors	hORFeome V8.1 Collection	4174	MCM5	NM_006739.3	Full Length 99-100% match
ccsbBroadEn_06571	ccsbBroad304_06571		BC032374	4175	MCM6	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4175	MCM6	NM_005915.4	Full Length 99-100% match
ccsbBroadEn_06572	ccsbBroad304_06572		BC013375	4176	MCM7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4176	MCM7	NM_005916.3	Full Length 99-100% match
ccsbBroadEn_06573	ccsbBroad304_06573		BC030594	4179	CD46	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4179	CD46	NM_153826.3	Full Length 99-100% match
ccsbBroadEn_06574	ccsbBroad304_06574		BC001917	4191	MDH2	no errors	hORFeome V8.1 Collection	4191	MDH2	NM_005918.2	Full Length 99-100% match
ccsbBroadEn_06575	ccsbBroad304_06575		BC013437	4205	MEF2A	1 synonymous error	hORFeome V8.1 Collection	4205	MEF2A	NM_005587.2	Full Length 99-100% match
ccsbBroadEn_06576	ccsbBroad304_06576		BC131714	4224	MEP1A	no errors	hORFeome V8.1 Collection	4224	MEP1A	NM_005588.2	Full Length 99-100% match
ccsbBroadEn_06577	ccsbBroad304_06577		BC026244	4238	MFAP3	no errors	hORFeome V8.1 Collection	4238	MFAP3	NM_005927.4	Full Length 99-100% match
ccsbBroadEn_06578	ccsbBroad304_06578		BC062415	4239	MFAP4	no errors	hORFeome V8.1 Collection	4239	MFAP4	NM_002404.2	Full Length 99-100% match
ccsbBroadEn_06579	ccsbBroad304_06579		BC003610	4240	MFGE8	no errors	hORFeome V8.1 Collection	4240	MFGE8	NM_001114614.1	Full Length 99-100% match
ccsbBroadEn_06580	ccsbBroad304_06580		BC003575	4245	MGAT1	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	4245	MGAT1	NM_001114620.1; NM_001114619.1; NM_001114617.1; NM_002406.3;	Full Length 99-100% match
ccsbBroadEn_06581	ccsbBroad304_06581		BC005272	4256	MGP	no errors	hORFeome V8.1 Collection	4256	MGP	NM_000900.3	Full Length 99-100% match
ccsbBroadEn_06582	ccsbBroad304_06582	454	BC005923	4257	MGST1	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4257	MGST1	NM_020300.3; NM_145764.1; NM_145791.1; NM_145792.1	Full Length 99-100% match
ccsbBroadEn_06583	ccsbBroad304_06583		BC012503	4286	MITF	1 synonymous error	hORFeome V8.1 Collection	4286	MITF	NM_001184968.1	Full Length 99-100% match
ccsbBroadEn_06584	ccsbBroad304_06584	454	BC067825	4289	MKLN1	no errors	hORFeome V8.1 Collection	4289	MKLN1	NM_013255.4	Full Length 99-100% match
ccsbBroadEn_06585	ccsbBroad304_06585		BC112314	4295	MLN	no errors	hORFeome V8.1 Collection	4295	MLN	NM_002418.2	Full Length 99-100% match
ccsbBroadEn_06586	ccsbBroad304_06586		BC036089	4300	MLL3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	4300	MLL3	NM_004529.2	Full Length 99-100% match
ccsbBroadEn_06587	ccsbBroad304_06587		BC013875	4312	MMP1	no errors	hORFeome V8.1 Collection	4312	MMP1	NM_002421.3	Full Length 99-100% match
ccsbBroadEn_06588	ccsbBroad304_06588		BC002576	4313	MMP2	no errors	hORFeome V8.1 Collection	4313	MMP2	NM_004530.4	Full Length 99-100% match
ccsbBroadEn_06589	ccsbBroad304_06589		BC069676,BC069716	4314	MMP3	no errors	hORFeome V8.1 Collection	4314	MMP3	NM_002422.3	Full Length 99-100% match
ccsbBroadEn_06590	ccsbBroad304_06590		BC003635	4316	MMP7	no errors	hORFeome V8.1 Collection	4316	MMP7	NM_002423.3	Full Length 99-100% match
ccsbBroadEn_06591	ccsbBroad304_06591		BC006093	4318	MMP9	no errors	hORFeome V8.1 Collection	4318	MMP9	NM_004994.2	Full Length 99-100% match
ccsbBroadEn_06592	ccsbBroad304_06592		BC064803	4323	MMP14	no errors	hORFeome V8.1 Collection	4323	MMP14	NM_004995.2	Full Length 99-100% match
ccsbBroadEn_06593	ccsbBroad304_06593		BC022522,BC031103	4345	CD200	no errors	hORFeome V8.1 Collection	4345	CD200	NM_005944.5	Full Length 99-100% match
ccsbBroadEn_06594	ccsbBroad304_06594		BC006491	4359	MPZ	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4359	MPZ	NM_000530.6	Full Length 99-100% match
ccsbBroadEn_06595	ccsbBroad304_06595		BC033030	4438	MSH4	no errors	hORFeome V8.1 Collection	4438	MSH4	NM_002440.2	Full Length 99-100% match
ccsbBroadEn_06596	ccsbBroad304_06596		BC063878	4481	MSR1	no errors	hORFeome V8.1 Collection	4481	MSR1	NM_138715.2	Full Length 99-100% match
ccsbBroadEn_06597	ccsbBroad304_06597		BC015509	4488	MSX2	no errors	hORFeome V8.1 Collection	4488	MSX2	NM_002449.4	Full Length 99-100% match
ccsbBroadEn_06598	ccsbBroad304_06598		BC029475	4489	MT1A	no errors	hORFeome V8.1 Collection	4489	MT1A	NM_005946.2	Full Length 99-100% match
ccsbBroadEn_06599	ccsbBroad304_06599		BC008408	4496	MT1H	no errors	hORFeome V8.1 Collection	4496	MT1H	NM_005951.2	Full Length 99-100% match
ccsbBroadEn_06600	ccsbBroad304_06600		BC013081	4504	MT3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4504	MT3	NM_005954.2	Full Length 99-100% match
ccsbBroadEn_06601	ccsbBroad304_06601		BC026106	4507	MTAP	no errors	hORFeome V8.1 Collection	4507	MTAP	NM_002451.3	Full Length 99-100% match
ccsbBroadEn_06602	ccsbBroad304_06602		BC030779	4534	MTM1	no errors	hORFeome V8.1 Collection	4534	MTM1	NM_000252.2	Full Length 99-100% match
ccsbBroadEn_06603	ccsbBroad304_06603	454	BC120974	4582	MUC1	no errors	hORFeome V8.1 Collection	4582	MUC1	NM_001018017.1	Full Length 99-100% match



ccsbBroadEn_06604	ccsbBroad304_06604		BC025688	4589	MUC7	no errors	hORFeome V8.1 Collection	4589	MUC7	NM_152291.2; NM_001145006.1; NM_001145007.1	Full Length 99-100% match
ccsbBroadEn_06605	ccsbBroad304_06605		BC036012	4591	TRIM37	no errors	hORFeome V8.1 Collection	4591	TRIM37	NM_015294.3; NM_001005207.2	Full Length 99-100% match
ccsbBroadEn_06606	ccsbBroad304_06606		BC109098	4593	MUSK	no errors	hORFeome V8.1 Collection	4593	MUSK	NM_001166280.1	Full Length 99-100% match
ccsbBroadEn_06607	ccsbBroad304_06607		BC032602	4599	MX1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	4599	MX1	NM_002462.3; NM_001144925.1; NM_001178046.1	Full Length 99-100% match
ccsbBroadEn_06608	ccsbBroad304_06608	454	BC044226	4608	MYBPH	no errors	hORFeome V8.1 Collection	4608	MYBPH	NM_004997.2	Full Length 99-100% match
ccsbBroadEn_06609	ccsbBroad304_06609		BC017455	4637	MYL6	1 synonymous error	hORFeome V8.1 Collection	4637	MYL6	NM_021019.4	Full Length 99-100% match
ccsbBroadEn_06610	ccsbBroad304_06610		BC006781	4637	MYL6	no errors	hORFeome V8.1 Collection	4637	MYL6	NM_079423.3	Full Length 99-100% match
ccsbBroadEn_06611	ccsbBroad304_06611		BC068013	4641	MYO1C	no errors	hORFeome V8.1 Collection	4641	MYO1C	NM_033375.4	Full Length 99-100% match
ccsbBroadEn_06612	ccsbBroad304_06612		BC029261	4653	MYOC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4653	MYOC	NM_000261.1	Full Length 99-100% match
ccsbBroadEn_06613	ccsbBroad304_06613		BC111752	4659	PPP1R12A	no errors	hORFeome V8.1 Collection	4659	PPP1R12A	NM_002480.2; NM_001143885.1	Full Length 99-100% match
ccsbBroadEn_06614	ccsbBroad304_06614		BC002387	4673	NAP1L1	no errors	hORFeome V8.1 Collection	4673	NAP1L1	NM_004537.4; NM_139207.2	Full Length 99-100% match
ccsbBroadEn_06615	ccsbBroad304_06615	454	BC026325	4674	NAP1L2	no errors	hORFeome V8.1 Collection	4674	NAP1L2	NM_021963.2	Full Length 99-100% match
ccsbBroadEn_06616	ccsbBroad304_06616		BC001687	4677	NARS	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	4677	NARS	NM_004539.3	Full Length 99-100% match
ccsbBroadEn_06617	ccsbBroad304_06617		BC003113	4678	NASP	no errors	hORFeome V8.1 Collection	4678	NASP	NM_152298.3	Full Length 99-100% match
ccsbBroadEn_06618	ccsbBroad304_06618		CCSB53149	4683	NBN	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4683	NBN	NM_002485.4	Full Length 99-100% match
ccsbBroadEn_06619	ccsbBroad304_06619		BC001606	4688	NCF2	no errors	hORFeome V8.1 Collection	4688	NCF2	NM_000433.3; NM_001127651.2	Full Length 99-100% match
ccsbBroadEn_06620	ccsbBroad304_06620		BC002798	4689	NCF4	no errors	hORFeome V8.1 Collection	4689	NCF4	NM_013416.3	Full Length 99-100% match
ccsbBroadEn_06621	ccsbBroad304_06621	454	BC001016	4702	NDUFA8	1 synonymous error	hORFeome V8.1 Collection	4702	NDUFA8	NM_014222.2	Full Length 99-100% match
ccsbBroadEn_06622	ccsbBroad304_06622		BC003417	4705	NDUFA10	no errors	hORFeome V8.1 Collection	4705	NDUFA10	NM_004544.3	Full Length 99-100% match
ccsbBroadEn_06623	ccsbBroad304_06623	454	BC058920	4706	NDUFAB1	no errors	hORFeome V8.1 Collection	4706	NDUFAB1	NM_005003.2	Full Length 99-100% match
ccsbBroadEn_06624	ccsbBroad304_06624		BC007323	4718	NDUFC2	no errors	hORFeome V8.1 Collection	4718	NDUFC2	NM_004549.4	Full Length 99-100% match
ccsbBroadEn_06625	ccsbBroad304_06625		BC005270	4724	NDUFS4	no errors	hORFeome V8.1 Collection	4724	NDUFS4	NM_002495.2	Full Length 99-100% match
ccsbBroadEn_06626	ccsbBroad304_06626		BC021217	4731	NDUFV3	no errors	hORFeome V8.1 Collection	4731	NDUFV3	NM_021075.3	Full Length 99-100% match
ccsbBroadEn_06627	ccsbBroad304_06627		BC020803	4733	DRG1	no errors	hORFeome V8.1 Collection	4733	DRG1	NM_004147.3	Full Length 99-100% match
ccsbBroadEn_06628	ccsbBroad304_06628		BC014455	4735	SEPT2	no errors	hORFeome V8.1 Collection	4735	SEPT2	NM_006155.1; NM_004404.3; NM_001008492.1; NM_001008491.1	Full Length 99-100% match
ccsbBroadEn_06629	ccsbBroad304_06629		BC020686	4739	NEDD9	no errors	hORFeome V8.1 Collection	4739	NEDD9	NM_182966.3	Full Length 99-100% match
ccsbBroadEn_06630	ccsbBroad304_06630	454	BC096757	4741	NEFM	no errors	hORFeome V8.1 Collection	4741	NEFM	NM_005382.2	Full Length 99-100% match
ccsbBroadEn_06631	ccsbBroad304_06631		BC096101	4745	NELL1	no errors	hORFeome V8.1 Collection	4745	NELL1	NM_006157.3	Full Length 99-100% match
ccsbBroadEn_06632	ccsbBroad304_06632		BC107053	4759	NEU2	no errors	hORFeome V8.1 Collection	4759	NEU2	NM_005383.2	Full Length 99-100% match
ccsbBroadEn_06633	ccsbBroad304_06633	454	BC022481	4761	NEUROD2	no errors	hORFeome V8.1 Collection	4761	NEUROD2	NM_006160.3	Full Length 99-100% match
ccsbBroadEn_06634	ccsbBroad304_06634		BC112243	4772	NFATC1	no errors	hORFeome V8.1 Collection	4772	NFATC1	NM_172390.1	Full Length 99-100% match
ccsbBroadEn_06635	ccsbBroad304_06635	454	BC104753	4772	NFATC1	no errors	hORFeome V8.1 Collection	4772	NFATC1	NM_172390.1	Full Length 99-100% match
ccsbBroadEn_06636	ccsbBroad304_06636		BC012120	4782	NFIC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4782	NFIC	NM_005597.2	Full Length 99-100% match
ccsbBroadEn_06637	ccsbBroad304_06637		BC051765	4790	NFKB1	1 synonymous error	hORFeome V8.1 Collection	4790	NFKB1	NM_003998.3	Full Length 99-100% match
ccsbBroadEn_06638	ccsbBroad304_06638		BC039244	4800	NFYA	no errors	hORFeome V8.1 Collection	4800	NFYA	NM_021705.3	Full Length 99-100% match
ccsbBroadEn_06639	ccsbBroad304_06639		BC005316,BC005317	4801	NFYB	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4801	NFYB	NM_006166.3	Full Length 99-100% match
ccsbBroadEn_06640	ccsbBroad304_06640		BC126148,BC126150	4803	NGF	no errors	hORFeome V8.1 Collection	4803	NGF	NM_002506.2	Full Length 99-100% match
ccsbBroadEn_06641	ccsbBroad304_06641		BC048212	4814	NINJ1	no errors	hORFeome V8.1 Collection	4814	NINJ1	NM_004148.3	Full Length 99-100% match
ccsbBroadEn_06642	ccsbBroad304_06642		BC046149	4817	NIT1	1 synonymous error	hORFeome V8.1 Collection	4817	NIT1	NM_001185092.1	Full Length 99-100% match
ccsbBroadEn_06643	ccsbBroad304_06643		BC007407	4828	NMB	no errors	hORFeome V8.1 Collection	4828	NMB	NM_205858.1	Full Length 99-100% match
ccsbBroadEn_06644	ccsbBroad304_06644		BC000250	4832	NME3	no errors	hORFeome V8.1 Collection	4832	NME3	NM_002513.2	Full Length 99-100% match
ccsbBroadEn_06645	ccsbBroad304_06645		BC006096	4835	NQO2	no errors	hORFeome V8.1 Collection	4835	NQO2	NM_000904.3	Full Length 99-100% match
ccsbBroadEn_06646	ccsbBroad304_06646		BC000234	4837	NNMT	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4837	NNMT	NM_006169.2	Full Length 99-100% match
ccsbBroadEn_06647	ccsbBroad304_06647	454	BC112025	4838	NODAL	no errors	hORFeome V8.1 Collection	4838	NODAL	NM_018055.4	Full Length 99-100% match
ccsbBroadEn_06648	ccsbBroad304_06648		BC016474	4849	CNOT3	no errors	hORFeome V8.1 Collection	4849	CNOT3	NM_014516.3	Full Length 99-100% match
ccsbBroadEn_06649	ccsbBroad304_06649	454	BC035590	4850	CNOT4	no errors	hORFeome V8.1 Collection	4850	CNOT4	NM_001008225.2	Full Length 99-100% match
ccsbBroadEn_06650	ccsbBroad304_06650		BC029497	4852	NPY	no errors	hORFeome V8.1 Collection	4852	NPY	NM_000905.3	Full Length 99-100% match
ccsbBroadEn_06651	ccsbBroad304_06651		BC015028	4856	NOV	no errors	hORFeome V8.1 Collection	4856	NOV	NM_002514.3	Full Length 99-100% match
ccsbBroadEn_06652	ccsbBroad304_06652	454	BC039016	4861	NPAS1	no errors	hORFeome V8.1 Collection	4861	NPAS1	NM_002517.2	Full Length 99-100% match
ccsbBroadEn_06653	ccsbBroad304_06653	454	BC051351	4862	NPAS2	1 synonymous error	hORFeome V8.1 Collection	4862	NPAS2	NM_002518.3	Full Length 99-100% match
ccsbBroadEn_06654	ccsbBroad304_06654		BC002398,BC0050628	4869	NPM1	1 synonymous error	hORFeome V8.1 Collection	4869	NPM1	NM_002520.6	Full Length 99-100% match
ccsbBroadEn_06655	ccsbBroad304_06655		BC012566	4869	NPM1	no errors	hORFeome V8.1 Collection	4869	NPM1	NM_002520.6	Full Length 99-100% match
ccsbBroadEn_06656	ccsbBroad304_06656		BC005893	4878	NPPA	no errors	hORFeome V8.1 Collection	4878	NPPA	NM_006172.3	Full Length 99-100% match
ccsbBroadEn_06657	ccsbBroad304_06657	454	BC042416	4889	NPY5R	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4889	NPY5R	NM_006174.2	Full Length 99-100% match
ccsbBroadEn_06658	ccsbBroad304_06658		BC065937	4907	NT5E	no errors	hORFeome V8.1 Collection	4907	NT5E	NM_002526.2	Full Length 99-100% match
ccsbBroadEn_06659	ccsbBroad304_06659		BC107075	4908	NTF3	no errors	hORFeome V8.1 Collection	4908	NTF3	NM_002527.4	Full Length 99-100% match
ccsbBroadEn_06660	ccsbBroad304_06660		BC013693	4916	NTRK3	no errors	hORFeome V8.1 Collection	4916	NTRK3	NM_001007156.1	Full Length 99-100% match
ccsbBroadEn_06661	ccsbBroad304_06661		BC010918	4922	NTS	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4922	NTS	NM_006183.3	Full Length 99-100% match
ccsbBroadEn_06662	ccsbBroad304_06662		BC009288	4929	NR4A2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4929	NR4A2	NM_006186.3	Full Length 99-100% match
ccsbBroadEn_06663	ccsbBroad304_06663		BC071981	4938	OAS1	no errors	hORFeome V8.1 Collection	4938	OAS1	NM_002534.2	Full Length 99-100% match
ccsbBroadEn_06664	ccsbBroad304_06664		BC049215	4939	OAS2	no errors	hORFeome V8.1 Collection	4939	OAS2	NM_002535.2	Full Length 99-100% match
ccsbBroadEn_06665	ccsbBroad304_06665		BC016928	4942	OAT	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	4942	OAT	NM_000274.3	Full Length 99-100% match
ccsbBroadEn_06666	ccsbBroad304_06666	454	BC125088	4943	TBC1D25	no errors	hORFeome V8.1 Collection	4943	TBC1D25	NM_002536.2	Full Length 99-100% match
ccsbBroadEn_06667	ccsbBroad304_06667		BC029886	4950	OCLN	1 synonymous error	hORFeome V8.1 Collection	4950; 100506658; 100510742	OCLN; LOC100506658; LOC100510742	NM_002538.2; XM_003118540.1; XM_003118545.1; XM_003118546.1; XM_003118543.1; XM_003118544.1; XM_003118446.1; XM_003118451.1; XM_003118452.1; XM_003118448.1; XM_003118450.1	Full Length 99-100% match
ccsbBroadEn_06668	ccsbBroad304_06668	454	BC094726	4952	OCRL	no errors	hORFeome V8.1 Collection	4952	OCRL	NM_001587.3	Full Length 99-100% match
ccsbBroadEn_06669	ccsbBroad304_06669		BC104457	4956	ODF1	no errors	hORFeome V8.1 Collection	4956	ODF1	NM_024410.3	Full Length 99-100% match
ccsbBroadEn_06670	ccsbBroad304_06670		BC000657	4968	OGG1	no errors	hORFeome V8.1 Collection	4968	OGG1	NM_002542.5	Full Length 99-100% match
ccsbBroadEn_06671	ccsbBroad304_06671	454	BC075805	4976	OPA1	no errors	hORFeome V8.1 Collection	4976	OPA1	NM_015560.2	Full Length 99-100% match
ccsbBroadEn_06672	ccsbBroad304_06672		BC117254,BC126251	4978	OPCML	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	4978	OPCML	NM_002545.3	Full Length 99-100% match
ccsbBroadEn_06673	ccsbBroad304_06673	454	BC099912	4986	OPRK1	no errors	hORFeome V8.1 Collection	4986	OPRK1	NM_000912.3	Full Length 99-100% match
ccsbBroadEn_06674	ccsbBroad304_06674		BC126269,BC130328	4993	OR2C1	no errors	hORFeome V8.1 Collection	4993	OR2C1	NM_012368.2	Full Length 99-100% match



ccsbBroadEn_06675	ccsbBroad304_06675		BC015571	5002	SLC22A18	no errors	hORFeome V8.1 Collection	5002	SLC22A18	NM_183233.2;	Full Length 99-100% match
ccsbBroadEn_06676	ccsbBroad304_06676		BC026238	5004	ORM1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5004	ORM1	NM_002555.5;	Full Length 99-100% match
ccsbBroadEn_06677	ccsbBroad304_06677		BC015964	5005	ORM2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5005	ORM2	NM_000607.2	Full Length 99-100% match
ccsbBroadEn_06678	ccsbBroad304_06678		BC007621	5013	OTX1	no errors	hORFeome V8.1 Collection	5013	OTX1	NM_000608.2;	Full Length 99-100% match
ccsbBroadEn_06679	ccsbBroad304_06679	454	BC137443	5021	OXTR	no errors	hORFeome V8.1 Collection	5021	OXTR	NM_001199770.1;	Full Length 99-100% match
ccsbBroadEn_06680	ccsbBroad304_06680		BC033826	5025	P2RX4	no errors	hORFeome V8.1 Collection	5025	P2RX4	NM_014562.3	Full Length 99-100% match
ccsbBroadEn_06681	ccsbBroad304_06681		BC012104	5029	P2RY2	no errors	hORFeome V8.1 Collection	5029	P2RY2	NM_000916.3	Full Length 99-100% match
ccsbBroadEn_06682	ccsbBroad304_06682		BC027617	5042	PABPC3	no errors	hORFeome V8.1 Collection	5042	PABPC3	NM_002560.2;	Full Length 99-100% match
ccsbBroadEn_06683	ccsbBroad304_06683	454	BC012181	5045	FURIN	1 synonymous error	hORFeome V8.1 Collection	5045	FURIN	NM_176072.1;	Full Length 99-100% match
ccsbBroadEn_06684	ccsbBroad304_06684		BC007063,BC021683	5052	PRDX1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5052	PRDX1	NM_002564.2;	Full Length 99-100% match
ccsbBroadEn_06685	ccsbBroad304_06685		BC026251	5053	PAH	no errors	hORFeome V8.1 Collection	5053	PAH	NM_176071.1	Full Length 99-100% match
ccsbBroadEn_06686	ccsbBroad304_06686		BC010860	5054	SERPINE1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5054	SERPINE1	NM_030979.2	Full Length 99-100% match
ccsbBroadEn_06687	ccsbBroad304_06687		BC012609	5055	SERPINB2	no errors	hORFeome V8.1 Collection	5055	SERPINB2	NM_002569.2;	Full Length 99-100% match
ccsbBroadEn_06688	ccsbBroad304_06688		BC032449	5064	PALM	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5064	PALM	NM_181696.1;	Full Length 99-100% match
ccsbBroadEn_06689	ccsbBroad304_06689		BC063547	5077	PAX3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5077	PAX3	NM_181697.1	Full Length 99-100% match
ccsbBroadEn_06690	ccsbBroad304_06690		BC121165	5081	PAX7	no errors	hORFeome V8.1 Collection	5081	PAX7	NM_000277.1	Full Length 99-100% match
ccsbBroadEn_06691	ccsbBroad304_06691		BC017227	5082	PDCL	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5082	PDCL	NM_000602.3	Full Length 99-100% match
ccsbBroadEn_06692	ccsbBroad304_06692		BC026218	5098	PCDHGC3	no errors	hORFeome V8.1 Collection	5098	PCDHGC3	NM_002575.2;	Full Length 99-100% match
ccsbBroadEn_06693	ccsbBroad304_06693	454	BC136626	5101	PCDH9	1 synonymous error	hORFeome V8.1 Collection	5101	PCDH9	NM_001143818.1	Full Length 99-100% match
ccsbBroadEn_06694	ccsbBroad304_06694		BC008915	5104	SERPINA5	no errors	hORFeome V8.1 Collection	5104	SERPINA5	NM_002579.2	Full Length 99-100% match
ccsbBroadEn_06695	ccsbBroad304_06695		BC001454	5106	PKC2	no errors	hORFeome V8.1 Collection	5106	PKC2	NM_013942.4	Full Length 99-100% match
ccsbBroadEn_06696	ccsbBroad304_06696		BC130295	5122	PCSK1	no errors	hORFeome V8.1 Collection	5122	PCSK1	NM_013945.2	Full Length 99-100% match
ccsbBroadEn_06697	ccsbBroad304_06697		BC012064	5125	PCSK5	early stop codon	hORFeome V8.1 Mutant Subcollection	5125	PCSK5	NM_013945.2	Full Length 99-100% match
ccsbBroadEn_06698	ccsbBroad304_06698		BC001048	5127	CDK16	no errors	hORFeome V8.1 Collection	5127	CDK16	NM_005388.4	Full Length 99-100% match
ccsbBroadEn_06699	ccsbBroad304_06699	454	BC074740	5133	PDCD1	no errors	hORFeome V8.1 Collection	5133	PDCD1	NM_002588.2	Full Length 99-100% match
ccsbBroadEn_06700	ccsbBroad304_06700		BC022479,BC022525	5137	PDE1C	no errors	hORFeome V8.1 Collection	5137	PDE1C	NM_203487.2	Full Length 99-100% match
ccsbBroadEn_06701	ccsbBroad304_06701		BC117369,BC117371	5139	PDE3A	no errors	hORFeome V8.1 Collection	5139	PDE3A	NM_000624.4	Full Length 99-100% match
ccsbBroadEn_06702	ccsbBroad304_06702		CCSB53366	5140	PDE3B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5140	PDE3B	NM_004563.2	Full Length 99-100% match
ccsbBroadEn_06703	ccsbBroad304_06703	454	BC105040	5142	PDE4B	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5142	PDE4B	NM_000439.4	Full Length 99-100% match
ccsbBroadEn_06704	ccsbBroad304_06704		BC036319	5144	PDE4D	no errors	hORFeome V8.1 Collection	5144	PDE4D	NM_006200.3	Full Length 99-100% match
ccsbBroadEn_06705	ccsbBroad304_06705		BC009047	5152	PDE9A	1 synonymous error	hORFeome V8.1 Collection	5152	PDE9A	NM_001037341.1	Full Length 99-100% match
ccsbBroadEn_06706	ccsbBroad304_06706		BC010927	5157	PDGFRL	no errors	hORFeome V8.1 Collection	5157	PDGFRL	NM_001197223.1	Full Length 99-100% match
ccsbBroadEn_06707	ccsbBroad304_06707		BC000249	5158	PDE6B	no errors	hORFeome V8.1 Collection	5158	PDE6B	NM_001001567.1	Full Length 99-100% match
ccsbBroadEn_06708	ccsbBroad304_06708		BC032224	5159	PDGFRB	no errors	hORFeome V8.1 Collection	5159	PDGFRB	NM_006207.2	Full Length 99-100% match
ccsbBroadEn_06709	ccsbBroad304_06709		BC040239	5166	PDK4	no errors	hORFeome V8.1 Collection	5166	PDK4	NM_001145291.1	Full Length 99-100% match
ccsbBroadEn_06710	ccsbBroad304_06710		BC000522	5176	SERPINF1	no errors	hORFeome V8.1 Collection	5176	SERPINF1	NM_002609.3	Full Length 99-100% match
ccsbBroadEn_06711	ccsbBroad304_06711	454	BC146768	5198	PFAS	no errors	hORFeome V8.1 Collection	5198	PFAS	NM_002612.3	Full Length 99-100% match
ccsbBroadEn_06712	ccsbBroad304_06712		BC015756	5199	CFP	no errors	hORFeome V8.1 Collection	5199	CFP	NM_002615.4	Full Length 99-100% match
ccsbBroadEn_06713	ccsbBroad304_06713		BC010953	5203	PFDN4	1 synonymous error	hORFeome V8.1 Collection	5203	PFDN4	NM_012393.2	Full Length 99-100% match
ccsbBroadEn_06714	Failed LR reaction		BC096079	5207	PFKFB1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5207	PFKFB1	NM_001145252.1;	Full Length 99-100% match
ccsbBroadEn_06715	ccsbBroad304_06715		BC128260	5212	VIT	no errors	hORFeome V8.1 Collection	5212	VIT	NM_002621.2	Full Length 99-100% match
ccsbBroadEn_06716	ccsbBroad304_06716		BC021203	5213	PFKM	no errors	hORFeome V8.1 Collection	5213	PFKM	NM_000921.3	Full Length 99-100% match
ccsbBroadEn_06717	ccsbBroad304_06717		BC002536	5214	PFKP	no errors	hORFeome V8.1 Collection	5214	PFKP	NM_000922.3	Full Length 99-100% match
ccsbBroadEn_06718	ccsbBroad304_06718		BC018049	5217	PFN2	no errors	hORFeome V8.1 Collection	5217	PFN2	NM_002600.3;	Full Length 99-100% match
ccsbBroadEn_06719	ccsbBroad304_06719		BC001258	5238	PGM3	no errors	hORFeome V8.1 Collection	5238	PGM3	NM_001037341.1	Full Length 99-100% match
ccsbBroadEn_06720	ccsbBroad304_06720		BC029512	5264	PHYH	no errors	hORFeome V8.1 Collection	5264	PHYH	NM_001197223.1	Full Length 99-100% match
ccsbBroadEn_06721	ccsbBroad304_06721		BC011991	5265	SERPINA1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5265	SERPINA1	NM_002607.2	Full Length 99-100% match
ccsbBroadEn_06722	ccsbBroad304_06722		BC001394	5269	SERPINB6	no errors	hORFeome V8.1 Collection	5269	SERPINB6	NM_001145291.1	Full Length 99-100% match
ccsbBroadEn_06723	ccsbBroad304_06723		BC034528	5271	SERPINB8	no errors	hORFeome V8.1 Collection	5271	SERPINB8	NM_000289.5;	Full Length 99-100% match
ccsbBroadEn_06724	ccsbBroad304_06724		BC096217	5273	SERPINB10	no errors	hORFeome V8.1 Collection	5273	SERPINB10	NM_001166687.1;	Full Length 99-100% match
ccsbBroadEn_06725	ccsbBroad304_06725		BC006539	5279	PIGC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5279	PIGC	NM_000289.5;	Full Length 99-100% match
ccsbBroadEn_06726	ccsbBroad304_06726		BC021725	5281	PIGF	no errors	hORFeome V8.1 Collection	5281	PIGF	NM_001166688.1	Full Length 99-100% match
ccsbBroadEn_06727	ccsbBroad304_06727		BC035683	5294	PIK3CG	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5294	PIK3CG	NM_002627.3	Full Length 99-100% match
ccsbBroadEn_06728	ccsbBroad304_06728		BC030815	5295	PIK3R1	no errors	hORFeome V8.1 Collection	5295	PIK3R1	NM_002627.3	Full Length 99-100% match
ccsbBroadEn_06729	Failed LR reaction		BC112281	5303	PIN4	no errors	hORFeome V8.1 Collection	5303	PIN4	NM_153747.1	Full Length 99-100% match
ccsbBroadEn_06730	ccsbBroad304_06730		BC010951	5304	PIP	no errors	hORFeome V8.1 Collection	5304	PIP	NM_173074.2	Full Length 99-100% match
ccsbBroadEn_06731	ccsbBroad304_06731		BC025737	5313	PKLR	no errors	hORFeome V8.1 Collection	5313	PKLR	NM_002649.2	Full Length 99-100% match
ccsbBroadEn_06732	ccsbBroad304_06732		BC007746	5316	PKNOX1	no errors	hORFeome V8.1 Collection	5316	PKNOX1	NM_181504.2	Full Length 99-100% match
ccsbBroadEn_06733	ccsbBroad304_06733		BC005919	5320	PLA2G2A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5320	PLA2G2A	NM_006223.3	Full Length 99-100% match
ccsbBroadEn_06734	ccsbBroad304_06734		BC007231	5327	PLAT	no errors	hORFeome V8.1 Collection	5327	PLAT	NM_001127704.1;	Full Length 99-100% match
ccsbBroadEn_06735	ccsbBroad304_06735		BC013575	5328	PLAU	1 synonymous error	hORFeome V8.1 Collection	5328	PLAU	NM_001127706.1;	Full Length 99-100% match
ccsbBroadEn_06736	ccsbBroad304_06736		BC007565,BC018646	5336	PLCG2	no errors	hORFeome V8.1 Collection	5336	PLCG2	NM_001127702.1;	Full Length 99-100% match
ccsbBroadEn_06737	ccsbBroad304_06737	454	BC060513	5340	PLG	no errors	hORFeome V8.1 Collection	5340	PLG	NM_001127700.1;	Full Length 99-100% match
ccsbBroadEn_06738	ccsbBroad304_06738		BC018549	5341	PLEK	no errors	hORFeome V8.1 Collection	5341	PLEK	NM_001002235.2;	Full Length 99-100% match
ccsbBroadEn_06739	ccsbBroad304_06739	454	BC016657	5351	PLOD1	no errors	hORFeome V8.1 Collection	5351	PLOD1	NM_000295.4;	Full Length 99-100% match
ccsbBroadEn_06740	ccsbBroad304_06740		BC002665	5354	PLP1	no errors	hORFeome V8.1 Collection	5354	PLP1	NM_001127705.1;	Full Length 99-100% match



ccsbBroadEn_06741	ccsbBroad304_06741		BC021100,BC032718	5359	PLSCR1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5359	PLSCR1	NM_021105.2	Full Length 99-100% match
ccsbBroadEn_06742	ccsbBroad304_06742		BC000080,BC020994	5371	PML	no errors	hORFeome V8.1 Collection	5371	PML	NM_033250.2	Full Length 99-100% match
ccsbBroadEn_06743	ccsbBroad304_06743		BC008310	5373	PMM2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5373	PMM2	NM_000303.2	Full Length 99-100% match
ccsbBroadEn_06744	ccsbBroad304_06744		C5B53322	5393	EXOSC9	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5393	EXOSC9	NM_005033.2	Full Length 99-100% match
ccsbBroadEn_06745	ccsbBroad304_06745	454	BC062602	5411	PNN	no errors	hORFeome V8.1 Collection	5411	PNN	NM_002687.3	Full Length 99-100% match
ccsbBroadEn_06746	ccsbBroad304_06746	454	BC093730	5420	PODXL	no errors	hORFeome V8.1 Collection	5420	PODXL	NM_005397.3	Full Length 99-100% match
ccsbBroadEn_06747	ccsbBroad304_06747		BC008800	5424	POLD1	no errors	hORFeome V8.1 Collection	5424	POLD1	NM_002691.2	Full Length 99-100% match
ccsbBroadEn_06748	ccsbBroad304_06748	454	BC112962	5427	POLE2	no errors	hORFeome V8.1 Collection	5427	POLE2	NM_001197331.1	Full Length 99-100% match
ccsbBroadEn_06749	ccsbBroad304_06749		BC000409,BC028157	5432	POLR2C	no errors	hORFeome V8.1 Collection	5432	POLR2C	NM_032940.2	Full Length 99-100% match
ccsbBroadEn_06750	ccsbBroad304_06750		BC000739	5437	POLR2H	no errors	hORFeome V8.1 Collection	5437	POLR2H	NM_006232.2	Full Length 99-100% match
ccsbBroadEn_06751	ccsbBroad304_06751	454	BC098387	5442	POLRMT	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5442	POLRMT	NM_005035.3	Full Length 99-100% match
ccsbBroadEn_06752	ccsbBroad304_06752		BC112207	5459	POU4F3	no errors	hORFeome V8.1 Collection	5459	POU4F3	NM_002700.2	Full Length 99-100% match
ccsbBroadEn_06753	ccsbBroad304_06753		BC117437	5460	POU5F1	no errors	hORFeome V8.1 Collection	5460	POU5F1	NM_002701.4	Full Length 99-100% match
ccsbBroadEn_06754	ccsbBroad304_06754		BC002715,BC007578	5467	PPARD	no errors	hORFeome V8.1 Collection	5467	PPARD	NM_177435.2	Full Length 99-100% match
ccsbBroadEn_06755	ccsbBroad304_06755		BC004200	5471	PPAT	no errors	hORFeome V8.1 Collection	5471	PPAT	NM_002703.3	Full Length 99-100% match
ccsbBroadEn_06756	ccsbBroad304_06756		BC005982	5478	PPIA	no errors	hORFeome V8.1 Collection	5478	PPIA	NM_021130.3	Full Length 99-100% match
ccsbBroadEn_06757	ccsbBroad304_06757		BC001125,BC032138	5479	PPIB	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5479	PPIB	NM_000942.4	Full Length 99-100% match
ccsbBroadEn_06758	ccsbBroad304_06758		BC022470	5502	PPP1R1A	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5502	PPP1R1A	NM_006741.3	Full Length 99-100% match
ccsbBroadEn_06759	ccsbBroad304_06759		BC012625	5507	PPP1R3C	no errors	hORFeome V8.1 Collection	5507	PPP1R3C	NM_005398.4	Full Length 99-100% match
ccsbBroadEn_06760	ccsbBroad304_06760	454	BC065531	5523	PPP2R3A	no errors	hORFeome V8.1 Collection	5523	PPP2R3A	NM_002718.4	Full Length 99-100% match
ccsbBroadEn_06761	ccsbBroad304_06761		BC004864	5533	PPP3CC	1 synonomous error	hORFeome V8.1 Collection	5533	PPP3CC	NM_005605.3	Full Length 99-100% match
ccsbBroadEn_06762	ccsbBroad304_06762		BC096238	5540	PPYR1	no errors	hORFeome V8.1 Collection	5540	PPYR1	NM_005972.4	Full Length 99-100% match
ccsbBroadEn_06763	ccsbBroad304_06763		BC141917	5542	PRB1	no errors	hORFeome V8.1 Collection	5542	PRB1	NM_199353.2	Full Length 99-100% match
ccsbBroadEn_06764	ccsbBroad304_06764		BC096209	5544	PRB3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5544	PRB3	NM_006249.4	Full Length 99-100% match
ccsbBroadEn_06765	ccsbBroad304_06765		BC010450	5546	PRCC	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5546	PRCC	NM_005973.4	Full Length 99-100% match
ccsbBroadEn_06766	ccsbBroad304_06766		BC015516	5552	SRGN	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5552	SRGN	NM_002727.2	Full Length 99-100% match
ccsbBroadEn_06767	ccsbBroad304_06767		BC005929	5553	PRG2	no errors	hORFeome V8.1 Collection	5553	PRG2	NM_002728.4	Full Length 99-100% match
ccsbBroadEn_06768	ccsbBroad304_06768	454	BC095488	5555	PRH2	no errors	hORFeome V8.1 Collection	5555	PRH2	NM_005042.4; NM_001110213.1	Full Length 99-100% match
ccsbBroadEn_06769	ccsbBroad304_06769		BC064931	5558	PRIM2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5558	PRIM2	NM_000947.2	Full Length 99-100% match
ccsbBroadEn_06770	ccsbBroad304_06770		BC048980	5562	PRKAA1	no errors	hORFeome V8.1 Collection	5562	PRKAA1	NM_206907.3	Full Length 99-100% match
ccsbBroadEn_06771	ccsbBroad304_06771		BC035058	5567	PRKACB	no errors	hORFeome V8.1 Collection	5567	PRKACB	NM_002731.2	Full Length 99-100% match
ccsbBroadEn_06772	ccsbBroad304_06772		BC039888	5568	PRKACG	1 synonomous error	hORFeome V8.1 Collection	5568	PRKACG	NM_002732.3	Full Length 99-100% match
ccsbBroadEn_06773	ccsbBroad304_06773		BC075800	5577	PRKAR2B	no errors	hORFeome V8.1 Collection	5577	PRKAR2B	NM_002736.2	Full Length 99-100% match
ccsbBroadEn_06774	ccsbBroad304_06774		BC113359	5588	PRKCC	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5588	PRKCC	NM_006257.2	Full Length 99-100% match
ccsbBroadEn_06775	ccsbBroad304_06775		BC035492	5597	MAPK6	no errors	hORFeome V8.1 Collection	5597	MAPK6	NM_002748.3	Full Length 99-100% match
ccsbBroadEn_06776	ccsbBroad304_06776		BC003673	5619	PRM1	no errors	hORFeome V8.1 Collection	5619	PRM1	NM_002761.2	Full Length 99-100% match
ccsbBroadEn_06777	ccsbBroad304_06777		BC012844	5621	PRNP	no errors	hORFeome V8.1 Collection	5621	PRNP	NM_001080121.1; NM_001080123.1; NM_183079.2; NM_000311.3;	Full Length 99-100% match
ccsbBroadEn_06778	ccsbBroad304_06778		BC034377	5624	PROC	no errors	hORFeome V8.1 Collection	5624	PROC	NM_001080122.1	Full Length 99-100% match
ccsbBroadEn_06779	ccsbBroad304_06779		BC118597	5625	PRODH	no errors	hORFeome V8.1 Collection	5625	PRODH	NM_000312.3	Full Length 99-100% match
ccsbBroadEn_06780	ccsbBroad304_06780	454	BC069076	5626	PROP1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5626	PROP1	NM_001195226.1	Full Length 99-100% match
ccsbBroadEn_06781	ccsbBroad304_06781		BC032703	5630	PRPH	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	5630	PRPH	NM_006261.4	Full Length 99-100% match
ccsbBroadEn_06782	Failed LR reaction		BC040483	5634	PRPS2	no errors	hORFeome V8.1 Collection	5634	PRPS2	NM_006262.3 NM_002765.4	Full Length 99-100% match
ccsbBroadEn_06783	ccsbBroad304_06783		BC003061	5641	LGMN	no errors	hORFeome V8.1 Collection	5641	LGMN	NM_001008530.2; NM_005606.6	Full Length 99-100% match
ccsbBroadEn_06784	ccsbBroad304_06784		BC128226	5644	PRSS1	no errors	hORFeome V8.1 Collection	5644	PRSS1	NM_002769.4	Full Length 99-100% match
ccsbBroadEn_06785	ccsbBroad304_06785		BC103997	5645	PRSS2	no errors	hORFeome V8.1 Collection	5645	PRSS2	NM_002770.2	Full Length 99-100% match
ccsbBroadEn_06786	ccsbBroad304_06786		BC106945	5648	MASP1	no errors	hORFeome V8.1 Collection	5648	MASP1	NM_139125.3	Full Length 99-100% match
ccsbBroadEn_06787	ccsbBroad304_06787		BC032005	5650	KLK7	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5650	KLK7	NM_005046.2; NM_139277.1	Full Length 99-100% match
ccsbBroadEn_06788	ccsbBroad304_06788		BC002710	5655	KLK10	no errors	hORFeome V8.1 Collection	5655	KLK10	NM_002776.4; NM_145888.2;	Full Length 99-100% match
ccsbBroadEn_06789	ccsbBroad304_06789		BC006365	5664	PSEN2	no errors	hORFeome V8.1 Collection	5664	PSEN2	NM_001077500.1	Full Length 99-100% match
ccsbBroadEn_06790	ccsbBroad304_06790		BC005924	5671	PSG3	no errors	hORFeome V8.1 Collection	5671	PSG3	NM_000447.2	Full Length 99-100% match
ccsbBroadEn_06791	ccsbBroad304_06791		BC012607	5673	PSG5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5673	PSG5	NM_021016.3	Full Length 99-100% match
ccsbBroadEn_06792	ccsbBroad304_06792		BC020759	5678	PSG9	no errors	hORFeome V8.1 Collection	5678	PSG9	NM_001130014.1; NM_002781.3	Full Length 99-100% match
ccsbBroadEn_06793	ccsbBroad304_06793		BC020711	5680	PSG11	no errors	hORFeome V8.1 Collection	5680	PSG11	NM_002784.3	Full Length 99-100% match
ccsbBroadEn_06794	ccsbBroad304_06794	454	BC062616	5681	PSKH1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5681	PSKH1	NM_203287.1; NM_001113410.1	Full Length 99-100% match
ccsbBroadEn_06795	ccsbBroad304_06795		BC005932	5682	PSMA1	no errors	hORFeome V8.1 Collection	5682	PSMA1	NM_006742.2	Full Length 99-100% match
ccsbBroadEn_06796	ccsbBroad304_06796		BC005361,BC047667	5685	PSMA4	no errors	hORFeome V8.1 Collection	5685	PSMA4	NM_002786.3 NM_002789.4;	Full Length 99-100% match
ccsbBroadEn_06797	ccsbBroad304_06797		BC102018	5686	PSMA5	no errors	hORFeome V8.1 Collection	5686	PSMA5	NM_01102667.1	Full Length 99-100% match
ccsbBroadEn_06798	ccsbBroad304_06798		BC000508	5689	PSMB1	no errors	hORFeome V8.1 Collection	5689	PSMB1	NM_002790.3	Full Length 99-100% match
ccsbBroadEn_06799	ccsbBroad304_06799		BC017307	5692	PSMB4	no errors	hORFeome V8.1 Collection	5692	PSMB4	NM_002793.3	Full Length 99-100% match
ccsbBroadEn_06800	ccsbBroad304_06800		BC000509	5695	PSMB7	no errors	hORFeome V8.1 Collection	5695	PSMB7	NM_002796.2	Full Length 99-100% match
ccsbBroadEn_06801	ccsbBroad304_06801		BC017198	5699	PSMB10	no errors	hORFeome V8.1 Collection	5699	PSMB10	NM_002799.2	Full Length 99-100% match
ccsbBroadEn_06802	ccsbBroad304_06802		BC016368	5700	PSMC1	no errors	hORFeome V8.1 Collection	5700	PSMC1	NM_002801.2	Full Length 99-100% match
ccsbBroadEn_06803	ccsbBroad304_06803		BC000512	5700	PSMC1	no errors	hORFeome V8.1 Collection	5700	PSMC1	NM_002802.2	Full Length 99-100% match
ccsbBroadEn_06804	ccsbBroad304_06804		BC007897	5708	PSMD2	no errors	hORFeome V8.1 Collection	5708	PSMD2	NM_002802.2	Full Length 99-100% match
ccsbBroadEn_06805	ccsbBroad304_06805		BC004859	5709	PSMD3	no errors	hORFeome V8.1 Collection	5709	PSMD3	NM_002808.3	Full Length 99-100% match
ccsbBroadEn_06806	ccsbBroad304_06806		BC012302	5709	PSMD3	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5709	PSMD3	NM_002809.2	Full Length 99-100% match
ccsbBroadEn_06807	ccsbBroad304_06807		BC020518,BC025686	5709	PSMD3	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5709	PSMD3	NM_002809.2	Full Length 99-100% match
ccsbBroadEn_06808	ccsbBroad304_06808		BC001100,BC001747	5719	PSMD13	no errors	hORFeome V8.1 Collection	5719	PSMD13	NM_002809.2	Full Length 99-100% match
ccsbBroadEn_06809	ccsbBroad304_06809		BC002397,BC013694	5725	PTBP1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5725	PTBP1	NM_002817.3	Full Length 99-100% match
ccsbBroadEn_06810	ccsbBroad304_06810		BC005939	5730	PTGDS	1 synonomous error	hORFeome V8.1 Collection	5730	PTGDS	NM_002819.4	Full Length 99-100% match
ccsbBroadEn_06811	ccsbBroad304_06811		BC075814	5739	PTGIR	no errors	hORFeome V8.1 Collection	5739	PTGIR	NM_000954.5	Full Length 99-100% match
ccsbBroadEn_06812	ccsbBroad304_06812		BC112221,BC112247	5745	PTH1R	no errors	hORFeome V8.1 Collection	5745	PTH1R	NM_000960.3 NM_000316.2;	Full Length 99-100% match
ccsbBroadEn_06813	ccsbBroad304_06813		BC017692	5768	QSOX1	no errors	hORFeome V8.1 Collection	5768	QSOX1	NM_001184744.1	Full Length 99-100% match
ccsbBroadEn_06814	ccsbBroad304_06814	454	BC050008	5782	PTPN12	no errors	hORFeome V8.1 Collection	5782	PTPN12	NM_001004128.2	Full Length 99-100% match
ccsbBroadEn_06815	ccsbBroad304_06815	454	BC101754	5784	PTPN14	no errors	hORFeome V8.1 Collection	5784	PTPN14	NM_002835.3	Full Length 99-100% match
ccsbBroadEn_06816	ccsbBroad304_06816		BC027308	5786	PTPRA	no errors	hORFeome V8.1 Collection	5786	PTPRA	NM_005401.4	Full Length 99-100% match
ccsbBroadEn_06817	ccsbBroad304_06817		BC050062	5791	PTPRE	no errors	hORFeome V8.1 Collection	5791	PTPRE	NM_080840.2; NM_0080841.2	Full Length 99-100% match
ccsbBroadEn_06818	ccsbBroad304_06818		BC111716	5794	PTPRH	no errors	hORFeome V8.1 Collection	5794	PTPRH	NM_006504.4	Full Length 99-100% match
ccsbBroadEn_06819	ccsbBroad304_06819		BC122866	5801	PTPRR	no errors	hORFeome V8.1 Collection	5801	PTPRR	NM_002842.3	Full Length 99-100% match
										NM_130846.1	Full Length 99-100% match



ccsbBroadEn_06820	ccsbBroad304_06820		BC009686	5805	PTS	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5805	PTS	NM_000317.2	Full Length 99-100% match
ccsbBroadEn_06821	ccsbBroad304_06821		BC018029	5805	PTS	no errors	hORFeome V8.1 Collection	5805	PTS	NM_000317.2	Full Length 99-100% match
ccsbBroadEn_06822	ccsbBroad304_06822	454	BC039733	5806	PTX3	no errors	hORFeome V8.1 Collection	5806	PTX3	NM_002852.3	Full Length 99-100% match
ccsbBroadEn_06823	ccsbBroad304_06823	454	BC101735	5814	PURB	no errors	hORFeome V8.1 Collection	5814	PURB	NM_033224.3	Full Length 99-100% match
ccsbBroadEn_06824	ccsbBroad304_06824		BC015542	5817	PVR	no errors	hORFeome V8.1 Collection	5817	PVR	NM_006505.3	Full Length 99-100% match
ccsbBroadEn_06825	ccsbBroad304_06825		BC013309,BC014988	5822	PWP2	no errors	hORFeome V8.1 Collection	5822	PWP2	NM_005049.2	Full Length 99-100% match
ccsbBroadEn_06826	ccsbBroad304_06826	454	BC136787	5829	PXN	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5829	PXN	NM_002859.2; NM_025157.3	Full Length 99-100% match
ccsbBroadEn_06827	ccsbBroad304_06827		BC010621	5830	PEX5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5830	PEX5	NM_000319.4	Full Length 99-100% match
ccsbBroadEn_06828	ccsbBroad304_06828		BC001504	5831	PYCR1	no errors	hORFeome V8.1 Collection	5831	PYCR1	NM_006907.2	Full Length 99-100% match
ccsbBroadEn_06829	ccsbBroad304_06829		BC005035	5865	RAB3B	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5865	RAB3B	NM_002867.3	Full Length 99-100% match
ccsbBroadEn_06830	ccsbBroad304_06830		BC001267,BC018288	5868	RAB5A	no errors	hORFeome V8.1 Collection	5868	RAB5A	NM_004162.4	Full Length 99-100% match
ccsbBroadEn_06831	ccsbBroad304_06831		BC004247	5879	RAC1	no errors	hORFeome V8.1 Collection	5879	RAC1	NM_006908.4	Full Length 99-100% match
ccsbBroadEn_06832	ccsbBroad304_06832		BC001485	5880	RAC2	no errors	hORFeome V8.1 Collection	5880	RAC2	NM_002872.3	Full Length 99-100% match
ccsbBroadEn_06833	ccsbBroad304_06833		BC009605,BC015197	5881	RAC3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5881	RAC3	NM_005052.2	Full Length 99-100% match
ccsbBroadEn_06834	ccsbBroad304_06834		BC014848	5883	RAD9A	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5883	RAD9A	NM_004584.2	Full Length 99-100% match
ccsbBroadEn_06835	ccsbBroad304_06835		BC032304	5884	RAD17	no errors	hORFeome V8.1 Collection	5884	RAD17	NM_002873.1; NM_133338.1; NM_133340.1; NM_133342.1; NM_133343.1; NM_133344.1	Full Length 99-100% match
ccsbBroadEn_06836	ccsbBroad304_06836		BC020973	5887	RAD23B	1 synonomous error	hORFeome V8.1 Collection	5887	RAD23B	NM_002874.3	Full Length 99-100% match
ccsbBroadEn_06837	ccsbBroad304_06837		BC018119	5894	RAF1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5894	RAF1	NM_002880.3	Full Length 99-100% match
ccsbBroadEn_06838	ccsbBroad304_06838		BC022397	5897	RAG2	no errors	hORFeome V8.1 Collection	5897	RAG2	NM_000536.3	Full Length 99-100% match
ccsbBroadEn_06839	ccsbBroad304_06839		BC014044,BC041396	5905	RANGAP1	no errors	hORFeome V8.1 Collection	5905	RANGAP1	NM_002883.2	Full Length 99-100% match
ccsbBroadEn_06840	ccsbBroad304_06840		BC098269	5910	RAP1GDS1	no errors	hORFeome V8.1 Collection	5910	RAP1GDS1	NM_001100426.1	Full Length 99-100% match
ccsbBroadEn_06841	ccsbBroad304_06841		BC012362	5912	RAP2B	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5912	RAP2B	NM_002886.2	Full Length 99-100% match
ccsbBroadEn_06842	ccsbBroad304_06842		BC004196	5913	RAPSN	no errors	hORFeome V8.1 Collection	5913	RAPSN	NM_032645.3	Full Length 99-100% match
ccsbBroadEn_06843	ccsbBroad304_06843		BC000528	5917	RARS	no errors	hORFeome V8.1 Collection	5917	RARS	NM_002887.3	Full Length 99-100% match
ccsbBroadEn_06844	ccsbBroad304_06844		BC000069	5919	RARRES2	no errors	hORFeome V8.1 Collection	5919	RARRES2	NM_002889.3	Full Length 99-100% match
ccsbBroadEn_06845	ccsbBroad304_06845		BC009678	5920	RARRES3	no errors	hORFeome V8.1 Collection	5920	RARRES3	NM_004585.3	Full Length 99-100% match
ccsbBroadEn_06846	ccsbBroad304_06846		BC039060,BC040540	5925	RB1	3 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	5925	RB1	NM_000321.2	Full Length 99-100% match
ccsbBroadEn_06847	ccsbBroad304_06847		BC003092	5928	RBBP4	no errors	hORFeome V8.1 Collection	5928	RBBP4	NM_005610.2	Full Length 99-100% match
ccsbBroadEn_06848	Failed LR reaction		BC053856	5929	RBBP5	no errors	hORFeome V8.1 Collection	5929	RBBP5	NM_005057.3	Full Length 99-100% match
ccsbBroadEn_06849	ccsbBroad304_06849		BC027863	5939	RBMS2	no errors	hORFeome V8.1 Collection	5939	RBMS2	NM_002898.3	Full Length 99-100% match
ccsbBroadEn_06850	ccsbBroad304_06850		BC069296,BC069522	5948	RBP2	no errors	hORFeome V8.1 Collection	5948	RBP2	NM_004164.2	Full Length 99-100% match
ccsbBroadEn_06851	ccsbBroad304_06851		BC039844	5949	RBP3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5949	RBP3	NM_002900.2	Full Length 99-100% match
ccsbBroadEn_06852	ccsbBroad304_06852		BC020633	5950	RBP4	no errors	hORFeome V8.1 Collection	5950	RBP4	NM_006744.3	Full Length 99-100% match
ccsbBroadEn_06853	ccsbBroad304_06853		BC028298	5959	RDH5	no errors	hORFeome V8.1 Collection	5959	RDH5	NM_002905.3; NM_001199771.1	Full Length 99-100% match
ccsbBroadEn_06854	ccsbBroad304_06854	454	BC074720	5961	PRPH2	no errors	hORFeome V8.1 Collection	5961	PRPH2	NM_000322.4	Full Length 99-100% match
ccsbBroadEn_06855	ccsbBroad304_06855		BC047109	5962	RDX	no errors	hORFeome V8.1 Collection	5962	RDX	NM_002906.3	Full Length 99-100% match
ccsbBroadEn_06856	ccsbBroad304_06856		BC004257	5979	RET	no errors	hORFeome V8.1 Collection	5979	RET	NM_020630.4	Full Length 99-100% match
ccsbBroadEn_06857	ccsbBroad304_06857		BC017452,BC024022	5984	RFC4	no errors	hORFeome V8.1 Collection	5984	RFC4	NM_002916.3; NM_181573.2	Full Length 99-100% match
ccsbBroadEn_06858	ccsbBroad304_06858		BC066924	5987	TRIM27	no errors	hORFeome V8.1 Collection	5987	TRIM27	NM_006510.4	Full Length 99-100% match
ccsbBroadEn_06859	ccsbBroad304_06859		BC028579	5990	RFX2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5990	RFX2	NM_000635.3	Full Length 99-100% match
ccsbBroadEn_06860	ccsbBroad304_06860		BC011349	5995	RGR	no errors	hORFeome V8.1 Collection	5995	RGR	NM_002921.3	Full Length 99-100% match
ccsbBroadEn_06861	ccsbBroad304_06861		BC007049	5997	RGS2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	5997	RGS2	NM_002923.3	Full Length 99-100% match
ccsbBroadEn_06862	ccsbBroad304_06862		BC042555	5998	RGS3	no errors	hORFeome V8.1 Collection	5998	RGS3	NM_130795.2	Full Length 99-100% match
ccsbBroadEn_06863	ccsbBroad304_06863		BC022009	6000	RGS7	no errors	hORFeome V8.1 Collection	6000	RGS7	NM_002924.4	Full Length 99-100% match
ccsbBroadEn_06864	ccsbBroad304_06864		BC066307	6009	RHEB	no errors	hORFeome V8.1 Collection	6009	RHEB	NM_005614.3	Full Length 99-100% match
ccsbBroadEn_06865	ccsbBroad304_06865		BC018060	6014	RIT2	no errors	hORFeome V8.1 Collection	6014	RIT2	NM_002930.2	Full Length 99-100% match
ccsbBroadEn_06866	ccsbBroad304_06866		BC096060	6037	RNASE3	no errors	hORFeome V8.1 Collection	6037	RNASE3	NM_002935.2	Full Length 99-100% match
ccsbBroadEn_06867	ccsbBroad304_06867		BC012583	6045	RNF2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6045	RNF2	NM_007212.3	Full Length 99-100% match
ccsbBroadEn_06868	ccsbBroad304_06868		BC119742	6048	RNF5	no errors	hORFeome V8.1 Collection	6048	RNF5	NM_006913.3	Full Length 99-100% match
ccsbBroadEn_06869	ccsbBroad304_06869		BC119741	6048	RNF5	no errors	hORFeome V8.1 Collection	6048	RNF5	NM_006913.3	Full Length 99-100% match
ccsbBroadEn_06870	ccsbBroad304_06870		BC003506	6050	RNH1	1 synonomous error	hORFeome V8.1 Collection	6050	RNH1	NM_002939.3; NM_203383.1; NM_203384.1; NM_203386.1; NM_203388.1; NM_203389.1	Full Length 99-100% match
ccsbBroadEn_06871	ccsbBroad304_06871		BC000677	6050	RNH1	no errors	hORFeome V8.1 Collection	6050	RNH1	NM_002939.3; NM_203383.1; NM_203384.1; NM_203386.1; NM_203388.1; NM_203389.1	Full Length 99-100% match
ccsbBroadEn_06872	ccsbBroad304_06872		BC008100	6094	ROM1	no errors	hORFeome V8.1 Collection	6094	ROM1	NM_000327.3	Full Length 99-100% match
ccsbBroadEn_06873	ccsbBroad304_06873		BC012146,BC015767	6122	RPL3	early stop codon	hORFeome V8.1 Mutant Subcollection	6122	RPL3	NM_000967.3	Full Length 99-100% match
ccsbBroadEn_06874	ccsbBroad304_06874		BC006483,BC063662	6122	RPL3	no errors	hORFeome V8.1 Collection	6122	RPL3	NM_000967.3	Full Length 99-100% match
ccsbBroadEn_06875	ccsbBroad304_06875		BC022444	6128	RPL6	no errors	hORFeome V8.1 Collection	6128	RPL6	NM_000970.3; NM_001024662.1	Full Length 99-100% match
ccsbBroadEn_06876	ccsbBroad304_06876		BC012197,BC013104	6132	RPL8	no errors	hORFeome V8.1 Collection	6132	RPL8	NM_033301.1; NM_000973.3	Full Length 99-100% match
ccsbBroadEn_06877	ccsbBroad304_06877		BC014167	6137	RPL13	no errors	hORFeome V8.1 Collection	6137	RPL13	NM_000977.2; NM_033251.1	Full Length 99-100% match
ccsbBroadEn_06878	ccsbBroad304_06878		BC066320	6137	RPL13	no errors	hORFeome V8.1 Collection	6137	RPL13	NM_000977.2; NM_033251.1	Full Length 99-100% match
ccsbBroadEn_06879	ccsbBroad304_06879		BC007805,BC027463	6137	RPL13	no errors	hORFeome V8.1 Collection	6137	RPL13	NM_000977.2; NM_033251.1	Full Length 99-100% match
ccsbBroadEn_06880	ccsbBroad304_06880		BC014837	6138	RPL15	no errors	hORFeome V8.1 Collection	6138	RPL15	NM_002948.2	Full Length 99-100% match



												NM_000985.4; NM_001035006.2; NM_001199340.1; NM_001199341.1; NM_001199342.1; NM_001199343.1; NM_001199344.1	
ccsbBroadEn_06881	ccsbBroad304_06881		BC066324	6139	RPL17	no errors		hORFeome V8.1 Collection	6139	RPL17			Full Length 99-100% match
ccsbBroadEn_06882	ccsbBroad304_06882		BC021743	6141	RPL18	no errors		hORFeome V8.1 Collection	6141	RPL18			Full Length 99-100% match
ccsbBroadEn_06883	ccsbBroad304_06883		BC066319	6142	RPL18A	no errors		hORFeome V8.1 Collection	6142	RPL18A			Full Length 99-100% match
ccsbBroadEn_06884	ccsbBroad304_06884		BC014459	6147	RPL23A	1 synonymous error		hORFeome V8.1 Collection	6147	RPL23A			Full Length 99-100% match
ccsbBroadEn_06885	ccsbBroad304_06885		BC010182	6158	RPL28	no errors		hORFeome V8.1 Collection	6158	RPL28			Full Length 99-100% match
ccsbBroadEn_06886	ccsbBroad304_06886	454	BC001781,BC031015	6173	RPL36A	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6173	RPL36A			Full Length 99-100% match
ccsbBroadEn_06887	ccsbBroad304_06887		BC000345,BC003655	6175	RPLP0	no errors		hORFeome V8.1 Collection	6175	RPLP0			Full Length 99-100% match
ccsbBroadEn_06888	ccsbBroad304_06888		BC010839	6184	RPN1	no errors		hORFeome V8.1 Collection	6184	RPN1			Full Length 99-100% match
ccsbBroadEn_06889	ccsbBroad304_06889		BC003560,BC020222	6185	RPN2	no errors		hORFeome V8.1 Collection	6185	RPN2			Full Length 99-100% match
ccsbBroadEn_06890	ccsbBroad304_06890		BC001795,BC023541	6187	RPS2	no errors		hORFeome V8.1 Collection	6187	RPS2			Full Length 99-100% match
ccsbBroadEn_06891	ccsbBroad304_06891		BC016178	6187	RPS2	no errors		hORFeome V8.1 Collection	6187	RPS2			Full Length 99-100% match
ccsbBroadEn_06892	ccsbBroad304_06892		BC100903	6191	RPS4X	no errors		hORFeome V8.1 Collection	6191	RPS4X			Full Length 99-100% match
ccsbBroadEn_06893	ccsbBroad304_06893		BC100905	6192	RPS4Y1	no errors		hORFeome V8.1 Collection	6192	RPS4Y1			Full Length 99-100% match
ccsbBroadEn_06894	ccsbBroad304_06894		BC013296	6194	RPS6	no errors		hORFeome V8.1 Collection	6194	RPS6			Full Length 99-100% match
ccsbBroadEn_06895	ccsbBroad304_06895		BC027620	6194	RPS6	no errors		hORFeome V8.1 Collection	6194	RPS6			Full Length 99-100% match
ccsbBroadEn_06896	ccsbBroad304_06896		BC014966	6195	RPS6KA1	no errors		hORFeome V8.1 Collection	6195	RPS6KA1			Full Length 99-100% match
ccsbBroadEn_06897	ccsbBroad304_06897	454	BC006106	6199	RPS6KB2	no errors		hORFeome V8.1 Collection	6199	RPS6KB2			Full Length 99-100% match
ccsbBroadEn_06898	ccsbBroad304_06898		BC020515	6208	RPS14	no errors		hORFeome V8.1 Collection	6208	RPS14			Full Length 99-100% match
ccsbBroadEn_06899	ccsbBroad304_06899		BC001697	6210	RPS15A	no errors		hORFeome V8.1 Collection	6210	RPS15A			Full Length 99-100% match
ccsbBroadEn_06900	ccsbBroad304_06900		BC009407,BC022370	6218	RPS17	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6218; 100505503	RPS17; LOC100505503			Full Length 99-100% match
ccsbBroadEn_06901	ccsbBroad304_06901		BC018140	6227	RPS21	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	100291837	LOC100291837			Full Length 99-100% match
ccsbBroadEn_06902	ccsbBroad304_06902		BC006498	6240	RRM1	no errors		hORFeome V8.1 Collection	6240	RRM1			Full Length 99-100% match
ccsbBroadEn_06903	ccsbBroad304_06903	454	BC073874	6253	RTN2	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6253	RTN2			Full Length 99-100% match
ccsbBroadEn_06904	ccsbBroad304_06904		BC001167	6257	RXRB	2 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6257	RXRB			Full Length 99-100% match
ccsbBroadEn_06905	ccsbBroad304_06905		BC034687	6278	S100A7	no errors		hORFeome V8.1 Collection	6278	S100A7			Full Length 99-100% match
ccsbBroadEn_06906	ccsbBroad304_06906		BC015973	6281	S100A10	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6281	S100A10			Full Length 99-100% match
ccsbBroadEn_06907	ccsbBroad304_06907		BC000632	6284	S100A13	1 synonymous error		hORFeome V8.1 Collection	6284	S100A13			Full Length 99-100% match
ccsbBroadEn_06908	ccsbBroad304_06908		BC001766	6285	S100B	no errors		hORFeome V8.1 Collection	6285	S100B			Full Length 99-100% match
ccsbBroadEn_06909	ccsbBroad304_06909		BC020795	6289	SAA2	no errors		hORFeome V8.1 Collection	6289	SAA2			Full Length 99-100% match
ccsbBroadEn_06910	ccsbBroad304_06910		BC007026	6291	SAA4	no errors		hORFeome V8.1 Collection	6291	SAA4			Full Length 99-100% match
ccsbBroadEn_06911	ccsbBroad304_06911		BC015741	6300	MAPK12	no errors		hORFeome V8.1 Collection	6300	MAPK12			Full Length 99-100% match
ccsbBroadEn_06912	ccsbBroad304_06912		BC009390	6301	SARS	no errors		hORFeome V8.1 Collection	6301	SARS			Full Length 99-100% match
ccsbBroadEn_06913	ccsbBroad304_06913		BC010653	6307	SC4MOL	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6307	SC4MOL			Full Length 99-100% match
ccsbBroadEn_06914	ccsbBroad304_06914	454	BC062303	6319	SCD	no errors		hORFeome V8.1 Collection	6319	SCD			Full Length 99-100% match
ccsbBroadEn_06915	ccsbBroad304_06915		BC036352	6338	SCNN1B	no errors		hORFeome V8.1 Collection	6338	SCNN1B			Full Length 99-100% match
ccsbBroadEn_06916	ccsbBroad304_06916		BC005911	6342	SCP2	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6342	SCP2			Full Length 99-100% match
ccsbBroadEn_06917	ccsbBroad304_06917		BC035757	6344	SCTR	no errors		hORFeome V8.1 Collection	6344	SCTR			Full Length 99-100% match
ccsbBroadEn_06918	ccsbBroad304_06918		BC126242	6355	CCL8	no errors		hORFeome V8.1 Collection	6355	CCL8			Full Length 99-100% match
ccsbBroadEn_06919	ccsbBroad304_06919	454	BC140941	6359	CCL15	no errors		hORFeome V8.1 Collection	6359	CCL15			Full Length 99-100% match
ccsbBroadEn_06920	ccsbBroad304_06920		BC027952	6367	CCL22	no errors		hORFeome V8.1 Collection	6367	CCL22			Full Length 99-100% match
ccsbBroadEn_06921	ccsbBroad304_06921	454	BC093970	6368	CCL23	no errors		hORFeome V8.1 Collection	6368	CCL23			Full Length 99-100% match
ccsbBroadEn_06922	ccsbBroad304_06922		BC069391	6369	CCL24	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6369	CCL24			Full Length 99-100% match
ccsbBroadEn_06923	ccsbBroad304_06923		BC130561	6370	CCL25	no errors		hORFeome V8.1 Collection	6370	CCL25			Full Length 99-100% match
ccsbBroadEn_06924	ccsbBroad304_06924		BC008765	6382	SDC1	no errors		hORFeome V8.1 Collection	6382	SDC1			Full Length 99-100% match
ccsbBroadEn_06925	ccsbBroad304_06925		BC049836	6383	SDC2	no errors		hORFeome V8.1 Collection	6383	SDC2			Full Length 99-100% match
ccsbBroadEn_06926	ccsbBroad304_06926		BC001380	6389	SDHA	no errors		hORFeome V8.1 Collection	6389	SDHA			Full Length 99-100% match
ccsbBroadEn_06927	ccsbBroad304_06927		BC007840	6390	SDHB	no errors		hORFeome V8.1 Collection	6390	SDHB			Full Length 99-100% match
ccsbBroadEn_06928	ccsbBroad304_06928	454	BC007840	6390	SDHB	no errors		hORFeome V8.1 Collection	6390	SDHB			Full Length 99-100% match
ccsbBroadEn_06929	ccsbBroad304_06929		BC012603	6392	SDHD	no errors		hORFeome V8.1 Collection	6392	SDHD			Full Length 99-100% match
ccsbBroadEn_06930	ccsbBroad304_06930		BC017716	6398	SECTM1	no errors		hORFeome V8.1 Collection	6398	SECTM1			Full Length 99-100% match
ccsbBroadEn_06931	ccsbBroad304_06931		BC042914	6405	SEMA3F	no errors		hORFeome V8.1 Collection	6405	SEMA3F			Full Length 99-100% match
ccsbBroadEn_06932	ccsbBroad304_06932	454	BC070306	6407	SEMG2	no errors		hORFeome V8.1 Collection	6407	SEMG2			Full Length 99-100% match
ccsbBroadEn_06933	Failed LR reaction		BC058919	6414	SEPP1	early stop codon		hORFeome V8.1 Mutant Subcollection	6414	SEPP1			Full Length 99-100% match
ccsbBroadEn_06934	ccsbBroad304_06934	454	BC051192	6421	SFPQ	no errors		hORFeome V8.1 Collection	6421	SFPQ			Full Length 99-100% match
ccsbBroadEn_06935	ccsbBroad304_06935		BC008666	6423	SFRP2	no errors		hORFeome V8.1 Collection	6423	SFRP2			Full Length 99-100% match
ccsbBroadEn_06936	ccsbBroad304_06936		BC058911	6424	SFRP4	no errors		hORFeome V8.1 Collection	6424	SFRP4			Full Length 99-100% match
ccsbBroadEn_06937	ccsbBroad304_06937		BC006832	6431	SRSF6	no errors		hORFeome V8.1 Collection	6431	SRSF6			Full Length 99-100% match
ccsbBroadEn_06938	ccsbBroad304_06938	454	BC136678	6433	SFSWAP	1 synonymous error		hORFeome V8.1 Collection	6433	SFSWAP			Full Length 99-100% match
ccsbBroadEn_06939	ccsbBroad304_06939		BC005913	6440	SFTPC	no errors		hORFeome V8.1 Collection	6440	SFTPC			Full Length 99-100% match
ccsbBroadEn_06940	ccsbBroad304_06940		BC022318	6441	SFTPD	no errors		hORFeome V8.1 Collection	6441	SFTPD			Full Length 99-100% match
ccsbBroadEn_06941	ccsbBroad304_06941		BC020740	6444	SGCD	no errors		hORFeome V8.1 Collection	6444	SGCD			Full Length 99-100% match
ccsbBroadEn_06942	ccsbBroad304_06942		BC005349	6447	SCG5	no errors		hORFeome V8.1 Collection	6447	SCG5			Full Length 99-100% match
ccsbBroadEn_06943	ccsbBroad304_06943		BC047318	6448	SGSH	no errors		hORFeome V8.1 Collection	6448	SGSH			Full Length 99-100% match
ccsbBroadEn_06944	ccsbBroad304_06944		BC006371	6450	SH3BGR	no errors		hORFeome V8.1 Collection	6450	SH3BGR			Full Length 99-100% match
ccsbBroadEn_06945	ccsbBroad304_06945		BC001270	6455	SH3GL1	1 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6455	SH3GL1			Full Length 99-100% match
ccsbBroadEn_06946	ccsbBroad304_06946		BC007979	6470	SHMT1	no errors		hORFeome V8.1 Collection	6470	SHMT1			Full Length 99-100% match
ccsbBroadEn_06947	ccsbBroad304_06947		BC013677	6472	SHMT2	no errors		hORFeome V8.1 Collection	6472	SHMT2			Full Length 99-100% match
ccsbBroadEn_06948	ccsbBroad304_06948		BC031476	6480	ST6GAL1	no errors		hORFeome V8.1 Collection	6480	ST6GAL1			Full Length 99-100% match
ccsbBroadEn_06949	ccsbBroad304_06949		BC018357	6482	ST3GAL1	no errors		hORFeome V8.1 Collection	6482	ST3GAL1			Full Length 99-100% match
ccsbBroadEn_06950	ccsbBroad304_06950		BC001414	6490	PMEL	no errors		hORFeome V8.1 Collection	6490	PMEL			Full Length 99-100% match
ccsbBroadEn_06951	ccsbBroad304_06951		BC008874	6495	SIX1	no errors		hORFeome V8.1 Collection	6495	SIX1			Full Length 99-100% match
ccsbBroadEn_06952	ccsbBroad304_06952		BC025673	6500	SKP1	2 non-synonymous errors		hORFeome V8.1 Mutant Subcollection	6500	SKP1			Full Length 99-100% match



ccsbBroadEn_06953	ccsbBroad304_06953		BC007042	6503	SLA	no errors	hORFeome V8.1 Collection	6503	SLA	NM_001045556.2	Full Length 99-100% match
ccsbBroadEn_06954	ccsbBroad304_06954		BC033040	6505	SLC1A1	no errors	hORFeome V8.1 Collection	6505	SLC1A1	NM_004170.5	Full Length 99-100% match
ccsbBroadEn_06955	ccsbBroad304_06955	454	BC037310	6507	SLC1A3	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	6507	SLC1A3	NM_004172.4	Full Length 99-100% match
ccsbBroadEn_06956	ccsbBroad304_06956	454	BC146656	6508	SLC4A3	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6508	SLC4A3	NM_005070.3	Full Length 99-100% match
ccsbBroadEn_06957	ccsbBroad304_06957		BC000062	6510	SLC1A5	no errors	hORFeome V8.1 Collection	6510	SLC1A5	NM_005628.2	Full Length 99-100% match
ccsbBroadEn_06958	ccsbBroad304_06958		BC012119,BC017242	6512	SLC1A7	no errors	hORFeome V8.1 Collection	6512	SLC1A7	NM_006671.4	Full Length 99-100% match
ccsbBroadEn_06959	ccsbBroad304_06959	454	BC099628	6521	SLC4A1	no errors	hORFeome V8.1 Collection	6521	SLC4A1	NM_000342.3	Full Length 99-100% match
ccsbBroadEn_06960	ccsbBroad304_06960	454	BC105047	6528	SLC5A5	no errors	hORFeome V8.1 Collection	6528	SLC5A5	NM_000453.2	Full Length 99-100% match
ccsbBroadEn_06961	ccsbBroad304_06961		BC033904	6529	SLC6A1	no errors	hORFeome V8.1 Collection	6529	SLC6A1	NM_003042.3	Full Length 99-100% match
ccsbBroadEn_06962	ccsbBroad304_06962		BC113425	6534	SLC6A7	no errors	hORFeome V8.1 Collection	6534	SLC6A7	NM_014228.3	Full Length 99-100% match
ccsbBroadEn_06963	ccsbBroad304_06963		CCSB53295	6547	SLC8A3	1 synonomous error	hORFeome V8.1 Collection	6547	SLC8A3	NM_182936.1	Full Length 99-100% match
ccsbBroadEn_06964	ccsbBroad304_06964	454	BC136377	6549	SLC9A2	early stop codon	hORFeome V8.1 Mutant Subcollection	6549	SLC9A2	NM_003048.3	Full Length 99-100% match
ccsbBroadEn_06965	ccsbBroad304_06965		BC021193	6560	SLC12A4	no errors	hORFeome V8.1 Collection	6560	SLC12A4	NM_005072.4	Full Length 99-100% match
ccsbBroadEn_06966	ccsbBroad304_06966	454	BC050539	6563	SLC14A1	no errors	hORFeome V8.1 Collection	6563	SLC14A1	NM_001146036.2; NM_015865.5	Full Length 99-100% match
ccsbBroadEn_06967	ccsbBroad304_06967		BC096327	6564	SLC15A1	no errors	hORFeome V8.1 Collection	6564	SLC15A1	NM_005073.3	Full Length 99-100% match
ccsbBroadEn_06968	ccsbBroad304_06968		BC053349	6569	SLC34A1	no errors	hORFeome V8.1 Collection	6569	SLC34A1	NM_003052.4	Full Length 99-100% match
ccsbBroadEn_06969	ccsbBroad304_06969		BC006317	6570	SLC18A1	no errors	hORFeome V8.1 Collection	6570	SLC18A1	NM_001142324.1	Full Length 99-100% match
ccsbBroadEn_06970	ccsbBroad304_06970		BC007765	6572	SLC18A3	no errors	hORFeome V8.1 Collection	6572	SLC18A3	NM_003055.2	Full Length 99-100% match
ccsbBroadEn_06971	Failed LR reaction		BC028600	6575	SLC20A2	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6575	SLC20A2	NM_006749.3	Full Length 99-100% match
ccsbBroadEn_06972	ccsbBroad304_06972		BC004980,BC008061	6576	SLC25A1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6576	SLC25A1	NM_005984.2	Full Length 99-100% match
ccsbBroadEn_06973	ccsbBroad304_06973		BC126364	6580	SLC22A1	no errors	hORFeome V8.1 Collection	6580	SLC22A1	NM_003057.2	Full Length 99-100% match
ccsbBroadEn_06974	ccsbBroad304_06974		BC012325	6584	SLC22A5	no errors	hORFeome V8.1 Collection	6584	SLC22A5	NM_003060.3	Full Length 99-100% match
ccsbBroadEn_06975	ccsbBroad304_06975		BC013045	6601	SMARCC2	no errors	hORFeome V8.1 Collection	6601	SMARCC2	NM_139067.2	Full Length 99-100% match
ccsbBroadEn_06976	ccsbBroad304_06976		BC007082,BC011017	6605	SMARCE1	no errors	hORFeome V8.1 Collection	6605	SMARCE1	NM_003079.4	Full Length 99-100% match
ccsbBroadEn_06977	ccsbBroad304_06977		BC000908	6607	SMN2	no errors	hORFeome V8.1 Collection	6607	SMN2	NM_022875.2	Full Length 99-100% match
ccsbBroadEn_06978	ccsbBroad304_06978		BC015308	6607	SMN2	no errors	hORFeome V8.1 Collection	6606; 6607	SMN1; SMN2	NM_000344.3; NM_017411.3	Full Length 99-100% match
ccsbBroadEn_06979	ccsbBroad304_06979		BC000038	6610	SMPD2	no errors	hORFeome V8.1 Collection	6610	SMPD2	NM_003080.2	Full Length 99-100% match
ccsbBroadEn_06980	ccsbBroad304_06980		BC000036,BC008420	6612	SUMO3	1 synonomous error	hORFeome V8.1 Collection	6612	SUMO3	NM_006936.2	Full Length 99-100% match
ccsbBroadEn_06981	ccsbBroad304_06981		BC008450	6613	SUMO2	no errors	hORFeome V8.1 Collection	6613	SUMO2	NM_006937.3	Full Length 99-100% match
ccsbBroadEn_06982	ccsbBroad304_06982	454	BC001315	6625	SNRNP70	no errors	hORFeome V8.1 Collection	6625	SNRNP70	NM_003089.4	Full Length 99-100% match
ccsbBroadEn_06983	ccsbBroad304_06983		BC001721	6632	SNRPD1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6632	SNRPD1	NM_006938.2	Full Length 99-100% match
ccsbBroadEn_06984	ccsbBroad304_06984		BC000357	6642	SNX1	no errors	hORFeome V8.1 Collection	6642	SNX1	NM_003099.3	Full Length 99-100% match
ccsbBroadEn_06985	ccsbBroad304_06985		BC021085,BC025295	6652	SORD	no errors	hORFeome V8.1 Collection	6652	SORD	NM_003104.5	Full Length 99-100% match
ccsbBroadEn_06986	ccsbBroad304_06986		BC009377	6675	UAP1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6675	UAP1	NM_003115.4	Full Length 99-100% match
ccsbBroadEn_06987	ccsbBroad304_06987		BC026163	6677	SPAM1	no errors	hORFeome V8.1 Collection	6677	SPAM1	NM_003117.4	Full Length 99-100% match
ccsbBroadEn_06988	ccsbBroad304_06988		BC022514	6691	SPINK2	no errors	hORFeome V8.1 Collection	6691	SPINK2	NM_021114.2	Full Length 99-100% match
ccsbBroadEn_06989	ccsbBroad304_06989		BC004140,BC018702	6692	SPINT1	no errors	hORFeome V8.1 Collection	6692	SPINT1	NM_003710.3; NM_001032367.1	Full Length 99-100% match
ccsbBroadEn_06990	ccsbBroad304_06990		BC030691	6695	SPOCK1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6695	SPOCK1	NM_004598.3	Full Length 99-100% match
ccsbBroadEn_06991	ccsbBroad304_06991		BC096108	6700	SPRR2A	no errors	hORFeome V8.1 Collection	6700; 6701	SPRR2A; SPRR2B	NM_005988.2; NM_001017418.1	Full Length 99-100% match
ccsbBroadEn_06992	ccsbBroad304_06992		BC011566	6714	SRC	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6714	SRC	NM_005417.3; NM_198291.1	Full Length 99-100% match
ccsbBroadEn_06993	ccsbBroad304_06993		BC007033,BC008673	6715	SRD5A1	no errors	hORFeome V8.1 Collection	6715	SRD5A1	NM_001047.2	Full Length 99-100% match
ccsbBroadEn_06994	ccsbBroad304_06994		BC011025	6717	SRI	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6717	SRI	NM_003130.2	Full Length 99-100% match
ccsbBroadEn_06995	ccsbBroad304_06995		BC057388	6720	SREBF1	no errors	hORFeome V8.1 Collection	6720	SREBF1	NM_004176.4	Full Length 99-100% match
ccsbBroadEn_06996	ccsbBroad304_06996		BC000309,BC033106	6723	SRM	no errors	hORFeome V8.1 Collection	6723	SRM	NM_003132.2	Full Length 99-100% match
ccsbBroadEn_06997	ccsbBroad304_06997		BC067845	6726	SRP9	no errors	hORFeome V8.1 Collection	6726	SRP9	NM_001130440.1	Full Length 99-100% match
ccsbBroadEn_06998	ccsbBroad304_06998		BC038292	6732	SRPK1	no errors	hORFeome V8.1 Collection	6732	SRPK1	NM_003137.4	Full Length 99-100% match
ccsbBroadEn_06999	ccsbBroad304_06999		BC068547	6733	SRPK2	no errors	hORFeome V8.1 Collection	6733	SRPK2	NM_182691.1	Full Length 99-100% match
ccsbBroadEn_07000	ccsbBroad304_07000		BC036658	6738	TROVE2	1 synonomous error	hORFeome V8.1 Collection	6738	TROVE2	NM_004600.5; NM_001173524.1	Full Length 99-100% match
ccsbBroadEn_07001	ccsbBroad304_07001		BC007343	6757	SSX2	no errors	hORFeome V8.1 Collection	6757; 727837	SSX2; SSX2B	NM_175698.1; NM_001164417.1	Full Length 99-100% match
ccsbBroadEn_07002	ccsbBroad304_07002		BC016640	6758	SSX5	no errors	hORFeome V8.1 Collection	6758	SSX5	NM_021015.3	Full Length 99-100% match
ccsbBroadEn_07003	ccsbBroad304_07003		BC005325	6759	SSX4	no errors	hORFeome V8.1 Collection	6759; 548313	SSX4; SSX4B	NM_005636.3; NM_001034832.2	Full Length 99-100% match
ccsbBroadEn_07004	ccsbBroad304_07004		BC096222	6760	SS18	no errors	hORFeome V8.1 Collection	6760	SS18	NM_001007559.1	Full Length 99-100% match
ccsbBroadEn_07005	ccsbBroad304_07005		BC036655	6764	ST5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6764	ST5	NM_005418.3; NM_213618.1	Full Length 99-100% match
ccsbBroadEn_07006	ccsbBroad304_07006		BC030532	6768	ST14	no errors	hORFeome V8.1 Collection	6768	ST14	NM_021978.3	Full Length 99-100% match
ccsbBroadEn_07007	ccsbBroad304_07007		BC020221	6769	STAC	no errors	hORFeome V8.1 Collection	6769	STAC	NM_003149.1	Full Length 99-100% match
ccsbBroadEn_07008	ccsbBroad304_07008		BC027036	6776	STAT5A	no errors	hORFeome V8.1 Collection	6776	STAT5A	NM_003152.3	Full Length 99-100% match
ccsbBroadEn_07009	ccsbBroad304_07009		BC029044	6781	STC1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6781	STC1	NM_003155.2	Full Length 99-100% match
ccsbBroadEn_07010	ccsbBroad304_07010		BC036370	6782	HSPA13	no errors	hORFeome V8.1 Collection	6782	HSPA13	NM_006948.4	Full Length 99-100% match
ccsbBroadEn_07011	ccsbBroad304_07011		BC027956	6783	SULT1E1	early stop codon	hORFeome V8.1 Mutant Subcollection	6783	SULT1E1	NM_005420.2	Full Length 99-100% match
ccsbBroadEn_07012	ccsbBroad304_07012		BC010640	6788	STK3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6788	STK3	NM_006281.2	Full Length 99-100% match
ccsbBroadEn_07013	ccsbBroad304_07013	454	BC064644	6804	STX1A	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6804	STX1A	NM_004603.3	Full Length 99-100% match
ccsbBroadEn_07014	ccsbBroad304_07014		BC038099	6814	STXBP3	no errors	hORFeome V8.1 Collection	6814	STXBP3	NM_007269.2	Full Length 99-100% match
ccsbBroadEn_07015	ccsbBroad304_07015		BC000923	6817	SULT1A1	no errors	hORFeome V8.1 Collection	6817	SULT1A1	NM_001055.2; NM_177529.1; NM_177530.1; NM_177534.1	Full Length 99-100% match
ccsbBroadEn_07016	ccsbBroad304_07016		BC014471	6818	SULT1A3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6818; 445329	SULT1A3; SULT1A4	NM_177552.3; NM_001017390.2	Full Length 99-100% match
ccsbBroadEn_07017	ccsbBroad304_07017	454	BC065193	6821	SUOX	no errors	hORFeome V8.1 Collection	6821	SUOX	NM_000456.2; NM_001032387.1; NM_001032386.1	Full Length 99-100% match
ccsbBroadEn_07018	ccsbBroad304_07018		BC024203	6829	SUPT5H	no errors	hORFeome V8.1 Collection	6829	SUPT5H	NM_003169.3; NM_001111020.2; NM_001130824.1	Full Length 99-100% match
ccsbBroadEn_07019	ccsbBroad304_07019		BC028314	6834	SURF1	no errors	hORFeome V8.1 Collection	6834	SURF1	NM_003172.2	Full Length 99-100% match
ccsbBroadEn_07020	Failed LR reaction		BC071658	6834	SURF1	no errors	hORFeome V8.1 Collection	6834	SURF1	NM_003172.2	Full Length 99-100% match
ccsbBroadEn_07021	ccsbBroad304_07021		BC014411	6835	SURF2	no errors	hORFeome V8.1 Collection	6835	SURF2	NM_017503.3	Full Length 99-100% match
ccsbBroadEn_07022	ccsbBroad304_07022		BC023286	6843	VAMP1	no errors	hORFeome V8.1 Collection	6843	VAMP1	NM_199245.1	Full Length 99-100% match
ccsbBroadEn_07023	ccsbBroad304_07023		BC002962	6850	SYK	no errors	hORFeome V8.1 Collection	6850	SYK	NM_003177.5; NM_001174167.1	Full Length 99-100% match
ccsbBroadEn_07024	ccsbBroad304_07024		BC011399	6850	SYK	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6850	SYK	NM_001135052.2; NM_001174168.1	Full Length 99-100% match
ccsbBroadEn_07025	ccsbBroad304_07025		BC064550	6855	SYP	no errors	hORFeome V8.1 Collection	6855	SYP	NM_003179.2	Full Length 99-100% match



ccsbBroadEn_07026	ccsbBroad304_07026		BC058917	6857	SYT1	no errors	hORFeome V8.1 Collection	6857	SYT1	NM_001135805.1; NM_005639.2; NM_001135806.1	Full Length 99-100% match
ccsbBroadEn_07027	ccsbBroad304_07027		BC046157	6861	SYT5	no errors	hORFeome V8.1 Collection	6861	SYT5	NM_003180.2	Full Length 99-100% match
ccsbBroadEn_07028	ccsbBroad304_07028		BC122551	6870	TACR3	no errors	hORFeome V8.1 Collection	6870	TACR3	NM_001059.2	Full Length 99-100% match
ccsbBroadEn_07029	ccsbBroad304_07029		BC011753	6871	TADA2A	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6871	TADA2A	NM_001488.3; NM_001166105.1	Full Length 99-100% match
ccsbBroadEn_07030	ccsbBroad304_07030		BC001172	6871	TADA2A	no errors	hORFeome V8.1 Collection	6871	TADA2A	NM_133439.2	Full Length 99-100% match
ccsbBroadEn_07031	ccsbBroad304_07031		BC130534	6898	TAT	no errors	hORFeome V8.1 Collection	6898	TAT	NM_000353.2	Full Length 99-100% match
ccsbBroadEn_07032	ccsbBroad304_07032		BC129986	6900	CNTN2	no errors	hORFeome V8.1 Collection	6900	CNTN2	NM_005076.2	Full Length 99-100% match
ccsbBroadEn_07033	ccsbBroad304_07033		BC017479	6903	TBCC	no errors	hORFeome V8.1 Collection	6903	TBCC	NM_003192.2	Full Length 99-100% match
ccsbBroadEn_07034	ccsbBroad304_07034		BC008654	6905	TBCE	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6905	TBCE	NM_001079515.1; NM_003193.3	Full Length 99-100% match
ccsbBroadEn_07035	Failed LR reaction		BC122553	6913	TBX15	no errors	hORFeome V8.1 Collection	6913	TBX15	NM_152380.2	Full Length 99-100% match
ccsbBroadEn_07036	ccsbBroad304_07036		BC125084	6925	TCF4	no errors	hORFeome V8.1 Collection	6925	TCF4	NM_001083962.1	Full Length 99-100% match
ccsbBroadEn_07037	ccsbBroad304_07037		BC050556	6938	TCF12	no errors	hORFeome V8.1 Collection	6938	TCF12	NM_207036.1; NM_207037.1	Full Length 99-100% match
ccsbBroadEn_07038	ccsbBroad304_07038		BC047105	6940	ZNF354A	no errors	hORFeome V8.1 Collection	6940	ZNF354A	NM_005649.2	Full Length 99-100% match
ccsbBroadEn_07039	ccsbBroad304_07039		BC002493,BC033086	6941	TCF19	no errors	hORFeome V8.1 Collection	6941	TCF19	NM_007109.2; NM_001077511.1	Full Length 99-100% match
ccsbBroadEn_07040	ccsbBroad304_07040		BC010689	6945	MLX	no errors	hORFeome V8.1 Collection	6945	MLX	NM_198204.1	Full Length 99-100% match
ccsbBroadEn_07041	ccsbBroad304_07041		BC011764,BC033093	6949	TCOF1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	6949	TCOF1	NM_001008657.2	Full Length 99-100% match
ccsbBroadEn_07042	ccsbBroad304_07042		BC063451	6953	TCP10	no errors	hORFeome V8.1 Collection	6953	TCP10	NM_004610.3	Full Length 99-100% match
ccsbBroadEn_07043	ccsbBroad304_07043		BC022393	6997	TDGF1	no errors	hORFeome V8.1 Collection	6997	TDGF1	NM_003212.3	Full Length 99-100% match
ccsbBroadEn_07044	ccsbBroad304_07044		BC067844	6997	TDGF1	no errors	hORFeome V8.1 Collection	6997	TDGF1	NM_003212.3	Full Length 99-100% match
ccsbBroadEn_07045	ccsbBroad304_07045		BC015497	7004	TEAD4	no errors	hORFeome V8.1 Collection	7004	TEAD4	NM_201443.2	Full Length 99-100% match
ccsbBroadEn_07046	ccsbBroad304_07046		BC039258,BC042476	7008	TEF	no errors	hORFeome V8.1 Collection	7008	TEF	NM_003216.2	Full Length 99-100% match
ccsbBroadEn_07047	ccsbBroad304_07047	454	BC000916,BC036203	7009	TMBIM6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7009	TMBIM6	NM_003217.2	Full Length 99-100% match
ccsbBroadEn_07048	ccsbBroad304_07048	454	BC059367	7018	TF	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7018	TF	NM_001063.3	Full Length 99-100% match
ccsbBroadEn_07049	ccsbBroad304_07049		BC126366,CCSB53290	7019	TFAM	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7019	TFAM	NM_003201.1	Full Length 99-100% match
ccsbBroadEn_07050	ccsbBroad304_07050		BC017754	7020	TFAP2A	no errors	hORFeome V8.1 Collection	7020	TFAP2A	NM_001032280.2	Full Length 99-100% match
ccsbBroadEn_07051	ccsbBroad304_07051		BC011685	7027	TFDP1	3 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7027	TFDP1	NM_007111.4	Full Length 99-100% match
ccsbBroadEn_07052	ccsbBroad304_07052		BC032811	7031	TFF1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7031	TFF1	NM_003225.2	Full Length 99-100% match
ccsbBroadEn_07053	ccsbBroad304_07053		BC015514	7035	TFPI	1 synonymous error	hORFeome V8.1 Collection	7035	TFPI	NM_001032281.2	Full Length 99-100% match
ccsbBroadEn_07054	ccsbBroad304_07054		BC015514	7036	TFR2	no errors	hORFeome V8.1 Collection	7036	TFR2	NM_003227.3	Full Length 99-100% match
ccsbBroadEn_07055	ccsbBroad304_07055	454	BC142630	7036	TFR2	no errors	hORFeome V8.1 Collection	7036	TFR2	NM_003227.3	Full Length 99-100% match
ccsbBroadEn_07056	ccsbBroad304_07056		BC000125,BC022242	7040	TGFB1	no errors	hORFeome V8.1 Collection	7040	TGFB1	NM_000660.4	Full Length 99-100% match
ccsbBroadEn_07057	ccsbBroad304_07057	454	BC096235,BC099635	7042	TGFB2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7042	TGFB2	NM_003238.3	Full Length 99-100% match
ccsbBroadEn_07058	ccsbBroad304_07058		BC004972	7045	TGFBI	no errors	hORFeome V8.1 Collection	7045	TGFBI	NM_000358.2	Full Length 99-100% match
ccsbBroadEn_07059	ccsbBroad304_07059		BC007003	7047	TGM4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7047	TGM4	NM_003241.3	Full Length 99-100% match
ccsbBroadEn_07060	ccsbBroad304_07060		BC031268	7050	TGIF1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7050	TGIF1	NM_170695.2	Full Length 99-100% match
ccsbBroadEn_07061	ccsbBroad304_07061		BC003551	7052	TGM2	1 synonymous error	hORFeome V8.1 Collection	7052	TGM2	NM_198951.1	Full Length 99-100% match
ccsbBroadEn_07062	ccsbBroad304_07062		BC109076	7053	TGM3	no errors	hORFeome V8.1 Collection	7053	TGM3	NM_003245.3	Full Length 99-100% match
ccsbBroadEn_07063	Failed LR reaction	454	BC109075	7053	TGM3	no errors	hORFeome V8.1 Collection	7053	TGM3	NM_003245.3	Full Length 99-100% match
ccsbBroadEn_07064	ccsbBroad304_07064	454	BC104967	7054	TH	no errors	hORFeome V8.1 Collection	7054	TH	NM_000360.3	Full Length 99-100% match
ccsbBroadEn_07065	ccsbBroad304_07065	454	BC150175	7058	THBS2	no errors	hORFeome V8.1 Collection	7058	THBS2	NM_003247.2	Full Length 99-100% match
ccsbBroadEn_07066	ccsbBroad304_07066		BC000261,BC002728	7067	THRA	1 synonymous error	hORFeome V8.1 Collection	7067	THRA	NM_003250.5; NM_001190919.1	Full Length 99-100% match
ccsbBroadEn_07067	ccsbBroad304_07067		BC011538	7071	KLF10	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7071	KLF10	NM_001032282.2	Full Length 99-100% match
ccsbBroadEn_07068	ccsbBroad304_07068		BC038239	7075	TIE1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7075	TIE1	NM_005424.2	Full Length 99-100% match
ccsbBroadEn_07069	ccsbBroad304_07069		BC007872	7083	TK1	no errors	hORFeome V8.1 Collection	7083	TK1	NM_003258.4	Full Length 99-100% match
ccsbBroadEn_07070	ccsbBroad304_07070		CCSB53301	7084	TK2	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7084	TK2	NM_004614.4	Full Length 99-100% match
ccsbBroadEn_07071	ccsbBroad304_07071		BC009970	7086	TKT	no errors	hORFeome V8.1 Collection	7086	TKT	NM_001064.3; NM_001135055.2	Full Length 99-100% match
ccsbBroadEn_07072	ccsbBroad304_07072		BC015747	7088	TLE1	no errors	hORFeome V8.1 Collection	7088	TLE1	NM_005077.3	Full Length 99-100% match
ccsbBroadEn_07073	ccsbBroad304_07073	454	BC089403	7096	TLR1	no errors	hORFeome V8.1 Collection	7096	TLR1	NM_003263.3	Full Length 99-100% match
ccsbBroadEn_07074	ccsbBroad304_07074		BC033756	7097	TLR2	no errors	hORFeome V8.1 Collection	7097	TLR2	NM_003264.3	Full Length 99-100% match
ccsbBroadEn_07075	ccsbBroad304_07075	454	BC109118	7100	TLR5	no errors	hORFeome V8.1 Collection	7100	TLR5	NM_003268.5	Full Length 99-100% match
ccsbBroadEn_07076	ccsbBroad304_07076		BC018036	7102	TSPAN7	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7102	TSPAN7	NM_004615.3	Full Length 99-100% match
ccsbBroadEn_07077	ccsbBroad304_07077		BC005246	7103	TSPAN8	no errors	hORFeome V8.1 Collection	7103	TSPAN8	NM_004616.2	Full Length 99-100% match
ccsbBroadEn_07078	ccsbBroad304_07078		BC012389	7105	TSPAN6	no errors	hORFeome V8.1 Collection	7105	TSPAN6	NM_003270.2	Full Length 99-100% match
ccsbBroadEn_07079	ccsbBroad304_07079		BC000389	7106	TSPAN4	no errors	hORFeome V8.1 Collection	7106	TSPAN4	NM_003271.4; NM_001025238.1; NM_001025237.1; NM_001025236.1; NM_001025235.1;	Full Length 99-100% match
ccsbBroadEn_07080	ccsbBroad304_07080		BC012857	7108	TM7SF2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7108	TM7SF2	NM_003273.2	Full Length 99-100% match
ccsbBroadEn_07081	ccsbBroad304_07081		BC002660	7111	TMOD1	no errors	hORFeome V8.1 Collection	7111	TMOD1	NM_003275.3; NM_001166116.1	Full Length 99-100% match
ccsbBroadEn_07082	ccsbBroad304_07082		BC051839	7113	TMPRSS2	no errors	hORFeome V8.1 Collection	7113	TMPRSS2	NM_005656.3	Full Length 99-100% match
ccsbBroadEn_07083	ccsbBroad304_07083		BC112282	7120	TMSL6	no errors	hORFeome V8.1 Collection	7114	TMSB4X	NM_021109.3	Full Length 99-100% match
ccsbBroadEn_07084	ccsbBroad304_07084		BC011024	7123	CLEC3B	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7123	CLEC3B	NM_003278.2	Full Length 99-100% match
ccsbBroadEn_07085	ccsbBroad304_07085		BC005323	7125	TNNC2	no errors	hORFeome V8.1 Collection	7125	TNNC2	NM_003279.2	Full Length 99-100% match
ccsbBroadEn_07086	ccsbBroad304_07086		BC032148	7136	TNNI2	no errors	hORFeome V8.1 Collection	7136	TNNI2	NM_001145829.1; NM_003282.3	Full Length 99-100% match
ccsbBroadEn_07087	ccsbBroad304_07087		BC033740	7148	TNXB	no errors	hORFeome V8.1 Collection	7148	TNXB	NM_032470.3	Full Length 99-100% match
ccsbBroadEn_07088	ccsbBroad304_07088		BC003596	7157	TP53	no errors	hORFeome V8.1 Collection	7157	TP53	NM_000546.4; NM_001126112.1	Full Length 99-100% match
ccsbBroadEn_07089	ccsbBroad304_07089	454	BC037161	7162	TPBG	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7162	TPBG	NM_006670.4; NM_001166392.1	Full Length 99-100% match
ccsbBroadEn_07090	ccsbBroad304_07090		BC007433	7168	TPM1	no errors	hORFeome V8.1 Collection	7168	TPM1	NM_000366.5	Full Length 99-100% match
ccsbBroadEn_07091	ccsbBroad304_07091		BC053545	7168	TPM1	no errors	hORFeome V8.1 Collection	7168	TPM1	NM_001018008.1	Full Length 99-100% match
ccsbBroadEn_07092	ccsbBroad304_07092		BC002827	7171	TPM4	no errors	hORFeome V8.1 Collection	7171	TPM4	NM_003290.2	Full Length 99-100% match
ccsbBroadEn_07093	Failed LR reaction		BC005339	7172	TPMT	no errors	hORFeome V8.1 Collection	7172	TPMT	NM_000367.2	Full Length 99-100% match
ccsbBroadEn_07094	ccsbBroad304_07094		BC009596	7172	TPMT	no errors	hORFeome V8.1 Collection	7172	TPMT	NM_000367.2	Full Length 99-100% match
ccsbBroadEn_07095	ccsbBroad304_07095		BC039905	7174	TPP2	no errors	hORFeome V8.1 Collection	7174	TPP2	NM_003291.2	Full Length 99-100% match
ccsbBroadEn_07096	ccsbBroad304_07096		BC028719	7179	TPTE	no errors	hORFeome V8.1 Collection	7179	TPTE	NM_199259.2	Full Length 99-100% match
ccsbBroadEn_07097	ccsbBroad304_07097		BC024145	7185	TRAF1	no errors	hORFeome V8.1 Collection	7185	TRAF1	NM_005658.4; NM_001190945.1	Full Length 99-100% match
ccsbBroadEn_07098	ccsbBroad304_07098	454	BC075086	7187	TRAF3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	7187	TRAF3	NM_145725.2	Full Length 99-100% match
ccsbBroadEn_07099	ccsbBroad304_07099		BC069375	7200	TRH	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7200	TRH	NM_007117.3	Full Length 99-100% match



ccsbBroadEn_07100	ccsbBroad304_07100	454	BC137271	7224	TRPC5	1 synonymous error	hORFeome V8.1 Collection	7224	TRPC5	NM_012471.2	Full Length 99-100% match
ccsbBroadEn_07101	ccsbBroad304_07101	454	BC150300	7249	TSC2	no errors	hORFeome V8.1 Collection	7249	TSC2	NM_001114382.1	Full Length 99-100% match
ccsbBroadEn_07102	ccsbBroad304_07102		BC002487	7251	TSG101	no errors	hORFeome V8.1 Collection	7251	TSG101	NM_006292.2	Full Length 99-100% match
ccsbBroadEn_07103	ccsbBroad304_07103		BC069298	7252	TSHB	no errors	hORFeome V8.1 Collection	7252	TSHB	NM_000549.3	Full Length 99-100% match
ccsbBroadEn_07104	ccsbBroad304_07104		BC009237	7253	TSHR	no errors	hORFeome V8.1 Collection	7253	TSHR	NM_001018036.2	Full Length 99-100% match
ccsbBroadEn_07105	ccsbBroad304_07105		BC000942	7265	TTC1	no errors	hORFeome V8.1 Collection	7265	TTC1	NM_003314.1	Full Length 99-100% match
ccsbBroadEn_07106	ccsbBroad304_07106		BC001276	7268	TTC4	no errors	hORFeome V8.1 Collection	7268	TTC4	NM_004623.4	Full Length 99-100% match
ccsbBroadEn_07107	ccsbBroad304_07107		BC000633	7272	TTK	no errors	hORFeome V8.1 Collection	7272	TTK	NM_003318.4	Full Length 99-100% match
ccsbBroadEn_07108	ccsbBroad304_07108		BC009238	7277	TUBA4A	1 synonymous error	hORFeome V8.1 Collection	7277	TUBA4A	NM_006000.1	Full Length 99-100% match
ccsbBroadEn_07109	ccsbBroad304_07109		BC001194	7280	TUBB2A	no errors	hORFeome V8.1 Collection	7280	TUBB2A	NM_001069.2	Full Length 99-100% match
ccsbBroadEn_07110	ccsbBroad304_07110		BC032587	7289	TULP3	1 synonymous error	hORFeome V8.1 Collection	7289	TULP3	NM_003324.4	Full Length 99-100% match
ccsbBroadEn_07111	ccsbBroad304_07111	454	BC003377,BC054866	7295	TXN	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7295	TXN	NM_003329.2	Full Length 99-100% match
ccsbBroadEn_07112	ccsbBroad304_07112		BC018122	7296	TXNRD1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7296	TXNRD1	NM_182729.1; NM_182742.1; NM_182743.1	Full Length 99-100% match
ccsbBroadEn_07113	ccsbBroad304_07113		BC005915	7307	U2AF1	no errors	hORFeome V8.1 Collection	7307	U2AF1	NM_001025204.1	Full Length 99-100% match
ccsbBroadEn_07114	ccsbBroad304_07114		BC003395,BC037894	7323	UBE2D3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7323	UBE2D3	NM_181887.1; NM_181889.1; NM_181890.1; NM_181891.1; NM_181886.2; NM_003340.5; NM_181888.2	Full Length 99-100% match
ccsbBroadEn_07115	ccsbBroad304_07115		BC066306	7341	SUMO1	no errors	hORFeome V8.1 Collection	7341	SUMO1	NM_001005781.1; NM_003352.4	Full Length 99-100% match
ccsbBroadEn_07116	ccsbBroad304_07116		BC063568	7348	UPK1B	no errors	hORFeome V8.1 Collection	7348	UPK1B	NM_006952.3	Full Length 99-100% match
ccsbBroadEn_07117	ccsbBroad304_07117		BC038711	7357	UGCG	1 synonymous error	hORFeome V8.1 Collection	7357	UGCG	NM_003358.1	Full Length 99-100% match
ccsbBroadEn_07118	ccsbBroad304_07118		BC022781	7358	UGDH	no errors	hORFeome V8.1 Collection	7358	UGDH	NM_003359.3	Full Length 99-100% match
ccsbBroadEn_07119	ccsbBroad304_07119		BC002954	7360	UGP2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7360	UGP2	NM_001001521.1	Full Length 99-100% match
ccsbBroadEn_07120	ccsbBroad304_07120	454	BC125130	7375	USP4	no errors	hORFeome V8.1 Collection	7375	USP4	NM_003363.3	Full Length 99-100% match
ccsbBroadEn_07121	ccsbBroad304_07121		BC007790	7376	NR1H2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7376	NR1H2	NM_007121.4	Full Length 99-100% match
ccsbBroadEn_07122	ccsbBroad304_07122		BC113900	7379	UPK2	no errors	hORFeome V8.1 Collection	7379	UPK2	NM_006760.3	Full Length 99-100% match
ccsbBroadEn_07123	ccsbBroad304_07123		BC000649	7386	UQCRCF1	no errors	hORFeome V8.1 Collection	7386	UQCRCF1	NM_006003.2	Full Length 99-100% match
ccsbBroadEn_07124	ccsbBroad304_07124		BC001778	7389	UROD	no errors	hORFeome V8.1 Collection	7389	UROD	NM_000374.4	Full Length 99-100% match
ccsbBroadEn_07125	ccsbBroad304_07125		BC035505	7391	USF1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7391	USF1	NM_007122.3	Full Length 99-100% match
ccsbBroadEn_07126	ccsbBroad304_07126		BC012808	7407	VARS	no errors	hORFeome V8.1 Collection	7407	VARS	NM_006295.2	Full Length 99-100% match
ccsbBroadEn_07127	ccsbBroad304_07127		BC035212,BC063685	7424	VEGFC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7424	VEGFC	NM_005429.2	Full Length 99-100% match
ccsbBroadEn_07128	ccsbBroad304_07128		BC058831	7428	VHL	no errors	hORFeome V8.1 Collection	7428	VHL	NM_198156.1	Full Length 99-100% match
ccsbBroadEn_07129	ccsbBroad304_07129	454	BC064424	7433	VIPR1	no errors	hORFeome V8.1 Collection	7433	VIPR1	NM_004624.3	Full Length 99-100% match
ccsbBroadEn_07130	ccsbBroad304_07130	454	BC142653	7436	VLDLR	no errors	hORFeome V8.1 Collection	7436	VLDLR	NM_001018056.1	Full Length 99-100% match
ccsbBroadEn_07131	ccsbBroad304_07131	454	BC103761	7443	VRK1	1 synonymous error	hORFeome V8.1 Collection	7443	VRK1	NM_003384.2	Full Length 99-100% match
ccsbBroadEn_07132	ccsbBroad304_07132		BC022012	7447	VSNL1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7447	VSNL1	NM_003385.4	Full Length 99-100% match
ccsbBroadEn_07133	ccsbBroad304_07133		BC005046	7448	VTN	no errors	hORFeome V8.1 Collection	7448	VTN	NM_000638.3	Full Length 99-100% match
ccsbBroadEn_07134	ccsbBroad304_07134		BC011690	7464	CORO2A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7464	CORO2A	NM_052820.3; NM_003389.3	Full Length 99-100% match
ccsbBroadEn_07135	ccsbBroad304_07135		BC096353	7480	WNT10B	no errors	hORFeome V8.1 Collection	7480	WNT10B	NM_003394.3	Full Length 99-100% match
ccsbBroadEn_07136	ccsbBroad304_07136		BC113431	7483	WNT9A	no errors	hORFeome V8.1 Collection	7483	WNT9A	NM_003395.2	Full Length 99-100% match
ccsbBroadEn_07137	ccsbBroad304_07137		BC032861	7490	WT1	no errors	hORFeome V8.1 Collection	7490	WT1	NM_001198551.1	Full Length 99-100% match
ccsbBroadEn_07138	ccsbBroad304_07138	454	BC100765	7499	XG	no errors	hORFeome V8.1 Collection	7499	XG	NM_001141919.1	Full Length 99-100% match
ccsbBroadEn_07139	ccsbBroad304_07139		BC036019	7504	XK	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7504	XK	NM_021083.2	Full Length 99-100% match
ccsbBroadEn_07140	ccsbBroad304_07140	454	BC016620	7508	XPC	no errors	hORFeome V8.1 Collection	7508	XPC	NM_004628.4	Full Length 99-100% match
ccsbBroadEn_07141	ccsbBroad304_07141		BC037308	7528	YY1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7528	YY1	NM_003403.3	Full Length 99-100% match
ccsbBroadEn_07142	ccsbBroad304_07142		BC020963	7532	YWHAG	no errors	hORFeome V8.1 Collection	7532	YWHAG	NM_012479.3	Full Length 99-100% match
ccsbBroadEn_07143	ccsbBroad304_07143		BC009693	7538	ZFP36	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7538	ZFP36	NM_003407.2	Full Length 99-100% match
ccsbBroadEn_07144	ccsbBroad304_07144		BC126390	7539	ZFP37	no errors	hORFeome V8.1 Collection	7539	ZFP37	NM_003408.1	Full Length 99-100% match
ccsbBroadEn_07145	ccsbBroad304_07145		BC110519	7541	ZFP161	no errors	hORFeome V8.1 Collection	7541	ZFP161	NM_003409.3; NM_001143823.1	Full Length 99-100% match
ccsbBroadEn_07146	ccsbBroad304_07146		BC011887	7551	ZNF3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7551	ZNF3	NM_032924.3	Full Length 99-100% match
ccsbBroadEn_07147	ccsbBroad304_07147		BC039323	7554	ZNF8	no errors	hORFeome V8.1 Collection	7554	ZNF8	NM_021089.2	Full Length 99-100% match
ccsbBroadEn_07148	ccsbBroad304_07148		BC000288	7555	CNBP	no errors	hORFeome V8.1 Collection	7555	CNBP	NM_001127196.1	Full Length 99-100% match
ccsbBroadEn_07149	ccsbBroad304_07149		BC024182	7556	ZNF10	no errors	hORFeome V8.1 Collection	7556	ZNF10	NM_015394.4	Full Length 99-100% match
ccsbBroadEn_07150	ccsbBroad304_07150	454	BC137068	7559	ZNF12	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7559	ZNF12	NM_016265.3	Full Length 99-100% match
ccsbBroadEn_07151	ccsbBroad304_07151		BC036096	7566	ZNF18	no errors	hORFeome V8.1 Collection	7566	ZNF18	NM_144680.2	Full Length 99-100% match
ccsbBroadEn_07152	ccsbBroad304_07152		BC047091	7567	ZNF19	no errors	hORFeome V8.1 Collection	7567	ZNF19	NM_006961.3	Full Length 99-100% match
ccsbBroadEn_07153	ccsbBroad304_07153		BC003566	7572	ZNF24	no errors	hORFeome V8.1 Collection	7572	ZNF24	NM_006965.2	Full Length 99-100% match
ccsbBroadEn_07154	ccsbBroad304_07154		BC016801	7572	ZNF24	no errors	hORFeome V8.1 Collection	7572	ZNF24	NM_006965.2	Full Length 99-100% match
ccsbBroadEn_07155	ccsbBroad304_07155		BC046206	7574	ZNF26	no errors	hORFeome V8.1 Collection	7574; 100287515	ZNF26; LOC100287515	NM_019591.2; XM_003119215.1; XM_003119216.1	Full Length 99-100% match
ccsbBroadEn_07156	ccsbBroad304_07156		BC015858	7587	ZNF37A	no errors	hORFeome V8.1 Collection	7587	ZNF37A	NM_003421.2; NM_001007094.2	Full Length 99-100% match
ccsbBroadEn_07157	ccsbBroad304_07157		BC006528	7594	ZNF43	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7594	ZNF43	NM_003423.2	Full Length 99-100% match
ccsbBroadEn_07158	ccsbBroad304_07158		BC013395	7625	ZNF74	no errors	hORFeome V8.1 Collection	7625	ZNF74	NM_003426.2	Full Length 99-100% match
ccsbBroadEn_07159	Failed LR reaction		BC109100	7626	ZNF75D	no errors	hORFeome V8.1 Collection	7626	ZNF75D	NM_007131.3	Full Length 99-100% match
ccsbBroadEn_07160	ccsbBroad304_07160		BC062309	7633	ZNF79	no errors	hORFeome V8.1 Collection	7633	ZNF79	NM_007135.2	Full Length 99-100% match
ccsbBroadEn_07161	ccsbBroad304_07161	454	BC069606	7634	ZNF80	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7634	ZNF80	NM_007136.3	Full Length 99-100% match
ccsbBroadEn_07162	ccsbBroad304_07162		BC113426	7638	ZNF221	no errors	hORFeome V8.1 Collection	7638	ZNF221	NM_013359.2	Full Length 99-100% match
ccsbBroadEn_07163	ccsbBroad304_07163		BC109107	7691	ZNF132	no errors	hORFeome V8.1 Collection	7691	ZNF132	NM_003433.3	Full Length 99-100% match
ccsbBroadEn_07164	ccsbBroad304_07164		BC001887	7692	ZNF133	1 synonymous error	hORFeome V8.1 Collection	7692	ZNF133	NM_001083330.1; NM_003434.4	Full Length 99-100% match
ccsbBroadEn_07165	ccsbBroad304_07165		BC026902,BC029812	7704	ZBTB16	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7704	ZBTB16	NM_006006.4; NM_001018011.1	Full Length 99-100% match
ccsbBroadEn_07166	ccsbBroad304_07166		BC110500	7705	ZNF146	no errors	hORFeome V8.1 Collection	7705	ZNF146	NM_001099639.1; NM_007145.2; NM_001099638.1	Full Length 99-100% match
ccsbBroadEn_07167	ccsbBroad304_07167		BC126377,BC130381	7711	ZNF155	no errors	hORFeome V8.1 Collection	7711	ZNF155	NM_003445.2; NM_198089.1	Full Length 99-100% match
ccsbBroadEn_07168	ccsbBroad304_07168		BC026092	7718	ZNF165	no errors	hORFeome V8.1 Collection	7718	ZNF165	NM_003447.3	Full Length 99-100% match
ccsbBroadEn_07169	ccsbBroad304_07169		BC000876,BC001161	7727	ZNF174	no errors	hORFeome V8.1 Collection	7727	ZNF174	NM_001032292.2	Full Length 99-100% match
ccsbBroadEn_07170	ccsbBroad304_07170		BC022992	7738	ZNF184	no errors	hORFeome V8.1 Collection	7738	ZNF184	NM_007149.2	Full Length 99-100% match
ccsbBroadEn_07171	ccsbBroad304_07171		BC096283	7745	ZNF192	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7745	ZNF192	NM_006298.2	Full Length 99-100% match
ccsbBroadEn_07172	ccsbBroad304_07172		BC121029	7748	ZNF195	no errors	hORFeome V8.1 Collection	7748	ZNF195	NM_001130519.1	Full Length 99-100% match



ccsbBroadEn_07173	ccsbBroad304_07173		BC013382	7753	ZNF202	no errors	hORFeome V8.1 Collection	7753	ZNF202	NM_003455.2	Full Length 99-100% match
ccsbBroadEn_07174	ccsbBroad304_07174	454	BC136772	7761	ZNF214	no errors	hORFeome V8.1 Collection	7761	ZNF214	NM_013249.2	Full Length 99-100% match
ccsbBroadEn_07175	ccsbBroad304_07175		BC011018,BC027707	7763	ZFAND5	no errors	hORFeome V8.1 Collection	7763	ZFAND5	NM_006007.2; NM_001102420.1; NM_001102421.1	Full Length 99-100% match
ccsbBroadEn_07176	ccsbBroad304_07176		BC022466	7766	ZNF223	no errors	hORFeome V8.1 Collection	7766	ZNF223	NM_013361.4	Full Length 99-100% match
ccsbBroadEn_07177	ccsbBroad304_07177		BC051902	7767	ZNF224	no errors	hORFeome V8.1 Collection	7767	ZNF224	NM_013398.2	Full Length 99-100% match
ccsbBroadEn_07178	ccsbBroad304_07178		BC117223	7771	ZFP112	no errors	hORFeome V8.1 Collection	7771	ZFP112	NM_013380.3	Full Length 99-100% match
ccsbBroadEn_07179	ccsbBroad304_07179		BC096304	7783	ZP2	no errors	hORFeome V8.1 Collection	7783	ZP2	NM_003460.1	Full Length 99-100% match
ccsbBroadEn_07180	ccsbBroad304_07180		BC106896	7805	LAPTM5	no errors	hORFeome V8.1 Collection	7805	LAPTM5	NM_006762.2	Full Length 99-100% match
ccsbBroadEn_07181	ccsbBroad304_07181	454	BC028337	7841	MOGS	no errors	hORFeome V8.1 Collection	7841	MOGS	NM_006302.2	Full Length 99-100% match
ccsbBroadEn_07182	ccsbBroad304_07182		BC022509	7857	SCG2	no errors	hORFeome V8.1 Collection	7857	SCG2	NM_003469.4	Full Length 99-100% match
ccsbBroadEn_07183	ccsbBroad304_07183	454	BC053851	7862	BRPF1	3 synonymous errors	hORFeome V8.1 Mutant Subcollection	7862	BRPF1	NM_001003694.1	Full Length 99-100% match
ccsbBroadEn_07184	ccsbBroad304_07184		BC113588,BC113590	7873	MANF	no errors	hORFeome V8.1 Collection	7873	MANF	NM_006010.4	Full Length 99-100% match
ccsbBroadEn_07185	ccsbBroad304_07185		BC043166	7881	KCNAB1	no errors	hORFeome V8.1 Collection	7881	KCNAB1	NM_172159.3	Full Length 99-100% match
ccsbBroadEn_07186	ccsbBroad304_07186		BC027866	7903	ST8SIA4	no errors	hORFeome V8.1 Collection	7903	ST8SIA4	NM_175052.1	Full Length 99-100% match
ccsbBroadEn_07187	ccsbBroad304_07187			7919	BAT1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7919	BAT1	NM_080598.4; NM_004640.5	Full Length 99-100% match
ccsbBroadEn_07188	ccsbBroad304_07188		BC031839	7920	ABHD16A	no errors	hORFeome V8.1 Collection	7920	ABHD16A	NM_021160.2	Full Length 99-100% match
ccsbBroadEn_07189	ccsbBroad304_07189		BC038452	7941	PLA2G7	no errors	hORFeome V8.1 Collection	7941	PLA2G7	NM_005084.3; NM_001168357.1	Full Length 99-100% match
ccsbBroadEn_07190	ccsbBroad304_07190		BC002853,BC010156	7965	AIMP2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7965	AIMP2	NM_006303.3	Full Length 99-100% match
ccsbBroadEn_07191	ccsbBroad304_07191		BC000965	7978	MTERF	no errors	hORFeome V8.1 Collection	7978	MTERF	NM_006980.3	Full Length 99-100% match
ccsbBroadEn_07192	ccsbBroad304_07192		BC130389,BC130391	7978	MTERF	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	7978	MTERF	NM_006980.3	Full Length 99-100% match
ccsbBroadEn_07193	ccsbBroad304_07193		BC075855	7982	ST7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7982	ST7	NM_021908.2	Full Length 99-100% match
ccsbBroadEn_07194	ccsbBroad304_07194		BC036086	8001	GLRA3	no errors	hORFeome V8.1 Collection	8001	GLRA3	NM_006529.2	Full Length 99-100% match
ccsbBroadEn_07195	ccsbBroad304_07195	454	BC064391	8030	CCDC6	no errors	hORFeome V8.1 Collection	8030	CCDC6	NM_005436.4 NM_003476.3; NM_001127656.1	Full Length 99-100% match
ccsbBroadEn_07196	ccsbBroad304_07196		BC005900	8048	CSRP3	no errors	hORFeome V8.1 Collection	8048	CSRP3	NM_003477.2	Full Length 99-100% match
ccsbBroadEn_07197	ccsbBroad304_07197		BC010389	8050	PDHX	no errors	hORFeome V8.1 Collection	8050	PDHX	NM_003478.3	Full Length 99-100% match
ccsbBroadEn_07198	ccsbBroad304_07198		BC063306	8065	CUL5	no errors	hORFeome V8.1 Collection	8065	CUL5	NM_003481.2	Full Length 99-100% match
ccsbBroadEn_07199	ccsbBroad304_07199		BC004889	8078	USP5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8078	USP5	NM_015665.5	Full Length 99-100% match
ccsbBroadEn_07200	ccsbBroad304_07200		BC000659	8086	AAAS	no errors	hORFeome V8.1 Collection	8086	AAAS	NM_006982.2	Full Length 99-100% match
ccsbBroadEn_07201	ccsbBroad304_07201		BC010923	8092	ALX1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8092	ALX1	NM_012074.3	Full Length 99-100% match
ccsbBroadEn_07202	Failed LR reaction		BC060801	8110	DPF3	no errors	hORFeome V8.1 Collection	8110	DPF3	NM_006011.3	Full Length 99-100% match
ccsbBroadEn_07203	ccsbBroad304_07203		BC096202	8128	ST8SIA2	no errors	hORFeome V8.1 Collection	8128	ST8SIA2	NM_139215.1	Full Length 99-100% match
ccsbBroadEn_07204	ccsbBroad304_07204	454	BC046099	8148	TAF15	no errors	hORFeome V8.1 Collection	8148	TAF15	NM_004645.2	Full Length 99-100% match
ccsbBroadEn_07205	Failed LR reaction		BC010385	8161	COIL	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8161	COIL	NM_007163.3	Full Length 99-100% match
ccsbBroadEn_07206	ccsbBroad304_07206	454	BC110446	8170	SLC14A2	no errors	hORFeome V8.1 Collection	8170	SLC14A2	NM_000557.2	Full Length 99-100% match
ccsbBroadEn_07207	ccsbBroad304_07207		BC032495	8200	GDF5	no errors	hORFeome V8.1 Collection	8200	GDF5	NM_003489.3	Full Length 99-100% match
ccsbBroadEn_07208	ccsbBroad304_07208		BC040361	8204	NRIP1	no errors	hORFeome V8.1 Collection	8204	NRIP1	NM_005088.2	Full Length 99-100% match
ccsbBroadEn_07209	ccsbBroad304_07209		BC110496	8227	AKAP17A	no errors	hORFeome V8.1 Collection	8227	AKAP17A	NM_004650.2; NM_001142389.1	Full Length 99-100% match
ccsbBroadEn_07210	ccsbBroad304_07210		BC020746	8228	PNPLA4	no errors	hORFeome V8.1 Collection	8228	PNPLA4	NM_005089.3	Full Length 99-100% match
ccsbBroadEn_07211	ccsbBroad304_07211	454	BC050451	8233	ZRSR2	no errors	hORFeome V8.1 Collection	8233	ZRSR2	NM_152856.1	Full Length 99-100% match
ccsbBroadEn_07212	ccsbBroad304_07212		BC003089	8241	RBM10	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	8241	RBM10	NM_012253.3	Full Length 99-100% match
ccsbBroadEn_07213	ccsbBroad304_07213		BC025382	8277	TKTL1	no errors	hORFeome V8.1 Collection	8277	TKTL1	NM_003493.2	Full Length 99-100% match
ccsbBroadEn_07214	ccsbBroad304_07214	454	BC069079	8290	HIST3H3	no errors	hORFeome V8.1 Collection	8290	HIST3H3	NM_005677.3	Full Length 99-100% match
ccsbBroadEn_07215	ccsbBroad304_07215	454	BC074828	8292	COLQ	1 synonymous error	hORFeome V8.1 Collection	8292	COLQ	NM_003495.2	Full Length 99-100% match
ccsbBroadEn_07216	ccsbBroad304_07216		BC066250	8294	HIST1H4I	no errors	hORFeome V8.1 Collection	8294	HIST1H4I	NM_004655.3	Full Length 99-100% match
ccsbBroadEn_07217	ccsbBroad304_07217	454	BC101533	8313	AXIN2	no errors	hORFeome V8.1 Collection	8313	AXIN2	NM_004656.2	Full Length 99-100% match
ccsbBroadEn_07218	ccsbBroad304_07218		BC001596	8314	BAP1	no errors	hORFeome V8.1 Collection	8314	BAP1	NM_003503.3; NM_001134419.1; NM_001134420.1	Full Length 99-100% match
ccsbBroadEn_07219	ccsbBroad304_07219		BC110527	8317	CDC7	no errors	hORFeome V8.1 Collection	8317	CDC7	NM_003504.3	Full Length 99-100% match
ccsbBroadEn_07220	ccsbBroad304_07220		BC006232,BC010022	8318	CDC45	1 synonymous error	hORFeome V8.1 Collection	8318	CDC45	NM_003506.3; NM_001164615.1	Full Length 99-100% match
ccsbBroadEn_07221	ccsbBroad304_07221	454	BC060836	8323	FZD6	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8323	FZD6	NM_021066.2	Full Length 99-100% match
ccsbBroadEn_07222	ccsbBroad304_07222		BC066234	8331	HIST1H2AJ	no errors	hORFeome V8.1 Collection	8331	HIST1H2AJ	NM_003526.2	Full Length 99-100% match
ccsbBroadEn_07223	ccsbBroad304_07223		BC009612	8347	HIST1H2BC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8347	HIST1H2BC	NM_003528.2	Full Length 99-100% match
ccsbBroadEn_07224	ccsbBroad304_07224		BC096121	8349	HIST2H2BE	no errors	hORFeome V8.1 Collection	8349	HIST2H2BE	NM_003533.2	Full Length 99-100% match
ccsbBroadEn_07225	ccsbBroad304_07225	454	BC066884	8354	HIST1H3I	no errors	hORFeome V8.1 Collection	8354	HIST1H3I	NM_003536.2	Full Length 99-100% match
ccsbBroadEn_07226	ccsbBroad304_07226		BC096128	8357	HIST1H3H	no errors	hORFeome V8.1 Collection	8357	HIST1H3H	NM_003543.3	Full Length 99-100% match
ccsbBroadEn_07227	ccsbBroad304_07227		BC010926	8365	HIST1H4H	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8365	HIST1H4H	NM_003549.2	Full Length 99-100% match
ccsbBroadEn_07228	ccsbBroad304_07228		BC012892	8372	HYAL3	no errors	hORFeome V8.1 Collection	8372	HYAL3	NM_003549.2	Full Length 99-100% match
ccsbBroadEn_07229	ccsbBroad304_07229		BC005896	8372	HYAL3	1 synonymous error	hORFeome V8.1 Collection	8372	HYAL3	NM_014565.2	Full Length 99-100% match
ccsbBroadEn_07230	ccsbBroad304_07230		BC141934	8383	OR1A1	no errors	hORFeome V8.1 Collection	8383	OR1A1	NM_003554.1	Full Length 99-100% match
ccsbBroadEn_07231	ccsbBroad304_07231	454	BC069169	8383	OR1A1	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8383	OR1A1	NM_001135637.1	Full Length 99-100% match
ccsbBroadEn_07232	ccsbBroad304_07232		BC121105	8388	OR1E2	no errors	hORFeome V8.1 Collection	8388	OR1E2	NM_004189.2	Full Length 99-100% match
ccsbBroadEn_07233	ccsbBroad304_07233		BC007833	8394	PIP5K1A	no errors	hORFeome V8.1 Collection	8394	PIP5K1A	NM_003564.1	Full Length 99-100% match
ccsbBroadEn_07234	ccsbBroad304_07234		BC106730	8403	SOX14	no errors	hORFeome V8.1 Collection	8403	SOX14	NM_003564.1	Full Length 99-100% match
ccsbBroadEn_07235	ccsbBroad304_07235		BC009357	8407	TAGLN2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8407	TAGLN2	NM_003986.2	Full Length 99-100% match
ccsbBroadEn_07236	ccsbBroad304_07236		BC002616	8407	TAGLN2	no errors	hORFeome V8.1 Collection	8407	TAGLN2	NM_001032296.2	Full Length 99-100% match
ccsbBroadEn_07237	ccsbBroad304_07237		BC011034	8424	BBOX1	no errors	hORFeome V8.1 Collection	8424	BBOX1	NM_003580.3	Full Length 99-100% match
ccsbBroadEn_07238	ccsbBroad304_07238		BC035578	8428	STK24	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8428	STK24	NM_003621.2	Full Length 99-100% match
ccsbBroadEn_07239	ccsbBroad304_07239	454	BC041124	8439	NSMAF	no errors	hORFeome V8.1 Collection	8439	NSMAF	NM_177444.2	Full Length 99-100% match
ccsbBroadEn_07240	ccsbBroad304_07240		BC015501	8444	DYRK3	no errors	hORFeome V8.1 Collection	8444	DYRK3	NM_015053.1	Full Length 99-100% match
ccsbBroadEn_07241	ccsbBroad304_07241		BC063436	8448	DOC2A	no errors	hORFeome V8.1 Collection	8448	DOC2A	NM_003626.2	Full Length 99-100% match
ccsbBroadEn_07242	Failed LR reaction		BC036216	8450	CUL4B	no errors	hORFeome V8.1 Collection	8450	CUL4B	NM_00114172.1; NM_003629.3	Full Length 99-100% match
ccsbBroadEn_07243	ccsbBroad304_07243		BC039598	8452	CUL3	no errors	hORFeome V8.1 Collection	8452	CUL3	NM_004190.3	Full Length 99-100% match
ccsbBroadEn_07244	ccsbBroad304_07244		BC035633	8477	GPR65	1 synonymous error	hORFeome V8.1 Collection	8477	GPR65	NM_003636.2	Full Length 99-100% match
ccsbBroadEn_07245	ccsbBroad304_07245		BC021714	8495	PPFIBP2	1 synonymous error	hORFeome V8.1 Collection	8495	PPFIBP2	NM_003646.3	Full Length 99-100% match
ccsbBroadEn_07246	ccsbBroad304_07246	454	BC050281	8496	PPFIBP1	no errors	hORFeome V8.1 Collection	8496	PPFIBP1	NM_001082.3	Full Length 99-100% match
ccsbBroadEn_07247	ccsbBroad304_07247	454	BC132923	8497	PPFIA4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8497	PPFIA4	NM_003650.3	Full Length 99-100% match
ccsbBroadEn_07248	ccsbBroad304_07248		BC034046	8500	PPFIA1	no errors	hORFeome V8.1 Collection	8500	PPFIA1	NM_00104448.2	Full Length 99-100% match
ccsbBroadEn_07249	ccsbBroad304_07249		BC021622	8503	PIK3R3	no errors	hORFeome V8.1 Collection	8503	PIK3R3		
ccsbBroadEn_07250	ccsbBroad304_07250		BC112272,BC113711	8513	LIPF	no errors	hORFeome V8.1 Collection	8513	LIPF		
ccsbBroadEn_07251	ccsbBroad304_07251		BC126424,BC130413	8514	KCNAB2	no errors	hORFeome V8.1 Collection	8514	KCNAB2		
ccsbBroadEn_07252	ccsbBroad304_07252	454	BC041770	8525	DGKZ	no errors	hORFeome V8.1 Collection	8525	DGKZ		
ccsbBroadEn_07253	ccsbBroad304_07253	454	BC067437	8529	CYP4F2	no errors	hORFeome V8.1 Collection	8529	CYP4F2		
ccsbBroadEn_07254	ccsbBroad304_07254		BC015507	8530	CST7	no errors	hORFeome V8.1 Collection	8530	CST7		
ccsbBroadEn_07255	ccsbBroad304_07255		BC006393	8532	CPZ	no errors	hORFeome V8.1 Collection	8532	CPZ		



ccsbBroadEn_07256	ccsbBroad304_07256		BC001891	8533	COPS3	no errors	hORFeome V8.1 Collection	8533	COPS3	NM_003653.3	Full Length 99-100% match
ccsbBroadEn_07257	ccsbBroad304_07257		BC126346	8537	BCAS1	no errors	hORFeome V8.1 Collection	8537	BCAS1	NM_003657.2	Full Length 99-100% match
ccsbBroadEn_07258	ccsbBroad304_07258		BC112943,BC141823	8542	APOL1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	8542	APOL1	NM_001136540.1; NM_003661.3	Full Length 99-100% match
ccsbBroadEn_07259	ccsbBroad304_07259		BC003600,BC017673	8543	LMO4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8543	LMO4	NM_006769.3	Full Length 99-100% match
ccsbBroadEn_07260	ccsbBroad304_07260		BC096324	8549	LGR5	no errors	hORFeome V8.1 Collection	8549	LGR5	NM_003667.2	Full Length 99-100% match
ccsbBroadEn_07261	ccsbBroad304_07261		BC013330	8557	TCAP	no errors	hORFeome V8.1 Collection	8557	TCAP	NM_003673.3	Full Length 99-100% match
ccsbBroadEn_07262	ccsbBroad304_07262		BC012628	8557	TCAP	no errors	hORFeome V8.1 Collection	8557	TCAP	NM_003673.3	Full Length 99-100% match
ccsbBroadEn_07263	ccsbBroad304_07263	454	BC000794	8559	PRPF18	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8559	PRPF18	NM_003675.3	Full Length 99-100% match
ccsbBroadEn_07264	ccsbBroad304_07264		BC003615	8563	THOC5	no errors	hORFeome V8.1 Collection	8563	THOC5	NM_001002879.1; NM_001002877.1; NM_003678.4; NM_001002878.1	Full Length 99-100% match
ccsbBroadEn_07265	ccsbBroad304_07265		BC040484	8567	MADD	no errors	hORFeome V8.1 Collection	8567	MADD	NM_001135943.1	Full Length 99-100% match
ccsbBroadEn_07266	ccsbBroad304_07266		BC000380	8568	RRP1	no errors	hORFeome V8.1 Collection	8568	RRP1	NM_003683.5	Full Length 99-100% match
ccsbBroadEn_07267	ccsbBroad304_07267		BC016765	8572	PDLIM4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8572	PDLIM4	NM_003687.3	Full Length 99-100% match
ccsbBroadEn_07268	ccsbBroad304_07268		BC002618	8576	STK16	no errors	hORFeome V8.1 Collection	8576	STK16	NM_001008910.2	Full Length 99-100% match
ccsbBroadEn_07269	ccsbBroad304_07269		BC035056	8577	TMEFF1	no errors	hORFeome V8.1 Collection	8577	TMEFF1	NM_003692.4	Full Length 99-100% match
ccsbBroadEn_07270	ccsbBroad304_07270		BC031330	8581	LY6D	no errors	hORFeome V8.1 Collection	8581	LY6D	NM_003695.2	Full Length 99-100% match
ccsbBroadEn_07271	ccsbBroad304_07271	454	BC074823	8600	TNFSF11	no errors	hORFeome V8.1 Collection	8600	TNFSF11	NM_003701.3	Full Length 99-100% match
ccsbBroadEn_07272	ccsbBroad304_07272		BC009196	8613	PPAP2B	no errors	hORFeome V8.1 Collection	8613	PPAP2B	NM_003713.3	Full Length 99-100% match
ccsbBroadEn_07273	ccsbBroad304_07273		BC002508	8623	ASMTL	no errors	hORFeome V8.1 Collection	8623	ASMTL	NM_004192.3	Full Length 99-100% match
ccsbBroadEn_07274	ccsbBroad304_07274		BC010089	8623	ASMTL	no errors	hORFeome V8.1 Collection	8623	ASMTL	NM_004192.3	Full Length 99-100% match
ccsbBroadEn_07275	ccsbBroad304_07275		BC003619,BC011755	8624	PSMG1	1 synonymous error	hORFeome V8.1 Collection	8624	PSMG1	NM_003720.2	Full Length 99-100% match
ccsbBroadEn_07276	ccsbBroad304_07276	454	BC043351	8629	JRK	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8629	JRK	NM_003724.2	Full Length 99-100% match
ccsbBroadEn_07277	ccsbBroad304_07277		BC012604	8634	RTCD1	no errors	hORFeome V8.1 Collection	8634	RTCD1	NM_001130841.1	Full Length 99-100% match
ccsbBroadEn_07278	ccsbBroad304_07278		BC117408,BC117410	8638	OASL	no errors	hORFeome V8.1 Collection	8638	OASL	NM_003733.2	Full Length 99-100% match
ccsbBroadEn_07279	ccsbBroad304_07279		BC001479	8644	AKR1C3	no errors	hORFeome V8.1 Collection	8644	AKR1C3	NM_003739.4	Full Length 99-100% match
ccsbBroadEn_07280	ccsbBroad304_07280		BC026245	8649	MAPKSP1	no errors	hORFeome V8.1 Collection	8649	MAPKSP1	NM_021970.3	Full Length 99-100% match
ccsbBroadEn_07281	ccsbBroad304_07281		BC007581	8659	ALDH4A1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	8659	ALDH4A1	NM_003748.3; NM_170726.2	Full Length 99-100% match
ccsbBroadEn_07282	ccsbBroad304_07282		BC000490	8665	EIF3F	no errors	hORFeome V8.1 Collection	8665	EIF3F	NM_003754.2	Full Length 99-100% match
ccsbBroadEn_07283	ccsbBroad304_07283		BC008469	8666	EIF3G	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8666	EIF3G	NM_003755.3	Full Length 99-100% match
ccsbBroadEn_07284	Failed LR reaction		BC022554	8682	PEA15	no errors	hORFeome V8.1 Collection	8682	PEA15	NM_003768.3	Full Length 99-100% match
ccsbBroadEn_07285	ccsbBroad304_07285		BC016004	8685	MARCO	no errors	hORFeome V8.1 Collection	8685	MARCO	NM_006770.3	Full Length 99-100% match
ccsbBroadEn_07286	ccsbBroad304_07286		BC131715	8687	KRT38	no errors	hORFeome V8.1 Collection	8687	KRT38	NM_006771.3	Full Length 99-100% match
ccsbBroadEn_07287	ccsbBroad304_07287		BC000692	8692	HYAL2	no errors	hORFeome V8.1 Collection	8692	HYAL2	NM_003773.4; NM_033158.4	Full Length 99-100% match
ccsbBroadEn_07288	ccsbBroad304_07288		BC004523	8702	B4GALT4	1 synonymous error	hORFeome V8.1 Collection	8702	B4GALT4	NM_212543.1; NM_003778.3	Full Length 99-100% match
ccsbBroadEn_07289	ccsbBroad304_07289		BC062618	8702	B4GALT4	no errors	hORFeome V8.1 Collection	8702	B4GALT4	NM_212543.1; NM_003778.3	Full Length 99-100% match
ccsbBroadEn_07290	ccsbBroad304_07290		BC000276	8703	B4GALT3	no errors	hORFeome V8.1 Collection	8703	B4GALT3	NM_003779.2	Full Length 99-100% match
ccsbBroadEn_07291	ccsbBroad304_07291		BC019954	8732	RNGTT	no errors	hORFeome V8.1 Collection	8732	RNGTT	NM_003800.3	Full Length 99-100% match
ccsbBroadEn_07292	ccsbBroad304_07292		BC008042	8741	TNFSF13	no errors	hORFeome V8.1 Collection	8741	TNFSF13	NM_172088.2	Full Length 99-100% match
ccsbBroadEn_07293	ccsbBroad304_07293		BC104420	8742	TNFSF12	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8742	TNFSF12	NM_003809.2	Full Length 99-100% match
ccsbBroadEn_07294	ccsbBroad304_07294		BC032722	8743	TNFSF10	no errors	hORFeome V8.1 Collection	8743	TNFSF10	NM_003810.3	Full Length 99-100% match
ccsbBroadEn_07295	ccsbBroad304_07295		BC002794	8764	TNFRSF14	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	8764	TNFRSF14	NM_003820.2	Full Length 99-100% match
ccsbBroadEn_07296	ccsbBroad304_07296		BC001889	8774	NAPG	no errors	hORFeome V8.1 Collection	8774	NAPG	NM_003826.2	Full Length 99-100% match
ccsbBroadEn_07297	ccsbBroad304_07297		BC029896	8778	SIGLEC5	no errors	hORFeome V8.1 Collection	8778	SIGLEC5	NM_003830.2	Full Length 99-100% match
ccsbBroadEn_07298	ccsbBroad304_07298		BC131763	8785	MATN4	no errors	hORFeome V8.1 Collection	8785	MATN4	NM_003833.3	Full Length 99-100% match
ccsbBroadEn_07299	ccsbBroad304_07299		BC141803	8786	RGS11	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8786	RGS11	NM_183337.1	Full Length 99-100% match
ccsbBroadEn_07300	ccsbBroad304_07300		BC007741,BC014015	8788	DLK1	no errors	hORFeome V8.1 Collection	8788	DLK1	NM_003836.5	Full Length 99-100% match
ccsbBroadEn_07301	ccsbBroad304_07301		BC113632,BC117477	8789	FBP2	no errors	hORFeome V8.1 Collection	8789	FBP2	NM_003837.2	Full Length 99-100% match
ccsbBroadEn_07302	ccsbBroad304_07302		BC032308	8790	FPGT	no errors	hORFeome V8.1 Collection	8790	FPGT	NM_003838.3	Full Length 99-100% match
ccsbBroadEn_07303	ccsbBroad304_07303		BC052270	8793	TNFRSF10D	no errors	hORFeome V8.1 Collection	8793	TNFRSF10D	NM_003840.3	Full Length 99-100% match
ccsbBroadEn_07304	ccsbBroad304_07304		BC001281	8795	TNFRSF10B	no errors	hORFeome V8.1 Collection	8795	TNFRSF10B	NM_003842.4	Full Length 99-100% match
ccsbBroadEn_07305	ccsbBroad304_07305		BC047536	8796	SCEL	no errors	hORFeome V8.1 Collection	8796	SCEL	NM_003843.3	Full Length 99-100% match
ccsbBroadEn_07306	ccsbBroad304_07306		BC012866	8797	TNFRSF10A	no errors	hORFeome V8.1 Collection	8797	TNFRSF10A	NM_003844.3	Full Length 99-100% match
ccsbBroadEn_07307	ccsbBroad304_07307		BC011963	8799	PEX11B	no errors	hORFeome V8.1 Collection	8799	PEX11B	NM_003846.2	Full Length 99-100% match
ccsbBroadEn_07308	ccsbBroad304_07308		BC008466	8813	DPM1	no errors	hORFeome V8.1 Collection	8813	DPM1	NM_003859.1	Full Length 99-100% match
ccsbBroadEn_07309	ccsbBroad304_07309		BC007073,BC016322	8813	DPM1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8813	DPM1	NM_003859.1	Full Length 99-100% match
ccsbBroadEn_07310	ccsbBroad304_07310		BC064379	8839	WISP2	no errors	hORFeome V8.1 Collection	8839	WISP2	NM_003881.2	Full Length 99-100% match
ccsbBroadEn_07311	ccsbBroad304_07311		BC000614	8841	HDAC3	no errors	hORFeome V8.1 Collection	8841	HDAC3	NM_003883.3	Full Length 99-100% match
ccsbBroadEn_07312	ccsbBroad304_07312		BC025787	8846	ALKBH1	no errors	hORFeome V8.1 Collection	8846	ALKBH1	NM_006020.2	Full Length 99-100% match
ccsbBroadEn_07313	ccsbBroad304_07313		BC026347	8851	CDK5R1	no errors	hORFeome V8.1 Collection	8851	CDK5R1	NM_003885.2	Full Length 99-100% match
ccsbBroadEn_07314	ccsbBroad304_07314		BC063308	8853	ASAP2	no errors	hORFeome V8.1 Collection	8853	ASAP2	NM_001135191.1	Full Length 99-100% match
ccsbBroadEn_07315	ccsbBroad304_07315		BC030589	8854	ALDH1A2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8854	ALDH1A2	NM_170696.1	Full Length 99-100% match
ccsbBroadEn_07316	Failed LR reaction	454	BC000844,BC005080	8870	IER3	no errors	hORFeome V8.1 Collection	8870	IER3	NM_003897.3	Full Length 99-100% match
ccsbBroadEn_07317	ccsbBroad304_07317		BC033905	8874	ARHGEF7	no errors	hORFeome V8.1 Collection	8874	ARHGEF7	NM_001113512.1	Full Length 99-100% match
ccsbBroadEn_07318	ccsbBroad304_07318		BC009419	8877	SPHK1	1 synonymous error	hORFeome V8.1 Collection	8877	SPHK1	NM_021972.3	Full Length 99-100% match
ccsbBroadEn_07319	ccsbBroad304_07319		BC030553	8877	SPHK1	no errors	hORFeome V8.1 Collection	8877	SPHK1	NM_182965.2	Full Length 99-100% match
ccsbBroadEn_07320	ccsbBroad304_07320		BC003139,BC019111	8878	SQSTM1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8878	SQSTM1	NM_003900.4	Full Length 99-100% match
ccsbBroadEn_07321	ccsbBroad304_07321		BC001874	8878	SQSTM1	no errors	hORFeome V8.1 Collection	8878	SQSTM1	NM_001142298.1; NM_001142299.1	Full Length 99-100% match
ccsbBroadEn_07322	ccsbBroad304_07322	454	BC052991	8879	SGPL1	no errors	hORFeome V8.1 Collection	8879	SGPL1	NM_003901.3	Full Length 99-100% match
ccsbBroadEn_07323	ccsbBroad304_07323		BC017244	8881	CDC16	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	8881	CDC16	NM_003903.3; NM_001078645.1	Full Length 99-100% match
ccsbBroadEn_07324	ccsbBroad304_07324	454	BC001238,BC024739	8886	DDX18	no errors	hORFeome V8.1 Collection	8886	DDX18	NM_006773.3	Full Length 99-100% match
ccsbBroadEn_07325	ccsbBroad304_07325		BC050358	8887	TAX1BP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8887	TAX1BP1	NM_006024.5	Full Length 99-100% match
ccsbBroadEn_07326	ccsbBroad304_07326		BC000494	8892	EIF2B2	no errors	hORFeome V8.1 Collection	8892	EIF2B2	NM_014239.3	Full Length 99-100% match
ccsbBroadEn_07327	ccsbBroad304_07327		BC000934	8894	EIF2S2	no errors	hORFeome V8.1 Collection	8894	EIF2S2	NM_003908.3	Full Length 99-100% match
ccsbBroadEn_07328	ccsbBroad304_07328	454	BC034969	8899	PRPF4B	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	8899	PRPF4B	NM_003913.4	Full Length 99-100% match
ccsbBroadEn_07329	ccsbBroad304_07329		BC023152	8908	GYG2	no errors	hORFeome V8.1 Collection	8908	GYG2	NM_001079855.1	Full Length 99-100% match
ccsbBroadEn_07330	ccsbBroad304_07330		BC021709	8910	SGCE	no errors	hORFeome V8.1 Collection	8910	SGCE	NM_003919.2	Full Length 99-100% match
ccsbBroadEn_07331	ccsbBroad304_07331		BC002432	8940	TOP3B	no errors	hORFeome V8.1 Collection	8940	TOP3B	NM_003935.3	Full Length 99-100% match
ccsbBroadEn_07332	ccsbBroad304_07332		BC067492	8968	HIST1H3F	no errors	hORFeome V8.1 Collection	8968	HIST1H3F	NM_021018.2	Full Length 99-100% match
ccsbBroadEn_07333	ccsbBroad304_07333		BC096131	8968	HIST1H3F	no errors	hORFeome V8.1 Collection	8968	HIST1H3F	NM_021018.2	Full Length 99-100% match
ccsbBroadEn_07334	ccsbBroad304_07334		BC052955	8976	WASL	1 synonymous error	hORFeome V8.1 Collection	8976	WASL	NM_003941.2	Full Length 99-100% match
ccsbBroadEn_07335	ccsbBroad304_07335		BC117236,BC117238	8994	LIMD1	no errors	hORFeome V8.1 Collection	8994	LIMD1	NM_014240.2	Full Length 99-100% match
ccsbBroadEn_07336	ccsbBroad304_07336		BC028131	9013	TAF1C	no errors	hORFeome V8.1 Collection	9013	TAF1C	NM_139353.1	Full Length 99-100% match
ccsbBroadEn_07337	ccsbBroad304_07337		BC018137	9014	TAF1B	no errors	hORFeome V8.1 Collection	9014	TAF1B	NM_005680.2	Full Length 99-100% match
ccsbBroadEn_07338	ccsbBroad304_07338		BC013808	9015	TAF1A	no errors	hORFeome V8.1 Collection	9015	TAF1A	NM_005681.2	Full Length 99-100% match



ccsbBroadEn_07339	ccsbBroad304_07339		BC072430	9023	CH25H	no errors	hORFeome V8.1 Collection	9023	CH25H	NM_003956.3	Full Length 99-100% match
ccsbBroadEn_07340	ccsbBroad304_07340		BC007517	9025	RNF8	no errors	hORFeome V8.1 Collection	9025	RNF8	NM_003958.3	Full Length 99-100% match
ccsbBroadEn_07341	ccsbBroad304_07341		BC012626	9027	NAT8	no errors	hORFeome V8.1 Collection	9027	NAT8	NM_003960.3	Full Length 99-100% match
ccsbBroadEn_07342	ccsbBroad304_07342		BC069519	9032	TM4SF5	no errors	hORFeome V8.1 Collection	9032	TM4SF5	NM_003963.2	Full Length 99-100% match
ccsbBroadEn_07343	ccsbBroad304_07343		BC025665	9033	PKD2L1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9033	PKD2L1	NM_016112.2	Full Length 99-100% match
ccsbBroadEn_07344	ccsbBroad304_07344		BC025717	9034	CCRL2	no errors	hORFeome V8.1 Collection	9034	CCRL2	NM_003965.4	Full Length 99-100% match
ccsbBroadEn_07345	ccsbBroad304_07345		BC096075	9034	CCRL2	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	9034	CCRL2	NM_003965.4	Full Length 99-100% match
ccsbBroadEn_07346	ccsbBroad304_07346		BC032623	9046	DOK2	no errors	hORFeome V8.1 Collection	9046	DOK2	NM_003974.2	Full Length 99-100% match
ccsbBroadEn_07347	ccsbBroad304_07347		BC012107	9047	SH2D2A	no errors	hORFeome V8.1 Collection	9047	SH2D2A	NM_001161444.1; NM_003975.3	Full Length 99-100% match
ccsbBroadEn_07348	ccsbBroad304_07348		BC008602	9051	PSTPIP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9051	PSTPIP1	NM_003978.3	Full Length 99-100% match
ccsbBroadEn_07349	ccsbBroad304_07349		BC025777	9053	MAP7	no errors	hORFeome V8.1 Collection	9053	MAP7	NM_003980.4	Full Length 99-100% match
ccsbBroadEn_07350	ccsbBroad304_07350		BC003138	9055	PRC1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	9055	PRC1	NM_003981.2	Full Length 99-100% match
ccsbBroadEn_07351	ccsbBroad304_07351		BC003062,BC010107	9056	SLC7A7	no errors	hORFeome V8.1 Collection	9056	SLC7A7	NM_001126105.1; NM_003982.3; NM_001126106.1	Full Length 99-100% match
ccsbBroadEn_07352	ccsbBroad304_07352		BC050627	9061	PAPSS1	no errors	hORFeome V8.1 Collection	9061	PAPSS1	NM_005443.4	Full Length 99-100% match
ccsbBroadEn_07353	ccsbBroad304_07353		BC015190	9063	PIAS2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9063	PIAS2	NM_173206.2	Full Length 99-100% match
ccsbBroadEn_07354	ccsbBroad304_07354		BC015936	9070	ASH2L	no errors	hORFeome V8.1 Collection	9070	ASH2L	NM_001105214.1	Full Length 99-100% match
ccsbBroadEn_07355	ccsbBroad304_07355	454	BC008934	9074	CLDN6	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9074	CLDN6	NM_021195.4	Full Length 99-100% match
ccsbBroadEn_07356	ccsbBroad304_07356	454	BC065830	9080	CLDN9	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9080	CLDN9	NM_020982.3	Full Length 99-100% match
ccsbBroadEn_07357	ccsbBroad304_07357		BC006377	9091	PIGQ	no errors	hORFeome V8.1 Collection	9091	PIGQ	NM_148920.1	Full Length 99-100% match
ccsbBroadEn_07358	ccsbBroad304_07358		BC011855	9093	DNAJA3	no errors	hORFeome V8.1 Collection	9093	DNAJA3	NM_005147.4	Full Length 99-100% match
ccsbBroadEn_07359	ccsbBroad304_07359		BC132715	9096	TBX18	no errors	hORFeome V8.1 Collection	9096	TBX18	NM_001080508.1	Full Length 99-100% match
ccsbBroadEn_07360	ccsbBroad304_07360		BC000263	9100	USP10	no errors	hORFeome V8.1 Collection	9100	USP10	NM_005153.2	Full Length 99-100% match
ccsbBroadEn_07361	ccsbBroad304_07361		BC130579	9108	MTMR7	no errors	hORFeome V8.1 Collection	9108	MTMR7	NM_004686.4	Full Length 99-100% match
ccsbBroadEn_07362	ccsbBroad304_07362		BC021987	9111	NMI	no errors	hORFeome V8.1 Collection	9111	NMI	NM_004688.2	Full Length 99-100% match
ccsbBroadEn_07363	ccsbBroad304_07363	454	BC111065	9131	AIFM1	1 synonymous error	hORFeome V8.1 Collection	9131	AIFM1	NM_145812.2	Full Length 99-100% match
ccsbBroadEn_07364	ccsbBroad304_07364	454	BC041700	9135	RABEP1	no errors	hORFeome V8.1 Collection	9135	RABEP1	NM_004703.4	Full Length 99-100% match
ccsbBroadEn_07365	ccsbBroad304_07365		BC000731	9145	SYNGR1	1 synonymous error	hORFeome V8.1 Collection	9145	SYNGR1	NM_145731.3	Full Length 99-100% match
ccsbBroadEn_07366	ccsbBroad304_07366		BC096319	9152	SLC6A5	no errors	hORFeome V8.1 Collection	9152	SLC6A5	NM_004211.3	Full Length 99-100% match
ccsbBroadEn_07367	ccsbBroad304_07367	454	BC093737	9153	SLC28A2	no errors	hORFeome V8.1 Collection	9153	SLC28A2	NM_004212.3	Full Length 99-100% match
ccsbBroadEn_07368	ccsbBroad304_07368		BC126204,BC126206	9154	SLC28A1	no errors	hORFeome V8.1 Collection	9154	SLC28A1	NM_004213.3	Full Length 99-100% match
ccsbBroadEn_07369	ccsbBroad304_07369		BC005249	9166	EBAG9	no errors	hORFeome V8.1 Collection	9166	EBAG9	NM_004215.3; NM_198120.1	Full Length 99-100% match
ccsbBroadEn_07370	ccsbBroad304_07370		BC016025	9168	TMSB10	no errors	hORFeome V8.1 Collection	9168	TMSB10	NM_021103.3	Full Length 99-100% match
ccsbBroadEn_07371	ccsbBroad304_07371		BC022438	9184	BUB3	no errors	hORFeome V8.1 Collection	9184	BUB3	NM_004725.3	Full Length 99-100% match
ccsbBroadEn_07372	ccsbBroad304_07372		BC015030	9189	ZBED1	no errors	hORFeome V8.1 Collection	9189	ZBED1	NM_004729.3; NM_001171136.1	Full Length 99-100% match
ccsbBroadEn_07373	ccsbBroad304_07373		BC030693	9194	SLC16A7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9194	SLC16A7	NM_004731.3	Full Length 99-100% match
ccsbBroadEn_07374	ccsbBroad304_07374		BC010353	9200	PTPLA	no errors	hORFeome V8.1 Collection	9200	PTPLA	NM_014241.3	Full Length 99-100% match
ccsbBroadEn_07375	ccsbBroad304_07375		BC007048	9205	ZMYM5	no errors	hORFeome V8.1 Collection	9205	ZMYM5	NM_001039649.2	Full Length 99-100% match
ccsbBroadEn_07376	ccsbBroad304_07376		BC108914	9208	LRRFIP1	no errors	hORFeome V8.1 Collection	9208	LRRFIP1	NM_001137552.1	Full Length 99-100% match
ccsbBroadEn_07377	ccsbBroad304_07377		BC006401	9214	FAIM3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9214	FAIM3	NM_005449.4	Full Length 99-100% match
ccsbBroadEn_07378	ccsbBroad304_07378		BC110081	9230	RAB11B	no errors	hORFeome V8.1 Collection	9230	RAB11B	NM_004218.3	Full Length 99-100% match
ccsbBroadEn_07379	ccsbBroad304_07379		BC002730	9249	DHR33	no errors	hORFeome V8.1 Collection	9249	DHR33	NM_004753.4	Full Length 99-100% match
ccsbBroadEn_07380	ccsbBroad304_07380	454	BC146852	9256	BZRAP1	no errors	hORFeome V8.1 Collection	9256	BZRAP1	NM_004758.2	Full Length 99-100% match
ccsbBroadEn_07381	ccsbBroad304_07381	454	BC052584	9261	MAPKAPK2	no errors	hORFeome V8.1 Collection	9261	MAPKAPK2	NM_032960.2	Full Length 99-100% match
ccsbBroadEn_07382	ccsbBroad304_07382		BC016040	9262	STK17B	no errors	hORFeome V8.1 Collection	9262	STK17B	NM_004226.3	Full Length 99-100% match
ccsbBroadEn_07383	ccsbBroad304_07383	454	BC023508,BC047696	9263	STK17A	no errors	hORFeome V8.1 Collection	9263	STK17A	NM_004760.2	Full Length 99-100% match
ccsbBroadEn_07384	ccsbBroad304_07384		BC028581	9271	PIWIL1	no errors	hORFeome V8.1 Collection	9271	PIWIL1	NM_004764.4	Full Length 99-100% match
ccsbBroadEn_07385	ccsbBroad304_07385		BC000388	9277	WDR46	no errors	hORFeome V8.1 Collection	9277	WDR46	NM_005452.5	Full Length 99-100% match
ccsbBroadEn_07386	ccsbBroad304_07386		BC008770	9289	GPR56	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9289	GPR56	NM_001145771.1; NM_005682.5	Full Length 99-100% match
ccsbBroadEn_07387	ccsbBroad304_07387		BC067457	9293	GPR52	no errors	hORFeome V8.1 Collection	9293	GPR52	NM_005684.4	Full Length 99-100% match
ccsbBroadEn_07388	ccsbBroad304_07388		BC012448	9325	TRIP4	no errors	hORFeome V8.1 Collection	9325	TRIP4	NM_016213.4	Full Length 99-100% match
ccsbBroadEn_07389	ccsbBroad304_07389		BC011355,BC017337	9328	GTF3C5	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	9328	GTF3C5	NM_012087.3	Full Length 99-100% match
ccsbBroadEn_07390	ccsbBroad304_07390	454	BC104755	9329	GTF3C4	no errors	hORFeome V8.1 Collection	9329	GTF3C4	NM_012204.2	Full Length 99-100% match
ccsbBroadEn_07391	ccsbBroad304_07391	454	BC043347	9330	GTF3C3	no errors	hORFeome V8.1 Collection	9330	GTF3C3	NM_012086.2	Full Length 99-100% match
ccsbBroadEn_07392	ccsbBroad304_07392		BC122859	9333	TGM5	no errors	hORFeome V8.1 Collection	9333	TGM5	NM_201631.3	Full Length 99-100% match
ccsbBroadEn_07393	ccsbBroad304_07393		BC096262	9340	GLP2R	no errors	hORFeome V8.1 Collection	9340	GLP2R	NM_004246.1	Full Length 99-100% match
ccsbBroadEn_07394	ccsbBroad304_07394		BC009715	9342	SNAP29	no errors	hORFeome V8.1 Collection	9342	SNAP29	NM_004782.3	Full Length 99-100% match
ccsbBroadEn_07395	ccsbBroad304_07395		BC002360	9343	EFTUD2	no errors	hORFeome V8.1 Collection	9343	EFTUD2	NM_004247.3	Full Length 99-100% match
ccsbBroadEn_07396	ccsbBroad304_07396		BC109309	9348	NDST3	no errors	hORFeome V8.1 Collection	9348	NDST3	NM_004784.2	Full Length 99-100% match
ccsbBroadEn_07397	ccsbBroad304_07397		BC062716	9349	RPL23	no errors	hORFeome V8.1 Collection	9349	RPL23	NM_000978.3	Full Length 99-100% match
ccsbBroadEn_07398	ccsbBroad304_07398		BC069491	9350	CER1	no errors	hORFeome V8.1 Collection	9350	CER1	NM_005454.2	Full Length 99-100% match
ccsbBroadEn_07399	ccsbBroad304_07399		BC103976	9350	CER1	no errors	hORFeome V8.1 Collection	9350	CER1	NM_005454.2	Full Length 99-100% match
ccsbBroadEn_07400	ccsbBroad304_07400		BC014513,BC106001	9351	SLC9A3R2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9351	SLC9A3R2	NM_001130012.1	Full Length 99-100% match
ccsbBroadEn_07401	ccsbBroad304_07401		BC001156	9352	TXNL1	no errors	hORFeome V8.1 Collection	9352	TXNL1	NM_004786.2	Full Length 99-100% match
ccsbBroadEn_07402	ccsbBroad304_07402		BC035054	9364	RAB28	no errors	hORFeome V8.1 Collection	9364	RAB28	NM_001017979.2	Full Length 99-100% match
ccsbBroadEn_07403	ccsbBroad304_07403		BC059368	9369	NRXN3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9369	NRXN3	NM_138970.3	Full Length 99-100% match
ccsbBroadEn_07404	ccsbBroad304_07404		BC032551	9373	PLAA	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9373	PLAA	NM_001031689.2	Full Length 99-100% match
ccsbBroadEn_07405	ccsbBroad304_07405		BC060825	9388	LIPG	no errors	hORFeome V8.1 Collection	9388	LIPG	NM_006033.2	Full Length 99-100% match
ccsbBroadEn_07406	ccsbBroad304_07406		BC126482	9389	SLC22A14	no errors	hORFeome V8.1 Collection	9389	SLC22A14	NM_004803.3	Full Length 99-100% match
ccsbBroadEn_07407	ccsbBroad304_07407		BC130543	9389	SLC22A14	no errors	hORFeome V8.1 Collection	9389	SLC22A14	NM_004803.3	Full Length 99-100% match
ccsbBroadEn_07408	ccsbBroad304_07408		BC020548	9392	TGFBRAP1	1 synonymous error	hORFeome V8.1 Collection	9392	TGFBRAP1	NM_004257.4; NM_001142621.1	Full Length 99-100% match
ccsbBroadEn_07409	ccsbBroad304_07409	454	BC096239	9394	HS6ST1	no errors	hORFeome V8.1 Collection	9394	HS6ST1	NM_004807.2	Full Length 99-100% match
ccsbBroadEn_07410	ccsbBroad304_07410		BC006376	9397	NMT2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9397	NMT2	NM_004808.2	Full Length 99-100% match
ccsbBroadEn_07411	ccsbBroad304_07411		BC019035	9404	LPXN	no errors	hORFeome V8.1 Collection	9404	LPXN	NM_004811.2	Full Length 99-100% match
ccsbBroadEn_07412	ccsbBroad304_07412		BC039814	9406	ZRANB2	no errors	hORFeome V8.1 Collection	9406	ZRANB2	NM_005455.4	Full Length 99-100% match
ccsbBroadEn_07413	ccsbBroad304_07413		BC004356	9409	PEX16	no errors	hORFeome V8.1 Collection	9409	PEX16	NM_004813.2	Full Length 99-100% match
ccsbBroadEn_07414	ccsbBroad304_07414		BC115411	9422	ZNF264	no errors	hORFeome V8.1 Collection	9422	ZNF264	NM_003417.4	Full Length 99-100% match
ccsbBroadEn_07415	ccsbBroad304_07415	454	BC050453	9427	ECEL1	no errors	hORFeome V8.1 Collection	9427	ECEL1	NM_004826.2	Full Length 99-100% match
ccsbBroadEn_07416	ccsbBroad304_07416		BC021101	9440	MED17	no errors	hORFeome V8.1 Collection	9440	MED17	NM_004268.4	Full Length 99-100% match
ccsbBroadEn_07417	ccsbBroad304_07417		BC000554	9445	ITM2B	no errors	hORFeome V8.1 Collection	9445	ITM2B	NM_021999.4	Full Length 99-100% match
ccsbBroadEn_07418	ccsbBroad304_07418		BC016148	9445	ITM2B	no errors	hORFeome V8.1 Collection	9445	ITM2B	NM_021999.4	Full Length 99-100% match
ccsbBroadEn_07419	ccsbBroad304_07419		BC012113	9454	HOMER3	no errors	hORFeome V8.1 Collection	9454	HOMER3	NM_004838.3; NM_001145722.1	Full Length 99-100% match
ccsbBroadEn_07420	ccsbBroad304_07420		BC021723,BC029490	9457	FHL5	no errors	hORFeome V8.1 Collection	9457	FHL5	NM_020482.4; NM_001170807.1	Full Length 99-100% match
ccsbBroadEn_07421	ccsbBroad304_07421	454	BC045634	9468	PCYT1B	no errors	hORFeome V8.1 Collection	9468	PCYT1B	NM_001163264.1	Full Length 99-100% match



ccsbBroadEn_07422	ccsbBroad304_07422		BC005392,BC021690	9470	EIF4E2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9470	EIF4E2	NM_004846.2	Full Length 99-100% match
ccsbBroadEn_07423	ccsbBroad304_07423		BC017842	9476	NAPSA	no errors	hORFeome V8.1 Collection	9476	NAPSA	NM_004851.1	Full Length 99-100% match
ccsbBroadEn_07424	ccsbBroad304_07424	454	BC068470	9479	MAPK8IP1	no errors	hORFeome V8.1 Collection	9479	MAPK8IP1	NM_005456.2	Full Length 99-100% match
ccsbBroadEn_07425	ccsbBroad304_07425		BC009713	9482	STX8	no errors	hORFeome V8.1 Collection	9482	STX8	NM_004853.2	Full Length 99-100% match
ccsbBroadEn_07426	ccsbBroad304_07426		BC010441	9486	CHST10	no errors	hORFeome V8.1 Collection	9486	CHST10	NM_004854.3	Full Length 99-100% match
ccsbBroadEn_07427	ccsbBroad304_07427	454	BC017711	9488	PIGB	no errors	hORFeome V8.1 Collection	9488	PIGB	NM_004855.4	Full Length 99-100% match
ccsbBroadEn_07428	ccsbBroad304_07428		BC126462	9491	PSMF1	no errors	hORFeome V8.1 Collection	9491	PSMF1	NM_178578.2;	Full Length 99-100% match
ccsbBroadEn_07429	ccsbBroad304_07429		BC131516	9495	AKAP5	no errors	hORFeome V8.1 Collection	9495	AKAP5	NM_004857.3	Full Length 99-100% match
ccsbBroadEn_07430	ccsbBroad304_07430	454	BC136403	9496	TBX4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9496	TBX4	NM_018488.2	Full Length 99-100% match
ccsbBroadEn_07431	ccsbBroad304_07431	454	BC005153	9501	RPH3AL	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	9501	RPH3AL	NM_001190413.1;	Full Length 99-100% match
ccsbBroadEn_07432	ccsbBroad304_07432		BC009232	9502	XAGE2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	9502; 728242	XAGE2; XAGE2B	NM_130777.1;	Full Length 99-100% match
ccsbBroadEn_07433	ccsbBroad304_07433		BC036515	9510	ADAMTS1	no errors	hORFeome V8.1 Collection	9510	ADAMTS1	NM_006988.3	Full Length 99-100% match
ccsbBroadEn_07434	ccsbBroad304_07434		BC051907	9513	FXR2	no errors	hORFeome V8.1 Collection	9513	FXR2	NM_004860.3	Full Length 99-100% match
ccsbBroadEn_07435	ccsbBroad304_07435		BC014649,BC019077	9514	GAL3ST1	no errors	hORFeome V8.1 Collection	9514	GAL3ST1	NM_004861.1	Full Length 99-100% match
ccsbBroadEn_07436	ccsbBroad304_07436		BC005123	9517	SPTLC2	no errors	hORFeome V8.1 Collection	9517	SPTLC2	NM_004863.2	Full Length 99-100% match
ccsbBroadEn_07437	ccsbBroad304_07437		BC000381	9519	TBPL1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	9519	TBPL1	NM_004865.2	Full Length 99-100% match
ccsbBroadEn_07438	ccsbBroad304_07438		BC001898	9526	MPDU1	no errors	hORFeome V8.1 Collection	9526	MPDU1	NM_004870.3	Full Length 99-100% match
ccsbBroadEn_07439	ccsbBroad304_07439		BC050551	9529	BAG5	no errors	hORFeome V8.1 Collection	9529	BAG5	NM_001015048.2;	Full Length 99-100% match
ccsbBroadEn_07440	ccsbBroad304_07440	454	BC038505	9530	BAG4	no errors	hORFeome V8.1 Collection	9530	BAG4	NM_004873.3	Full Length 99-100% match
ccsbBroadEn_07441	ccsbBroad304_07441		BC042054	9543	IGDCC3	no errors	hORFeome V8.1 Collection	9543	IGDCC3	NM_004884.3	Full Length 99-100% match
ccsbBroadEn_07442	ccsbBroad304_07442		BC016471	9545	RAB3D	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9545	RAB3D	NM_004283.3	Full Length 99-100% match
ccsbBroadEn_07443	ccsbBroad304_07443		BC008452	9550	ATP6V1G1	1 synonomous error	hORFeome V8.1 Collection	9550	ATP6V1G1	NM_004888.3	Full Length 99-100% match
ccsbBroadEn_07444	ccsbBroad304_07444		BC001364	9554	SEC22B	no errors	hORFeome V8.1 Collection	9554	SEC22B	NM_004892.4	Full Length 99-100% match
ccsbBroadEn_07445	ccsbBroad304_07445		BC013331	9555	H2AFY	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9555	H2AFY	NM_138610.2	Full Length 99-100% match
ccsbBroadEn_07446	ccsbBroad304_07446		BC030959	9573	GDF3	no errors	hORFeome V8.1 Collection	9573	GDF3	NM_020634.1	Full Length 99-100% match
ccsbBroadEn_07447	ccsbBroad304_07447		CCSB53393	9581	PREPL	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9581	PREPL	NM_001171603.1;	Full Length 99-100% match
ccsbBroadEn_07448	ccsbBroad304_07448	454	BC068455	9603	NFE2L3	no errors	hORFeome V8.1 Collection	9603	NFE2L3	NM_006036.4;	Full Length 99-100% match
ccsbBroadEn_07449	ccsbBroad304_07449		BC014417	9610	RIN1	no errors	hORFeome V8.1 Collection	9610	RIN1	NM_004289.6	Full Length 99-100% match
ccsbBroadEn_07450	ccsbBroad304_07450		BC005966	9616	RNF7	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9616	RNF7	NM_004292.2	Full Length 99-100% match
ccsbBroadEn_07451	ccsbBroad304_07451		BC069429	9622	KLK4	no errors	hORFeome V8.1 Collection	9622	KLK4	NM_014245.3	Full Length 99-100% match
ccsbBroadEn_07452	ccsbBroad304_07452	454	BC051000	9623	TCL1B	no errors	hORFeome V8.1 Collection	9623	TCL1B	NM_004917.3	Full Length 99-100% match
ccsbBroadEn_07453	ccsbBroad304_07453		BC103993	9626	GUCA1C	no errors	hORFeome V8.1 Collection	9626	GUCA1C	NM_004918.2;	Full Length 99-100% match
ccsbBroadEn_07454	ccsbBroad304_07454		BC039257	9631	NUP155	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	9631	NUP155	NM_199206.2	Full Length 99-100% match
ccsbBroadEn_07455	ccsbBroad304_07455		BC009507	9636	ISG15	no errors	hORFeome V8.1 Collection	9636	ISG15	NM_005459.3	Full Length 99-100% match
ccsbBroadEn_07456	ccsbBroad304_07456		BC044577	9645	MICAL2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9645	MICAL2	NM_153485.1	Full Length 99-100% match
ccsbBroadEn_07457	ccsbBroad304_07457		BC036116	9650	MTFR1	no errors	hORFeome V8.1 Collection	9650	MTFR1	NM_005101.3	Full Length 99-100% match
ccsbBroadEn_07458	ccsbBroad304_07458	454	BC021707	9654	TTL4	1 synonomous error	hORFeome V8.1 Collection	9654	TTL4	NM_014632.2	Full Length 99-100% match
ccsbBroadEn_07459	ccsbBroad304_07459		BC032862	9655	SOCS5	no errors	hORFeome V8.1 Collection	9655	SOCS5	NM_014637.3	Full Length 99-100% match
ccsbBroadEn_07460	ccsbBroad304_07460	454	BC005806	9657	IQCB1	no errors	hORFeome V8.1 Collection	9657	IQCB1	NM_014640.4	Full Length 99-100% match
ccsbBroadEn_07461	ccsbBroad304_07461		BC025406	9659	PDE4DIP	no errors	hORFeome V8.1 Collection	9659	PDE4DIP	NM_014011.4;	Full Length 99-100% match
ccsbBroadEn_07462	ccsbBroad304_07462		BC078660	9659	PDE4DIP	no errors	hORFeome V8.1 Collection	9659	PDE4DIP	NM_144949.2	Full Length 99-100% match
ccsbBroadEn_07463	ccsbBroad304_07463		BC032639	9669	EIF5B	no errors	hORFeome V8.1 Collection	9669	EIF5B	NM_001023571.2	Full Length 99-100% match
ccsbBroadEn_07464	ccsbBroad304_07464	454	BC152414	9678	PHF14	1 synonomous error	hORFeome V8.1 Collection	9678	PHF14	NM_022359.5	Full Length 99-100% match
ccsbBroadEn_07465	ccsbBroad304_07465		BC011377	9684	LRRC14	no errors	hORFeome V8.1 Collection	9684	LRRC14	NM_001002811.1	Full Length 99-100% match
ccsbBroadEn_07466	ccsbBroad304_07466		BC001514	9686	VGLL4	no errors	hORFeome V8.1 Collection	9686	VGLL4	NM_015904.3	Full Length 99-100% match
ccsbBroadEn_07467	ccsbBroad304_07467		BC032221	9692	KIAA0391	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	9692	KIAA0391	NM_014660.3	Full Length 99-100% match
ccsbBroadEn_07468	ccsbBroad304_07468		BC020753	9694	TTC35	no errors	hORFeome V8.1 Collection	9694	TTC35	NM_014665.2	Full Length 99-100% match
ccsbBroadEn_07469	ccsbBroad304_07469		BC013398	9698	PUM1	no errors	hORFeome V8.1 Collection	9698	PUM1	NM_014667.2	Full Length 99-100% match
ccsbBroadEn_07470	ccsbBroad304_07470		BC043144	9699	RIMS2	no errors	hORFeome V8.1 Collection	9699	RIMS2	NM_014672.2	Full Length 99-100% match
ccsbBroadEn_07471	ccsbBroad304_07471		BC006568	9701	PPP6R2	no errors	hORFeome V8.1 Collection	9701	PPP6R2	NM_014673.3	Full Length 99-100% match
ccsbBroadEn_07472	ccsbBroad304_07472		BC045611	9715	FAM131B	no errors	hORFeome V8.1 Collection	9715	FAM131B	NM_014676.2	Full Length 99-100% match
ccsbBroadEn_07473	ccsbBroad304_07473		BC005835,BC012449	9718	ECE2	no errors	hORFeome V8.1 Collection	9718	ECE2	NM_014677.4	Full Length 99-100% match
ccsbBroadEn_07474	ccsbBroad304_07474		CCSB53198	9718	ECE2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9718	ECE2	NM_014678.3	Full Length 99-100% match
ccsbBroadEn_07475	ccsbBroad304_07475	454	BC152458	9723	SEMA3E	no errors	hORFeome V8.1 Collection	9723	SEMA3E	NM_001037324.2	Full Length 99-100% match
ccsbBroadEn_07476	ccsbBroad304_07476		BC122536	9724	UTP14C	no errors	hORFeome V8.1 Collection	9724	UTP14C	NM_012431.2	Full Length 99-100% match
ccsbBroadEn_07477	ccsbBroad304_07477	454	BC111983	9733	SART3	no errors	hORFeome V8.1 Collection	9733	SART3	NM_021645.5	Full Length 99-100% match
ccsbBroadEn_07478	ccsbBroad304_07478		BC036654	9738	CP110	no errors	hORFeome V8.1 Collection	9738	CP110	NM_014706.3	Full Length 99-100% match
ccsbBroadEn_07479	ccsbBroad304_07479		BC003158	9741	LAPTM4A	no errors	hORFeome V8.1 Collection	9741	LAPTM4A	NM_014711.4	Full Length 99-100% match
ccsbBroadEn_07480	ccsbBroad304_07480	454	BC150630	9749	PHACTR2	no errors	hORFeome V8.1 Collection	9749	PHACTR2	NM_014713.4	Full Length 99-100% match
ccsbBroadEn_07481	ccsbBroad304_07481		BC001232	9750	FAM65B	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	9750	FAM65B	NM_014721.2	Full Length 99-100% match
ccsbBroadEn_07482	ccsbBroad304_07482		BC035788	9751	SNPH	1 synonomous error	hORFeome V8.1 Collection	9751	SNPH	NM_015864.2	Full Length 99-100% match
ccsbBroadEn_07483	ccsbBroad304_07483	454	BC150286	9778	KIAA0232	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9778	KIAA0232	NM_014723.2	Full Length 99-100% match
ccsbBroadEn_07484	ccsbBroad304_07484		BC050373	9781	RNF144A	no errors	hORFeome V8.1 Collection	9781	RNF144A	NM_001100590.1	Full Length 99-100% match
ccsbBroadEn_07485	ccsbBroad304_07485		BC004235	9785	DHX38	no errors	hORFeome V8.1 Collection	9785	DHX38	NM_014746.3	Full Length 99-100% match
ccsbBroadEn_07486	ccsbBroad304_07486		BC064957	9789	SPCS2	no errors	hORFeome V8.1 Collection	9789	SPCS2	NM_014003.3	Full Length 99-100% match
ccsbBroadEn_07487	ccsbBroad304_07487	454	BC043345	9790	BMS1	no errors	hORFeome V8.1 Collection	9790	BMS1	NM_014752.2	Full Length 99-100% match
ccsbBroadEn_07488	ccsbBroad304_07488		BC034034,BC035940	9796	PHYHIP	no errors	hORFeome V8.1 Collection	9796	PHYHIP	NM_014753.3	Full Length 99-100% match
ccsbBroadEn_07489	ccsbBroad304_07489		BC030144	9801	MRPL19	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9801	MRPL19	NM_014759.3;	Full Length 99-100% match
ccsbBroadEn_07490	ccsbBroad304_07490		BC040492	9805	SCRN1	no errors	hORFeome V8.1 Collection	9805	SCRN1	NM_001099335.1	Full Length 99-100% match
ccsbBroadEn_07491	ccsbBroad304_07491		BC012944	9807	IP6K1	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9807	IP6K1	NM_014766.4;	Full Length 99-100% match
ccsbBroadEn_07492	ccsbBroad304_07492		BC007855,BC011269	9812	KIAA0141	no errors	hORFeome V8.1 Collection	9812	KIAA0141	NM_001145513.1	Full Length 99-100% match
ccsbBroadEn_07493	ccsbBroad304_07493		BC011926	9812	KIAA0141	no errors	hORFeome V8.1 Collection	9812	KIAA0141	NM_153273.3	Full Length 99-100% match
ccsbBroadEn_07494	ccsbBroad304_07494		BC012541,BC015926	9823	ARMCX2	no errors	hORFeome V8.1 Collection	9823	ARMCX2	NM_014773.3;	Full Length 99-100% match
ccsbBroadEn_07495	ccsbBroad304_07495	454	BC012542	9837	GINS1	no errors	hORFeome V8.1 Collection	9837	GINS1	NM_001142603.1	Full Length 99-100% match
ccsbBroadEn_07496	ccsbBroad304_07496		BC114341	9844	ELMO1	no errors	hORFeome V8.1 Collection	9844	ELMO1	NM_177949.2;	Full Length 99-100% match
ccsbBroadEn_07497	ccsbBroad304_07497	454	BC140821	9856	KIAA0319	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9856	KIAA0319	NM_014782.5	Full Length 99-100% match
ccsbBroadEn_07498	ccsbBroad304_07498	454	BC047935	9858	KIAA0649	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9858	KIAA0649	NM_021067.3	Full Length 99-100% match
ccsbBroadEn_07499	ccsbBroad304_07499		BC011375	9862	MED24	no errors	hORFeome V8.1 Collection	9862	MED24	NM_014800.9	Full Length 99-100% match



ccsbBroadEn_07500	ccsbBroad304_07500		BC030826	9867	PJA2	no errors	hORFeome V8.1 Collection	9867	PJA2	NM_014819.4	Full Length 99-100% match
ccsbBroadEn_07501	ccsbBroad304_07501		BC013689	9878	TOX4	no errors	hORFeome V8.1 Collection	9878	TOX4	NM_014828.2	Full Length 99-100% match
ccsbBroadEn_07502	ccsbBroad304_07502		BC0008794	9883	POM121	no errors	hORFeome V8.1 Collection	9883	POM121	NM_172020.2	Full Length 99-100% match
ccsbBroadEn_07503	ccsbBroad304_07503		BC032848	9886	RHOBTB1	no errors	hORFeome V8.1 Collection	9886	RHOBTB1	NM_014836.4	Full Length 99-100% match
ccsbBroadEn_07504	ccsbBroad304_07504		BC117670	9889	ZBED4	no errors	hORFeome V8.1 Collection	9889	ZBED4	NM_014838.2	Full Length 99-100% match
ccsbBroadEn_07505	ccsbBroad304_07505	454	BC142667	9895	TECPR2	no errors	hORFeome V8.1 Collection	9895	TECPR2	NM_001172631.1	Full Length 99-100% match
ccsbBroadEn_07506	ccsbBroad304_07506		BC003170	9898	UBAP2L	no errors	hORFeome V8.1 Collection	9898	UBAP2L	NM_014847.3	Full Length 99-100% match
ccsbBroadEn_07507	ccsbBroad304_07507		BC030011	9899	SV2B	no errors	hORFeome V8.1 Collection	9899	SV2B	NM_014848.4	Full Length 99-100% match
ccsbBroadEn_07508	ccsbBroad304_07508		BC004289,BC006137	9904	RBM19	no errors	hORFeome V8.1 Collection	9904	RBM19	NM_016196.3; NM_001146698.1; NM_001146699.1	Full Length 99-100% match
ccsbBroadEn_07509	ccsbBroad304_07509		BC131629	9911	TMCC2	no errors	hORFeome V8.1 Collection	9911	TMCC2	NM_014858.3	Full Length 99-100% match
ccsbBroadEn_07510	ccsbBroad304_07510		BC031596	9921	RNF10	no errors	hORFeome V8.1 Collection	9921	RNF10	NM_014868.4	Full Length 99-100% match
ccsbBroadEn_07511	ccsbBroad304_07511		BC113742	9928	KIF14	no errors	hORFeome V8.1 Collection	9928	KIF14	NM_014875.2	Full Length 99-100% match
ccsbBroadEn_07512	ccsbBroad304_07512		BC016137	9933	KIAA0020	no errors	hORFeome V8.1 Collection	9933	KIAA0020	NM_014878.4	Full Length 99-100% match
ccsbBroadEn_07513	ccsbBroad304_07513		BC034989	9934	P2RY14	no errors	hORFeome V8.1 Collection	9934	P2RY14	NM_014879.3; NM_001081455.1	Full Length 99-100% match
ccsbBroadEn_07514	ccsbBroad304_07514	454	BC036689	9935	MAFB	no errors	hORFeome V8.1 Collection	9935	MAFB	NM_005461.3	Full Length 99-100% match
ccsbBroadEn_07515	ccsbBroad304_07515		BC000012	9945	GFPT2	no errors	hORFeome V8.1 Collection	9945	GFPT2	NM_005110.2	Full Length 99-100% match
ccsbBroadEn_07516	ccsbBroad304_07516		BC002489	9948	WDR1	no errors	hORFeome V8.1 Collection	9948	WDR1	NM_017491.3	Full Length 99-100% match
ccsbBroadEn_07517	ccsbBroad304_07517		BC000201	9948	WDR1	no errors	hORFeome V8.1 Collection	9948	WDR1	NM_017491.3	Full Length 99-100% match
ccsbBroadEn_07518	ccsbBroad304_07518	454	BC063301	9953	HS3ST3B1	no errors	hORFeome V8.1 Collection	9953	HS3ST3B1	NM_006041.1	Full Length 99-100% match
ccsbBroadEn_07519	ccsbBroad304_07519	454	BC044647	9955	HS3ST3A1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	9955	HS3ST3A1	NM_006042.1	Full Length 99-100% match
ccsbBroadEn_07520	ccsbBroad304_07520		BC125123	9958	USP15	no errors	hORFeome V8.1 Collection	9958	USP15	NM_006313.1	Full Length 99-100% match
ccsbBroadEn_07521	ccsbBroad304_07521		BC069626	9970	NR113	no errors	hORFeome V8.1 Collection	9970	NR113	NM_001077480.1	Full Length 99-100% match
ccsbBroadEn_07522	ccsbBroad304_07522		BC005254	9976	CLEC2B	no errors	hORFeome V8.1 Collection	9976	CLEC2B	NM_005127.2	Full Length 99-100% match
ccsbBroadEn_07523	ccsbBroad304_07523		BC008910	9982	FGFBP1	no errors	hORFeome V8.1 Collection	9982	FGFBP1	NM_005130.3	Full Length 99-100% match
ccsbBroadEn_07524	ccsbBroad304_07524		BC003628	9982	FGFBP1	no errors	hORFeome V8.1 Collection	9982	FGFBP1	NM_005130.3	Full Length 99-100% match
ccsbBroadEn_07525	ccsbBroad304_07525		BC010381	9984	THOC1	no errors	hORFeome V8.1 Collection	9984	THOC1	NM_005131.2	Full Length 99-100% match
ccsbBroadEn_07526	ccsbBroad304_07526		BC004159	9985	REC8	no errors	hORFeome V8.1 Collection	9985	REC8	NM_005132.2; NM_001048205.1	Full Length 99-100% match
ccsbBroadEn_07527	ccsbBroad304_07527		BC011714	9987	HNRPD	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	9987	HNRPD	NM_031372.2	Full Length 99-100% match
ccsbBroadEn_07528	ccsbBroad304_07528		BC070064	9988	DMTF1	no errors	hORFeome V8.1 Collection	9988	DMTF1	NM_021145.3; NM_001142327.1	Full Length 99-100% match
ccsbBroadEn_07529	ccsbBroad304_07529		BC121154	10000	AKT3	no errors	hORFeome V8.1 Collection	10000	AKT3	NM_181690.1	Full Length 99-100% match
ccsbBroadEn_07530	ccsbBroad304_07530		BC020769	10007	GNPDA1	no errors	hORFeome V8.1 Collection	10007	GNPDA1	NM_005471.4	Full Length 99-100% match
ccsbBroadEn_07531	ccsbBroad304_07531		BC067779	10010	TANK	no errors	hORFeome V8.1 Collection	10010	TANK	NM_004180.2; NM_001199135.1	Full Length 99-100% match
ccsbBroadEn_07532	ccsbBroad304_07532		BC068454	10015	PDCD6IP	no errors	hORFeome V8.1 Collection	10015	PDCD6IP	NM_001162429.1	Full Length 99-100% match
ccsbBroadEn_07533	ccsbBroad304_07533		BC106706	10016	PDCD6	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	10016	PDCD6	NM_013232.3	Full Length 99-100% match
ccsbBroadEn_07534	ccsbBroad304_07534	454	BC101648	10022	INSL5	no errors	hORFeome V8.1 Collection	10022	INSL5	NM_005478.3	Full Length 99-100% match
ccsbBroadEn_07535	ccsbBroad304_07535		BC014260	10039	PARP3	no errors	hORFeome V8.1 Collection	10039	PARP3	NM_005485.4	Full Length 99-100% match
ccsbBroadEn_07536	Failed LR reaction		BC027962	10044	SH2D3C	no errors	hORFeome V8.1 Collection	10044	SH2D3C	NM_005489.2	Full Length 99-100% match
ccsbBroadEn_07537	ccsbBroad304_07537		BC069496	10047	CST8	no errors	hORFeome V8.1 Collection	10047	CST8	NM_005492.2	Full Length 99-100% match
ccsbBroadEn_07538	ccsbBroad304_07538		BC096213	10052	GJC1	no errors	hORFeome V8.1 Collection	10052	GJC1	NM_001080383.1; NM_005497.3	Full Length 99-100% match
ccsbBroadEn_07539	ccsbBroad304_07539		BC003153	10054	UBA2	no errors	hORFeome V8.1 Collection	10054	UBA2	NM_005499.2	Full Length 99-100% match
ccsbBroadEn_07540	ccsbBroad304_07540		BC000344,BC018271	10055	SAE1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10055	SAE1	NM_005500.2	Full Length 99-100% match
ccsbBroadEn_07541	ccsbBroad304_07541		BC017783	10056	FARSB	no errors	hORFeome V8.1 Collection	10056	FARSB	NM_005687.3	Full Length 99-100% match
ccsbBroadEn_07542	ccsbBroad304_07542		BC001661	10061	ABCF2	no errors	hORFeome V8.1 Collection	10061	ABCF2	NM_007189.1	Full Length 99-100% match
ccsbBroadEn_07543	ccsbBroad304_07543		BC005135	10067	SCAMP3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	10067	SCAMP3	NM_005698.2	Full Length 99-100% match
ccsbBroadEn_07544	ccsbBroad304_07544		BC012546	10069	RWDD2B	no errors	hORFeome V8.1 Collection	10069	RWDD2B	NM_016940.2	Full Length 99-100% match
ccsbBroadEn_07545	ccsbBroad304_07545		BC007221,BC024271	10072	DPP3	no errors	hORFeome V8.1 Collection	10072	DPP3	NM_130443.2; NM_005700.3	Full Length 99-100% match
ccsbBroadEn_07546	ccsbBroad304_07546		BC001446	10072	DPP3	no errors	hORFeome V8.1 Collection	10072	DPP3	NM_130443.2; NM_005700.3	Full Length 99-100% match
ccsbBroadEn_07547	ccsbBroad304_07547	454	BC146655	10076	PTPRU	1 synonomous error	hORFeome V8.1 Collection	10076	PTPRU	NM_001195001.1	Full Length 99-100% match
ccsbBroadEn_07548	ccsbBroad304_07548		BC006091	10078	TSSC4	no errors	hORFeome V8.1 Collection	10078	TSSC4	NM_005706.2	Full Length 99-100% match
ccsbBroadEn_07549	ccsbBroad304_07549		BC030828	10085	EDIL3	no errors	hORFeome V8.1 Collection	10085	EDIL3	NM_005711.3	Full Length 99-100% match
ccsbBroadEn_07550	ccsbBroad304_07550		BC021675	10100	TSPAN2	no errors	hORFeome V8.1 Collection	10100	TSPAN2	NM_005725.4	Full Length 99-100% match
ccsbBroadEn_07551	ccsbBroad304_07551		BC008005	10101	NUBP2	no errors	hORFeome V8.1 Collection	10101	NUBP2	NM_012225.2	Full Length 99-100% match
ccsbBroadEn_07552	ccsbBroad304_07552	454	BC093068	10102	TSM	no errors	hORFeome V8.1 Collection	10102	TSM	NM_005726.5	Full Length 99-100% match
ccsbBroadEn_07553	ccsbBroad304_07553		BC113419	10107	TRIM10	no errors	hORFeome V8.1 Collection	10107	TRIM10	NM_052828.2	Full Length 99-100% match
ccsbBroadEn_07554	ccsbBroad304_07554		BC006372	10120	ACTR1B	no errors	hORFeome V8.1 Collection	10120	ACTR1B	NM_005735.3	Full Length 99-100% match
ccsbBroadEn_07555	ccsbBroad304_07555		BC004374,BC010090	10120	ACTR1B	no errors	hORFeome V8.1 Collection	10120	ACTR1B	NM_005735.3	Full Length 99-100% match
ccsbBroadEn_07556	ccsbBroad304_07556		BC002968	10126	DNAL4	no errors	hORFeome V8.1 Collection	10126	DNAL4	NM_005740.2	Full Length 99-100% match
ccsbBroadEn_07557	ccsbBroad304_07557		BC072439	10135	NAMPT	no errors	hORFeome V8.1 Collection	10135	NAMPT	NM_005746.2	Full Length 99-100% match
ccsbBroadEn_07558	ccsbBroad304_07558		BC008383	10136	CELA3A	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10136	CELA3A	NM_005747.4	Full Length 99-100% match
ccsbBroadEn_07559	ccsbBroad304_07559		BC005918	10136	CELA3A	no errors	hORFeome V8.1 Collection	10136	CELA3A	NM_005747.4	Full Length 99-100% match
ccsbBroadEn_07560	ccsbBroad304_07560		BC012787,BC013981	10137	RBM12	no errors	hORFeome V8.1 Collection	10137	RBM12	NM_006047.5; NM_152838.3; NM_001198838.1;	Full Length 99-100% match
ccsbBroadEn_07561	ccsbBroad304_07561		BC037777	10138	YAF2	no errors	hORFeome V8.1 Collection	10138	YAF2	NM_001190979.1	Full Length 99-100% match
ccsbBroadEn_07562	ccsbBroad304_07562	454	BC093967	10139	ARFRP1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10139	ARFRP1	NM_003224.3	Full Length 99-100% match
ccsbBroadEn_07563	ccsbBroad304_07563		BC012303	10158	PDZK1IP1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10158	PDZK1IP1	NM_005764.3	Full Length 99-100% match
ccsbBroadEn_07564	ccsbBroad304_07564		BC002702	10166	SLC25A15	no errors	hORFeome V8.1 Collection	10166	SLC25A15	NM_014252.3	Full Length 99-100% match
ccsbBroadEn_07565	ccsbBroad304_07565		BC046643	10180	RBM6	no errors	hORFeome V8.1 Collection	10180	RBM6	NM_001167582.1	Full Length 99-100% match
ccsbBroadEn_07566	ccsbBroad304_07566		BC005242,BC011020	10200	MPHOSPH6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10200	MPHOSPH6	NM_005792.2	Full Length 99-100% match
ccsbBroadEn_07567	ccsbBroad304_07567		BC031017	10200	MPHOSPH6	no errors	hORFeome V8.1 Collection	10200	MPHOSPH6	NM_005792.2	Full Length 99-100% match
ccsbBroadEn_07568	ccsbBroad304_07568		BC038103	10208	USPL1	no errors	hORFeome V8.1 Collection	10208	USPL1	NM_005800.4	Full Length 99-100% match
ccsbBroadEn_07569	ccsbBroad304_07569	454	BC063292	10221	TRIB1	no errors	hORFeome V8.1 Collection	10221	TRIB1	NM_025195.2	Full Length 99-100% match
ccsbBroadEn_07570	ccsbBroad304_07570		BC005818,BC019278	10226	PLIN3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10226	PLIN3	NM_005817.4	Full Length 99-100% match
ccsbBroadEn_07571	ccsbBroad304_07571		BC001590,BC007566	10226	PLIN3	no errors	hORFeome V8.1 Collection	10226	PLIN3	NM_005817.4	Full Length 99-100% match
ccsbBroadEn_07572	ccsbBroad304_07572		BC038509	10231	RCAN2	no errors	hORFeome V8.1 Collection	10231	RCAN2	NM_005822.2	Full Length 99-100% match
ccsbBroadEn_07573	ccsbBroad304_07573		BC011888	10237	SLC35B1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10237	SLC35B1	NM_005827.1	Full Length 99-100% match
ccsbBroadEn_07574	ccsbBroad304_07574		BC002785,BC010020	10239	AP3S2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10239	AP3S2	NM_005829.4	Full Length 99-100% match
ccsbBroadEn_07575	ccsbBroad304_07575		BC022045	10240	MRPS31	no errors	hORFeome V8.1 Collection	10240	MRPS31	NM_005830.3	Full Length 99-100% match
ccsbBroadEn_07576	ccsbBroad304_07576		BC004130	10241	CALCOCO2	no errors	hORFeome V8.1 Collection	10241	CALCOCO2	NM_005831.3	Full Length 99-100% match
ccsbBroadEn_07577	ccsbBroad304_07577		BC017825	10242	KCNMB2	no errors	hORFeome V8.1 Collection	10242	KCNMB2	NM_005832.3; NM_181361.1	Full Length 99-100% match
ccsbBroadEn_07578	ccsbBroad304_07578		BC000503	10244	RABEPK	no errors	hORFeome V8.1 Collection	10244	RABEPK	NM_005833.3; NM_001174152.1	Full Length 99-100% match



ccsbBroadEn_07579	ccsbBroad304_07579		BC009785	10249	GLYAT	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10249	GLYAT	NM_005838.3	Full Length 99-100% match
ccsbBroadEn_07580	ccsbBroad304_07580		BC017844	10261	IGSF6	no errors	hORFeome V8.1 Collection	10261	IGSF6	NM_005849.2	Full Length 99-100% match
ccsbBroadEn_07581	ccsbBroad304_07581		BC053852	10268	RAMP3	no errors	hORFeome V8.1 Collection	10268	RAMP3	NM_005856.2	Full Length 99-100% match
ccsbBroadEn_07582	ccsbBroad304_07582		BC010285	10276	NET1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10276	NET1	NM_005863.3	Full Length 99-100% match
ccsbBroadEn_07583	ccsbBroad304_07583	454	BC142679	10299	MARCH6	no errors	hORFeome V8.1 Collection	10299	MARCH6	NM_005885.2	Full Length 99-100% match
ccsbBroadEn_07584	ccsbBroad304_07584		BC001353	10300	KATNB1	no errors	hORFeome V8.1 Collection	10300	KATNB1	NM_005886.2	Full Length 99-100% match
ccsbBroadEn_07585	ccsbBroad304_07585		BC036543	10316	NMUR1	no errors	hORFeome V8.1 Collection	10316	NMUR1	NM_006056.4	Full Length 99-100% match
ccsbBroadEn_07586	ccsbBroad304_07586	454	BC104862	10317	B3GALT5	no errors	hORFeome V8.1 Collection	10317	B3GALT5	NM_006057.1; NM_033170.1; NM_033171.1; NM_033172.1; NM_033173.1	Full Length 99-100% match
ccsbBroadEn_07587	ccsbBroad304_07587		BC005394	10327	AKR1A1	no errors	hORFeome V8.1 Collection	10327	AKR1A1	NM_006066.2;	Full Length 99-100% match
ccsbBroadEn_07588	ccsbBroad304_07588		BC066876	10331	B3GNT3	no errors	hORFeome V8.1 Collection	10331	B3GNT3	NM_014256.3	Full Length 99-100% match
ccsbBroadEn_07589	ccsbBroad304_07589		BC038851	10332	CLEC4M	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10332	CLEC4M	NM_014257.4	Full Length 99-100% match
ccsbBroadEn_07590	ccsbBroad304_07590		BC044575	10352	WARS2	no errors	hORFeome V8.1 Collection	10352	WARS2	NM_015836.3	Full Length 99-100% match
ccsbBroadEn_07591	ccsbBroad304_07591		BC006570	10382	TUBB4	no errors	hORFeome V8.1 Collection	10382	TUBB4	NM_006087.2	Full Length 99-100% match
ccsbBroadEn_07592	ccsbBroad304_07592		BC032610,BC049196	10390	CEPT1	1 synonomous error	hORFeome V8.1 Collection	10390	CEPT1	NM_006090.3; NM_001007794.1	Full Length 99-100% match
ccsbBroadEn_07593	ccsbBroad304_07593		BC026335	10391	CORO2B	no errors	hORFeome V8.1 Collection	10391	CORO2B	NM_001190457.1; NM_001190456.1	Full Length 99-100% match
ccsbBroadEn_07594	Failed LR reaction		BC040339	10392	NOD1	no errors	hORFeome V8.1 Collection	10392	NOD1	NM_006092.2	Full Length 99-100% match
ccsbBroadEn_07595	ccsbBroad304_07595		BC113411	10394	PRG3	no errors	hORFeome V8.1 Collection	10394	PRG3	NM_006093.3	Full Length 99-100% match
ccsbBroadEn_07596	ccsbBroad304_07596		BC049842	10395	DLC1	no errors	hORFeome V8.1 Collection	10395	DLC1	NM_024767.3	Full Length 99-100% match
ccsbBroadEn_07597	ccsbBroad304_07597		BC014788	10399	GNB2L1	no errors	hORFeome V8.1 Collection	10399	GNB2L1	NM_006098.4	Full Length 99-100% match
ccsbBroadEn_07598	ccsbBroad304_07598		BC000557	10400	PEMT	no errors	hORFeome V8.1 Collection	10400	PEMT	NM_148172.1	Full Length 99-100% match
ccsbBroadEn_07599	ccsbBroad304_07599		BC050593	10400	PEMT	no errors	hORFeome V8.1 Collection	10400	PEMT	NM_148172.1	Full Length 99-100% match
ccsbBroadEn_07600	ccsbBroad304_07600		BC005288	10412	NSA2	no errors	hORFeome V8.1 Collection	10412	NSA2	NM_014886.3	Full Length 99-100% match
ccsbBroadEn_07601	ccsbBroad304_07601	454	BC038235	10413	YAP1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10413	YAP1	NM_001130145.2	Full Length 99-100% match
ccsbBroadEn_07602	ccsbBroad304_07602		BC002707,BC036341	10417	SPON2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10417	SPON2	NM_012445.3; NM_001128325.2; NM_001199021.1	Full Length 99-100% match
ccsbBroadEn_07603	ccsbBroad304_07603	454	BC136513	10418	SPON1	no errors	hORFeome V8.1 Collection	10418	SPON1	NM_006108.2	Full Length 99-100% match
ccsbBroadEn_07604	ccsbBroad304_07604		BC000991	10428	CFDP1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10428	CFDP1	NM_006324.2	Full Length 99-100% match
ccsbBroadEn_07605	ccsbBroad304_07605		BC008652,BC010397	10434	LYPLA1	2 synonomous errors	hORFeome V8.1 Mutant Subcollection	10434	LYPLA1	NM_006330.2	Full Length 99-100% match
ccsbBroadEn_07606	ccsbBroad304_07606		BC031020	10437	IFI30	no errors	hORFeome V8.1 Collection	10437	IFI30	NM_006332.3	Full Length 99-100% match
ccsbBroadEn_07607	ccsbBroad304_07607		BC005235	10438	C1D	no errors	hORFeome V8.1 Collection	10438	C1D	NM_006333.3; NM_173177.2; NM_001190263.1; NM_001190265.1	Full Length 99-100% match
ccsbBroadEn_07608	ccsbBroad304_07608		BC008763,BC011741	10439	OLFM1	no errors	hORFeome V8.1 Collection	10439	OLFM1	NM_014279.4	Full Length 99-100% match
ccsbBroadEn_07609	ccsbBroad304_07609		BC034047	10446	LRRN2	no errors	hORFeome V8.1 Collection	10446	LRRN2	NM_006338.2; NM_201630.1	Full Length 99-100% match
ccsbBroadEn_07610	ccsbBroad304_07610		BC005240	10456	HAX1	no errors	hORFeome V8.1 Collection	10456	HAX1	NM_006118.3	Full Length 99-100% match
ccsbBroadEn_07611	ccsbBroad304_07611		BC032783	10457	GNPMB	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10457	GNPMB	NM_001005340.1	Full Length 99-100% match
ccsbBroadEn_07612	ccsbBroad304_07612		BC111771	10460	TACC3	no errors	hORFeome V8.1 Collection	10460	TACC3	NM_006342.1	Full Length 99-100% match
ccsbBroadEn_07613	ccsbBroad304_07613		BC039011	10462	CLEC10A	no errors	hORFeome V8.1 Collection	10462	CLEC10A	NM_182906.2	Full Length 99-100% match
ccsbBroadEn_07614	ccsbBroad304_07614		BC007732,BC016949	10463	SLC30A9	no errors	hORFeome V8.1 Collection	10463	SLC30A9	NM_006345.3	Full Length 99-100% match
ccsbBroadEn_07615	ccsbBroad304_07615		BC068540	10466	COG5	no errors	hORFeome V8.1 Collection	10466	COG5	NM_001161520.1	Full Length 99-100% match
ccsbBroadEn_07616	ccsbBroad304_07616		BC036677	10472	ZNF238	no errors	hORFeome V8.1 Collection	10472	ZNF238	NM_006352.3	Full Length 99-100% match
ccsbBroadEn_07617	ccsbBroad304_07617		BC001282	10473	HMGN4	no errors	hORFeome V8.1 Collection	10473	HMGN4	NM_006353.2	Full Length 99-100% match
ccsbBroadEn_07618	ccsbBroad304_07618		BC049169	10479	SLC9A6	no errors	hORFeome V8.1 Collection	10479	SLC9A6	NM_001042537.1	Full Length 99-100% match
ccsbBroadEn_07619	ccsbBroad304_07619		BC005404	10483	SEC23B	no errors	hORFeome V8.1 Collection	10483	SEC23B	NM_006363.4; NM_032986.3; NM_032985.4; NM_001172745.1	Full Length 99-100% match
ccsbBroadEn_07620	ccsbBroad304_07620		BC008481	10486	CAP2	no errors	hORFeome V8.1 Collection	10486	CAP2	NM_006366.2	Full Length 99-100% match
ccsbBroadEn_07621	ccsbBroad304_07621		BC009402	10488	CREB3	no errors	hORFeome V8.1 Collection	10488	CREB3	NM_006368.4	Full Length 99-100% match
ccsbBroadEn_07622	ccsbBroad304_07622		BC054500	10507	SEMA4D	no errors	hORFeome V8.1 Collection	10507	SEMA4D	NM_006378.3	Full Length 99-100% match
ccsbBroadEn_07623	ccsbBroad304_07623		BC126438	10509	SEMA4B	no errors	hORFeome V8.1 Collection	10509	SEMA4B	NM_020210.3; NM_198925.2	Full Length 99-100% match
ccsbBroadEn_07624	ccsbBroad304_07624	454	BC110853	10509	SEMA4B	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	10509	SEMA4B	NM_020210.3; NM_198925.2	Full Length 99-100% match
ccsbBroadEn_07625	ccsbBroad304_07625		BC030690	10512	SEMA3C	no errors	hORFeome V8.1 Collection	10512	SEMA3C	NM_006379.2	Full Length 99-100% match
ccsbBroadEn_07626	ccsbBroad304_07626	454	BC022280	10516	FBLN5	no errors	hORFeome V8.1 Collection	10516	FBLN5	NM_006329.3	Full Length 99-100% match
ccsbBroadEn_07627	ccsbBroad304_07627		BC047381	10518	CIB2	no errors	hORFeome V8.1 Collection	10518	CIB2	NM_006383.2	Full Length 99-100% match
ccsbBroadEn_07628	ccsbBroad304_07628		BC110453	10529	NEBL	no errors	hORFeome V8.1 Collection	10529	NEBL	NM_006393.2	Full Length 99-100% match
ccsbBroadEn_07629	ccsbBroad304_07629		BC014791	10534	SSSCA1	no errors	hORFeome V8.1 Collection	10534	SSSCA1	NM_006396.1	Full Length 99-100% match
ccsbBroadEn_07630	ccsbBroad304_07630		BC012472	10537	UBD	no errors	hORFeome V8.1 Collection	10537	UBD	NM_006398.3	Full Length 99-100% match
ccsbBroadEn_07631	ccsbBroad304_07631		BC032294	10538	BATF	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10538	BATF	NM_006399.3	Full Length 99-100% match
ccsbBroadEn_07632	ccsbBroad304_07632		BC014451	10544	PROCR	no errors	hORFeome V8.1 Collection	10544	PROCR	NM_006404.3	Full Length 99-100% match
ccsbBroadEn_07633	ccsbBroad304_07633		BC002439,BC015358	10553	HTATIP2	no errors	hORFeome V8.1 Collection	10553	HTATIP2	NM_001098522.1; NM_006410.4; NM_001098521.1	Full Length 99-100% match
ccsbBroadEn_07634	ccsbBroad304_07634		BC000026	10555	AGPAT2	no errors	hORFeome V8.1 Collection	10555	AGPAT2	NM_006412.3	Full Length 99-100% match
ccsbBroadEn_07635	ccsbBroad304_07635		BC029494	10557	RPP38	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10557	RPP38	NM_006414.3; NM_183005.3	Full Length 99-100% match
ccsbBroadEn_07636	ccsbBroad304_07636		BC007085	10558	SPTLC1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10558	SPTLC1	NM_178324.1	Full Length 99-100% match
ccsbBroadEn_07637	ccsbBroad304_07637		BC010634	10569	SLU7	no errors	hORFeome V8.1 Collection	10569	SLU7	NM_006425.4	Full Length 99-100% match
ccsbBroadEn_07638	ccsbBroad304_07638	454	BC136329	10570	DPYSL4	no errors	hORFeome V8.1 Collection	10570	DPYSL4	NM_006426.2	Full Length 99-100% match
ccsbBroadEn_07639	ccsbBroad304_07639		BC000990	10573	MRPL28	no errors	hORFeome V8.1 Collection	10573	MRPL28	NM_006428.4	Full Length 99-100% match
ccsbBroadEn_07640	ccsbBroad304_07640		BC000507	10573	MRPL28	no errors	hORFeome V8.1 Collection	10573	MRPL28	NM_006428.4	Full Length 99-100% match
ccsbBroadEn_07641	ccsbBroad304_07641		BC019296	10574	CCT7	no errors	hORFeome V8.1 Collection	10574	CCT7	NM_006429.3; NM_001166285.1	Full Length 99-100% match
ccsbBroadEn_07642	ccsbBroad304_07642		BC113514	10576	CCT2	no errors	hORFeome V8.1 Collection	10576	CCT2	NM_006431.2; NM_001198842.1	Full Length 99-100% match
ccsbBroadEn_07643	ccsbBroad304_07643	454	BC065268	10585	POMT1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	10585	POMT1	NM_001077365.1; NM_001136113.1	Full Length 99-100% match
ccsbBroadEn_07644	ccsbBroad304_07644		BC019921	10588	MTHFS	no errors	hORFeome V8.1 Collection	10588	MTHFS	NM_006441.3	Full Length 99-100% match
ccsbBroadEn_07645	ccsbBroad304_07645		BC114376	10599	SLCO1B1	no errors	hORFeome V8.1 Collection	10599	SLCO1B1	NM_006446.4	Full Length 99-100% match
ccsbBroadEn_07646	ccsbBroad304_07646		BC035409	10607	TBL3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	10607	TBL3	NM_006453.2	Full Length 99-100% match



ccsbBroadEn_07647	ccsbBroad304_07647		BC040455	10610	ST6GALNAC2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10610	ST6GALNAC2	NM_006456.2	Full Length 99-100% match
ccsbBroadEn_07648	ccsbBroad304_07648		BC008741	10611	PDLIM5	no errors	hORFeome V8.1 Collection	10611	PDLIM5	NM_006457.3	Full Length 99-100% match
ccsbBroadEn_07649	ccsbBroad304_07649		BC017902	10611	PDLIM5	no errors	hORFeome V8.1 Collection	10611	PDLIM5	NM_001011156.1	Full Length 99-100% match
ccsbBroadEn_07650	ccsbBroad304_07650	454	BC096827	10612	TRIM3	no errors	hORFeome V8.1 Collection	10612	TRIM3	NM_006458.2; NM_033278.2	Full Length 99-100% match
ccsbBroadEn_07651	ccsbBroad304_07651		BC006460	10614	HEXIM1	no errors	hORFeome V8.1 Collection	10614	HEXIM1	NM_006460.2	Full Length 99-100% match
ccsbBroadEn_07652	ccsbBroad304_07652		BC007682	10617	STAMPB	no errors	hORFeome V8.1 Collection	10617	STAMPB	NM_006463.3; NM_201647.1; NM_213622.1	Full Length 99-100% match
ccsbBroadEn_07653	ccsbBroad304_07653		BC008461	10618	TGOLN2	no errors	hORFeome V8.1 Collection	10618	TGOLN2	NM_006464.2	Full Length 99-100% match
ccsbBroadEn_07654	ccsbBroad304_07654		BC012588	10621	POLR3F	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10621	POLR3F	NM_006466.2	Full Length 99-100% match
ccsbBroadEn_07655	ccsbBroad304_07655		BC002586	10623	POLR3C	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10623	POLR3C	NM_006468.6	Full Length 99-100% match
ccsbBroadEn_07656	ccsbBroad304_07656		BC053514	10626	TRIM16	no errors	hORFeome V8.1 Collection	10626	TRIM16	NM_006470.3	Full Length 99-100% match
ccsbBroadEn_07657	ccsbBroad304_07657		BC015128	10632	ATP5L	no errors	hORFeome V8.1 Collection	10632	ATP5L	NM_006476.4	Full Length 99-100% match
ccsbBroadEn_07658	ccsbBroad304_07658		BC011047	10634	GAS2L1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	10634	GAS2L1	NM_006478.3; NM_152236.1	Full Length 99-100% match
ccsbBroadEn_07659	ccsbBroad304_07659		BC001782,BC007624	10634	GAS2L1	no errors	hORFeome V8.1 Collection	10634	GAS2L1	NM_006478.3; NM_152236.1	Full Length 99-100% match
ccsbBroadEn_07660	ccsbBroad304_07660		BC041126	10640	EXOC5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10640	EXOC5	NM_006544.3	Full Length 99-100% match
ccsbBroadEn_07661	ccsbBroad304_07661		BC021984	10641	NPRL2	no errors	hORFeome V8.1 Collection	10641	NPRL2	NM_006545.4	Full Length 99-100% match
ccsbBroadEn_07662	ccsbBroad304_07662		BC056861	10641	NPRL2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	10641	NPRL2	NM_006545.4	Full Length 99-100% match
ccsbBroadEn_07663	ccsbBroad304_07663		BC065269	10643	IGF2BP3	no errors	hORFeome V8.1 Collection	10643	IGF2BP3	NM_006547.2	Full Length 99-100% match
ccsbBroadEn_07664	ccsbBroad304_07664		BC007705,BC012868	10653	SPINT2	no errors	hORFeome V8.1 Collection	10653	SPINT2	NM_021102.3	Full Length 99-100% match
ccsbBroadEn_07665	ccsbBroad304_07665		BC034774	10665	C6orf10	no errors	hORFeome V8.1 Collection	10665	C6orf10	NM_006781.3	Full Length 99-100% match
ccsbBroadEn_07666	ccsbBroad304_07666	454	BC074787	10666	CD226	no errors	hORFeome V8.1 Collection	10666	CD226	NM_006566.2	Full Length 99-100% match
ccsbBroadEn_07667	ccsbBroad304_07667		BC015063	10668	CGRRF1	no errors	hORFeome V8.1 Collection	10668	CGRRF1	NM_006568.2	Full Length 99-100% match
ccsbBroadEn_07668	ccsbBroad304_07668		BC036101	10690	FUT9	no errors	hORFeome V8.1 Collection	10690	FUT9	NM_006581.3	Full Length 99-100% match
ccsbBroadEn_07669	ccsbBroad304_07669		BC002399,BC021139	10726	NUDC	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10726	NUDC	NM_006600.2	Full Length 99-100% match
ccsbBroadEn_07670	ccsbBroad304_07670	454	BC140932	10734	STAG3	no errors	hORFeome V8.1 Collection	10734	STAG3	NM_012447.2	Full Length 99-100% match
ccsbBroadEn_07671	ccsbBroad304_07671		BC024033	10736	SIX2	no errors	hORFeome V8.1 Collection	10736	SIX2	NM_016932.4	Full Length 99-100% match
ccsbBroadEn_07672	ccsbBroad304_07672		BC031689,BC069753	10738	RFPL3	no errors	hORFeome V8.1 Collection	10738	RFPL3	NM_006604.2	Full Length 99-100% match
ccsbBroadEn_07673	ccsbBroad304_07673		BC027937	10742	RAI2	no errors	hORFeome V8.1 Collection	10742	RAI2	NM_021785.4; NM_001172739.1;	Full Length 99-100% match
ccsbBroadEn_07674	ccsbBroad304_07674		BC002823	10758	TRAF3IP2	no errors	hORFeome V8.1 Collection	10758	TRAF3IP2	NM_147686.2	Full Length 99-100% match
ccsbBroadEn_07675	ccsbBroad304_07675		BC016055	10762	NUP50	no errors	hORFeome V8.1 Collection	10762	NUP50	NM_153645.2	Full Length 99-100% match
ccsbBroadEn_07676	ccsbBroad304_07676		BC013879	10769	PLK2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10769	PLK2	NM_006622.2	Full Length 99-100% match
ccsbBroadEn_07677	ccsbBroad304_07677		BC004438	10775	POP4	no errors	hORFeome V8.1 Collection	10775	POP4	NM_006627.2	Full Length 99-100% match
ccsbBroadEn_07678	ccsbBroad304_07678		BC126255	10781	ZNF266	no errors	hORFeome V8.1 Collection	10781	ZNF266	NM_006631.2; NM_198058.1	Full Length 99-100% match
ccsbBroadEn_07679	ccsbBroad304_07679		BC009763	10782	ZNF274	no errors	hORFeome V8.1 Collection	10782	ZNF274	NM_133502.1	Full Length 99-100% match
ccsbBroadEn_07680	ccsbBroad304_07680		BC000101,BC012761	10783	NEK6	no errors	hORFeome V8.1 Collection	10783	NEK6	NM_014397.5; NM_001166168.1; NM_001166170.1	Full Length 99-100% match
ccsbBroadEn_07681	ccsbBroad304_07681		BC006341	10785	WDR4	no errors	hORFeome V8.1 Collection	10785	WDR4	NM_033661.3; NM_018669.4	Full Length 99-100% match
ccsbBroadEn_07682	ccsbBroad304_07682		BC017952	10786	SLC17A3	no errors	hORFeome V8.1 Collection	10786	SLC17A3	NM_006632.3	Full Length 99-100% match
ccsbBroadEn_07683	ccsbBroad304_07683		BC110542	10795	ZNF268	no errors	hORFeome V8.1 Collection	10795	ZNF268	NM_003415.2; NM_001165881.2	Full Length 99-100% match
ccsbBroadEn_07684	ccsbBroad304_07684	454	BC069093	10798	OR511	no errors	hORFeome V8.1 Collection	10798	OR511	NM_006637.1	Full Length 99-100% match
ccsbBroadEn_07685	ccsbBroad304_07685		BC021192	10801	SEPT9	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10801	SEPT9	NM_006640.4	Full Length 99-100% match
ccsbBroadEn_07686	ccsbBroad304_07686		BC010611	10817	FRS3	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10817	FRS3	NM_006653.3	Full Length 99-100% match
ccsbBroadEn_07687	ccsbBroad304_07687		BC021562	10818	FRS2	no errors	hORFeome V8.1 Collection	10818	FRS2	NM_006654.3; NM_001042555.1	Full Length 99-100% match
ccsbBroadEn_07688	ccsbBroad304_07688		BC011414	10827	FAM114A2	no errors	hORFeome V8.1 Collection	10827	FAM114A2	NM_018691.2	Full Length 99-100% match
ccsbBroadEn_07689	ccsbBroad304_07689	454	BC093770	10844	TUBGCP2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10844	TUBGCP2	NM_006659.2	Full Length 99-100% match
ccsbBroadEn_07690	ccsbBroad304_07690	454	BC104858	10846	PDE10A	no errors	hORFeome V8.1 Collection	10846	PDE10A	NM_006661.2	Full Length 99-100% match
ccsbBroadEn_07691	ccsbBroad304_07691	454	BC064913	10848	PPP1R13L	no errors	hORFeome V8.1 Collection	10848	PPP1R13L	NM_006663.3; NM_001142502.1	Full Length 99-100% match
ccsbBroadEn_07692	ccsbBroad304_07692		BC051321	10855	HPSE	no errors	hORFeome V8.1 Collection	10855	HPSE	NM_001098540.1; NM_006665.4	Full Length 99-100% match
ccsbBroadEn_07693	ccsbBroad304_07693		BC000428	10856	RUVBL2	no errors	hORFeome V8.1 Collection	10856	RUVBL2	NM_006666.1	Full Length 99-100% match
ccsbBroadEn_07694	ccsbBroad304_07694	454	BC022539	10858	CYP46A1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10858	CYP46A1	NM_006668.1	Full Length 99-100% match
ccsbBroadEn_07695	ccsbBroad304_07695		BC015731	10859	LILRB1	no errors	hORFeome V8.1 Collection	10859	LILRB1	NM_006669.3	Full Length 99-100% match
ccsbBroadEn_07696	ccsbBroad304_07696		BC069407	10876	EDDM3A	no errors	hORFeome V8.1 Collection	10876	EDDM3A	NM_006683.4	Full Length 99-100% match
ccsbBroadEn_07697	ccsbBroad304_07697	454	BC074957	10877	CFHR4	no errors	hORFeome V8.1 Collection	10877	CFHR4	NM_006684.2	Full Length 99-100% match
ccsbBroadEn_07698	ccsbBroad304_07698		BC033789	10880	ACTL7B	no errors	hORFeome V8.1 Collection	10880	ACTL7B	NM_006686.3	Full Length 99-100% match
ccsbBroadEn_07699	ccsbBroad304_07699		BC067473	10888	GPR83	no errors	hORFeome V8.1 Collection	10888	GPR83	NM_016540.3	Full Length 99-100% match
ccsbBroadEn_07700	ccsbBroad304_07700		BC026231	10894	LYVE1	no errors	hORFeome V8.1 Collection	10894	LYVE1	NM_006691.3	Full Length 99-100% match
ccsbBroadEn_07701	ccsbBroad304_07701		BC006194	10900	RUNDC3A	no errors	hORFeome V8.1 Collection	10900	RUNDC3A	NM_006695.4	Full Length 99-100% match
ccsbBroadEn_07702	ccsbBroad304_07702		BC100801	10917	BTNL3	no errors	hORFeome V8.1 Collection	10917	BTNL3	NM_197975.2	Full Length 99-100% match
ccsbBroadEn_07703	ccsbBroad304_07703	454	BC100800	10917	BTNL3	no errors	hORFeome V8.1 Collection	10917	BTNL3	NM_197975.2	Full Length 99-100% match
ccsbBroadEn_07704	ccsbBroad304_07704		BC010537,BC022339	10923	SUB1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10923	SUB1	NM_006713.3	Full Length 99-100% match
ccsbBroadEn_07705	ccsbBroad304_07705		BC008435	10935	PRDX3	no errors	hORFeome V8.1 Collection	10935	PRDX3	NM_006793.2	Full Length 99-100% match
ccsbBroadEn_07706	ccsbBroad304_07706		BC021691	10935	PRDX3	no errors	hORFeome V8.1 Collection	10935	PRDX3	NM_006793.2	Full Length 99-100% match
ccsbBroadEn_07707	ccsbBroad304_07707		BC002685,BC059169	10935	PRDX3	no errors	hORFeome V8.1 Collection	10935	PRDX3	NM_006793.2	Full Length 99-100% match
ccsbBroadEn_07708	ccsbBroad304_07708	454	BC104825	10938	EHD1	no errors	hORFeome V8.1 Collection	10938	EHD1	NM_006795.2	Full Length 99-100% match
ccsbBroadEn_07709	ccsbBroad304_07709	454	BC065016	10939	AFG3L2	no errors	hORFeome V8.1 Collection	10939	AFG3L2	NM_006796.2	Full Length 99-100% match
ccsbBroadEn_07710	ccsbBroad304_07710	454	BC074999	10942	PRSS21	no errors	hORFeome V8.1 Collection	10942	PRSS21	NM_006799.2	Full Length 99-100% match
ccsbBroadEn_07711	ccsbBroad304_07711		BC031210	10943	MSL3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10943	MSL3	NM_078629.3	Full Length 99-100% match
ccsbBroadEn_07712	ccsbBroad304_07712		BC011523	10946	SF3A3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10946	SF3A3	NM_006802.2	Full Length 99-100% match
ccsbBroadEn_07713	ccsbBroad304_07713		BC008747	10948	STAR3	no errors	hORFeome V8.1 Collection	10948	STAR3	NM_006804.3	Full Length 99-100% match
ccsbBroadEn_07714	ccsbBroad304_07714		BC007254	10956	OS9	no errors	hORFeome V8.1 Collection	10956	OS9	NM_001017956.2	Full Length 99-100% match
ccsbBroadEn_07715	ccsbBroad304_07715		BC025957	10959	TMED2	no errors	hORFeome V8.1 Collection	10959	TMED2	NM_006815.3	Full Length 99-100% match
ccsbBroadEn_07716	ccsbBroad304_07716		BC018039	10966	RAB40B	no errors	hORFeome V8.1 Collection	10966	RAB40B	NM_006822.2	Full Length 99-100% match
ccsbBroadEn_07717	ccsbBroad304_07717		BC004471	10974	C10orf116	no errors	hORFeome V8.1 Collection	10974	C10orf116	NM_006829.2	Full Length 99-100% match
ccsbBroadEn_07718	ccsbBroad304_07718		BC017327	10979	FERMT2	no errors	hORFeome V8.1 Collection	10979	FERMT2	NM_006832.2	Full Length 99-100% match
ccsbBroadEn_07719	ccsbBroad304_07719		BC002412	10989	IMMT	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	10989	IMMT	NM_006839.2	Full Length 99-100% match
ccsbBroadEn_07720	ccsbBroad304_07720		BC011722	10994	ILVBL	no errors	hORFeome V8.1 Collection	10994	ILVBL	NM_006844.3	Full Length 99-100% match
ccsbBroadEn_07721	ccsbBroad304_07721		BC011761	10994	ILVBL	no errors	hORFeome V8.1 Collection	10994	ILVBL	NM_006844.3	Full Length 99-100% match
ccsbBroadEn_07722	ccsbBroad304_07722		BC008764	11004	KIF2C	no errors	hORFeome V8.1 Collection	11004	KIF2C	NM_006845.3	Full Length 99-100% match
ccsbBroadEn_07723	ccsbBroad304_07723		BC026309	11006	LILRB4	no errors	hORFeome V8.1 Collection	11006	LILRB4	NM_006847.3	Full Length 99-100% match
ccsbBroadEn_07724	ccsbBroad304_07724		BC012994	11014	KDEL2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	11014	KDEL2	NM_006854.3	Full Length 99-100% match



ccsbBroadEn_07725	ccsbBroad304_07725		BC008081	11014	KDEL2	no errors	hORFeome V8.1 Collection	11014	KDEL2	NM_006854.3	Full Length 99-100% match
ccsbBroadEn_07726	ccsbBroad304_07726		BC098336	11015	KDEL3	no errors	hORFeome V8.1 Collection	11015	KDEL3	NM_016657.1	Full Length 99-100% match
ccsbBroadEn_07727	ccsbBroad304_07727		BC023635	11019	LIAS	no errors	hORFeome V8.1 Collection	11019	LIAS	NM_006859.2	Full Length 99-100% match
ccsbBroadEn_07728	ccsbBroad304_07728		BC032690	11022	TDRKH	no errors	hORFeome V8.1 Collection	11022	TDRKH	NM_006862.3; NM_001083965.1;	Full Length 99-100% match
ccsbBroadEn_07729	ccsbBroad304_07729		BC028208	11026	LILRA3	no errors	hORFeome V8.1 Collection	11026	LILRA3	NM_006865.3	Full Length 99-100% match
ccsbBroadEn_07730	ccsbBroad304_07730		BC017412,BC027916	11027	LILRA2	no errors	hORFeome V8.1 Collection	11027	LILRA2	NM_006866.2	Full Length 99-100% match
ccsbBroadEn_07731	ccsbBroad304_07731		BC033747	11033	ADAP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11033	ADAP1	NM_006869.2	Full Length 99-100% match
ccsbBroadEn_07732	ccsbBroad304_07732		BC084567	11044	PAPD7	no errors	hORFeome V8.1 Collection	11044	PAPD7	NM_006999.4	Full Length 99-100% match
ccsbBroadEn_07733	ccsbBroad304_07733		BC107098	11045	UPK1A	no errors	hORFeome V8.1 Collection	11045	UPK1A	NM_007000.2	Full Length 99-100% match
ccsbBroadEn_07734	ccsbBroad304_07734		BC017245	11047	ADRM1	no errors	hORFeome V8.1 Collection	11047	ADRM1	NM_007002.2; NM_175573.1	Full Length 99-100% match
ccsbBroadEn_07735	ccsbBroad304_07735		BC001403	11051	NUDT21	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11051	NUDT21	NM_007006.2	Full Length 99-100% match
ccsbBroadEn_07736	ccsbBroad304_07736		BC005223	11055	ZPBP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11055	ZPBP	NM_007009.2	Full Length 99-100% match
ccsbBroadEn_07737	ccsbBroad304_07737		BC041785	11056	DDX52	no errors	hORFeome V8.1 Collection	11056	DDX52	NM_007010.3	Full Length 99-100% match
ccsbBroadEn_07738	ccsbBroad304_07738		BC019248	11057	ABHD2	no errors	hORFeome V8.1 Collection	11057	ABHD2	NM_152924.4; NM_007011.7	Full Length 99-100% match
ccsbBroadEn_07739	ccsbBroad304_07739		BC013645	11060	WWP2	no errors	hORFeome V8.1 Collection	11060	WWP2	NM_007014.3	Full Length 99-100% match
ccsbBroadEn_07740	ccsbBroad304_07740		BC025659	11061	LECT1	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	11061	LECT1	NM_001011705.1	Full Length 99-100% match
ccsbBroadEn_07741	ccsbBroad304_07741		BC040183	11069	RAPGEF4	no errors	hORFeome V8.1 Collection	11069	RAPGEF4	NM_001100397.1	Full Length 99-100% match
ccsbBroadEn_07742	ccsbBroad304_07742		BC017017	11074	TRIM31	no errors	hORFeome V8.1 Collection	11074	TRIM31	NM_007028.3	Full Length 99-100% match
ccsbBroadEn_07743	ccsbBroad304_07743	454	BC152382	11076	TPPP	no errors	hORFeome V8.1 Collection	11076	TPPP	NM_007030.2	Full Length 99-100% match
ccsbBroadEn_07744	ccsbBroad304_07744		BC032667	11081	KERA	no errors	hORFeome V8.1 Collection	11081	KERA	NM_007035.3	Full Length 99-100% match
ccsbBroadEn_07745	ccsbBroad304_07745		BC028372	11085	ADAM30	no errors	hORFeome V8.1 Collection	11085	ADAM30	NM_021794.2	Full Length 99-100% match
ccsbBroadEn_07746	ccsbBroad304_07746		BC001635	11091	WDR5	no errors	hORFeome V8.1 Collection	11091	WDR5	NM_052821.3; NM_017588.2	Full Length 99-100% match
ccsbBroadEn_07747	ccsbBroad304_07747		BC030558	11094	C9orf7	no errors	hORFeome V8.1 Collection	11094	C9orf7	NM_017586.2	Full Length 99-100% match
ccsbBroadEn_07748	ccsbBroad304_07748	454	BC093775	11096	ADAMTS5	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11096	ADAMTS5	NM_007038.3	Full Length 99-100% match
ccsbBroadEn_07749	ccsbBroad304_07749		BC009988,BC014232	11100	HNRNPUL1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11100	HNRNPUL1	NM_144732.2	Full Length 99-100% match
ccsbBroadEn_07750	ccsbBroad304_07750		BC002564	11100	HNRNPUL1	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11100	HNRNPUL1	NM_007040.3	Full Length 99-100% match
ccsbBroadEn_07751	ccsbBroad304_07751		BC016778	11103	KRR1	no errors	hORFeome V8.1 Collection	11103	KRR1	NM_007043.6	Full Length 99-100% match
ccsbBroadEn_07752	ccsbBroad304_07752		BC026107	11103	KRR1	no errors	hORFeome V8.1 Collection	11103	KRR1	NM_007043.6	Full Length 99-100% match
ccsbBroadEn_07753	ccsbBroad304_07753		BC033887	11103	KRR1	no errors	hORFeome V8.1 Collection	11103	KRR1	NM_007043.6	Full Length 99-100% match
ccsbBroadEn_07754	ccsbBroad304_07754		BC011902	11116	FGFR1OP	no errors	hORFeome V8.1 Collection	11116	FGFR1OP	NM_194429.1	Full Length 99-100% match
ccsbBroadEn_07755	ccsbBroad304_07755		BC121800	11119	BTN3A1	no errors	hORFeome V8.1 Collection	11119	BTN3A1	NM_007048.5	Full Length 99-100% match
ccsbBroadEn_07756	ccsbBroad304_07756		BC035854	11123	RCAN3	no errors	hORFeome V8.1 Collection	11123	RCAN3	NM_013441.2	Full Length 99-100% match
ccsbBroadEn_07757	ccsbBroad304_07757		BC020979	11130	ZWINT	no errors	hORFeome V8.1 Collection	11130	ZWINT	NM_032997.2; NM_007057.3	Full Length 99-100% match
ccsbBroadEn_07758	ccsbBroad304_07758		BC009249	11133	KPTN	no errors	hORFeome V8.1 Collection	11133	KPTN	NM_007059.2	Full Length 99-100% match
ccsbBroadEn_07759	ccsbBroad304_07759		BC001652	11137	PWP1	no errors	hORFeome V8.1 Collection	11137	PWP1	NM_007062.1	Full Length 99-100% match
ccsbBroadEn_07760	ccsbBroad304_07760		BC032640	11143	MYST2	no errors	hORFeome V8.1 Collection	11143	MYST2	NM_007067.4	Full Length 99-100% match
ccsbBroadEn_07761	ccsbBroad304_07761		BC126385,BC126387	11151	CORO1A	no errors	hORFeome V8.1 Collection	11151	CORO1A	NM_007074.3; NM_001193333.2	Full Length 99-100% match
ccsbBroadEn_07762	ccsbBroad304_07762		BC010929	11155	LDB3	no errors	hORFeome V8.1 Collection	11155	LDB3	NM_001080116.1	Full Length 99-100% match
ccsbBroadEn_07763	ccsbBroad304_07763		BC009842	11162	NUDT6	no errors	hORFeome V8.1 Collection	11162	NUDT6	NM_007083.3	Full Length 99-100% match
ccsbBroadEn_07764	ccsbBroad304_07764		BC013740	11182	SLC2A6	no errors	hORFeome V8.1 Collection	11182	SLC2A6	NM_017585.3	Full Length 99-100% match
ccsbBroadEn_07765	ccsbBroad304_07765		BC106903	11185	INMT	no errors	hORFeome V8.1 Collection	11185	INMT	NM_006774.4	Full Length 99-100% match
ccsbBroadEn_07766	ccsbBroad304_07766		BC117153	11186	RASSF1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11186	RASSF1	NM_007182.4	Full Length 99-100% match
ccsbBroadEn_07767	ccsbBroad304_07767		BC000081	11187	PKP3	no errors	hORFeome V8.1 Collection	11187	PKP3	NM_007183.2	Full Length 99-100% match
ccsbBroadEn_07768	ccsbBroad304_07768	454	BC056900	11188	NISCH	no errors	hORFeome V8.1 Collection	11188	NISCH	NM_007184.3	Full Length 99-100% match
ccsbBroadEn_07769	ccsbBroad304_07769		BC018037	11197	WIF1	no errors	hORFeome V8.1 Collection	11197	WIF1	NM_007191.4	Full Length 99-100% match
ccsbBroadEn_07770	ccsbBroad304_07770		BC040887	11202	KLK8	no errors	hORFeome V8.1 Collection	11202	KLK8	NM_007196.2	Full Length 99-100% match
ccsbBroadEn_07771	ccsbBroad304_07771		BC012334	11212	PROSC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11212	PROSC	NM_007198.3	Full Length 99-100% match
ccsbBroadEn_07772	ccsbBroad304_07772		BC057800	11213	IRAK3	no errors	hORFeome V8.1 Collection	11213	IRAK3	NM_007199.2	Full Length 99-100% match
ccsbBroadEn_07773	ccsbBroad304_07773		BC031062	11218	DDX20	no errors	hORFeome V8.1 Collection	11218	DDX20	NM_007204.4	Full Length 99-100% match
ccsbBroadEn_07774	ccsbBroad304_07774		BC063826	11221	DUSP10	no errors	hORFeome V8.1 Collection	11221	DUSP10	NM_007207.3	Full Length 99-100% match
ccsbBroadEn_07775	ccsbBroad304_07775		BC010919	11224	RPL35	no errors	hORFeome V8.1 Collection	11224	RPL35	NM_007209.3	Full Length 99-100% match
ccsbBroadEn_07776	ccsbBroad304_07776		BC035822	11226	GALNT6	1 synonymous error	hORFeome V8.1 Collection	11226	GALNT6	NM_007210.3	Full Length 99-100% match
ccsbBroadEn_07777	ccsbBroad304_07777		BC114505	11226	GALNT6	no errors	hORFeome V8.1 Collection	11226	GALNT6	NM_007210.3	Full Length 99-100% match
ccsbBroadEn_07778	Failed LR reaction		BC047221	11231	SEC63	no errors	hORFeome V8.1 Collection	11231	SEC63	NM_007214.4	Full Length 99-100% match
ccsbBroadEn_07779	ccsbBroad304_07779		BC048287	11231	SEC63	no errors	hORFeome V8.1 Collection	11231	SEC63	NM_007214.4	Full Length 99-100% match
ccsbBroadEn_07780	ccsbBroad304_07780		BC009194	11232	POLG2	no errors	hORFeome V8.1 Collection	11232	POLG2	NM_007215.3	Full Length 99-100% match
ccsbBroadEn_07781	ccsbBroad304_07781		BC033640	11234	HPS5	no errors	hORFeome V8.1 Collection	11234	HPS5	NM_007216.3; NM_181508.1	Full Length 99-100% match
ccsbBroadEn_07782	ccsbBroad304_07782		BC021571	11236	RNF139	no errors	hORFeome V8.1 Collection	11236	RNF139	NM_007218.3	Full Length 99-100% match
ccsbBroadEn_07783	ccsbBroad304_07783		BC033656	11243	PMF1	no errors	hORFeome V8.1 Collection	100527963	PMF1-BGLAP	NM_001199663.1	Full Length 99-100% match
ccsbBroadEn_07784	ccsbBroad304_07784		BC065031	11243	PMF1	no errors	hORFeome V8.1 Collection	11243	PMF1	NM_007221.3	Full Length 99-100% match
ccsbBroadEn_07785	ccsbBroad304_07785		BC022541	11248	NXPH3	no errors	hORFeome V8.1 Collection	11248	NXPH3	NM_007225.2	Full Length 99-100% match
ccsbBroadEn_07786	ccsbBroad304_07786		BC101461	11249	NXPH2	no errors	hORFeome V8.1 Collection	11249	NXPH2	NM_007226.2	Full Length 99-100% match
ccsbBroadEn_07787	ccsbBroad304_07787		BC002953	11253	MAN1B1	no errors	hORFeome V8.1 Collection	11253	MAN1B1	NM_016219.3	Full Length 99-100% match
ccsbBroadEn_07788	ccsbBroad304_07788		BC006079	11253	MAN1B1	no errors	hORFeome V8.1 Collection	11253	MAN1B1	NM_016219.3	Full Length 99-100% match
ccsbBroadEn_07789	ccsbBroad304_07789		BC001147	11264	PXMP4	no errors	hORFeome V8.1 Collection	11264	PXMP4	NM_007238.4	Full Length 99-100% match
ccsbBroadEn_07790	ccsbBroad304_07790		BC008976	11267	SNF8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	11267	SNF8	NM_007241.2	Full Length 99-100% match
ccsbBroadEn_07791	ccsbBroad304_07791	454	BC058035	11272	PRR4	no errors	hORFeome V8.1 Collection	11272	PRR4	NM_007244.2	Full Length 99-100% match
ccsbBroadEn_07792	ccsbBroad304_07792		BC036468	11275	KLHL2	no errors	hORFeome V8.1 Collection	11275	KLHL2	NM_007246.3	Full Length 99-100% match
ccsbBroadEn_07793	ccsbBroad304_07793		BC019680	11278	KLF12	no errors	hORFeome V8.1 Collection	11278	KLF12	NM_007249.4	Full Length 99-100% match
ccsbBroadEn_07794	ccsbBroad304_07794		BC007317,BC062983	11285	B4GALT7	no errors	hORFeome V8.1 Collection	11285	B4GALT7	NM_007255.2	Full Length 99-100% match
ccsbBroadEn_07795	ccsbBroad304_07795	454	BC041095	11309	SLCO2B1	1 synonymous error	hORFeome V8.1 Collection	11309	SLCO2B1	NM_001145211.2; NM_007256.4	Full Length 99-100% match
ccsbBroadEn_07796	ccsbBroad304_07796		BC032352	11314	CD300A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	11314	CD300A	NM_007261.2	Full Length 99-100% match
ccsbBroadEn_07797	ccsbBroad304_07797		BC003155,BC017285	11316	COPE	no errors	hORFeome V8.1 Collection	11316	COPE	NM_007263.3	Full Length 99-100% match
ccsbBroadEn_07798	ccsbBroad304_07798	454	BC064569	11336	EXOC3	no errors	hORFeome V8.1 Collection	11336	EXOC3	NM_007277.4	Full Length 99-100% match
ccsbBroadEn_07799	ccsbBroad304_07799		BC008740	11338	U2AF2	1 synonymous error	hORFeome V8.1 Collection	11338	U2AF2	NM_001012478.1	Full Length 99-100% match
ccsbBroadEn_07800	ccsbBroad304_07800		BC020773	11340	EXOSC8	no errors	hORFeome V8.1 Collection	11340	EXOSC8	NM_181503.2	Full Length 99-100% match
ccsbBroadEn_07801	ccsbBroad304_07801		BC009781,BC009803	11342	RNF13	no errors	hORFeome V8.1 Collection	11342	RNF13	NM_007282.4; NM_183381.2	Full Length 99-100% match
ccsbBroadEn_07802	ccsbBroad304_07802		BC016452	11344	TWF2	no errors	hORFeome V8.1 Collection	11344	TWF2	NM_007284.3	Full Length 99-100% match
ccsbBroadEn_07803	ccsbBroad304_07803	454	BC038456,BC047242	22821	RASA3	no errors	hORFeome V8.1 Collection	22821	RASA3	NM_007368.2	Full Length 99-100% match
ccsbBroadEn_07804	ccsbBroad304_07804	454	BC033159	22826	DNAJC8	no errors	hORFeome V8.1 Collection	22826	DNAJC8	NM_014280.2	Full Length 99-100% match
ccsbBroadEn_07805	ccsbBroad304_07805		BC070071	22828	SCAF8	no errors	hORFeome V8.1 Collection	22828	SCAF8	NM_014892.3	Full Length 99-100% match
ccsbBroadEn_07806	ccsbBroad304_07806		BC041337	22836	RHOBTB3	no errors	hORFeome V8.1 Collection	22836	RHOBTB3	NM_014899.3	Full Length 99-100% match
ccsbBroadEn_07807	ccsbBroad304_07807	454	BC039833	22838	RNF44	no errors	hORFeome V8.1 Collection	22838	RNF44	NM_014901.4	Full Length 99-100% match



ccsbBroadEn_07808	ccsbBroad304_07808	454	BC075073	22841	RAB11FIP2	no errors	hORFeome V8.1 Collection	22841	RAB11FIP2	NM_014904.2	Full Length 99-100% match
ccsbBroadEn_07809	ccsbBroad304_07809	454	BC109089	22863	ATG14	no errors	hORFeome V8.1 Collection	22863	ATG14	NM_014924.3	Full Length 99-100% match
ccsbBroadEn_07810	ccsbBroad304_07810	454	BC024277	22879	MON1B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	22879	MON1B	NM_014940.2	Full Length 99-100% match
ccsbBroadEn_07811	ccsbBroad304_07811		BC019257	22880	MORC2	no errors	hORFeome V8.1 Collection	22880	MORC2	NM_014941.1	Full Length 99-100% match
ccsbBroadEn_07812	ccsbBroad304_07812		BC017259	22895	RPH3A	no errors	hORFeome V8.1 Collection	22895	RPH3A	NM_014954.3	Full Length 99-100% match
ccsbBroadEn_07813	ccsbBroad304_07813		BC056891	22900	CARD8	no errors	hORFeome V8.1 Collection	22900	CARD8	NM_001184902.1; NM_001184903.1	Full Length 99-100% match
ccsbBroadEn_07814	ccsbBroad304_07814		BC016559	22908	SACM1L	no errors	hORFeome V8.1 Collection	22908	SACM1L	NM_014016.3	Full Length 99-100% match
ccsbBroadEn_07815	ccsbBroad304_07815		BC034964	22911	WDR47	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	22911	WDR47	NM_014969.5	Full Length 99-100% match
ccsbBroadEn_07816	ccsbBroad304_07816	454	BC039836	22914	KLRK1	no errors	hORFeome V8.1 Collection	22914; 100528032	KLRK1; KLRC4-KLRK1	NM_007360.3; NM_001199805.1	Full Length 99-100% match
ccsbBroadEn_07817	ccsbBroad304_07817		BC063848	22915	MMRN1	no errors	hORFeome V8.1 Collection	22915	MMRN1	NM_007351.2	Full Length 99-100% match
ccsbBroadEn_07818	ccsbBroad304_07818		BC028679	22920	KIFAP3	no errors	hORFeome V8.1 Collection	22920	KIFAP3	NM_014970.2	Full Length 99-100% match
ccsbBroadEn_07819	ccsbBroad304_07819		BC063816	22929	SEPHS1	no errors	hORFeome V8.1 Collection	22929	SEPHS1	NM_012247.4	Full Length 99-100% match
ccsbBroadEn_07820	ccsbBroad304_07820		BC108903	22938	SNW1	no errors	hORFeome V8.1 Collection	22938	SNW1	NM_012245.2	Full Length 99-100% match
ccsbBroadEn_07821	ccsbBroad304_07821		BC006543,BC035499	22948	CCT5	no errors	hORFeome V8.1 Collection	22948	CCT5	NM_012073.3	Full Length 99-100% match
ccsbBroadEn_07822	ccsbBroad304_07822		BC025709	22977	AKR7A3	no errors	hORFeome V8.1 Collection	22977	AKR7A3	NM_012067.2	Full Length 99-100% match
ccsbBroadEn_07823	ccsbBroad304_07823		BC031562	22977	AKR7A3	no errors	hORFeome V8.1 Collection	22977	AKR7A3	NM_012067.2	Full Length 99-100% match
ccsbBroadEn_07824	ccsbBroad304_07824		BC009349	22980	TCF25	no errors	hORFeome V8.1 Collection	22980	TCF25	NM_014972.2	Full Length 99-100% match
ccsbBroadEn_07825	ccsbBroad304_07825	454	BC100824	22987	SV2C	no errors	hORFeome V8.1 Collection	22987	SV2C	NM_014979.1	Full Length 99-100% match
ccsbBroadEn_07826	ccsbBroad304_07826	454	BC036464	23008	KLHDC10	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23008	KLHDC10	NM_014997.3	Full Length 99-100% match
ccsbBroadEn_07827	ccsbBroad304_07827		BC028603	23012	STK38L	no errors	hORFeome V8.1 Collection	23012	STK38L	NM_015000.3	Full Length 99-100% match
ccsbBroadEn_07828	ccsbBroad304_07828	454	BC104800	23015	GOLGA8A	no errors	hORFeome V8.1 Collection	23015; 440270	GOLGA8A; GOLGA8B	NM_181077.3; NM_001023567.4	Full Length 99-100% match
ccsbBroadEn_07829	ccsbBroad304_07829		BC012831	23016	EXOSC7	no errors	hORFeome V8.1 Collection	23016	EXOSC7	NM_015004.3	Full Length 99-100% match
ccsbBroadEn_07830	ccsbBroad304_07830		BC039859	23023	TMCC1	no errors	hORFeome V8.1 Collection	23023	TMCC1	NM_001017395.3	Full Length 99-100% match
ccsbBroadEn_07831	ccsbBroad304_07831		BC121173	23034	SAMD4A	no errors	hORFeome V8.1 Collection	23034	SAMD4A	NM_001161576.1	Full Length 99-100% match
ccsbBroadEn_07832	ccsbBroad304_07832		BC030785	23039	XPO7	no errors	hORFeome V8.1 Collection	23039	XPO7	NM_015024.4	Full Length 99-100% match
ccsbBroadEn_07833	ccsbBroad304_07833	454	BC026191,BC071171	23052	ENDOD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23052	ENDOD1	NM_015036.2	Full Length 99-100% match
ccsbBroadEn_07834	ccsbBroad304_07834		BC000284	23062	GGA2	no errors	hORFeome V8.1 Collection	23062	GGA2	NM_015044.4	Full Length 99-100% match
ccsbBroadEn_07835	ccsbBroad304_07835		BC112315	23090	ZNF423	no errors	hORFeome V8.1 Collection	23090	ZNF423	NM_015069.2	Full Length 99-100% match
ccsbBroadEn_07836	ccsbBroad304_07836		BC068555	23092	ARHGAP26	no errors	hORFeome V8.1 Collection	23092	ARHGAP26	NM_001135608.1	Full Length 99-100% match
ccsbBroadEn_07837	ccsbBroad304_07837	454	BC150620	23094	SIPA1L3	no errors	hORFeome V8.1 Collection	23094	SIPA1L3	NM_015073.1	Full Length 99-100% match
ccsbBroadEn_07838	ccsbBroad304_07838		BC008828	23099	ZBTB43	no errors	hORFeome V8.1 Collection	23099	ZBTB43	NM_014007.3; NM_001135776.1	Full Length 99-100% match
ccsbBroadEn_07839	ccsbBroad304_07839		BC047083	23111	SPG20	no errors	hORFeome V8.1 Collection	23111	SPG20	NM_001142294.1; NM_001142295.1; NM_001142296.1;	Full Length 99-100% match
ccsbBroadEn_07840	ccsbBroad304_07840	454	BC043157	23141	ANKLE2	no errors	hORFeome V8.1 Collection	23141	ANKLE2	NM_015114.1	Full Length 99-100% match
ccsbBroadEn_07841	ccsbBroad304_07841		BC117472	23143	LRCH1	no errors	hORFeome V8.1 Collection	23143	LRCH1	NM_001164211.1	Full Length 99-100% match
ccsbBroadEn_07842	ccsbBroad304_07842		BC028021	23149	FCHO1	no errors	hORFeome V8.1 Collection	23149	FCHO1	NM_001161357.1	Full Length 99-100% match
ccsbBroadEn_07843	ccsbBroad304_07843	454	BC041130	23149	FCHO1	no errors	hORFeome V8.1 Collection	23149	FCHO1	NM_015122.2; NM_001161358.1	Full Length 99-100% match
ccsbBroadEn_07844	ccsbBroad304_07844		BC002939	23155	CLCC1	no errors	hORFeome V8.1 Collection	23155	CLCC1	NM_015127.3	Full Length 99-100% match
ccsbBroadEn_07845	ccsbBroad304_07845	454	BC146758	23158	TBC1D9	no errors	hORFeome V8.1 Collection	23158	TBC1D9	NM_015130.2	Full Length 99-100% match
ccsbBroadEn_07846	ccsbBroad304_07846	454	BC150266	23162	MAPK8IP3	no errors	hORFeome V8.1 Collection	23162	MAPK8IP3	NM_015133.3	Full Length 99-100% match
ccsbBroadEn_07847	ccsbBroad304_07847	454	BC101478	23174	ZCCHC14	no errors	hORFeome V8.1 Collection	23174	ZCCHC14	NM_015144.2	Full Length 99-100% match
ccsbBroadEn_07848	ccsbBroad304_07848		BC038443	23181	DIP2A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23181	DIP2A	NM_206889.2	Full Length 99-100% match
ccsbBroadEn_07849	ccsbBroad304_07849	454	BC037495	23189	KANK1	no errors	hORFeome V8.1 Collection	23189	KANK1	NM_015158.2	Full Length 99-100% match
ccsbBroadEn_07850	ccsbBroad304_07850		BC005097	23191	CYFIP1	no errors	hORFeome V8.1 Collection	23191	CYFIP1	NM_014608.2	Full Length 99-100% match
ccsbBroadEn_07851	ccsbBroad304_07851	454	BC098584	23196	FAM120A	1 synonymous error	hORFeome V8.1 Collection	23196	FAM120A	NM_014612.3	Full Length 99-100% match
ccsbBroadEn_07852	ccsbBroad304_07852		BC037556	23199	KIAA0182	no errors	hORFeome V8.1 Collection	23199	KIAA0182	NM_001134473.1	Full Length 99-100% match
ccsbBroadEn_07853	ccsbBroad304_07853	454	BC111399	23203	PMPCA	no errors	hORFeome V8.1 Collection	23203	PMPCA	NM_015160.1	Full Length 99-100% match
ccsbBroadEn_07854	ccsbBroad304_07854		BC009289	23205	ACSBG1	no errors	hORFeome V8.1 Collection	23205	ACSBG1	NM_015162.4	Full Length 99-100% match
ccsbBroadEn_07855	ccsbBroad304_07855		BC039205	23208	SYT11	no errors	hORFeome V8.1 Collection	23208	SYT11	NM_152280.4	Full Length 99-100% match
ccsbBroadEn_07856	ccsbBroad304_07856		BC028425	23209	MLC1	no errors	hORFeome V8.1 Collection	23209	MLC1	NM_015166.3; NM_139202.2	Full Length 99-100% match
ccsbBroadEn_07857	ccsbBroad304_07857	454	BC034917	23221	RHOBTB2	no errors	hORFeome V8.1 Collection	23221	RHOBTB2	NM_015178.2	Full Length 99-100% match
ccsbBroadEn_07858	ccsbBroad304_07858		BC036392	23228	PLCL2	no errors	hORFeome V8.1 Collection	23228	PLCL2	NM_015184.5	Full Length 99-100% match
ccsbBroadEn_07859	ccsbBroad304_07859		BC069420	23236	PLCB1	no errors	hORFeome V8.1 Collection	23236	PLCB1	NM_015192.2	Full Length 99-100% match
ccsbBroadEn_07860	ccsbBroad304_07860		BC012321	23237	ARC	no errors	hORFeome V8.1 Collection	23237	ARC	NM_015193.3	Full Length 99-100% match
ccsbBroadEn_07861	ccsbBroad304_07861	454	BC150263	23242	COBL	no errors	hORFeome V8.1 Collection	23242	COBL	NM_015198.3	Full Length 99-100% match
ccsbBroadEn_07862	ccsbBroad304_07862		BC029272	23245	ASTN2	no errors	hORFeome V8.1 Collection	23245	ASTN2	NM_198186.3	Full Length 99-100% match
ccsbBroadEn_07863	ccsbBroad304_07863		BC028239	23283	CSTF2T	no errors	hORFeome V8.1 Collection	23283	CSTF2T	NM_015235.2	Full Length 99-100% match
ccsbBroadEn_07864	ccsbBroad304_07864		BC009975	23302	WSCD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23302	WSCD1	NM_015253.1	Full Length 99-100% match
ccsbBroadEn_07865	ccsbBroad304_07865		BC064512	23304	UBR2	no errors	hORFeome V8.1 Collection	23304	UBR2	NM_001184801.1	Full Length 99-100% match
ccsbBroadEn_07866	ccsbBroad304_07866	454	BC112213	23315	SLC9A8	no errors	hORFeome V8.1 Collection	23315	SLC9A8	NM_015266.1	Full Length 99-100% match
ccsbBroadEn_07867	ccsbBroad304_07867		BC131734	23318	ZCCHC11	no errors	hORFeome V8.1 Collection	23318	ZCCHC11	NM_001009881.2	Full Length 99-100% match
ccsbBroadEn_07868	ccsbBroad304_07868	454	BC094773	23324	MAN2B2	early stop codon	hORFeome V8.1 Mutant Subcollection	23324	MAN2B2	NM_015274.1	Full Length 99-100% match
ccsbBroadEn_07869	ccsbBroad304_07869		BC013613	23353	SUN1	no errors	hORFeome V8.1 Collection	23353	SUN1	NM_0011171946.1	Full Length 99-100% match
ccsbBroadEn_07870	ccsbBroad304_07870	454	BC028714	23357	ANGEL1	no errors	hORFeome V8.1 Collection	23357	ANGEL1	NM_015305.3	Full Length 99-100% match
ccsbBroadEn_07871	ccsbBroad304_07871		BC001460	23367	LARP1	no errors	hORFeome V8.1 Collection	23367	LARP1	NM_015315.3	Full Length 99-100% match
ccsbBroadEn_07872	ccsbBroad304_07872		BC028050	23373	CRTC1	no errors	hORFeome V8.1 Collection	23373	CRTC1	NM_015321.2	Full Length 99-100% match
ccsbBroadEn_07873	ccsbBroad304_07873		BC036379	23376	KIAA0776	no errors	hORFeome V8.1 Collection	23376	KIAA0776	NM_015323.4	Full Length 99-100% match
ccsbBroadEn_07874	ccsbBroad304_07874	454	BC038296	23381	SMG5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23381	SMG5	NM_015327.2	Full Length 99-100% match
ccsbBroadEn_07875	ccsbBroad304_07875	454	BC136471	23384	SPECC1L	no errors	hORFeome V8.1 Collection	23384	SPECC1L	NM_015330.2; NM_001145468.1	Full Length 99-100% match
ccsbBroadEn_07876	ccsbBroad304_07876		BC025989	23395	LARS2	no errors	hORFeome V8.1 Collection	23395	LARS2	NM_015340.3	Full Length 99-100% match
ccsbBroadEn_07877	ccsbBroad304_07877		BC015385	23398	PPWD1	no errors	hORFeome V8.1 Collection	23398	PPWD1	NM_015342.2	Full Length 99-100% match
ccsbBroadEn_07878	ccsbBroad304_07878		BC009295	23399	CTDNEP1	no errors	hORFeome V8.1 Collection	23399	CTDNEP1	NM_015343.4; NM_001143775.1	Full Length 99-100% match
ccsbBroadEn_07879	ccsbBroad304_07879		BC010039,BC016702	23406	COTL1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23406	COTL1	NM_021149.2	Full Length 99-100% match
ccsbBroadEn_07880	ccsbBroad304_07880		BC000126	23408	SIRT5	no errors	hORFeome V8.1 Collection	23408	SIRT5	NM_012241.3	Full Length 99-100% match
ccsbBroadEn_07881	ccsbBroad304_07881		BC004856	23413	NCS1	no errors	hORFeome V8.1 Collection	23413	NCS1	NM_014286.3	Full Length 99-100% match
ccsbBroadEn_07882	ccsbBroad304_07882		BC115393	23426	GRIP1	no errors	hORFeome V8.1 Collection	23426	GRIP1	NM_021150.3	Full Length 99-100% match
ccsbBroadEn_07883	ccsbBroad304_07883		BC052250	23428	SLC7A8	no errors	hORFeome V8.1 Collection	23428	SLC7A8	NM_012244.2	Full Length 99-100% match
ccsbBroadEn_07884	ccsbBroad304_07884		BC014959	23429	RYBP	no errors	hORFeome V8.1 Collection	23429	RYBP	NM_012234.5	Full Length 99-100% match
ccsbBroadEn_07885	ccsbBroad304_07885		BC036459	23429	RYBP	no errors	hORFeome V8.1 Collection	23429	RYBP	NM_012234.5	Full Length 99-100% match
ccsbBroadEn_07886	ccsbBroad304_07886		BC005216	23436	CELA3B	no errors	hORFeome V8.1 Collection	23436	CELA3B	NM_007352.2	Full Length 99-100% match
ccsbBroadEn_07887	ccsbBroad304_07887		BC014457	23464	GCAT	no errors	hORFeome V8.1 Collection	23464	GCAT	NM_014291.3	Full Length 99-100% match
ccsbBroadEn_07888	ccsbBroad304_07888		BC012111	23466	CBX6	no errors	hORFeome V8.1 Collection	23466	CBX6	NM_014292.3	Full Length 99-100% match
ccsbBroadEn_07889	ccsbBroad304_07889		BC005060	23475	QPRT	no errors	hORFeome V8.1 Collection	23475	QPRT	NM_014298.3	Full Length 99-100% match



ccsbBroadEn_07890	ccsbBroad304_07890		BC051773	23492	CBX7	no errors	hORFeome V8.1 Collection	23492	CBX7	NM_175709.3	Full Length 99-100% match
ccsbBroadEn_07891	ccsbBroad304_07891		BC029510	23498	HA AO	no errors	hORFeome V8.1 Collection	23498	HA AO	NM_012205.2	Full Length 99-100% match
ccsbBroadEn_07892	ccsbBroad304_07892		BC030607	23507	LRR C8B	1 synonymous error	hORFeome V8.1 Collection	23507	LRR C8B	NM_015350.2; NM_001134476.1	Full Length 99-100% match
ccsbBroadEn_07893	ccsbBroad304_07893	454	BC094779	23515	MOR C3	1 synonymous error	hORFeome V8.1 Collection	23515	MOR C3	NM_015358.2	Full Length 99-100% match
ccsbBroadEn_07894	ccsbBroad304_07894	454	BC028604	23517	SKIV2L2	no errors	hORFeome V8.1 Collection	23517	SKIV2L2	NM_015360.4	Full Length 99-100% match
ccsbBroadEn_07895	ccsbBroad304_07895		BC070223	23521	RPL13A	no errors	hORFeome V8.1 Collection	23521	RPL13A	NM_012423.2	Full Length 99-100% match
ccsbBroadEn_07896	ccsbBroad304_07896		BC022008	23532	PRAME	no errors	hORFeome V8.1 Collection	23532	PRAME	NM_006115.3; NM_206953.1; NM_206954.1; NM_206955.1; NM_206956.1	Full Length 99-100% match
ccsbBroadEn_07897	ccsbBroad304_07897		BC068531	23545	ATP6V0A2	no errors	hORFeome V8.1 Collection	23545	ATP6V0A2	NM_012463.3	Full Length 99-100% match
ccsbBroadEn_07898	ccsbBroad304_07898		BC002655	23552	CDK20	no errors	hORFeome V8.1 Collection	23552	CDK20	NM_001170639.1	Full Length 99-100% match
ccsbBroadEn_07899	ccsbBroad304_07899	454	BC104790	23553	HYAL4	1 synonymous error	hORFeome V8.1 Collection	23553	HYAL4	NM_012269.2	Full Length 99-100% match
ccsbBroadEn_07900	ccsbBroad304_07900		BC031265	23554	TSPAN12	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23554	TSPAN12	NM_012338.3	Full Length 99-100% match
ccsbBroadEn_07901	ccsbBroad304_07901		BC003157	23555	TSPAN15	no errors	hORFeome V8.1 Collection	23555	TSPAN15	NM_012339.3	Full Length 99-100% match
ccsbBroadEn_07902	ccsbBroad304_07902		BC028363	23556	PIGN	no errors	hORFeome V8.1 Collection	23556	PIGN	NM_176787.4; NM_012327.5	Full Length 99-100% match
ccsbBroadEn_07903	ccsbBroad304_07903	454	BC000761,BC004494	23557	SNAPIN	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23557	SNAPIN	NM_012437.4	Full Length 99-100% match
ccsbBroadEn_07904	ccsbBroad304_07904		BC007452,BC010616	23558	WBP2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	23558	WBP2	NM_012478.3	Full Length 99-100% match
ccsbBroadEn_07905	Failed LR reaction		BC038975	23560	GTPBP4	no errors	hORFeome V8.1 Collection	23560	GTPBP4	NM_012341.2	Full Length 99-100% match
ccsbBroadEn_07906	ccsbBroad304_07906		BC001435	23564	DDAH2	no errors	hORFeome V8.1 Collection	23564	DDAH2	NM_013974.1	Full Length 99-100% match
ccsbBroadEn_07907	ccsbBroad304_07907		BC126268,BC126270	23566	LPAR3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	23566	LPAR3	NM_012152.2	Full Length 99-100% match
ccsbBroadEn_07908	ccsbBroad304_07908		BC025718	23569	PADI4	no errors	hORFeome V8.1 Collection	23569	PADI4	NM_012387.2	Full Length 99-100% match
ccsbBroadEn_07909	ccsbBroad304_07909		BC010451	23580	CDC42EP4	no errors	hORFeome V8.1 Collection	23580	CDC42EP4	NM_012121.4	Full Length 99-100% match
ccsbBroadEn_07910	ccsbBroad304_07910		BC024192	23588	KLHDC2	no errors	hORFeome V8.1 Collection	23588	KLHDC2	NM_014315.2	Full Length 99-100% match
ccsbBroadEn_07911	ccsbBroad304_07911		BC003366	23589	CARHSP1	no errors	hORFeome V8.1 Collection	23589	CARHSP1	NM_014316.2; NM_001042476.1	Full Length 99-100% match
ccsbBroadEn_07912	ccsbBroad304_07912		BC008205,BC010290	23593	HEBP2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23593	HEBP2	NM_014320.2	Full Length 99-100% match
ccsbBroadEn_07913	ccsbBroad304_07913	454	BC021091	23598	PATZ1	1 synonymous error	hORFeome V8.1 Collection	23598	PATZ1	NM_032051.1	Full Length 99-100% match
ccsbBroadEn_07914	ccsbBroad304_07914		BC009471	23600	AMACR	no errors	hORFeome V8.1 Collection	23600	AMACR	NM_203382.2	Full Length 99-100% match
ccsbBroadEn_07915	ccsbBroad304_07915		BC015715	23609	MKRN2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23609	MKRN2	NM_014160.3	Full Length 99-100% match
ccsbBroadEn_07916	ccsbBroad304_07916	454	BC037781	23617	TSSK2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23617	TSSK2	NM_053006.4	Full Length 99-100% match
ccsbBroadEn_07917	ccsbBroad304_07917	454	BC104878	23619	ZIM2	no errors	hORFeome V8.1 Collection	23619	ZIM2	NM_015363.4; NM_001146326.1; NM_001146327.1	Full Length 99-100% match
ccsbBroadEn_07918	ccsbBroad304_07918		BC028915	23624	CBLC	no errors	hORFeome V8.1 Collection	23624	CBLC	NM_012116.3	Full Length 99-100% match
ccsbBroadEn_07919	ccsbBroad304_07919		BC043644	23627	PRND	no errors	hORFeome V8.1 Collection	23627	PRND	NM_012409.2	Full Length 99-100% match
ccsbBroadEn_07920	ccsbBroad304_07920		BC003663	23636	NUP62	no errors	hORFeome V8.1 Collection	23636	NUP62	NM_016553.4; NM_153719.3; NM_153718.3; NM_012346.4; NM_001193357.1	Full Length 99-100% match
ccsbBroadEn_07921	ccsbBroad304_07921		BC050717	23636	NUP62	no errors	hORFeome V8.1 Collection	23636	NUP62	NM_016553.4; NM_153719.3; NM_153718.3; NM_012346.4; NM_001193357.1	Full Length 99-100% match
ccsbBroadEn_07922	ccsbBroad304_07922		BC017352	23650	TRIM29	no errors	hORFeome V8.1 Collection	23650	TRIM29	NM_012101.3	Full Length 99-100% match
ccsbBroadEn_07923	ccsbBroad304_07923		BC005938	23658	LSM5	no errors	hORFeome V8.1 Collection	23658	LSM5	NM_012322.2	Full Length 99-100% match
ccsbBroadEn_07924	ccsbBroad304_07924		BC030790	23660	ZKSCAN5	no errors	hORFeome V8.1 Collection	23660	ZKSCAN5	NM_014569.3; NM_145102.2	Full Length 99-100% match
ccsbBroadEn_07925	ccsbBroad304_07925	454	BC146780	23670	TMEM2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23670	TMEM2	NM_013390.2	Full Length 99-100% match
ccsbBroadEn_07926	ccsbBroad304_07926		BC014429	23704	KCNE4	no errors	hORFeome V8.1 Collection	23704	KCNE4	NM_080671.2	Full Length 99-100% match
ccsbBroadEn_07927	ccsbBroad304_07927		BC036077	23708	GSPT2	no errors	hORFeome V8.1 Collection	23708	GSPT2	NM_018094.4	Full Length 99-100% match
ccsbBroadEn_07928	ccsbBroad304_07928		BC012055	23746	AIPL1	no errors	hORFeome V8.1 Collection	23746	AIPL1	NM_014336.3	Full Length 99-100% match
ccsbBroadEn_07929	ccsbBroad304_07929		BC000022	23759	PPIL2	no errors	hORFeome V8.1 Collection	23759	PPIL2	NM_148176.2	Full Length 99-100% match
ccsbBroadEn_07930	ccsbBroad304_07930		BC028385	23759	PPIL2	no errors	hORFeome V8.1 Collection	23759	PPIL2	NM_014337.3; NM_148175.2	Full Length 99-100% match
ccsbBroadEn_07931	ccsbBroad304_07931		BC018370	23769	FLRT1	no errors	hORFeome V8.1 Collection	23769	FLRT1	NM_013280.4	Full Length 99-100% match
ccsbBroadEn_07932	ccsbBroad304_07932	454	BC048280	23779	ARHGAP8	no errors	hORFeome V8.1 Collection	23779	ARHGAP8	NM_181335.2	Full Length 99-100% match
ccsbBroadEn_07933	ccsbBroad304_07933		BC004395	23780	APOL2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	23780	APOL2	NM_030882.2; NM_145637.1	Full Length 99-100% match
ccsbBroadEn_07934	Failed LR reaction		BC007658	23786	BCL2L13	no errors	hORFeome V8.1 Collection	23786	BCL2L13	NM_015367.2	Full Length 99-100% match
ccsbBroadEn_07935	ccsbBroad304_07935		BC025786	24138	IFIT5	no errors	hORFeome V8.1 Collection	24138	IFIT5	NM_012420.2	Full Length 99-100% match
ccsbBroadEn_07936	ccsbBroad304_07936		BC011599	24144	TFIP11	no errors	hORFeome V8.1 Collection	24144	TFIP11	NM_012143.2; NM_001008697.1	Full Length 99-100% match
ccsbBroadEn_07937	ccsbBroad304_07937		BC016931	24145	PANX1	no errors	hORFeome V8.1 Collection	24145	PANX1	NM_015368.3	Full Length 99-100% match
ccsbBroadEn_07938	ccsbBroad304_07938		BC126262	25770	C22orf31	no errors	hORFeome V8.1 Collection	25770	C22orf31	NM_015370.1	Full Length 99-100% match
ccsbBroadEn_07939	ccsbBroad304_07939		BC027849	25780	RASGRP3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	25780	RASGRP3	NM_170672.2; NM_001139488.1	Full Length 99-100% match
ccsbBroadEn_07940	ccsbBroad304_07940		BC031573	25791	NGEF	no errors	hORFeome V8.1 Collection	25791	NGEF	NM_019850.2	Full Length 99-100% match
ccsbBroadEn_07941	ccsbBroad304_07941		BC008361	25793	FBXO7	no errors	hORFeome V8.1 Collection	25793	FBXO7	NM_012179.3	Full Length 99-100% match
ccsbBroadEn_07942	ccsbBroad304_07942		BC130330	25794	FSCN2	no errors	hORFeome V8.1 Collection	25794	FSCN2	NM_012418.3	Full Length 99-100% match
ccsbBroadEn_07943	ccsbBroad304_07943		BC014006	25796	PGLS	no errors	hORFeome V8.1 Collection	25796	PGLS	NM_012088.2	Full Length 99-100% match
ccsbBroadEn_07944	ccsbBroad304_07944		BC018737	25798	BRI3	no errors	hORFeome V8.1 Collection	25798	BRI3	NM_015379.4	Full Length 99-100% match
ccsbBroadEn_07945	ccsbBroad304_07945		BC005214	25801	GCA	no errors	hORFeome V8.1 Collection	25801	GCA	NM_012198.3	Full Length 99-100% match
ccsbBroadEn_07946	ccsbBroad304_07946		BC015200	25813	SAMM50	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	25813	SAMM50	NM_015380.4	Full Length 99-100% match
ccsbBroadEn_07947	ccsbBroad304_07947		BC005352	25816	TNFAIP8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	25816	TNFAIP8	NM_014350.2	Full Length 99-100% match
ccsbBroadEn_07948	ccsbBroad304_07948		BC022459	25830	SULT4A1	no errors	hORFeome V8.1 Collection	25830	SULT4A1	NM_014351.3	Full Length 99-100% match
ccsbBroadEn_07949	ccsbBroad304_07949	454	BC064141	25834	MGAT4C	no errors	hORFeome V8.1 Collection	25834	MGAT4C	NM_013244.3	Full Length 99-100% match
ccsbBroadEn_07950	ccsbBroad304_07950	454	BC066913	25837	RAB26	no errors	hORFeome V8.1 Collection	25837	RAB26	NM_014353.4	Full Length 99-100% match
ccsbBroadEn_07951	ccsbBroad304_07951		BC019297	25844	YIPF3	1 synonymous error	hORFeome V8.1 Collection	25844	YIPF3	NM_015388.3	Full Length 99-100% match
ccsbBroadEn_07952	ccsbBroad304_07952		BC013294	25849	PARM1	no errors	hORFeome V8.1 Collection	25849	PARM1	NM_015393.3	Full Length 99-100% match
ccsbBroadEn_07953	ccsbBroad304_07953	454	BC063823	25853	DCAF12	no errors	hORFeome V8.1 Collection	25853	DCAF12	NM_015397.3	Full Length 99-100% match
ccsbBroadEn_07954	ccsbBroad304_07954		BC009834	25855	BRMS1	no errors	hORFeome V8.1 Collection	25855	BRMS1	NM_015399.3	Full Length 99-100% match
ccsbBroadEn_07955	ccsbBroad304_07955		BC002571	25864	ABHD14A	no errors	hORFeome V8.1 Collection	25864	ABHD14A	NM_015407.4	Full Length 99-100% match
ccsbBroadEn_07956	ccsbBroad304_07956		BC067743	25871	C3orf17	no errors	hORFeome V8.1 Collection	25871	C3orf17	NM_015412.3	Full Length 99-100% match
ccsbBroadEn_07957	ccsbBroad304_07957		BC030221	25890	ABI3BP	no errors	hORFeome V8.1 Collection	25890	ABI3BP	NM_015429.3	Full Length 99-100% match
ccsbBroadEn_07958	ccsbBroad304_07958		BC016395	25895	FAM119B	1 synonymous error	hORFeome V8.1 Collection	25895	FAM119B	NM_015433.2	Full Length 99-100% match
ccsbBroadEn_07959	ccsbBroad304_07959		BC033918	25896	INTS7	no errors	hORFeome V8.1 Collection	25896	INTS7	NM_015434.2	Full Length 99-100% match



ccsbBroadEn_07960	ccsbBroad304_07960	454	BC093938	25897	RNF19A	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	25897	RNF19A	NM_015435.3; NM_183419.1	Full Length 99-100% match
ccsbBroadEn_07961	ccsbBroad304_07961		BC047393	25898	RCHY1	no errors	hORFeome V8.1 Collection	25898	RCHY1	NM_015436.2	Full Length 99-100% match
ccsbBroadEn_07962	ccsbBroad304_07962		BC002931	25904	CNOT10	no errors	hORFeome V8.1 Collection	25904	CNOT10	NM_015442.1	Full Length 99-100% match
ccsbBroadEn_07963	ccsbBroad304_07963		BC005393	25906	C11orf51	no errors	hORFeome V8.1 Collection	25906	C11orf51	NM_014042.2	Full Length 99-100% match
ccsbBroadEn_07964	ccsbBroad304_07964		BC010421	25917	THUMPD3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	25917	THUMPD3	NM_001114092.1; NM_015453.2	Full Length 99-100% match
ccsbBroadEn_07965	ccsbBroad304_07965		BC001622	25917	THUMPD3	no errors	hORFeome V8.1 Collection	25917	THUMPD3	NM_015453.2	Full Length 99-100% match
ccsbBroadEn_07966	ccsbBroad304_07966		BC007067	25936	NSL1	no errors	hORFeome V8.1 Collection	25936	NSL1	NM_015471.3	Full Length 99-100% match
ccsbBroadEn_07967	ccsbBroad304_07967		BC036450	25939	SAMHD1	no errors	hORFeome V8.1 Collection	25939	SAMHD1	NM_015474.3	Full Length 99-100% match
ccsbBroadEn_07968	ccsbBroad304_07968		CCSB53266	25940	FAM98A	1 synonymous error	hORFeome V8.1 Collection	25940	FAM98A	NM_015475.3	Full Length 99-100% match
ccsbBroadEn_07969	ccsbBroad304_07969	454	BC060860	25940	FAM98A	no errors	hORFeome V8.1 Collection	25940	FAM98A	NM_015475.3	Full Length 99-100% match
ccsbBroadEn_07970	ccsbBroad304_07970		CCSB53368	25950	RWDD3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	25950	RWDD3	NM_001128142.1	Full Length 99-100% match
ccsbBroadEn_07971	ccsbBroad304_07971		BC036457	25953	PNKD	no errors	hORFeome V8.1 Collection	25953	PNKD	NM_015488.4	Full Length 99-100% match
ccsbBroadEn_07972	ccsbBroad304_07972		BC001553	25978	CHMP2B	no errors	hORFeome V8.1 Collection	25978	CHMP2B	NM_014043.3	Full Length 99-100% match
ccsbBroadEn_07973	ccsbBroad304_07973		BC030817	25983	NGDN	no errors	hORFeome V8.1 Collection	25983	NGDN	NM_001042635.1	Full Length 99-100% match
ccsbBroadEn_07974	ccsbBroad304_07974		BC028356	25984	KRT23	no errors	hORFeome V8.1 Collection	25984	KRT23	NM_015515.3	Full Length 99-100% match
ccsbBroadEn_07975	ccsbBroad304_07975		BC012856	25988	HINFP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	25988	HINFP	NM_015517.3; NM_198971.1	Full Length 99-100% match
ccsbBroadEn_07976	ccsbBroad304_07976	454	BC010139	26001	RNF167	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26001	RNF167	NM_015528.1	Full Length 99-100% match
ccsbBroadEn_07977	ccsbBroad304_07977		BC018756	26002	MOXD1	no errors	hORFeome V8.1 Collection	26002	MOXD1	NM_015529.2	Full Length 99-100% match
ccsbBroadEn_07978	ccsbBroad304_07978		BC039820	26013	L3MBTL1	no errors	hORFeome V8.1 Collection	26013	L3MBTL1	NM_015478.6	Full Length 99-100% match
ccsbBroadEn_07979	ccsbBroad304_07979		BC103495	26024	PTCD1	no errors	hORFeome V8.1 Collection	26024	PTCD1	NM_015545.3	Full Length 99-100% match
ccsbBroadEn_07980	ccsbBroad304_07980		BC131801	26051	PPP1R16B	no errors	hORFeome V8.1 Collection	26051	PPP1R16B	NM_015568.2	Full Length 99-100% match
ccsbBroadEn_07981	ccsbBroad304_07981	454	BC028583	26054	SENP6	no errors	hORFeome V8.1 Collection	26054	SENP6	NM_001100409.1	Full Length 99-100% match
ccsbBroadEn_07982	ccsbBroad304_07982		BC028599	26060	APPL1	no errors	hORFeome V8.1 Collection	26060	APPL1	NM_012096.2	Full Length 99-100% match
ccsbBroadEn_07983	ccsbBroad304_07983		BC052988	26064	RAI14	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26064	RAI14	NM_015577.2; NM_001145520.1; NM_001145521.1	Full Length 99-100% match
ccsbBroadEn_07984	ccsbBroad304_07984		BC016842	26065	LSM14A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26065	LSM14A	NM_015578.2	Full Length 99-100% match
ccsbBroadEn_07985	ccsbBroad304_07985		BC000393	26071	FAM127B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26071; 100292719	FAM127B; LOC100292719	NM_001078172.1; XM_002346332.2	Full Length 99-100% match
ccsbBroadEn_07986	ccsbBroad304_07986		BC000655,BC009265	26073	POLDIP2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	26073	POLDIP2	NM_015584.3	Full Length 99-100% match
ccsbBroadEn_07987	ccsbBroad304_07987		BC014049	26090	ABHD12	no errors	hORFeome V8.1 Collection	26090	ABHD12	NM_015600.3	Full Length 99-100% match
ccsbBroadEn_07988	ccsbBroad304_07988		BC018979	26094	DCAF4	no errors	hORFeome V8.1 Collection	26094	DCAF4	NM_015604.3	Full Length 99-100% match
ccsbBroadEn_07989	ccsbBroad304_07989		BC035901	26094	DCAF4	no errors	hORFeome V8.1 Collection	26094	DCAF4	NM_181340.2	Full Length 99-100% match
ccsbBroadEn_07990	ccsbBroad304_07990		BC007596	26100	WIPI2	no errors	hORFeome V8.1 Collection	26100	WIPI2	NM_016003.3	Full Length 99-100% match
ccsbBroadEn_07991	ccsbBroad304_07991		BC013144	26133	TRPC4AP	no errors	hORFeome V8.1 Collection	26133	TRPC4AP	NM_015638.2	Full Length 99-100% match
ccsbBroadEn_07992	ccsbBroad304_07992		BC002488	26135	SERBP1	no errors	hORFeome V8.1 Collection	26135	SERBP1	NM_001018068.1	Full Length 99-100% match
ccsbBroadEn_07993	ccsbBroad304_07993		BC029041	26137	ZBTB20	no errors	hORFeome V8.1 Collection	26137	ZBTB20	NM_001164343.1; NM_015642.4; NM_001164344.1; NM_001164345.1; NM_001164346.1; NM_001164347.1	Full Length 99-100% match
ccsbBroadEn_07994	ccsbBroad304_07994	454	BC078181	26145	IRF2BP1	no errors	hORFeome V8.1 Collection	26145	IRF2BP1	NM_015649.1	Full Length 99-100% match
ccsbBroadEn_07995	ccsbBroad304_07995		BC059174	26146	TRAF3IP1	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26146	TRAF3IP1	NM_001139490.1	Full Length 99-100% match
ccsbBroadEn_07996	ccsbBroad304_07996		BC003555	26155	NOC2L	no errors	hORFeome V8.1 Collection	26155	NOC2L	NM_015658.3	Full Length 99-100% match
ccsbBroadEn_07997	ccsbBroad304_07997		BC036716	26164	GTPBP5	no errors	hORFeome V8.1 Collection	26164	GTPBP5	NM_015666.3	Full Length 99-100% match
ccsbBroadEn_07998	ccsbBroad304_07998		BC036665	26166	RGS22	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26166	RGS22	NM_015668.3	Full Length 99-100% match
ccsbBroadEn_07999	ccsbBroad304_07999		BC001186	26167	PCDHB5	no errors	hORFeome V8.1 Collection	26167	PCDHB5	NM_015669.2	Full Length 99-100% match
ccsbBroadEn_08000	ccsbBroad304_08000	454	BC069092	26189	OR1A2	no errors	hORFeome V8.1 Collection	26189	OR1A2	NM_012352.1	Full Length 99-100% match
ccsbBroadEn_08001	ccsbBroad304_08001		BC019247	26206	SPAG8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26206	SPAG8	NM_172312.1	Full Length 99-100% match
ccsbBroadEn_08002	ccsbBroad304_08002	454	BC104975	26211	OR2F1	early stop codon	hORFeome V8.1 Mutant Subcollection	26211	OR2F1	NM_012369.2	Full Length 99-100% match
ccsbBroadEn_08003	ccsbBroad304_08003		BC025233	26232	FBXO2	no errors	hORFeome V8.1 Collection	26232	FBXO2	NM_012168.4	Full Length 99-100% match
ccsbBroadEn_08004	ccsbBroad304_08004		BC030656	26234	FBXL5	1 synonymous error	hORFeome V8.1 Collection	26234	FBXL5	NM_012161.3	Full Length 99-100% match
ccsbBroadEn_08005	ccsbBroad304_08005		BC112215	26236	C6orf54	no errors	hORFeome V8.1 Collection	100505879	LOC100505879	XM_003120020.1; XM_003118904.1; XM_003120543.1	Full Length 99-100% match
ccsbBroadEn_08006	ccsbBroad304_08006	454	BC074942	26254	OPTC	no errors	hORFeome V8.1 Collection	26254	OPTC	NM_014359.3	Full Length 99-100% match
ccsbBroadEn_08007	ccsbBroad304_08007		BC011996	26256	CABYR	no errors	hORFeome V8.1 Collection	26256	CABYR	NM_138644.1; NM_153769.1	Full Length 99-100% match
ccsbBroadEn_08008	ccsbBroad304_08008		BC010405	26262	TSPAN17	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26262	TSPAN17	NM_001006616.2	Full Length 99-100% match
ccsbBroadEn_08009	ccsbBroad304_08009		BC041691	26263	FBXO22	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26263	FBXO22	NM_147188.2	Full Length 99-100% match
ccsbBroadEn_08010	ccsbBroad304_08010		BC018905	26271	FBXO5	no errors	hORFeome V8.1 Collection	26271	FBXO5	NM_012177.3	Full Length 99-100% match
ccsbBroadEn_08011	ccsbBroad304_08011		BC016445	26276	VPS33B	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26276	VPS33B	NM_018668.3	Full Length 99-100% match
ccsbBroadEn_08012	ccsbBroad304_08012		BC005122	26286	ARFGAP3	no errors	hORFeome V8.1 Collection	26286	ARFGAP3	NM_014570.4	Full Length 99-100% match
ccsbBroadEn_08013	ccsbBroad304_08013	454	BC107759	26287	ANKRD2	no errors	hORFeome V8.1 Collection	26287	ANKRD2	NM_020349.2	Full Length 99-100% match
ccsbBroadEn_08014	ccsbBroad304_08014	454	BC032499	26301	GBGT1	no errors	hORFeome V8.1 Collection	26301	GBGT1	NM_021996.4	Full Length 99-100% match
ccsbBroadEn_08015	ccsbBroad304_08015		BC001024	26354	GNL3	no errors	hORFeome V8.1 Collection	26354	GNL3	NM_014366.4; NM_206825.1; NM_206826.1	Full Length 99-100% match
ccsbBroadEn_08016	ccsbBroad304_08016		BC000567	26470	SEZ6L2	no errors	hORFeome V8.1 Collection	26470	SEZ6L2	NM_001114100.1	Full Length 99-100% match
ccsbBroadEn_08017	ccsbBroad304_08017	454	BC136638	26492	OR8G2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26492	OR8G2	NM_001007249.1	Full Length 99-100% match
ccsbBroadEn_08018	ccsbBroad304_08018		BC016440	26502	NARF	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26502	NARF	NM_001083608.1	Full Length 99-100% match
ccsbBroadEn_08019	ccsbBroad304_08019		BC000438	26502	NARF	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26502	NARF	NM_031968.2	Full Length 99-100% match
ccsbBroadEn_08020	ccsbBroad304_08020	454	BC063295	26504	CNNM4	no errors	hORFeome V8.1 Collection	26504	CNNM4	NM_020184.3	Full Length 99-100% match
ccsbBroadEn_08021	ccsbBroad304_08021		BC034691	26511	CHIC2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26511	CHIC2	NM_012110.2	Full Length 99-100% match
ccsbBroadEn_08022	ccsbBroad304_08022		BC011014	26515	FXC1	no errors	hORFeome V8.1 Collection	26515	FXC1	NM_012192.3	Full Length 99-100% match
ccsbBroadEn_08023	ccsbBroad304_08023	454	BC063275	26523	EIF2C1	no errors	hORFeome V8.1 Collection	26523	EIF2C1	NM_012199.2	Full Length 99-100% match
ccsbBroadEn_08024	ccsbBroad304_08024		BC131608	26531	OR11A1	no errors	hORFeome V8.1 Collection	26531	OR11A1	NM_013937.2	Full Length 99-100% match
ccsbBroadEn_08025	Failed LR reaction		BC113844	26532	OR10H3	no errors	hORFeome V8.1 Collection	26532	OR10H3	NM_013938.1	Full Length 99-100% match
ccsbBroadEn_08026	ccsbBroad304_08026		BC113647	26538	OR10H2	no errors	hORFeome V8.1 Collection	26538	OR10H2	NM_013939.2	Full Length 99-100% match
ccsbBroadEn_08027	ccsbBroad304_08027		BC130360	26539	OR10H1	no errors	hORFeome V8.1 Collection	26539	OR10H1	NM_013940.2	Full Length 99-100% match
ccsbBroadEn_08028	ccsbBroad304_08028		BC000591	26574	AATF	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	26574	AATF	NM_012138.3	Full Length 99-100% match
ccsbBroadEn_08029	ccsbBroad304_08029		BC117124	26576	SRPK3	no errors	hORFeome V8.1 Collection	26576	SRPK3	NM_001170760.1	Full Length 99-100% match
ccsbBroadEn_08030	ccsbBroad304_08030		BC011815	26579	MYEOV	no errors	hORFeome V8.1 Collection	26579	MYEOV	NM_138768.2	Full Length 99-100% match
ccsbBroadEn_08031	ccsbBroad304_08031		BC012140	26580	BSCL2	no errors	hORFeome V8.1 Collection	26580	BSCL2	NM_032667.5	Full Length 99-100% match
ccsbBroadEn_08032	ccsbBroad304_08032		BC130296	26586	CKAP2	no errors	hORFeome V8.1 Collection	26586	CKAP2	NM_018204.3	Full Length 99-100% match
ccsbBroadEn_08033	ccsbBroad304_08033		BC017883	26589	MRPL46	no errors	hORFeome V8.1 Collection	26589	MRPL46	NM_022163.3	Full Length 99-100% match
ccsbBroadEn_08034	ccsbBroad304_08034	454	BC104809	26659	OR7A5	no errors	hORFeome V8.1 Collection	26659	OR7A5	NM_017506.1	Full Length 99-100% match
ccsbBroadEn_08035	ccsbBroad304_08035		BC117212	26664	OR7C1	no errors	hORFeome V8.1 Collection	26664	OR7C1	NM_198944.1	Full Length 99-100% match



ccsbBroadEn_08036	ccsbBroad304_08036		BC108898	26707	OR2J2	no errors	hORFeome V8.1 Collection	26707	OR2J2	NM_030905.2	Full Length 99-100% match
ccsbBroadEn_08037	ccsbBroad304_08037	454	BC140927	26952	SMR3A	no errors	hORFeome V8.1 Collection	26952	SMR3A	NM_012390.3	Full Length 99-100% match
ccsbBroadEn_08038	ccsbBroad304_08038		BC017069	26959	HBP1	early stop codon	hORFeome V8.1 Mutant Subcollection	26959	HBP1	NM_012257.3	Full Length 99-100% match
ccsbBroadEn_08039	ccsbBroad304_08039		BC117300,BC117302	26974	ZNF285	no errors	hORFeome V8.1 Collection	26974	ZNF285	NM_152354.3	Full Length 99-100% match
ccsbBroadEn_08040	ccsbBroad304_08040	454	BC137444	27006	FGF22	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	27006	FGF22	NM_020637.1	Full Length 99-100% match
ccsbBroadEn_08041	ccsbBroad304_08041		BC001393	27013	C2orf24	no errors	hORFeome V8.1 Collection	27013	C2orf24	NM_015680.4	Full Length 99-100% match
ccsbBroadEn_08042	ccsbBroad304_08042		BC012821	27013	C2orf24	no errors	hORFeome V8.1 Collection	27013	C2orf24	NM_015680.4	Full Length 99-100% match
ccsbBroadEn_08043	ccsbBroad304_08043		BC113710	27023	FOXB1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	27023	FOXB1	NM_012182.2	Full Length 99-100% match
ccsbBroadEn_08044	ccsbBroad304_08044		BC112167	27030	MLH3	no errors	hORFeome V8.1 Collection	27030	MLH3	NM_014381.2	Full Length 99-100% match
ccsbBroadEn_08045	ccsbBroad304_08045	454	BC075014	27035	NOX1	no errors	hORFeome V8.1 Collection	27035	NOX1	NM_007052.4	Full Length 99-100% match
ccsbBroadEn_08046	ccsbBroad304_08046	454	BC028150	27036	SIGLEC7	no errors	hORFeome V8.1 Collection	27036	SIGLEC7	NM_014385.2	Full Length 99-100% match
ccsbBroadEn_08047	ccsbBroad304_08047		BC013352,BC017184	27037	TRMT2A	1 synonymous error	hORFeome V8.1 Collection	27037	TRMT2A	NM_022727.4; NM_182984.3	Full Length 99-100% match
ccsbBroadEn_08048	ccsbBroad304_08048		BC022964	27042	C1orf107	no errors	hORFeome V8.1 Collection	27042	C1orf107	NM_014388.6	Full Length 99-100% match
ccsbBroadEn_08049	ccsbBroad304_08049		BC008369	27067	STAU2	no errors	hORFeome V8.1 Collection	27067	STAU2	NM_001164381.1 NM_014393.2;	Full Length 99-100% match
ccsbBroadEn_08050	ccsbBroad304_08050		BC110447	27067	STAU2	no errors	hORFeome V8.1 Collection	27067	STAU2	NM_001164384.1	Full Length 99-100% match
ccsbBroadEn_08051	ccsbBroad304_08051		BC032940	27074	LAMP3	no errors	hORFeome V8.1 Collection	27074	LAMP3	NM_014398.3	Full Length 99-100% match
ccsbBroadEn_08052	ccsbBroad304_08052		BC034532	27092	CACNG4	no errors	hORFeome V8.1 Collection	27092	CACNG4	NM_014405.3	Full Length 99-100% match
ccsbBroadEn_08053	ccsbBroad304_08053		BC041094	27097	TAF5L	no errors	hORFeome V8.1 Collection	27097	TAF5L	NM_001025247.1	Full Length 99-100% match
ccsbBroadEn_08054	ccsbBroad304_08054		BC006524	27102	EIF2AK1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	27102	EIF2AK1	NM_014413.3	Full Length 99-100% match
ccsbBroadEn_08055	ccsbBroad304_08055		BC011549	27109	ATP5S	no errors	hORFeome V8.1 Collection	27109	ATP5S	NM_001003805.2	Full Length 99-100% match
ccsbBroadEn_08056	ccsbBroad304_08056		BC002727	27111	SDCBP2	no errors	hORFeome V8.1 Collection	27111	SDCBP2	NM_080489.4; NM_001199784.1	Full Length 99-100% match
ccsbBroadEn_08057	ccsbBroad304_08057		BC007660	27122	DKK3	no errors	hORFeome V8.1 Collection	27122	DKK3	NM_013253.4; NM_015881.5; NM_001018057.1	Full Length 99-100% match
ccsbBroadEn_08058	ccsbBroad304_08058		BC126328,BC126330	27123	DKK2	no errors	hORFeome V8.1 Collection	27123	DKK2	NM_014421.2	Full Length 99-100% match
ccsbBroadEn_08059	ccsbBroad304_08059		BC006319	27129	HSPB7	no errors	hORFeome V8.1 Collection	27129	HSPB7	NM_014424.4	Full Length 99-100% match
ccsbBroadEn_08060	ccsbBroad304_08060		BC035334,BC064577	27132	CPNE7	no errors	hORFeome V8.1 Collection	27132	CPNE7	NM_153636.2	Full Length 99-100% match
ccsbBroadEn_08061	ccsbBroad304_08061		BC050307	27136	MORC1	no errors	hORFeome V8.1 Collection	27136	MORC1	NM_014429.3	Full Length 99-100% match
ccsbBroadEn_08062	ccsbBroad304_08062	454	BC136376	27143	KIAA1274	1 synonymous error	hORFeome V8.1 Collection	27143	KIAA1274	NM_014431.2	Full Length 99-100% match
ccsbBroadEn_08063	ccsbBroad304_08063		BC008986	27156	RTDR1	no errors	hORFeome V8.1 Collection	27156	RTDR1	NM_014433.2	Full Length 99-100% match
ccsbBroadEn_08064	ccsbBroad304_08064		BC015735	27158	NDOR1	no errors	hORFeome V8.1 Collection	27158	NDOR1	NM_014434.2	Full Length 99-100% match
ccsbBroadEn_08065	ccsbBroad304_08065		BC036339,BC106910	27159	CHIA	1 synonymous error	hORFeome V8.1 Collection	27159	CHIA	NM_021797.2	Full Length 99-100% match
ccsbBroadEn_08066	ccsbBroad304_08066		BC003152	27173	SLC39A1	no errors	hORFeome V8.1 Collection	27173	SLC39A1	NM_014437.3	Full Length 99-100% match
ccsbBroadEn_08067	ccsbBroad304_08067	454	BC101833	27177	IL1F8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	27177	IL1F8	NM_173178.1	Full Length 99-100% match
ccsbBroadEn_08068	ccsbBroad304_08068		BC020637	27178	IL1F7	no errors	hORFeome V8.1 Collection	27178	IL1F7	NM_014439.3	Full Length 99-100% match
ccsbBroadEn_08069	ccsbBroad304_08069	454	BC107042	27179	IL1F6	no errors	hORFeome V8.1 Collection	27179	IL1F6	NM_014440.1	Full Length 99-100% match
ccsbBroadEn_08070	ccsbBroad304_08070	454	BC151225	27185	DISC1	no errors	hORFeome V8.1 Collection	27185	DISC1	NM_001012957.1	Full Length 99-100% match
ccsbBroadEn_08071	ccsbBroad304_08071	454	BC067477	27202	GPR77	no errors	hORFeome V8.1 Collection	27202	GPR77	NM_018485.1	Full Length 99-100% match
ccsbBroadEn_08072	ccsbBroad304_08072		BC009870,BC012801	27229	TUBGCP4	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	27229	TUBGCP4	NM_014444.2	Full Length 99-100% match
ccsbBroadEn_08073	ccsbBroad304_08073		BC113692,BC113694	27247	NFU1	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	27247	NFU1	NM_001002755.1	Full Length 99-100% match
ccsbBroadEn_08074	ccsbBroad304_08074		BC000932,BC023995	27249	MMADHC	no errors	hORFeome V8.1 Collection	27249	MMADHC	NM_015702.2	Full Length 99-100% match
ccsbBroadEn_08075	ccsbBroad304_08075		BC007055	27258	LSM3	no errors	hORFeome V8.1 Collection	27258	LSM3	NM_014463.2	Full Length 99-100% match
ccsbBroadEn_08076	ccsbBroad304_08076		BC010895	27284	SULT1B1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	27284	SULT1B1	NM_014465.3	Full Length 99-100% match
ccsbBroadEn_08077	ccsbBroad304_08077		BC035620	27285	TEKT2	no errors	hORFeome V8.1 Collection	27285	TEKT2	NM_014466.2	Full Length 99-100% match
ccsbBroadEn_08078	Failed LR reaction		BC020733	27286	SRPX2	no errors	hORFeome V8.1 Collection	27286	SRPX2	NM_014467.2	Full Length 99-100% match
ccsbBroadEn_08079	ccsbBroad304_08079		BC108916	27287	VENTX	no errors	hORFeome V8.1 Collection	27287	VENTX	NM_014468.2	Full Length 99-100% match
ccsbBroadEn_08080	ccsbBroad304_08080		BC010874	27292	DIMT1L	no errors	hORFeome V8.1 Collection	27292	DIMT1L	NM_014473.2	Full Length 99-100% match
ccsbBroadEn_08081	ccsbBroad304_08081		BC027870	27295	PDLIM3	no errors	hORFeome V8.1 Collection	27295	PDLIM3	NM_001114107.3	Full Length 99-100% match
ccsbBroadEn_08082	ccsbBroad304_08082	454	BC069080	27302	BMP10	no errors	hORFeome V8.1 Collection	27302	BMP10	NM_014482.1	Full Length 99-100% match
ccsbBroadEn_08083	ccsbBroad304_08083		BC015939	27304	MOCOS3	no errors	hORFeome V8.1 Collection	27304	MOCOS3	NM_014484.3	Full Length 99-100% match
ccsbBroadEn_08084	ccsbBroad304_08084		BC004236	27338	UBE2S	no errors	hORFeome V8.1 Collection	27338	UBE2S	NM_014501.2	Full Length 99-100% match
ccsbBroadEn_08085	ccsbBroad304_08085		BC007554	27338	UBE2S	no errors	hORFeome V8.1 Collection	27338	UBE2S	NM_014501.2	Full Length 99-100% match
ccsbBroadEn_08086	ccsbBroad304_08086	454	BC042195	27349	MCAT	no errors	hORFeome V8.1 Collection	27349	MCAT	NM_173467.4	Full Length 99-100% match
ccsbBroadEn_08087	ccsbBroad304_08087		BC011739	27350	APOBEC3C	no errors	hORFeome V8.1 Collection	27350	APOBEC3C	NM_014508.2	Full Length 99-100% match
ccsbBroadEn_08088	ccsbBroad304_08088		BC000096	27429	HTRA2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	27429	HTRA2	NM_013247.4	Full Length 99-100% match
ccsbBroadEn_08089	ccsbBroad304_08089		BC066645	27430	MAT2B	no errors	hORFeome V8.1 Collection	27430	MAT2B	NM_013283.3	Full Length 99-100% match
ccsbBroadEn_08090	ccsbBroad304_08090		BC015727	28231	SLCO4A1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	28231	SLCO4A1	NM_016354.3	Full Length 99-100% match
ccsbBroadEn_08091	ccsbBroad304_08091		BC000585	28232	SLCO3A1	no errors	hORFeome V8.1 Collection	28232	SLCO3A1	NM_001145044.1	Full Length 99-100% match
ccsbBroadEn_08092	ccsbBroad304_08092		BC004358	28959	TMEM176B	no errors	hORFeome V8.1 Collection	28959	TMEM176B	NM_014020.3; NM_001101311.1; NM_001101312.1	Full Length 99-100% match
ccsbBroadEn_08093	ccsbBroad304_08093		BC014532	28960	DCPS	no errors	hORFeome V8.1 Collection	28960	DCPS	NM_014026.3	Full Length 99-100% match
ccsbBroadEn_08094	ccsbBroad304_08094	454	BC068581	28962	OSTM1	1 synonymous error	hORFeome V8.1 Collection	28962	OSTM1	NM_014028.3	Full Length 99-100% match
ccsbBroadEn_08095	ccsbBroad304_08095		BC041945	28965	SLC27A6	no errors	hORFeome V8.1 Collection	28965	SLC27A6	NM_014031.3; NM_001017372.1	Full Length 99-100% match
ccsbBroadEn_08096	ccsbBroad304_08096		BC005373	28973	MRPS18B	no errors	hORFeome V8.1 Collection	28973	MRPS18B	NM_014046.3	Full Length 99-100% match
ccsbBroadEn_08097	ccsbBroad304_08097		BC007970	28976	ACAD9	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	28976	ACAD9	NM_014049.4	Full Length 99-100% match
ccsbBroadEn_08098	ccsbBroad304_08098	454	BC066334	28984	C13orf15	no errors	hORFeome V8.1 Collection	28984	C13orf15	NM_014059.2	Full Length 99-100% match
ccsbBroadEn_08099	ccsbBroad304_08099		BC110616	28990	ASTE1	no errors	hORFeome V8.1 Collection	28990	ASTE1	NM_014065.2	Full Length 99-100% match
ccsbBroadEn_08100	ccsbBroad304_08100		BC036733	28999	KLF15	1 synonymous error	hORFeome V8.1 Collection	28999	KLF15	NM_014079.3	Full Length 99-100% match
ccsbBroadEn_08101	ccsbBroad304_08101		BC009768,BC015113	29058	C20orf30	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29058	C20orf30	NM_014145.4; NM_001009925.1; NM_001009924.1	Full Length 99-100% match
ccsbBroadEn_08102	ccsbBroad304_08102		BC001623	29074	MRPL18	1 synonymous error	hORFeome V8.1 Collection	29074	MRPL18	NM_014161.3	Full Length 99-100% match
ccsbBroadEn_08103	ccsbBroad304_08103		BC039464	29078	NDUFAF4	no errors	hORFeome V8.1 Collection	29078	NDUFAF4	NM_014165.3	Full Length 99-100% match
ccsbBroadEn_08104	ccsbBroad304_08104		BC005189	29079	MED4	no errors	hORFeome V8.1 Collection	29079	MED4	NM_014166.2	Full Length 99-100% match
ccsbBroadEn_08105	ccsbBroad304_08105	454	BC000921	29081	METTL5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29081	METTL5	NM_014168.2	Full Length 99-100% match
ccsbBroadEn_08106	ccsbBroad304_08106		BC024648	29085	PHPT1	1 synonymous error	hORFeome V8.1 Collection	29085	PHPT1	NM_014172.4	Full Length 99-100% match
ccsbBroadEn_08107	ccsbBroad304_08107		BC006244	29086	C19orf62	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29086	C19orf62	NM_014173.2; NM_001033549.1	Full Length 99-100% match
ccsbBroadEn_08108	ccsbBroad304_08108		BC000788	29086	C19orf62	no errors	hORFeome V8.1 Collection	29086	C19orf62	NM_014173.2; NM_001033549.1	Full Length 99-100% match
ccsbBroadEn_08109	ccsbBroad304_08109		BC000891	29088	MRPL15	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29088	MRPL15	NM_014175.3	Full Length 99-100% match
ccsbBroadEn_08110	ccsbBroad304_08110		BC012543	29095	ORMDL2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29095	ORMDL2	NM_014182.4	Full Length 99-100% match
ccsbBroadEn_08111	ccsbBroad304_08111		BC000573	29097	CNIH4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29097	CNIH4	NM_014184.2	Full Length 99-100% match
ccsbBroadEn_08112	ccsbBroad304_08112		BC013412	29100	TMEM208	no errors	hORFeome V8.1 Collection	29100	TMEM208	NM_014187.3	Full Length 99-100% match
ccsbBroadEn_08113	ccsbBroad304_08113		BC010910	29103	DNAJC15	no errors	hORFeome V8.1 Collection	29103	DNAJC15	NM_013238.2	Full Length 99-100% match
ccsbBroadEn_08114	ccsbBroad304_08114		BC014539	29106	SCG3	no errors	hORFeome V8.1 Collection	29106	SCG3	NM_013243.3	Full Length 99-100% match
ccsbBroadEn_08115	ccsbBroad304_08115	454	BC033084	29109	FHOD1	no errors	hORFeome V8.1 Collection	29109	FHOD1	NM_013241.2	Full Length 99-100% match
ccsbBroadEn_08116	ccsbBroad304_08116		BC034950	29110	TBK1	no errors	hORFeome V8.1 Collection	29110	TBK1	NM_013254.3	Full Length 99-100% match



ccsbBroadEn_08117	ccsbBroad304_08117		BC018906	29760	BLNK	no errors	hORFeome V8.1 Collection	29760	BLNK	NM_013314.3	Full Length 99-100% match
ccsbBroadEn_08118	ccsbBroad304_08118		BC017810	29765	TMOD4	no errors	hORFeome V8.1 Collection	29765	TMOD4	NM_013353.2	Full Length 99-100% match
ccsbBroadEn_08119	ccsbBroad304_08119		BC066313	29777	ABT1	no errors	hORFeome V8.1 Collection	29777	ABT1	NM_013375.2	Full Length 99-100% match
ccsbBroadEn_08120	ccsbBroad304_08120		BC033691	29785	CYP2S1	no errors	hORFeome V8.1 Collection	29785	CYP2S1	NM_030622.6	Full Length 99-100% match
ccsbBroadEn_08121	ccsbBroad304_08121		BC012842	29789	OLA1	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29789	OLA1	NM_013341.3	Full Length 99-100% match
ccsbBroadEn_08122	ccsbBroad304_08122		BC005402	29796	UQCR10	no errors	hORFeome V8.1 Collection	29796	UQCR10	NM_013387.3	Full Length 99-100% match
ccsbBroadEn_08123	ccsbBroad304_08123		BC074501	29799	YPEL1	no errors	hORFeome V8.1 Collection	29799	YPEL1	NM_013313.3	Full Length 99-100% match
ccsbBroadEn_08124	ccsbBroad304_08124		BC001760	29803	REPIN1	no errors	hORFeome V8.1 Collection	29803	REPIN1	NM_014374.3; NM_013400.3; NM_001099696.2	Full Length 99-100% match
ccsbBroadEn_08125	ccsbBroad304_08125		BC000363	29803	REPIN1	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29803	REPIN1	NM_014374.3; NM_013400.3; NM_001099696.2	Full Length 99-100% match
ccsbBroadEn_08126	ccsbBroad304_08126	454	BC0067519	29841	GRHL1	no errors	hORFeome V8.1 Collection	29841	GRHL1	NM_198182.2	Full Length 99-100% match
ccsbBroadEn_08127	ccsbBroad304_08127		BC004281,BC007776	29844	TFPT	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29844	TFPT	NM_013342.3	Full Length 99-100% match
ccsbBroadEn_08128	ccsbBroad304_08128		BC012531	29880	ALG5	1 synonymous error	hORFeome V8.1 Collection	29880	ALG5	NM_013338.4	Full Length 99-100% match
ccsbBroadEn_08129	ccsbBroad304_08129		BC032503	29882	ANAPC2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29882	ANAPC2	NM_013366.3	Full Length 99-100% match
ccsbBroadEn_08130	ccsbBroad304_08130		BC021565	29886	SNX8	no errors	hORFeome V8.1 Collection	29886	SNX8	NM_013321.2	Full Length 99-100% match
ccsbBroadEn_08131	ccsbBroad304_08131		BC031050	29887	SNX10	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	29887	SNX10	NM_013322.2	Full Length 99-100% match
ccsbBroadEn_08132	ccsbBroad304_08132		BC000107	29889	GNL2	no errors	hORFeome V8.1 Collection	29889	GNL2	NM_013285.2	Full Length 99-100% match
ccsbBroadEn_08133	ccsbBroad304_08133		BC020967	29902	C12orf24	no errors	hORFeome V8.1 Collection	29902	C12orf24	NM_013300.2	Full Length 99-100% match
ccsbBroadEn_08134	ccsbBroad304_08134		BC000412	29903	CCDC106	no errors	hORFeome V8.1 Collection	29903	CCDC106	NM_013301.2	Full Length 99-100% match
ccsbBroadEn_08135	ccsbBroad304_08135		BC032665	29904	EEF2K	no errors	hORFeome V8.1 Collection	29904	EEF2K	NM_013302.3	Full Length 99-100% match
ccsbBroadEn_08136	ccsbBroad304_08136		BC036815	29909	GPR171	no errors	hORFeome V8.1 Collection	29909	GPR171	NM_013308.3	Full Length 99-100% match
ccsbBroadEn_08137	ccsbBroad304_08137		BC012443	29911	HOOK2	no errors	hORFeome V8.1 Collection	29911	HOOK2	NM_001100176.1	Full Length 99-100% match
ccsbBroadEn_08138	ccsbBroad304_08138		BC033799	29915	HCFC2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29915	HCFC2	NM_013320.2	Full Length 99-100% match
ccsbBroadEn_08139	ccsbBroad304_08139		BC001863	29923	C7orf68	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29923	C7orf68	NM_013332.3; NM_001098786.1	Full Length 99-100% match
ccsbBroadEn_08140	ccsbBroad304_08140		BC002324	29928	TIMM22	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	29928	TIMM22	NM_013337.2	Full Length 99-100% match
ccsbBroadEn_08141	ccsbBroad304_08141	454	BC001253	29929	ALG6	no errors	hORFeome V8.1 Collection	29929	ALG6	NM_013339.3	Full Length 99-100% match
ccsbBroadEn_08142	ccsbBroad304_08142		BC130574	29943	PAD1	no errors	hORFeome V8.1 Collection	29943	PAD1	NM_013358.2	Full Length 99-100% match
ccsbBroadEn_08143	ccsbBroad304_08143	454	BC105096	29944	PNMA3	early stop codon	hORFeome V8.1 Mutant Subcollection	29944	PNMA3	NM_013364.4	Full Length 99-100% match
ccsbBroadEn_08144	ccsbBroad304_08144		BC014061,BC050643	29946	SERTAD3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29946	SERTAD3	NM_203344.2; NM_013368.3	Full Length 99-100% match
ccsbBroadEn_08145	ccsbBroad304_08145		BC093687,BC113417	29948	OSGIN1	no errors	hORFeome V8.1 Collection	29948	OSGIN1	NM_182981.2; NM_182980.2	Full Length 99-100% match
ccsbBroadEn_08146	ccsbBroad304_08146	454	BC093744	29951	PDZRN4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29951	PDZRN4	NM_013377.3	Full Length 99-100% match
ccsbBroadEn_08147	ccsbBroad304_08147		BC016961	29952	DPP7	no errors	hORFeome V8.1 Collection	29952	DPP7	NM_013379.2	Full Length 99-100% match
ccsbBroadEn_08148	ccsbBroad304_08148		BC011907	29952	DPP7	no errors	hORFeome V8.1 Collection	29952	DPP7	NM_013379.2	Full Length 99-100% match
ccsbBroadEn_08149	ccsbBroad304_08149		BC031651	29954	POMT2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	29954	POMT2	NM_013382.5	Full Length 99-100% match
ccsbBroadEn_08150	ccsbBroad304_08150		BC114514	29960	FTSJ2	no errors	hORFeome V8.1 Collection	29960	FTSJ2	NM_013393.1	Full Length 99-100% match
ccsbBroadEn_08151	ccsbBroad304_08151		BC126221	29966	STRN3	no errors	hORFeome V8.1 Collection	29966	STRN3	NM_014574.3	Full Length 99-100% match
ccsbBroadEn_08152	ccsbBroad304_08152		BC000971,BC018129	29968	PSAT1	no errors	hORFeome V8.1 Collection	29968	PSAT1	NM_058179.2	Full Length 99-100% match
ccsbBroadEn_08153	ccsbBroad304_08153		BC016645	29968	PSAT1	no errors	hORFeome V8.1 Collection	29968	PSAT1	NM_058179.2	Full Length 99-100% match
ccsbBroadEn_08154	ccsbBroad304_08154		BC005947	29970	SCHIP1	no errors	hORFeome V8.1 Collection	29970	SCHIP1	NM_001197109.1	Full Length 99-100% match
ccsbBroadEn_08155	ccsbBroad304_08155	454	BC069237	29978	UBQLN2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	29978	UBQLN2	NM_013444.3	Full Length 99-100% match
ccsbBroadEn_08156	ccsbBroad304_08156		BC096723	29986	SLC39A2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29986	SLC39A2	NM_014579.3	Full Length 99-100% match
ccsbBroadEn_08157	ccsbBroad304_08157		BC006311,BC010095	29997	GLTSCR2	no errors	hORFeome V8.1 Collection	29997	GLTSCR2	NM_015710.4	Full Length 99-100% match
ccsbBroadEn_08158	ccsbBroad304_08158		BC072420	30000	TNPO2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	30000	TNPO2	NM_013433.4; NM_001136195.1	Full Length 99-100% match
ccsbBroadEn_08159	ccsbBroad304_08159		BC008674	30001	ERO1L	no errors	hORFeome V8.1 Collection	30001	ERO1L	NM_014584.1	Full Length 99-100% match
ccsbBroadEn_08160	ccsbBroad304_08160		BC015806	30011	SH3KBP1	no errors	hORFeome V8.1 Collection	30011	SH3KBP1	NM_031892.2	Full Length 99-100% match
ccsbBroadEn_08161	ccsbBroad304_08161		BC035893	30061	SLC40A1	no errors	hORFeome V8.1 Collection	30061	SLC40A1	NM_014585.5	Full Length 99-100% match
ccsbBroadEn_08162	Failed LR reaction	454	BC031797	30812	SOX8	no errors	hORFeome V8.1 Collection	30812	SOX8	NM_014587.3	Full Length 99-100% match
ccsbBroadEn_08163	ccsbBroad304_08163		BC015733	30827	CXXC1	no errors	hORFeome V8.1 Collection	30827	CXXC1	NM_001101654.1	Full Length 99-100% match
ccsbBroadEn_08164	ccsbBroad304_08164		BC017454	30833	NT5C	no errors	hORFeome V8.1 Collection	30833	NT5C	NM_014595.1	Full Length 99-100% match
ccsbBroadEn_08165	ccsbBroad304_08165		BC022334	30833	NT5C	no errors	hORFeome V8.1 Collection	30833	NT5C	NM_014595.1	Full Length 99-100% match
ccsbBroadEn_08166	ccsbBroad304_08166		BC050608	30834	ZNRD1	no errors	hORFeome V8.1 Collection	30834	ZNRD1	NM_014596.4; NM_170783.2	Full Length 99-100% match
ccsbBroadEn_08167	ccsbBroad304_08167		BC130622	30836	DNTTIP2	no errors	hORFeome V8.1 Collection	30836	DNTTIP2	NM_014597.4	Full Length 99-100% match
ccsbBroadEn_08168	ccsbBroad304_08168		BC014445	30846	EHD2	no errors	hORFeome V8.1 Collection	30846	EHD2	NM_014601.3	Full Length 99-100% match
ccsbBroadEn_08169	ccsbBroad304_08169		BC113998,BC128045	30848	CTAG2	no errors	hORFeome V8.1 Collection	30848	CTAG2	NM_172377.3	Full Length 99-100% match
ccsbBroadEn_08170	ccsbBroad304_08170		BC127105	30849	PIK3R4	no errors	hORFeome V8.1 Collection	30849	PIK3R4	NM_014602.2	Full Length 99-100% match
ccsbBroadEn_08171	ccsbBroad304_08171		BC023980	30851	TAX1BP3	no errors	hORFeome V8.1 Collection	30851	TAX1BP3	NM_014604.2	Full Length 99-100% match
ccsbBroadEn_08172	ccsbBroad304_08172		BC010152	30968	STOML2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	30968	STOML2	NM_013442.1	Full Length 99-100% match
ccsbBroadEn_08173	ccsbBroad304_08173	454	BC063290	49854	ZNF295	no errors	hORFeome V8.1 Collection	49854	ZNF295	NM_001098402.1; NM_020727.4	Full Length 99-100% match
ccsbBroadEn_08174	ccsbBroad304_08174		BC030807	49860	CRNN	no errors	hORFeome V8.1 Collection	49860	CRNN	NM_016190.2	Full Length 99-100% match
ccsbBroadEn_08175	ccsbBroad304_08175		BC009694	50486	G0S2	1 synonymous error	hORFeome V8.1 Collection	50486	G0S2	NM_015714.3	Full Length 99-100% match
ccsbBroadEn_08176	ccsbBroad304_08176		BC052585	50512	PODXL2	no errors	hORFeome V8.1 Collection	50512	PODXL2	NM_015720.2	Full Length 99-100% match
ccsbBroadEn_08177	ccsbBroad304_08177		BC013315	50515	CHST11	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	50515	CHST11	NM_018413.5	Full Length 99-100% match
ccsbBroadEn_08178	ccsbBroad304_08178		BC093817,BC093819	50614	GALNT9	no errors	hORFeome V8.1 Collection	50614	GALNT9	NM_021808.3	Full Length 99-100% match
ccsbBroadEn_08179	ccsbBroad304_08179		BC109305	50617	ATP6V0A4	no errors	hORFeome V8.1 Collection	50617	ATP6V0A4	NM_020632.2; NM_130840.2; NM_130841.2	Full Length 99-100% match
ccsbBroadEn_08180	ccsbBroad304_08180	454	BC109304	50617	ATP6V0A4	no errors	hORFeome V8.1 Collection	50617	ATP6V0A4	NM_020632.2; NM_130840.2; NM_130841.2	Full Length 99-100% match
ccsbBroadEn_08181	ccsbBroad304_08181	454	BC110912	50805	IRX4	no errors	hORFeome V8.1 Collection	50805	IRX4	NM_016358.2	Full Length 99-100% match
ccsbBroadEn_08182	ccsbBroad304_08182		BC011789	50813	COPST7A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	50813	COPST7A	NM_001164095.1; NM_016319.2; NM_001164093.1; NM_001164094.1	Full Length 99-100% match
ccsbBroadEn_08183	ccsbBroad304_08183		BC000245	50814	NSDHL	no errors	hORFeome V8.1 Collection	50814	NSDHL	NM_001129765.1; NM_015922.2	Full Length 99-100% match
ccsbBroadEn_08184	ccsbBroad304_08184		BC130439	50832	TAS2R4	1 synonymous error	hORFeome V8.1 Collection	50832	TAS2R4	NM_016944.1	Full Length 99-100% match
ccsbBroadEn_08185	ccsbBroad304_08185		BC098353	50836	TAS2R8	no errors	hORFeome V8.1 Collection	50836	TAS2R8	NM_023918.1	Full Length 99-100% match
ccsbBroadEn_08186	ccsbBroad304_08186	454	BC101762	50839	TAS2R10	early stop codon	hORFeome V8.1 Mutant Subcollection	50839	TAS2R10	NM_023921.1	Full Length 99-100% match
ccsbBroadEn_08187	ccsbBroad304_08187		BC103699	50840	TAS2R14	no errors	hORFeome V8.1 Collection	50840	TAS2R14	NM_023922.1	Full Length 99-100% match
ccsbBroadEn_08188	ccsbBroad304_08188		BC017660	50854	C6orf48	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	50854	C6orf48	NM_001040438.1; NM_001040437.1	Full Length 99-100% match
ccsbBroadEn_08189	ccsbBroad304_08189		BC117439,BC117441	50856	CLEC4A	no errors	hORFeome V8.1 Collection	50856	CLEC4A	NM_016184.3	Full Length 99-100% match
ccsbBroadEn_08190	ccsbBroad304_08190		BC018104	50862	RNF141	no errors	hORFeome V8.1 Collection	50862	RNF141	NM_016422.3	Full Length 99-100% match



ccsbBroadEn_08191	ccsbBroad304_08191		BC050716	50863	NTM	no errors	hORFeome V8.1 Collection	50863	NTM	NM_001144059.1	Full Length 99-100% match
ccsbBroadEn_08192	ccsbBroad304_08192		BC016556	50999	TMED5	no errors	hORFeome V8.1 Collection	50999	TMED5	NM_016040.4	Full Length 99-100% match
ccsbBroadEn_08193	ccsbBroad304_08193		BC006973	51000	SLC35B3	no errors	hORFeome V8.1 Collection	51000	SLC35B3	NM_015948.3; NM_001142540.1; NM_001142541.1	Full Length 99-100% match
ccsbBroadEn_08194	ccsbBroad304_08194		BC002437	51010	EXOSC3	no errors	hORFeome V8.1 Collection	51010	EXOSC3	NM_016042.2	Full Length 99-100% match
ccsbBroadEn_08195	ccsbBroad304_08195		BC010889	51019	CCDC53	no errors	hORFeome V8.1 Collection	51019	CCDC53	NM_016053.2	Full Length 99-100% match
ccsbBroadEn_08196	ccsbBroad304_08196	454	BC066332	51020	HDDC2	no errors	hORFeome V8.1 Collection	51020	HDDC2	NM_016063.2	Full Length 99-100% match
ccsbBroadEn_08197	ccsbBroad304_08197		BC012455	51026	GOLT1B	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51026	GOLT1B	NM_016072.4	Full Length 99-100% match
ccsbBroadEn_08198	ccsbBroad304_08198	454	BC050439	51028	VPS36	1 synonomous error	hORFeome V8.1 Collection	51028	VPS36	NM_016075.2	Full Length 99-100% match
ccsbBroadEn_08199	ccsbBroad304_08199		BC015848	51031	GLOD4	no errors	hORFeome V8.1 Collection	51031	GLOD4	NM_016080.3	Full Length 99-100% match
ccsbBroadEn_08200	ccsbBroad304_08200		BC113540,BC113542	51032	CELA2B	no errors	hORFeome V8.1 Collection	51032	CELA2B	NM_015849.2	Full Length 99-100% match
ccsbBroadEn_08201	ccsbBroad304_08201		BC001372	51035	UBXN1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51035	UBXN1	NM_015853.3	Full Length 99-100% match
ccsbBroadEn_08202	ccsbBroad304_08202		BC012070	51043	ZBTB7B	no errors	hORFeome V8.1 Collection	51043	ZBTB7B	NM_015872.2	Full Length 99-100% match
ccsbBroadEn_08203	ccsbBroad304_08203		BC065564	51056	LAP3	no errors	hORFeome V8.1 Collection	51056	LAP3	NM_015907.2	Full Length 99-100% match
ccsbBroadEn_08204	ccsbBroad304_08204	454	BC093752	51057	C2orf86	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51057	C2orf86	NM_001042692.1	Full Length 99-100% match
ccsbBroadEn_08205	ccsbBroad304_08205		BC008913	51060	TXNDC12	no errors	hORFeome V8.1 Collection	51060	TXNDC12	NM_015913.2	Full Length 99-100% match
ccsbBroadEn_08206	ccsbBroad304_08206		BC010708	51062	ATL1	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51062	ATL1	NM_015915.4	Full Length 99-100% match
ccsbBroadEn_08207	ccsbBroad304_08207		BC000039	51063	CALHM2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51063	CALHM2	NM_015916.4	Full Length 99-100% match
ccsbBroadEn_08208	ccsbBroad304_08208		BC003667	51065	RPS27L	no errors	hORFeome V8.1 Collection	51065	RPS27L	NM_015920.3	Full Length 99-100% match
ccsbBroadEn_08209	ccsbBroad304_08209		BC011249	51070	NOSIP	no errors	hORFeome V8.1 Collection	51070	NOSIP	NM_015953.3	Full Length 99-100% match
ccsbBroadEn_08210	ccsbBroad304_08210		BC070046	51072	MEMO1	no errors	hORFeome V8.1 Collection	51072	MEMO1	NM_015955.2	Full Length 99-100% match
ccsbBroadEn_08211	ccsbBroad304_08211		BC017594	51074	APIP	no errors	hORFeome V8.1 Collection	51074	APIP	NM_015957.2	Full Length 99-100% match
ccsbBroadEn_08212	ccsbBroad304_08212		BC000241	51081	MRPS7	no errors	hORFeome V8.1 Collection	51081	MRPS7	NM_015971.3	Full Length 99-100% match
ccsbBroadEn_08213	ccsbBroad304_08213		BC015319,BC018528	51082	POLR1D	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51082	POLR1D	NM_152705.1	Full Length 99-100% match
ccsbBroadEn_08214	ccsbBroad304_08214		BC030241	51083	GAL	no errors	hORFeome V8.1 Collection	51083	GAL	NM_015973.3	Full Length 99-100% match
ccsbBroadEn_08215	ccsbBroad304_08215	454	BC032865	51086	TNNI3K	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	100526835	FPGT-TNNI3K	NM_001199327.1	Full Length 99-100% match
ccsbBroadEn_08216	ccsbBroad304_08216		BC011382	51093	C1orf66	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51093	C1orf66	NM_015997.3	Full Length 99-100% match
ccsbBroadEn_08217	ccsbBroad304_08217		BC026185	51097	SCCPDH	no errors	hORFeome V8.1 Collection	51097	SCCPDH	NM_016002.2	Full Length 99-100% match
ccsbBroadEn_08218	ccsbBroad304_08218		BC009074	51101	FAM164A	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51101	FAM164A	NM_016010.2	Full Length 99-100% match
ccsbBroadEn_08219	ccsbBroad304_08219		BC001419	51102	MECR	no errors	hORFeome V8.1 Collection	51102	MECR	NM_016011.2	Full Length 99-100% match
ccsbBroadEn_08220	ccsbBroad304_08220	454	BC038390	51104	FAM108B1	early stop codon	hORFeome V8.1 Mutant Subcollection	51104	FAM108B1	NM_001025780.1	Full Length 99-100% match
ccsbBroadEn_08221	ccsbBroad304_08221		BC037302	51109	RDH11	2 synonomous errors	hORFeome V8.1 Mutant Subcollection	51109	RDH11	NM_016026.3	Full Length 99-100% match
ccsbBroadEn_08222	ccsbBroad304_08222		BC026274	51109	RDH11	no errors	hORFeome V8.1 Collection	51109	RDH11	NM_016026.3	Full Length 99-100% match
ccsbBroadEn_08223	ccsbBroad304_08223		BC005182	51118	UTP11L	no errors	hORFeome V8.1 Collection	51118	UTP11L	NM_016037.3	Full Length 99-100% match
ccsbBroadEn_08224	ccsbBroad304_08224		BC046131	51122	COMMD2	no errors	hORFeome V8.1 Collection	51122	COMMD2	NM_016094.3	Full Length 99-100% match
ccsbBroadEn_08225	ccsbBroad304_08225		BC012032	51125	GOLGA7	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51125	GOLGA7	NM_001002296.1; NM_016099.2	Full Length 99-100% match
ccsbBroadEn_08226	ccsbBroad304_08226		BC005181,BC008446	51126	NAA20	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51126	NAA20	NM_016100.3	Full Length 99-100% match
ccsbBroadEn_08227	ccsbBroad304_08227		BC023647	51129	ANGPTL4	no errors	hORFeome V8.1 Collection	51129	ANGPTL4	NM_139314.1	Full Length 99-100% match
ccsbBroadEn_08228	ccsbBroad304_08228		BC017212	51131	PHF11	no errors	hORFeome V8.1 Collection	51131	PHF11	NM_001040444.1	Full Length 99-100% match
ccsbBroadEn_08229	ccsbBroad304_08229		BC117188,BC126173	51133	KCTD3	no errors	hORFeome V8.1 Collection	51133	KCTD3	NM_016121.3	Full Length 99-100% match
ccsbBroadEn_08230	ccsbBroad304_08230		BC013316	51135	IRAK4	no errors	hORFeome V8.1 Collection	51135	IRAK4	NM_001114182.2; NM_016123.3	Full Length 99-100% match
ccsbBroadEn_08231	ccsbBroad304_08231		BC006631	51142	CHCHD2	no errors	hORFeome V8.1 Collection	51142	CHCHD2	NM_016139.2	Full Length 99-100% match
ccsbBroadEn_08232	ccsbBroad304_08232		BC119639	51146	A4GNT	no errors	hORFeome V8.1 Collection	51146	A4GNT	NM_016161.2	Full Length 99-100% match
ccsbBroadEn_08233	ccsbBroad304_08233		BC006211,BC022375	51150	SDF4	no errors	hORFeome V8.1 Collection	51150	SDF4	NM_016176.3	Full Length 99-100% match
ccsbBroadEn_08234	ccsbBroad304_08234		BC003013	51154	MRTO4	no errors	hORFeome V8.1 Collection	51154	MRTO4	NM_016183.3	Full Length 99-100% match
ccsbBroadEn_08235	ccsbBroad304_08235		BC034766	51161	C3orf18	no errors	hORFeome V8.1 Collection	51161	C3orf18	NM_016210.4; NM_001171740.2; NM_001171741.2	Full Length 99-100% match
ccsbBroadEn_08236	ccsbBroad304_08236		BC012377	51162	EGFL7	no errors	hORFeome V8.1 Collection	51162	EGFL7	NM_016215.3;	Full Length 99-100% match
ccsbBroadEn_08237	ccsbBroad304_08237		BC009472	51163	DBR1	no errors	hORFeome V8.1 Collection	51163	DBR1	NM_201446.1	Full Length 99-100% match
ccsbBroadEn_08238	ccsbBroad304_08238		BC026323	51164	DCTN4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51164	DCTN4	NM_016216.3	Full Length 99-100% match
ccsbBroadEn_08239	ccsbBroad304_08239		BC014327,BC021673	51170	HSD17B11	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51170	HSD17B11	NM_016221.3	Full Length 99-100% match
ccsbBroadEn_08240	ccsbBroad304_08240		BC036001	51170	HSD17B11	no errors	hORFeome V8.1 Collection	51170	HSD17B11	NM_016245.3	Full Length 99-100% match
ccsbBroadEn_08241	ccsbBroad304_08241		BC020863	51179	HAO2	no errors	hORFeome V8.1 Collection	51179	HAO2	NM_001005783.1; NM_016527.2	Full Length 99-100% match
ccsbBroadEn_08242	ccsbBroad304_08242		BC008416	51184	GPN3	no errors	hORFeome V8.1 Collection	51184	GPN3	NM_016301.3	Full Length 99-100% match
ccsbBroadEn_08243	ccsbBroad304_08243		BC031024	51184	GPN3	no errors	hORFeome V8.1 Collection	51184	GPN3	NM_016301.3	Full Length 99-100% match
ccsbBroadEn_08244	ccsbBroad304_08244		BC067811	51185	CRBN	no errors	hORFeome V8.1 Collection	51185	CRBN	NM_001173482.1	Full Length 99-100% match
ccsbBroadEn_08245	ccsbBroad304_08245		BC009593,BC016725	51187	RSL24D1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51187	RSL24D1	NM_016304.2	Full Length 99-100% match
ccsbBroadEn_08246	Failed LR reaction	454	BC140716	51191	HERC5	no errors	hORFeome V8.1 Collection	51191	HERC5	NM_016323.2	Full Length 99-100% match
ccsbBroadEn_08247	ccsbBroad304_08247		BC020500	51193	ZNF639	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51193	ZNF639	NM_016331.1	Full Length 99-100% match
ccsbBroadEn_08248	ccsbBroad304_08248		BC033776	51194	IPO11	no errors	hORFeome V8.1 Collection	51194	IPO11	NM_016338.4	Full Length 99-100% match
ccsbBroadEn_08249	ccsbBroad304_08249	454	BC090932	51199	NIN	no errors	hORFeome V8.1 Collection	51199	NIN	NM_016350.4	Full Length 99-100% match
ccsbBroadEn_08250	ccsbBroad304_08250		BC052289	51200	CPA4	no errors	hORFeome V8.1 Collection	51200	CPA4	NM_016352.3	Full Length 99-100% match
ccsbBroadEn_08251	ccsbBroad304_08251		BC034686	51205	ACP6	no errors	hORFeome V8.1 Collection	51205	ACP6	NM_016361.3	Full Length 99-100% match
ccsbBroadEn_08252	ccsbBroad304_08252		BC009965	51205	ACP6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51205	ACP6	NM_016361.3	Full Length 99-100% match
ccsbBroadEn_08253	ccsbBroad304_08253	454	BC104832	51206	GP6	no errors	hORFeome V8.1 Collection	51206	GP6	NM_016363.4	Full Length 99-100% match
ccsbBroadEn_08254	ccsbBroad304_08254		BC009778	51207	DUSP13	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51207	DUSP13	NM_016364.3	Full Length 99-100% match
ccsbBroadEn_08255	ccsbBroad304_08255		BC036105	51222	ZNF219	no errors	hORFeome V8.1 Collection	51222	ZNF219	NM_016423.2; NM_001102454.1;	Full Length 99-100% match
ccsbBroadEn_08256	ccsbBroad304_08256		BC036022	51224	TCEB3B	no errors	hORFeome V8.1 Collection	51224	TCEB3B	NM_001101672.1	Full Length 99-100% match
ccsbBroadEn_08257	ccsbBroad304_08257		BC103911	51224	TCEB3B	no errors	hORFeome V8.1 Collection	51224	TCEB3B	NM_016427.2	Full Length 99-100% match
ccsbBroadEn_08258	ccsbBroad304_08258	454	BC150178	51230	PHF20	no errors	hORFeome V8.1 Collection	51230	PHF20	NM_016436.4	Full Length 99-100% match
ccsbBroadEn_08259	ccsbBroad304_08259		BC031303	51239	ANKRD39	no errors	hORFeome V8.1 Collection	51239	ANKRD39	NM_016466.5	Full Length 99-100% match
ccsbBroadEn_08260	ccsbBroad304_08260		BC012996	51248	PDZD11	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	51248	PDZD11	NM_016484.4	Full Length 99-100% match
ccsbBroadEn_08261	ccsbBroad304_08261		BC015856	51251	NT5C3	no errors	hORFeome V8.1 Collection	51251	NT5C3	NM_001166118.1	Full Length 99-100% match
ccsbBroadEn_08262	ccsbBroad304_08262		BC000041	51253	MRPL37	no errors	hORFeome V8.1 Collection	51253	MRPL37	NM_016491.3	Full Length 99-100% match
ccsbBroadEn_08263	ccsbBroad304_08263		BC011010	51259	TMEM216	no errors	hORFeome V8.1 Collection	51259	TMEM216	NM_016499.5	Full Length 99-100% match
ccsbBroadEn_08264	ccsbBroad304_08264		BC022391	51263	MRPL30	no errors	hORFeome V8.1 Collection	51263	MRPL30	NM_145212.2	Full Length 99-100% match
ccsbBroadEn_08265	ccsbBroad304_08265		BC029554	51266	CLEC1B	no errors	hORFeome V8.1 Collection	51266	CLEC1B	NM_001099431.1	Full Length 99-100% match
ccsbBroadEn_08266	ccsbBroad304_08266		BC027622	51268	PIPOX	1 synonomous error	hORFeome V8.1 Collection	51268	PIPOX	NM_016518.2	Full Length 99-100% match
ccsbBroadEn_08267	ccsbBroad304_08267		BC030662	51274	KLF3	no errors	hORFeome V8.1 Collection	51274	KLF3	NM_016531.5	Full Length 99-100% match
ccsbBroadEn_08268	ccsbBroad304_08268		BC114479	51276	ZNF571	no errors	hORFeome V8.1 Collection	51276	ZNF571	NM_016536.3	Full Length 99-100% match
ccsbBroadEn_08269	ccsbBroad304_08269		BC034049	51277	DNAJC27	no errors	hORFeome V8.1 Collection	51277	DNAJC27	NM_016544.2	Full Length 99-100% match
ccsbBroadEn_08270	ccsbBroad304_08270		BC000785,BC036709	51282	SCAND1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51282	SCAND1	NM_016558.2;	Full Length 99-100% match
ccsbBroadEn_08271	Failed LR reaction		BC033651	51284	TLR7	1 synonomous error	hORFeome V8.1 Collection	51284	TLR7	NM_033630.1	Full Length 99-100% match
ccsbBroadEn_08272	ccsbBroad304_08272		BC053734	51285	RASL12	no errors	hORFeome V8.1 Collection	51285	RASL12	NM_016562.3	Full Length 99-100% match



ccsbBroadEn_08273	ccsbBroad304_08273		BC010358	51302	CYP39A1	no errors	hORFeome V8.1 Collection	51302	CYP39A1	NM_016593.3	Full Length 99-100% match
ccsbBroadEn_08274	ccsbBroad304_08274		BC020565	51310	SLC22A17	1 synonymous error	hORFeome V8.1 Collection	51310	SLC22A17	NM_020372.2	Full Length 99-100% match
ccsbBroadEn_08275	ccsbBroad304_08275		BC101075	51311	TLR8	no errors	hORFeome V8.1 Collection	51311	TLR8	NM_138636.4	Full Length 99-100% match
ccsbBroadEn_08276	ccsbBroad304_08276		BC132799,BC132801	51312	SLC25A37	no errors	hORFeome V8.1 Collection	51312	SLC25A37	NM_016612.2	Full Length 99-100% match
ccsbBroadEn_08277	ccsbBroad304_08277		BC012205	51316	PLAC8	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51316	PLAC8	NM_016619.2; NM_001130715.1; NM_001130716.1	Full Length 99-100% match
ccsbBroadEn_08278	ccsbBroad304_08278		BC020651	51318	MRPL35	no errors	hORFeome V8.1 Collection	51318	MRPL35	NM_145644.2	Full Length 99-100% match
ccsbBroadEn_08279	ccsbBroad304_08279		BC033732	51364	ZMYND10	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51364	ZMYND10	NM_015896.2	Full Length 99-100% match
ccsbBroadEn_08280	ccsbBroad304_08280		BC012505	51367	POP5	no errors	hORFeome V8.1 Collection	51367	POP5	NM_015918.3	Full Length 99-100% match
ccsbBroadEn_08281	ccsbBroad304_08281		BC025369	51377	UCHL5	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51377	UCHL5	NM_001199262.1	Full Length 99-100% match
ccsbBroadEn_08282	ccsbBroad304_08282		BC001411	51382	ATP6V1D	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51382	ATP6V1D	NM_015994.3	Full Length 99-100% match
ccsbBroadEn_08283	ccsbBroad304_08283		BC031002	51382	ATP6V1D	no errors	hORFeome V8.1 Collection	51382	ATP6V1D	NM_015994.3	Full Length 99-100% match
ccsbBroadEn_08284	ccsbBroad304_08284		BC025373	51382	ATP6V1D	no errors	hORFeome V8.1 Collection	51382	ATP6V1D	NM_015994.3	Full Length 99-100% match
ccsbBroadEn_08285	ccsbBroad304_08285		BC015802	51389	RWDD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51389	RWDD1	NM_015952.2	Full Length 99-100% match
ccsbBroadEn_08286	ccsbBroad304_08286		BC005179	51397	COMMD10	1 synonymous error	hORFeome V8.1 Collection	51397	COMMD10	NM_016144.2	Full Length 99-100% match
ccsbBroadEn_08287	ccsbBroad304_08287		BC000781	51409	HEMK1	no errors	hORFeome V8.1 Collection	51409	HEMK1	NM_016173.3	Full Length 99-100% match
ccsbBroadEn_08288	ccsbBroad304_08288		BC047686	51411	BIN2	no errors	hORFeome V8.1 Collection	51411	BIN2	NM_016293.2	Full Length 99-100% match
ccsbBroadEn_08289	ccsbBroad304_08289		BC068598	51422	PRKAG2	no errors	hORFeome V8.1 Collection	51422	PRKAG2	NM_001040633.1	Full Length 99-100% match
ccsbBroadEn_08290	ccsbBroad304_08290		BC005022	51429	SNX9	no errors	hORFeome V8.1 Collection	51429	SNX9	NM_016224.3	Full Length 99-100% match
ccsbBroadEn_08291	ccsbBroad304_08291		BC030827	51440	HPCAL4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51440	HPCAL4	NM_016257.2	Full Length 99-100% match
ccsbBroadEn_08292	ccsbBroad304_08292		BC019694	51447	IP6K2	no errors	hORFeome V8.1 Collection	51447	IP6K2	NM_016291.3; NM_001005909.2	Full Length 99-100% match
ccsbBroadEn_08293	ccsbBroad304_08293		BC065533	51447	IP6K2	no errors	hORFeome V8.1 Collection	51447	IP6K2	NM_016291.3; NM_001005909.2	Full Length 99-100% match
ccsbBroadEn_08294	ccsbBroad304_08294		BC033815	51449	PCYOX1	no errors	hORFeome V8.1 Collection	51449	PCYOX1	NM_016297.3	Full Length 99-100% match
ccsbBroadEn_08295	ccsbBroad304_08295		BC030965	51458	RHCG	no errors	hORFeome V8.1 Collection	51458	RHCG	NM_016321.1	Full Length 99-100% match
ccsbBroadEn_08296	ccsbBroad304_08296		BC013973	51465	UBE2J1	no errors	hORFeome V8.1 Collection	51465	UBE2J1	NM_016021.2	Full Length 99-100% match
ccsbBroadEn_08297	ccsbBroad304_08297		BC065246	51478	HSD17B7	no errors	hORFeome V8.1 Collection	51478	HSD17B7	NM_016371.2	Full Length 99-100% match
ccsbBroadEn_08298	ccsbBroad304_08298		BC010308	51493	C22orf28	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51493	C22orf28	NM_014306.4	Full Length 99-100% match
ccsbBroadEn_08299	ccsbBroad304_08299		BC014952	51497	TH1L	no errors	hORFeome V8.1 Collection	51497	TH1L	NM_198976.1	Full Length 99-100% match
ccsbBroadEn_08300	ccsbBroad304_08300		BC018080	51501	C11orf73	no errors	hORFeome V8.1 Collection	51501	C11orf73	NM_016401.3	Full Length 99-100% match
ccsbBroadEn_08301	ccsbBroad304_08301		BC005187	51506	UFC1	no errors	hORFeome V8.1 Collection	51506	UFC1	NM_016406.3	Full Length 99-100% match
ccsbBroadEn_08302	ccsbBroad304_08302		BC003359	51507	C20orf43	no errors	hORFeome V8.1 Collection	51507	C20orf43	NM_016407.3	Full Length 99-100% match
ccsbBroadEn_08303	ccsbBroad304_08303		BC006974	51510	CHMP5	no errors	hORFeome V8.1 Collection	51510	CHMP5	NM_016410.5	Full Length 99-100% match
ccsbBroadEn_08304	ccsbBroad304_08304		BC033540	51514	DTL	no errors	hORFeome V8.1 Collection	51514	DTL	NM_016448.2	Full Length 99-100% match
ccsbBroadEn_08305	ccsbBroad304_08305		BC033297	51514	DTL	no errors	hORFeome V8.1 Collection	51514	DTL	NM_016448.2	Full Length 99-100% match
ccsbBroadEn_08306	ccsbBroad304_08306		BC010359	51528	JKAMP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51528	JKAMP	NM_016475.3	Full Length 99-100% match
ccsbBroadEn_08307	ccsbBroad304_08307		BC011551	51530	ZC3HC1	no errors	hORFeome V8.1 Collection	51530	ZC3HC1	NM_016478.3	Full Length 99-100% match
ccsbBroadEn_08308	ccsbBroad304_08308		BC002863	51531	C9orf156	no errors	hORFeome V8.1 Collection	51531	C9orf156	NM_016481.3	Full Length 99-100% match
ccsbBroadEn_08309	ccsbBroad304_08309		BC022002	51533	PHF7	no errors	hORFeome V8.1 Collection	51533	PHF7	NM_016483.4	Full Length 99-100% match
ccsbBroadEn_08310	ccsbBroad304_08310		BC005937,BC022536	51534	VTA1	no errors	hORFeome V8.1 Collection	51534	VTA1	NM_016485.3	Full Length 99-100% match
ccsbBroadEn_08311	ccsbBroad304_08311		BC001608,BC009300	51537	MTFP1	no errors	hORFeome V8.1 Collection	51537	MTFP1	NM_016498.3	Full Length 99-100% match
ccsbBroadEn_08312	ccsbBroad304_08312		BC007891	51540	SCLY	no errors	hORFeome V8.1 Collection	51540	SCLY	NM_016510.4	Full Length 99-100% match
ccsbBroadEn_08313	ccsbBroad304_08313		BC001219	51545	ZNF581	no errors	hORFeome V8.1 Collection	51545	ZNF581	NM_016535.3	Full Length 99-100% match
ccsbBroadEn_08314	ccsbBroad304_08314		BC017305	51547	SIRT7	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51547	SIRT7	NM_016538.2	Full Length 99-100% match
ccsbBroadEn_08315	ccsbBroad304_08315		BC000600	51550	CINP	no errors	hORFeome V8.1 Collection	51550	CINP	NM_032630.2	Full Length 99-100% match
ccsbBroadEn_08316	ccsbBroad304_08316		BC006081	51552	RAB14	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51552	RAB14	NM_016322.3	Full Length 99-100% match
ccsbBroadEn_08317	ccsbBroad304_08317		BC002510	51560	RAB6B	no errors	hORFeome V8.1 Collection	51560	RAB6B	NM_016577.3	Full Length 99-100% match
ccsbBroadEn_08318	ccsbBroad304_08318		BC066268	51561	IL23A	no errors	hORFeome V8.1 Collection	51561	IL23A	NM_016584.2	Full Length 99-100% match
ccsbBroadEn_08319	ccsbBroad304_08319		BC016821	51562	MBIP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51562	MBIP	NM_001144891.1	Full Length 99-100% match
ccsbBroadEn_08320	ccsbBroad304_08320		BC005197	51562	MBIP	no errors	hORFeome V8.1 Collection	51562	MBIP	NM_016586.2	Full Length 99-100% match
ccsbBroadEn_08321	ccsbBroad304_08321		BC017553	51567	TDP2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51567	TDP2	NM_016614.2	Full Length 99-100% match
ccsbBroadEn_08322	ccsbBroad304_08322		BC005193	51569	UFM1	1 synonymous error	hORFeome V8.1 Collection	51569	UFM1	NM_016617.2	Full Length 99-100% match
ccsbBroadEn_08323	ccsbBroad304_08323		BC016345	51571	FAM49B	no errors	hORFeome V8.1 Collection	51571	FAM49B	NM_016623.3	Full Length 99-100% match
ccsbBroadEn_08324	ccsbBroad304_08324	454	BC066945	51574	LARP7	no errors	hORFeome V8.1 Collection	51574	LARP7	NM_016648.2; NM_015454.1	Full Length 99-100% match
ccsbBroadEn_08325	ccsbBroad304_08325		BC007001	51601	LIPT1	no errors	hORFeome V8.1 Collection	51601	LIPT1	NM_145197.2; NM_145198.2; NM_015929.3; NM_145199.2; NM_145196.2	Full Length 99-100% match
ccsbBroadEn_08326	ccsbBroad304_08326	454	BC015022	51604	PIGT	no errors	hORFeome V8.1 Collection	51604	PIGT	NM_015937.4	Full Length 99-100% match
ccsbBroadEn_08327	ccsbBroad304_08327		BC009765	51614	ERGIC3	no errors	hORFeome V8.1 Collection	51614	ERGIC3	NM_015966.2	Full Length 99-100% match
ccsbBroadEn_08328	ccsbBroad304_08328		BC009566,BC010350	51616	TAF9B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51616	TAF9B	NM_015975.4	Full Length 99-100% match
ccsbBroadEn_08329	ccsbBroad304_08329		BC132749	51622	CCZ1	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51622; 221960	CCZ1; C7orf28B	NM_015622.5; NM_198097.3	Full Length 99-100% match
ccsbBroadEn_08330	ccsbBroad304_08330		BC016324	51626	DYNC2L1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51626	DYNC2L1	NM_015522.3	Full Length 99-100% match
ccsbBroadEn_08331	ccsbBroad304_08331		BC058823	51626	DYNC2L1	no errors	hORFeome V8.1 Collection	51626	DYNC2L1	NM_015522.3	Full Length 99-100% match
ccsbBroadEn_08332	ccsbBroad304_08332		BC009330	51629	SLC25A39	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	51629	SLC25A39	NM_016016.2	Full Length 99-100% match
ccsbBroadEn_08333	ccsbBroad304_08333		BC009764	51642	MRPL48	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51642	MRPL48	NM_016055.5	Full Length 99-100% match
ccsbBroadEn_08334	ccsbBroad304_08334		BC050706	51654	CDK5RAP1	no errors	hORFeome V8.1 Collection	51654	CDK5RAP1	NM_016408.2	Full Length 99-100% match
ccsbBroadEn_08335	ccsbBroad304_08335		BC003186	51659	GINS2	no errors	hORFeome V8.1 Collection	51659	GINS2	NM_016095.2	Full Length 99-100% match
ccsbBroadEn_08336	ccsbBroad304_08336		BC005245	51668	HSPB11	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51668	HSPB11	NM_016126.2	Full Length 99-100% match
ccsbBroadEn_08337	ccsbBroad304_08337		BC109092	51702	PADI3	no errors	hORFeome V8.1 Collection	51702	PADI3	NM_016233.2	Full Length 99-100% match
ccsbBroadEn_08338	ccsbBroad304_08338		BC009611	51714	SELT	early stop codon	hORFeome V8.1 Mutant Subcollection	51714	SELT	NM_016275.3	Full Length 99-100% match
ccsbBroadEn_08339	ccsbBroad304_08339		BC014961	51727	CMPK1	no errors	hORFeome V8.1 Collection	51727	CMPK1	NM_016308.2	Full Length 99-100% match
ccsbBroadEn_08340	ccsbBroad304_08340		BC011932	51728	POLR3K	no errors	hORFeome V8.1 Collection	51728	POLR3K	NM_016310.3	Full Length 99-100% match
ccsbBroadEn_08341	ccsbBroad304_08341		BC131703	51733	UPB1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	51733	UPB1	NM_016327.2	Full Length 99-100% match
ccsbBroadEn_08342	ccsbBroad304_08342	454	BC133703	51735	RAPGEF6	1 synonymous error	hORFeome V8.1 Collection	51735	RAPGEF6	NM_001164388.1	Full Length 99-100% match
ccsbBroadEn_08343	ccsbBroad304_08343		BC025791	51738	GHRL	no errors	hORFeome V8.1 Collection	51738	GHRL	NM_016362.3	Full Length 99-100% match
ccsbBroadEn_08344	ccsbBroad304_08344		BC098296	51754	TMEM8B	no errors	hORFeome V8.1 Collection	51754	TMEM8B	NM_016446.3	Full Length 99-100% match
ccsbBroadEn_08345	ccsbBroad304_08345		BC004518	51760	SYT17	no errors	hORFeome V8.1 Collection	51760	SYT17	NM_016524.2	Full Length 99-100% match
ccsbBroadEn_08346	ccsbBroad304_08346		BC063463	51805	COQ3	no errors	hORFeome V8.1 Collection	51805	COQ3	NM_017421.3	Full Length 99-100% match
ccsbBroadEn_08347	ccsbBroad304_08347		BC046129,BC047468	51809	GALNT7	no errors	hORFeome V8.1 Collection	51809	GALNT7	NM_017423.2	Full Length 99-100% match
ccsbBroadEn_08348	ccsbBroad304_08348		BC051755	51816	CECR1	no errors	hORFeome V8.1 Collection	51816	CECR1	NM_017424.2	Full Length 99-100% match
ccsbBroadEn_08349	ccsbBroad304_08349		BC014613	53407	STX18	no errors	hORFeome V8.1 Collection	53407	STX18	NM_016930.2	Full Length 99-100% match
ccsbBroadEn_08350	ccsbBroad304_08350		BC126210	53630	BCMO1	no errors	hORFeome V8.1 Collection	53630	BCMO1	NM_017429.2	Full Length 99-100% match
ccsbBroadEn_08351	ccsbBroad304_08351		BC034703	53637	S1PR5	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	53637	S1PR5	NM_030760.4; NM_001166215.1	Full Length 99-100% match
ccsbBroadEn_08352	ccsbBroad304_08352		BC113574,BC113602	53832	IL20RA	no errors	hORFeome V8.1 Collection	53832	IL20RA	NM_014432.2	Full Length 99-100% match
ccsbBroadEn_08353	ccsbBroad304_08353		BC132888,BC132890	53836	GPR87	no errors	hORFeome V8.1 Collection	53836	GPR87	NM_023915.3	Full Length 99-100% match
ccsbBroadEn_08354	ccsbBroad304_08354		BC011765	53838	C11orf24	no errors	hORFeome V8.1 Collection	53838	C11orf24	NM_022338.3	Full Length 99-100% match



ccsbBroadEn_08355	ccsbBroad304_08355		BC005889,BC022789	53918	PELO	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	53918	PELO	NM_015946.4	Full Length 99-100% match
ccsbBroadEn_08356	ccsbBroad304_08356		BC007693	53938	PPIL3	no errors	hORFeome V8.1 Collection	53938	PPIL3	NM_130906.2	Full Length 99-100% match
ccsbBroadEn_08357	ccsbBroad304_08357	454	BC069069	53940	FTHL17	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	53940	FTHL17	NM_031894.2	Full Length 99-100% match
ccsbBroadEn_08358	ccsbBroad304_08358	454	BC070095	53981	CPSF2	no errors	hORFeome V8.1 Collection	53981	CPSF2	NM_017437.1	Full Length 99-100% match
ccsbBroadEn_08359	ccsbBroad304_08359		CCSB12276	54014	BRWD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54014	BRWD1	NM_001007246.1	Full Length 99-100% match
ccsbBroadEn_08360	ccsbBroad304_08360		BC002898	54093	SETD4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54093	SETD4	NM_001007259.1	Full Length 99-100% match
ccsbBroadEn_08361	ccsbBroad304_08361		BC057829	54097	FAM3B	no errors	hORFeome V8.1 Collection	54097	FAM3B	NM_058186.3	Full Length 99-100% match
ccsbBroadEn_08362	ccsbBroad304_08362		BC015468	54149	C21orf91	no errors	hORFeome V8.1 Collection	54149	C21orf91	NM_017447.3	Full Length 99-100% match
ccsbBroadEn_08363	ccsbBroad304_08363		BC009478	54165	DCUN1D1	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54165	DCUN1D1	NM_020640.2	Full Length 99-100% match
ccsbBroadEn_08364	ccsbBroad304_08364		BC019315	54187	NANS	no errors	hORFeome V8.1 Collection	54187	NANS	NM_018946.3	Full Length 99-100% match
ccsbBroadEn_08365	ccsbBroad304_08365		BC015130	54205	CYCS	1 synonymous error	hORFeome V8.1 Collection	54205	CYCS	NM_018947.5	Full Length 99-100% match
ccsbBroadEn_08366	ccsbBroad304_08366		BC009861	54328	GPR173	no errors	hORFeome V8.1 Collection	54328	GPR173	NM_018969.5	Full Length 99-100% match
ccsbBroadEn_08367	ccsbBroad304_08367		BC030577	54329	GPR85	no errors	hORFeome V8.1 Collection	54329	GPR85	NM_018970.6; NM_001146265.1; NM_001146266.1; NM_001146267.1	Full Length 99-100% match
ccsbBroadEn_08368	ccsbBroad304_08368		BC031391	54360	CYTL1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54360	CYTL1	NM_018659.2	Full Length 99-100% match
ccsbBroadEn_08369	ccsbBroad304_08369		BC057781	54361	WNT4	no errors	hORFeome V8.1 Collection	54361	WNT4	NM_030761.4	Full Length 99-100% match
ccsbBroadEn_08370	ccsbBroad304_08370		BC004465,BC022428	54386	TERF2IP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54386	TERF2IP	NM_018975.3	Full Length 99-100% match
ccsbBroadEn_08371	ccsbBroad304_08371		BC051715	54413	NLGN3	no errors	hORFeome V8.1 Collection	54413	NLGN3	NM_018977.3	Full Length 99-100% match
ccsbBroadEn_08372	ccsbBroad304_08372		BC068450	54414	SIAE	1 synonymous error	hORFeome V8.1 Collection	54414	SIAE	NM_170601.3	Full Length 99-100% match
ccsbBroadEn_08373	ccsbBroad304_08373		BC117299	54431	DNAJC10	no errors	hORFeome V8.1 Collection	54431	DNAJC10	NM_018981.1	Full Length 99-100% match
ccsbBroadEn_08374	ccsbBroad304_08374		BC003413	54433	GAR1	1 synonymous error	hORFeome V8.1 Collection	54433	GAR1	NM_018983.3; NM_032993.2	Full Length 99-100% match
ccsbBroadEn_08375	ccsbBroad304_08375	454	BC062341	54434	SSH1	no errors	hORFeome V8.1 Collection	54434	SSH1	NM_018984.3	Full Length 99-100% match
ccsbBroadEn_08376	ccsbBroad304_08376		BC007314	54442	KCTD5	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54442	KCTD5	NM_018992.3	Full Length 99-100% match
ccsbBroadEn_08377	ccsbBroad304_08377	454	BC043391	54457	TAF7L	no errors	hORFeome V8.1 Collection	54457	TAF7L	NM_024885.3	Full Length 99-100% match
ccsbBroadEn_08378	ccsbBroad304_08378		BC073132	54463	FAM134B	no errors	hORFeome V8.1 Collection	54463	FAM134B	NM_019000.3	Full Length 99-100% match
ccsbBroadEn_08379	ccsbBroad304_08379	454	BC040001	54465	ETAA1	early stop codon	hORFeome V8.1 Mutant Subcollection	54465	ETAA1	NM_019002.3	Full Length 99-100% match
ccsbBroadEn_08380	ccsbBroad304_08380		BC071694	54466	SPIN2A	no errors	hORFeome V8.1 Collection	474343; 54466	SPIN2B; SPIN2A	NM_001006683.1; NM_001006682.1; NM_001006681.1; NM_019003.3	Full Length 99-100% match
ccsbBroadEn_08381	ccsbBroad304_08381	454	BC140833	54468	MIOS	no errors	hORFeome V8.1 Collection	54468	MIOS	NM_019005.3	Full Length 99-100% match
ccsbBroadEn_08382	ccsbBroad304_08382		BC004420	54472	TOLLIP	no errors	hORFeome V8.1 Collection	54472	TOLLIP	NM_019009.3	Full Length 99-100% match
ccsbBroadEn_08383	ccsbBroad304_08383		BC012075	54475	NLE1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54475	NLE1	NM_018096.3	Full Length 99-100% match
ccsbBroadEn_08384	ccsbBroad304_08384	454	BC075811	54482	CCDC76	no errors	hORFeome V8.1 Collection	54482	CCDC76	NM_019083.2	Full Length 99-100% match
ccsbBroadEn_08385	ccsbBroad304_08385		BC000669	54498	SMOX	no errors	hORFeome V8.1 Collection	54498	SMOX	NM_175840.1	Full Length 99-100% match
ccsbBroadEn_08386	ccsbBroad304_08386	454	BC000669	54498	SMOX	no errors	hORFeome V8.1 Collection	54498	SMOX	NM_175840.1	Full Length 99-100% match
ccsbBroadEn_08387	ccsbBroad304_08387		BC126261	54502	RBM47	no errors	hORFeome V8.1 Collection	54502	RBM47	NM_001098634.1	Full Length 99-100% match
ccsbBroadEn_08388	ccsbBroad304_08388		BC016838	54504	CPVL	no errors	hORFeome V8.1 Collection	54504	CPVL	NM_019029.2; NM_031311.3	Full Length 99-100% match
ccsbBroadEn_08389	ccsbBroad304_08389		BC056219	54505	DHX29	no errors	hORFeome V8.1 Collection	54505	DHX29	NM_019030.2	Full Length 99-100% match
ccsbBroadEn_08390	ccsbBroad304_08390		BC011873	54516	MTRF1L	no errors	hORFeome V8.1 Collection	54516	MTRF1L	NM_019041.5	Full Length 99-100% match
ccsbBroadEn_08391	ccsbBroad304_08391		BC032008	54534	MRPL50	no errors	hORFeome V8.1 Collection	54534	MRPL50	NM_019051.2	Full Length 99-100% match
ccsbBroadEn_08392	ccsbBroad304_08392		BC028395	54536	EXOC6	no errors	hORFeome V8.1 Collection	54536	EXOC6	NM_019053.4	Full Length 99-100% match
ccsbBroadEn_08393	ccsbBroad304_08393		BC119710	54544	CRCT1	no errors	hORFeome V8.1 Collection	54544	CRCT1	NM_019060.2	Full Length 99-100% match
ccsbBroadEn_08394	ccsbBroad304_08394	454	BC019861	54578	UGT1A6	no errors	hORFeome V8.1 Collection	54578	UGT1A6	NM_001072.3	Full Length 99-100% match
ccsbBroadEn_08395	ccsbBroad304_08395		BC025988	54585	LZTFL1	no errors	hORFeome V8.1 Collection	54585	LZTFL1	NM_020347.2	Full Length 99-100% match
ccsbBroadEn_08396	ccsbBroad304_08396		BC111559	54596	L1TD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54596	L1TD1	NM_001164835.1; NM_019079.4	Full Length 99-100% match
ccsbBroadEn_08397	ccsbBroad304_08397		BC026093	54622	ARL15	no errors	hORFeome V8.1 Collection	54622	ARL15	NM_019087.2	Full Length 99-100% match
ccsbBroadEn_08398	ccsbBroad304_08398		BC139784	54657	UGT1A4	no errors	hORFeome V8.1 Collection	54657	UGT1A4	NM_007120.2	Full Length 99-100% match
ccsbBroadEn_08399	ccsbBroad304_08399		BC033901	54664	TMEM106B	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	54664	TMEM106B	NM_018374.3; NM_001134232.1	Full Length 99-100% match
ccsbBroadEn_08400	ccsbBroad304_08400		BC039741	54664	TMEM106B	1 synonymous error	hORFeome V8.1 Collection	54664	TMEM106B	NM_018374.3; NM_001134232.1	Full Length 99-100% match
ccsbBroadEn_08401	ccsbBroad304_08401		BC035133	54674	LRRN3	no errors	hORFeome V8.1 Collection	54674	LRRN3	NM_001099660.1; NM_018334.4; NM_001099658.1	Full Length 99-100% match
ccsbBroadEn_08402	ccsbBroad304_08402		BC064968	54676	GTPBP2	early stop codon	hORFeome V8.1 Mutant Subcollection	54676	GTPBP2	NM_019096.3	Full Length 99-100% match
ccsbBroadEn_08403	ccsbBroad304_08403		BC032998	54682	MANSC1	no errors	hORFeome V8.1 Collection	54682	MANSC1	NM_018050.2	Full Length 99-100% match
ccsbBroadEn_08404	ccsbBroad304_08404		BC008634	54707	GPN2	no errors	hORFeome V8.1 Collection	54707	GPN2	NM_018066.3	Full Length 99-100% match
ccsbBroadEn_08405	ccsbBroad304_08405		BC007815	54707	GPN2	no errors	hORFeome V8.1 Collection	54707	GPN2	NM_018066.3	Full Length 99-100% match
ccsbBroadEn_08406	ccsbBroad304_08406		BC126197	54716	SLC6A20	no errors	hORFeome V8.1 Collection	54716	SLC6A20	NM_020208.3	Full Length 99-100% match
ccsbBroadEn_08407	ccsbBroad304_08407		BC019895	54751	FBLIM1	no errors	hORFeome V8.1 Collection	54751	FBLIM1	NM_017556.2	Full Length 99-100% match
ccsbBroadEn_08408	ccsbBroad304_08408		BC013166,BC024031	54765	TRIM44	1 synonymous error	hORFeome V8.1 Collection	54765	TRIM44	NM_017583.4	Full Length 99-100% match
ccsbBroadEn_08409	ccsbBroad304_08409	454	BC021222	54805	CNNM2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54805	CNNM2	NM_199077.1	Full Length 99-100% match
ccsbBroadEn_08410	ccsbBroad304_08410		BC064394	54808	DYM	no errors	hORFeome V8.1 Collection	54808	DYM	NM_017653.3	Full Length 99-100% match
ccsbBroadEn_08411	ccsbBroad304_08411		BC036075	54810	GIPC2	no errors	hORFeome V8.1 Collection	54810	GIPC2	NM_017655.4	Full Length 99-100% match
ccsbBroadEn_08412	ccsbBroad304_08412		BC011553	54814	QPCTL	no errors	hORFeome V8.1 Collection	54814	QPCTL	NM_001163377.1	Full Length 99-100% match
ccsbBroadEn_08413	ccsbBroad304_08413		BC005211	54819	ZCCHC10	no errors	hORFeome V8.1 Collection	54819	ZCCHC10	NM_017665.1	Full Length 99-100% match
ccsbBroadEn_08414	ccsbBroad304_08414	454	BC030781	54823	C1orf26	no errors	hORFeome V8.1 Collection	54823	C1orf26	NM_017673.6; NM_001105518.1	Full Length 99-100% match
ccsbBroadEn_08415	ccsbBroad304_08415	454	BC130282	54825	CDHR2	no errors	hORFeome V8.1 Collection	54825	CDHR2	NM_001171976.1; NM_017675.4	Full Length 99-100% match
ccsbBroadEn_08416	ccsbBroad304_08416		BC015540	54843	SYTL2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54843	SYTL2	NM_032379.3; NM_206929.2	Full Length 99-100% match
ccsbBroadEn_08417	ccsbBroad304_08417		BC067098	54845	ESRP1	no errors	hORFeome V8.1 Collection	54845	ESRP1	NM_017697.3	Full Length 99-100% match
ccsbBroadEn_08418	ccsbBroad304_08418		BC001586	54850	FBXL12	no errors	hORFeome V8.1 Collection	54850	FBXL12	NM_017703.1	Full Length 99-100% match
ccsbBroadEn_08419	ccsbBroad304_08419		BC039234	54852	PAQR5	no errors	hORFeome V8.1 Collection	54852	PAQR5	NM_001104554.1; NM_017705.3	Full Length 99-100% match
ccsbBroadEn_08420	ccsbBroad304_08420	454	BC068485	54853	WDR55	no errors	hORFeome V8.1 Collection	54853	WDR55	NM_017706.4	Full Length 99-100% match
ccsbBroadEn_08421	ccsbBroad304_08421		BC036516	54855	FAM46C	no errors	hORFeome V8.1 Collection	54855	FAM46C	NM_017709.3	Full Length 99-100% match
ccsbBroadEn_08422	ccsbBroad304_08422		BC032009	54857	GDPD2	no errors	hORFeome V8.1 Collection	54857	GDPD2	NM_017711.3	Full Length 99-100% match
ccsbBroadEn_08423	ccsbBroad304_08423		BC029793	54860	MS4A12	no errors	hORFeome V8.1 Collection	54860	MS4A12	NM_017716.2	Full Length 99-100% match
ccsbBroadEn_08424	ccsbBroad304_08424	454	BC071567	54861	SNRK	no errors	hORFeome V8.1 Collection	54861	SNRK	NM_017719.4; NM_001100594.1	Full Length 99-100% match
ccsbBroadEn_08425	ccsbBroad304_08425		BC068479	54867	TMEM214	no errors	hORFeome V8.1 Collection	54867	TMEM214	NM_017727.4	Full Length 99-100% match
ccsbBroadEn_08426	ccsbBroad304_08426		BC030652	54881	TEX10	no errors	hORFeome V8.1 Collection	54881	TEX10	NM_017746.3	Full Length 99-100% match
ccsbBroadEn_08427	ccsbBroad304_08427		BC009420	54882	ANKHD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54882	ANKHD1	NM_017978.2	Full Length 99-100% match
ccsbBroadEn_08428	ccsbBroad304_08428		BC060809	54898	ELOVL2	no errors	hORFeome V8.1 Collection	54898	ELOVL2	NM_017770.3	Full Length 99-100% match
ccsbBroadEn_08429	ccsbBroad304_08429		BC012568	54908	CCDC99	early stop codon	hORFeome V8.1 Mutant Subcollection	54908	CCDC99	NM_017785.4	Full Length 99-100% match



ccsbBroadEn_08430	ccsbBroad304_08430	454	BC109103	54910	SEMA4C	no errors	hORFeome V8.1 Collection	54910	SEMA4C	NM_017789.4	Full Length 99-100% match
ccsbBroadEn_08431	ccsbBroad304_08431		BC005210	54929	TMEM161A	no errors	hORFeome V8.1 Collection	54929	TMEM161A	NM_017814.1	Full Length 99-100% match
ccsbBroadEn_08432	ccsbBroad304_08432		BC042912	54938	SARS2	no errors	hORFeome V8.1 Collection	54938	SARS2	NM_017827.3	Full Length 99-100% match
ccsbBroadEn_08433	ccsbBroad304_08433		BC009039	54946	SLC41A3	no errors	hORFeome V8.1 Collection	54946	SLC41A3	NM_001008485.1	Full Length 99-100% match
ccsbBroadEn_08434	ccsbBroad304_08434		BC002469	54964	C1orf56	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	54964	C1orf56	NM_017860.3	Full Length 99-100% match
ccsbBroadEn_08435	ccsbBroad304_08435	454	BC002748	54968	TMEM70	1 synonymous error	hORFeome V8.1 Collection	54968	TMEM70	NM_017866.5	Full Length 99-100% match
ccsbBroadEn_08436	ccsbBroad304_08436		BC010367	54969	C4orf27	no errors	hORFeome V8.1 Collection	54969	C4orf27	NM_017867.2	Full Length 99-100% match
ccsbBroadEn_08437	ccsbBroad304_08437		BC009424	54971	BANP	no errors	hORFeome V8.1 Collection	54971	BANP	NM_017869.3	Full Length 99-100% match
ccsbBroadEn_08438	ccsbBroad304_08438		BC013194	54977	SLC25A38	no errors	hORFeome V8.1 Collection	54977	SLC25A38	NM_017875.2	Full Length 99-100% match
ccsbBroadEn_08439	ccsbBroad304_08439		BC001366	54981	C9orf95	no errors	hORFeome V8.1 Collection	54981	C9orf95	NM_017881.2	Full Length 99-100% match
ccsbBroadEn_08440	ccsbBroad304_08440		BC015479	54984	PINX1	no errors	hORFeome V8.1 Collection	54984	PINX1	NM_017884.4	Full Length 99-100% match
ccsbBroadEn_08441	ccsbBroad304_08441		BC080178	54985	HCFC1R1	no errors	hORFeome V8.1 Collection	54985	HCFC1R1	NM_001002017.1	Full Length 99-100% match
ccsbBroadEn_08442	ccsbBroad304_08442		BC068516	54988	ACSM5	no errors	hORFeome V8.1 Collection	54988	ACSM5	NM_017888.2	Full Length 99-100% match
ccsbBroadEn_08443	ccsbBroad304_08443		BC071603	54989	ZNF770	no errors	hORFeome V8.1 Collection	54989	ZNF770	NM_014106.3	Full Length 99-100% match
ccsbBroadEn_08444	ccsbBroad304_08444		BC041620	54993	ZSCAN2	no errors	hORFeome V8.1 Collection	54993	ZSCAN2	NM_017894.5	Full Length 99-100% match
ccsbBroadEn_08445	ccsbBroad304_08445		BC032120	54994	C20orf11	no errors	hORFeome V8.1 Collection	54994	C20orf11	NM_017896.2	Full Length 99-100% match
ccsbBroadEn_08446	ccsbBroad304_08446		BC016859	54996	MOSC2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	54996	MOSC2	NM_017898.3	Full Length 99-100% match
ccsbBroadEn_08447	ccsbBroad304_08447		BC068515	55002	TMCO3	no errors	hORFeome V8.1 Collection	55002	TMCO3	NM_017905.4	Full Length 99-100% match
ccsbBroadEn_08448	ccsbBroad304_08448		BC119683	55005	RMND1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	55005	RMND1	NM_017909.2	Full Length 99-100% match
ccsbBroadEn_08449	ccsbBroad304_08449		BC010365	55006	TRMT61B	no errors	hORFeome V8.1 Collection	55006	TRMT61B	NM_017910.3	Full Length 99-100% match
ccsbBroadEn_08450	ccsbBroad304_08450		BC000952	55006	TRMT61B	no errors	hORFeome V8.1 Collection	55006	TRMT61B	NM_017910.3	Full Length 99-100% match
ccsbBroadEn_08451	ccsbBroad304_08451		BC013696	55007	FAM118A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55007	FAM118A	NM_001104595.1;	Full Length 99-100% match
ccsbBroadEn_08452	ccsbBroad304_08452		BC001108	55011	PIH1D1	no errors	hORFeome V8.1 Collection	55011	PIH1D1	NM_017911.2	Full Length 99-100% match
ccsbBroadEn_08453	ccsbBroad304_08453		BC006823,BC012563	55012	PPP2R3C	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	55012	PPP2R3C	NM_017912.2	Full Length 99-100% match
ccsbBroadEn_08454	ccsbBroad304_08454		BC032241	55024	BANK1	no errors	hORFeome V8.1 Collection	55024	BANK1	NM_001083907.2	Full Length 99-100% match
ccsbBroadEn_08455	ccsbBroad304_08455		BC047054	55026	FAM70A	no errors	hORFeome V8.1 Collection	55026	FAM70A	NM_017938.3	Full Length 99-100% match
ccsbBroadEn_08456	ccsbBroad304_08456	454	BC018730	55027	HEATR3	no errors	hORFeome V8.1 Collection	55027	HEATR3	NM_182922.2	Full Length 99-100% match
ccsbBroadEn_08457	Failed LR reaction		BC005005	55028	C17orf80	no errors	hORFeome V8.1 Collection	55028	C17orf80	NM_017941.4	Full Length 99-100% match
ccsbBroadEn_08458	ccsbBroad304_08458		BC095482	55030	FBXO34	no errors	hORFeome V8.1 Collection	55030	FBXO34	NM_017943.3;	Full Length 99-100% match
ccsbBroadEn_08459	ccsbBroad304_08459		BC013046	55032	SLC35A5	1 synonymous error	hORFeome V8.1 Collection	55032	SLC35A5	NM_152231.1	Full Length 99-100% match
ccsbBroadEn_08460	ccsbBroad304_08460		BC012079	55034	MOCOS	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55034	MOCOS	NM_017945.2	Full Length 99-100% match
ccsbBroadEn_08461	ccsbBroad304_08461		BC025263	55038	CDCA4	no errors	hORFeome V8.1 Collection	55038	CDCA4	NM_017947.2	Full Length 99-100% match
ccsbBroadEn_08462	ccsbBroad304_08462		BC011713	55039	TRMT12	no errors	hORFeome V8.1 Collection	55039	TRMT12	NM_145701.2;	Full Length 99-100% match
ccsbBroadEn_08463	ccsbBroad304_08463		BC009515,BC014316	55052	MRPL20	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55052	MRPL20	NM_017955.3	Full Length 99-100% match
ccsbBroadEn_08464	ccsbBroad304_08464		BC039867	55062	WIPI1	no errors	hORFeome V8.1 Collection	55062	WIPI1	NM_017956.3	Full Length 99-100% match
ccsbBroadEn_08465	ccsbBroad304_08465		BC060810	55065	GPR172B	no errors	hORFeome V8.1 Collection	55065	GPR172B	NM_017971.3	Full Length 99-100% match
ccsbBroadEn_08466	ccsbBroad304_08466		BC070110	55086	CXorf57	no errors	hORFeome V8.1 Collection	55086	CXorf57	NM_001104577.1;	Full Length 99-100% match
ccsbBroadEn_08467	ccsbBroad304_08467		BC069819	55089	SLC38A4	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	55089	SLC38A4	NM_018015.5	Full Length 99-100% match
ccsbBroadEn_08468	ccsbBroad304_08468		BC000593	55092	TMEM51	no errors	hORFeome V8.1 Collection	55092	TMEM51	NM_018018.4;	Full Length 99-100% match
ccsbBroadEn_08469	ccsbBroad304_08469		BC008781	55093	WDYHV1	no errors	hORFeome V8.1 Collection	55093	WDYHV1	NM_001136216.1;	Full Length 99-100% match
ccsbBroadEn_08470	ccsbBroad304_08470		BC035605	55106	SLFN12	no errors	hORFeome V8.1 Collection	55106	SLFN12	NM_001136217.1;	Full Length 99-100% match
ccsbBroadEn_08471	ccsbBroad304_08471		BC032844	55109	AGGF1	no errors	hORFeome V8.1 Collection	55109	AGGF1	NM_018022.2;	Full Length 99-100% match
ccsbBroadEn_08472	ccsbBroad304_08472		BC014491	55112	WDR60	no errors	hORFeome V8.1 Collection	55112	WDR60	NM_001136218.1	Full Length 99-100% match
ccsbBroadEn_08473	Failed LR reaction	454	BC140846	55130	ARMC4	no errors	hORFeome V8.1 Collection	55130	ARMC4	NM_018024.1	Full Length 99-100% match
ccsbBroadEn_08474	ccsbBroad304_08474		BC042608	55138	FAM90A1	no errors	hORFeome V8.1 Collection	55138	FAM90A1	NM_018042.3	Full Length 99-100% match
ccsbBroadEn_08475	ccsbBroad304_08475	454	BC010903	55142	HAUS2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55142	HAUS2	NM_018046.4	Full Length 99-100% match
ccsbBroadEn_08476	ccsbBroad304_08476		BC016944	55143	CDCA8	no errors	hORFeome V8.1 Collection	55143	CDCA8	NM_018051.4	Full Length 99-100% match
ccsbBroadEn_08477	ccsbBroad304_08477	454	BC061703	55149	MTPAP	no errors	hORFeome V8.1 Collection	55149	MTPAP	NM_018076.2	Full Length 99-100% match
ccsbBroadEn_08478	ccsbBroad304_08478		BC051004,BC069693	55150	C19orf73	no errors	hORFeome V8.1 Collection	55150	C19orf73	NM_018088.3	Full Length 99-100% match
ccsbBroadEn_08479	ccsbBroad304_08479		BC117171	55160	ARHGEF10L	no errors	hORFeome V8.1 Collection	55160	ARHGEF10L	NM_018097.2	Full Length 99-100% match
ccsbBroadEn_08480	ccsbBroad304_08480	454	BC006525	55163	PNPO	no errors	hORFeome V8.1 Collection	55163	PNPO	NM_018101.2	Full Length 99-100% match
ccsbBroadEn_08481	ccsbBroad304_08481		BC008947	55165	CEP55	no errors	hORFeome V8.1 Collection	55165	CEP55	NM_018109.3	Full Length 99-100% match
ccsbBroadEn_08482	ccsbBroad304_08482	454	BC073866	55170	PRMT6	early stop codon	hORFeome V8.1 Mutant Subcollection	55170	PRMT6	NM_001011722.2	Full Length 99-100% match
ccsbBroadEn_08483	ccsbBroad304_08483	454	BC034470	55175	KLHL11	no errors	hORFeome V8.1 Collection	55175	KLHL11	NM_018129.3	Full Length 99-100% match
ccsbBroadEn_08484	ccsbBroad304_08484		BC011550	55178	RNMTL1	no errors	hORFeome V8.1 Collection	55178	RNMTL1	NM_018131.4;	Full Length 99-100% match
ccsbBroadEn_08485	ccsbBroad304_08485		BC050614	55178	RNMTL1	no errors	hORFeome V8.1 Collection	55178	RNMTL1	NM_001127182.1	Full Length 99-100% match
ccsbBroadEn_08486	ccsbBroad304_08486		BC009942	55190	NUDT11	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55190	NUDT11	NM_018137.2	Full Length 99-100% match
ccsbBroadEn_08487	ccsbBroad304_08487		BC006241	55194	FAM176B	no errors	hORFeome V8.1 Collection	55194	FAM176B	NM_018143.1	Full Length 99-100% match
ccsbBroadEn_08488	ccsbBroad304_08488	454	BC140819	55196	C12orf35	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55196	C12orf35	NM_018146.2	Full Length 99-100% match
ccsbBroadEn_08489	ccsbBroad304_08489		BC033731	55198	APPL2	no errors	hORFeome V8.1 Collection	55198	APPL2	NM_018146.2	Full Length 99-100% match
ccsbBroadEn_08490	ccsbBroad304_08490	454	BC101761	55203	LG12	no errors	hORFeome V8.1 Collection	55203	LG12	NM_018159.3	Full Length 99-100% match
ccsbBroadEn_08491	ccsbBroad304_08491		BC013870	55204	GOLPH3L	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55204	GOLPH3L	NM_018166.1	Full Length 99-100% match
ccsbBroadEn_08492	ccsbBroad304_08492		BC036076	55220	KLHDC8A	no errors	hORFeome V8.1 Collection	55220	KLHDC8A	NM_018169.3	Full Length 99-100% match
ccsbBroadEn_08493	ccsbBroad304_08493		BC024001	55222	LRRC20	no errors	hORFeome V8.1 Collection	55222	LRRC20	NM_018171.3	Full Length 99-100% match
ccsbBroadEn_08494	ccsbBroad304_08494		BC001222,BC012152	55223	TRIM62	no errors	hORFeome V8.1 Collection	55223	TRIM62	NM_018176.3	Full Length 99-100% match
ccsbBroadEn_08495	ccsbBroad304_08495		BC122862	55245	UQCC	no errors	hORFeome V8.1 Collection	55245	UQCC	NM_018178.5	Full Length 99-100% match
ccsbBroadEn_08496	ccsbBroad304_08496		BC065295	55246	CCDC25	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55246	CCDC25	NM_018203.1	Full Length 99-100% match
ccsbBroadEn_08497	ccsbBroad304_08497		BC001655	55249	YY1AP1	no errors	hORFeome V8.1 Collection	55249	YY1AP1	NM_018207.2	Full Length 99-100% match
ccsbBroadEn_08498	ccsbBroad304_08498		BC021277	55254	TMEM39A	no errors	hORFeome V8.1 Collection	55254	TMEM39A	NM_018244.4	Full Length 99-100% match
ccsbBroadEn_08499	ccsbBroad304_08499		BC008596	55266	TMEM19	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55266	TMEM19	NM_018246.2	Full Length 99-100% match
ccsbBroadEn_08500	ccsbBroad304_08500		BC044574	55268	ECHDC2	no errors	hORFeome V8.1 Collection	55268	ECHDC2	NM_001198999.1;	Full Length 99-100% match
ccsbBroadEn_08501	ccsbBroad304_08501	454	BC107875	55270	NUDT15	no errors	hORFeome V8.1 Collection	55270	NUDT15	NM_018279.3	Full Length 99-100% match
ccsbBroadEn_08502	ccsbBroad304_08502		BC006487	55272	IMP3	no errors	hORFeome V8.1 Collection	55272	IMP3	NM_001198961.1	Full Length 99-100% match
ccsbBroadEn_08503	ccsbBroad304_08503		BC006116	55275	VPS53	no errors	hORFeome V8.1 Collection	55275	VPS53	NM_018283.1	Full Length 99-100% match
ccsbBroadEn_08504	ccsbBroad304_08504		BC008746	55280	CWF19L1	no errors	hORFeome V8.1 Collection	55280	CWF19L1	NM_018285.3	Full Length 99-100% match
ccsbBroadEn_08505	ccsbBroad304_08505		BC020942	55281	TMEM140	no errors	hORFeome V8.1 Collection	55281	TMEM140	NM_018289.3	Full Length 99-100% match
ccsbBroadEn_08506	ccsbBroad304_08506	454	BC026156	55282	LRRC36	no errors	hORFeome V8.1 Collection	55282	LRRC36	NM_018294.4	Full Length 99-100% match
ccsbBroadEn_08507	ccsbBroad304_08507		BC026319	55295	KLHL26	no errors	hORFeome V8.1 Collection	55295	KLHL26	NM_018296.5	Full Length 99-100% match
ccsbBroadEn_08508	ccsbBroad304_08508	454	BC051749	55300	PI4K2B	1 synonymous error	hORFeome V8.1 Collection	55300	PI4K2B	NM_018316.1	Full Length 99-100% match
ccsbBroadEn_08509	ccsbBroad304_08509		BC050372	55301	OLAH	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55301	OLAH	NM_018323.3	Full Length 99-100% match
ccsbBroadEn_08510	ccsbBroad304_08510		BC020657	55303	GIMAP4	no errors	hORFeome V8.1 Collection	55303	GIMAP4	NM_001039702.2	Full Length 99-100% match
ccsbBroadEn_08511	ccsbBroad304_08511		BC007069	55312	RFK	no errors	hORFeome V8.1 Collection	55312	RFK	NM_018326.2	Full Length 99-100% match



ccsbBroadEn_08512	ccsbBroad304_08512		BC006289	55313	CPPED1	no errors	hORFeome V8.1 Collection	55313	CPPED1	NM_018340.2	Full Length 99-100% match
ccsbBroadEn_08513	ccsbBroad304_08513		BC060875	55314	TMEM144	no errors	hORFeome V8.1 Collection	55314	TMEM144	NM_018342.4	Full Length 99-100% match
ccsbBroadEn_08514	ccsbBroad304_08514		BC120996	55315	SLC29A3	no errors	hORFeome V8.1 Collection	55315	SLC29A3	NM_018344.5	Full Length 99-100% match
ccsbBroadEn_08515	ccsbBroad304_08515		BC011842	55319	C4orf43	no errors	hORFeome V8.1 Collection	55319	C4orf43	NM_018352.2	Full Length 99-100% match
ccsbBroadEn_08516	ccsbBroad304_08516	454	BC065544	55320	C14orf106	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55320	C14orf106	NM_018353.4	Full Length 99-100% match
ccsbBroadEn_08517	ccsbBroad304_08517		BC021215	55322	C5orf22	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55322	C5orf22	NM_018356.2	Full Length 99-100% match
ccsbBroadEn_08518	ccsbBroad304_08518		BC009253	55324	ABCF3	no errors	hORFeome V8.1 Collection	55324	ABCF3	NM_018358.2	Full Length 99-100% match
ccsbBroadEn_08519	ccsbBroad304_08519		BC005364	55328	RNLS	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55328	RNLS	NM_001031709.2	Full Length 99-100% match
ccsbBroadEn_08520	ccsbBroad304_08520		BC034991	55329	MNS1	no errors	hORFeome V8.1 Collection	55329	MNS1	NM_018365.2	Full Length 99-100% match
ccsbBroadEn_08521	ccsbBroad304_08521		BC073853	55331	ACER3	no errors	hORFeome V8.1 Collection	55331	ACER3	NM_018367.5	Full Length 99-100% match
ccsbBroadEn_08522	ccsbBroad304_08522		BC007704	55333	SYNJ2BP	1 synonymous error	hORFeome V8.1 Collection	55333	SYNJ2BP	NM_018373.2	Full Length 99-100% match
ccsbBroadEn_08523	ccsbBroad304_08523		BC064383	55334	SLC39A9	no errors	hORFeome V8.1 Collection	55334	SLC39A9	NM_018375.3	Full Length 99-100% match
ccsbBroadEn_08524	ccsbBroad304_08524		BC011732	55340	GIMAP5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55340	GIMAP5	NM_018384.4	Full Length 99-100% match
ccsbBroadEn_08525	ccsbBroad304_08525		BC017732	55342	STRBP	no errors	hORFeome V8.1 Collection	55342	STRBP	NM_001171137.1	Full Length 99-100% match
ccsbBroadEn_08526	ccsbBroad304_08526		BC001427	55343	SLC35C1	no errors	hORFeome V8.1 Collection	55343	SLC35C1	NM_001145265.1; NM_018389.4	Full Length 99-100% match
ccsbBroadEn_08527	ccsbBroad304_08527		BC005028	55344	PLCXD1	no errors	hORFeome V8.1 Collection	55344	PLCXD1	NM_018390.3	Full Length 99-100% match
ccsbBroadEn_08528	ccsbBroad304_08528	454	BC041696	55346	TCP11L1	1 synonymous error	hORFeome V8.1 Collection	55346	TCP11L1	NM_001145541.1; NM_018393.3	Full Length 99-100% match
ccsbBroadEn_08529	ccsbBroad304_08529		BC038238	55351	STK32B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55351	STK32B	NM_018401.1	Full Length 99-100% match
ccsbBroadEn_08530	ccsbBroad304_08530	454	BC012386	55352	C17orf79	no errors	hORFeome V8.1 Collection	55352	C17orf79	NM_018405.3	Full Length 99-100% match
ccsbBroadEn_08531	ccsbBroad304_08531		BC009433	55422	ZNF331	no errors	hORFeome V8.1 Collection	55422	ZNF331	NM_001079907.1; NM_018555.5; NM_001079906.1	Full Length 99-100% match
ccsbBroadEn_08532	ccsbBroad304_08532		BC064532	55423	SIRPG	no errors	hORFeome V8.1 Collection	55423	SIRPG	NM_018556.3	Full Length 99-100% match
ccsbBroadEn_08533	ccsbBroad304_08533		BC009485	55435	AP1AR	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55435	AP1AR	NM_001128426.1	Full Length 99-100% match
ccsbBroadEn_08534	ccsbBroad304_08534		BC008302	55437	STRADB	no errors	hORFeome V8.1 Collection	55437	STRADB	NM_018571.5	Full Length 99-100% match
ccsbBroadEn_08535	ccsbBroad304_08535		BC030268	55454	CSGALNACT2	1 synonymous error	hORFeome V8.1 Collection	55454	CSGALNACT2	NM_018590.3	Full Length 99-100% match
ccsbBroadEn_08536	ccsbBroad304_08536		BC003653	55486	PARL	no errors	hORFeome V8.1 Collection	55486	PARL	NM_001037369.1	Full Length 99-100% match
ccsbBroadEn_08537	ccsbBroad304_08537		BC069341	55507	GPRC5D	no errors	hORFeome V8.1 Collection	55507	GPRC5D	NM_018654.1	Full Length 99-100% match
ccsbBroadEn_08538	ccsbBroad304_08538		BC066938	55510	DDX43	no errors	hORFeome V8.1 Collection	55510	DDX43	NM_018665.2	Full Length 99-100% match
ccsbBroadEn_08539	ccsbBroad304_08539		BC010439	55515	ACCN4	no errors	hORFeome V8.1 Collection	55515	ACCN4	NM_182847.2	Full Length 99-100% match
ccsbBroadEn_08540	ccsbBroad304_08540		BC014624	55520	ELAC1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55520	ELAC1	NM_018696.2	Full Length 99-100% match
ccsbBroadEn_08541	ccsbBroad304_08541		CCSB53374	55521	TRIM36	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55521	TRIM36	NM_018700.3	Full Length 99-100% match
ccsbBroadEn_08542	ccsbBroad304_08542		BC007955	55526	DHTKD1	no errors	hORFeome V8.1 Collection	55526	DHTKD1	NM_018706.5	Full Length 99-100% match
ccsbBroadEn_08543	ccsbBroad304_08543		BC126137	55554	KLK15	no errors	hORFeome V8.1 Collection	55554	KLK15	NM_017509.2	Full Length 99-100% match
ccsbBroadEn_08544	ccsbBroad304_08544		BC012116	55565	ZNF821	early stop codon	hORFeome V8.1 Mutant Subcollection	55565	ZNF821	NM_017530.1	Full Length 99-100% match
ccsbBroadEn_08545	ccsbBroad304_08545	454	BC064421	55571	C2orf29	no errors	hORFeome V8.1 Collection	55571	C2orf29	NM_017546.4	Full Length 99-100% match
ccsbBroadEn_08546	ccsbBroad304_08546		BC013902	55572	FOXRED1	no errors	hORFeome V8.1 Collection	55572	FOXRED1	NM_017547.3	Full Length 99-100% match
ccsbBroadEn_08547	ccsbBroad304_08547		BC030686	55578	FAM48A	no errors	hORFeome V8.1 Collection	55578	FAM48A	NM_001014286.2	Full Length 99-100% match
ccsbBroadEn_08548	ccsbBroad304_08548		BC113549,BC113575	55584	CHRNA9	no errors	hORFeome V8.1 Collection	55584	CHRNA9	NM_017581.2	Full Length 99-100% match
ccsbBroadEn_08549	ccsbBroad304_08549	454	BC065918	55596	ZCCHC8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55596	ZCCHC8	NM_017612.2	Full Length 99-100% match
ccsbBroadEn_08550	ccsbBroad304_08550	454	BC051728	55609	ZNF280C	no errors	hORFeome V8.1 Collection	55609	ZNF280C	NM_017666.4	Full Length 99-100% match
ccsbBroadEn_08551	ccsbBroad304_08551		BC017888	55610	CCDC132	no errors	hORFeome V8.1 Collection	55610	CCDC132	NM_024553.2	Full Length 99-100% match
ccsbBroadEn_08552	ccsbBroad304_08552		BC060786	55616	ASAP3	no errors	hORFeome V8.1 Collection	55616	ASAP3	NM_017707.3	Full Length 99-100% match
ccsbBroadEn_08553	ccsbBroad304_08553	454	BC000795	55620	STAP2	no errors	hORFeome V8.1 Collection	55620	STAP2	NM_001013841.1	Full Length 99-100% match
ccsbBroadEn_08554	ccsbBroad304_08554		BC063791	55622	TTC27	no errors	hORFeome V8.1 Collection	55622	TTC27	NM_017735.4	Full Length 99-100% match
ccsbBroadEn_08555	ccsbBroad304_08555		BC001471	55624	POMGNT1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55624	POMGNT1	NM_017739.3	Full Length 99-100% match
ccsbBroadEn_08556	ccsbBroad304_08556		BC018772	55625	ZDHHC7	no errors	hORFeome V8.1 Collection	55625	ZDHHC7	NM_001145548.1	Full Length 99-100% match
ccsbBroadEn_08557	ccsbBroad304_08557		BC045609	55626	AMBRA1	no errors	hORFeome V8.1 Collection	55626	AMBRA1	NM_017749.2	Full Length 99-100% match
ccsbBroadEn_08558	ccsbBroad304_08558		BC062625	55630	SLC39A4	no errors	hORFeome V8.1 Collection	55630	SLC39A4	NM_130849.2	Full Length 99-100% match
ccsbBroadEn_08559	ccsbBroad304_08559		BC109026	55633	TBC1D22B	no errors	hORFeome V8.1 Collection	55633	TBC1D22B	NM_017772.2	Full Length 99-100% match
ccsbBroadEn_08560	ccsbBroad304_08560		BC026025	55647	RAB20	no errors	hORFeome V8.1 Collection	55647	RAB20	NM_017817.1	Full Length 99-100% match
ccsbBroadEn_08561	ccsbBroad304_08561		BC013977,BC025374	55658	RNF126	no errors	hORFeome V8.1 Collection	55658	RNF126	NM_194460.2	Full Length 99-100% match
ccsbBroadEn_08562	ccsbBroad304_08562		CCSB53160	55661	DDX27	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55661	DDX27	NM_017895.7	Full Length 99-100% match
ccsbBroadEn_08563	ccsbBroad304_08563		BC014133	55664	CDC37L1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55664	CDC37L1	NM_017913.2	Full Length 99-100% match
ccsbBroadEn_08564	ccsbBroad304_08564		BC047320	55670	PEX26	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55670	PEX26	NM_017929.5; NM_001127649.2	Full Length 99-100% match
ccsbBroadEn_08565	ccsbBroad304_08565	454	BC150273	55689	YEATS2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55689	YEATS2	NM_018023.4	Full Length 99-100% match
ccsbBroadEn_08566	ccsbBroad304_08566		BC008084	55695	NSUN5	no errors	hORFeome V8.1 Collection	55695	NSUN5	NM_148956.2	Full Length 99-100% match
ccsbBroadEn_08567	ccsbBroad304_08567		BC024177	55713	ZNF334	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55713	ZNF334	NM_018102.3; NM_199441.1	Full Length 99-100% match
ccsbBroadEn_08568	ccsbBroad304_08568		BC015015	55716	LMBR1L	no errors	hORFeome V8.1 Collection	55716	LMBR1L	NM_018113.2	Full Length 99-100% match
ccsbBroadEn_08569	ccsbBroad304_08569	454	BC040469	55717	WDR11	no errors	hORFeome V8.1 Collection	55717	WDR11	NM_018117.11	Full Length 99-100% match
ccsbBroadEn_08570	ccsbBroad304_08570		BC126110	55720	TSR1	no errors	hORFeome V8.1 Collection	55720	TSR1	NM_018128.4	Full Length 99-100% match
ccsbBroadEn_08571	ccsbBroad304_08571	454	BC126466	55728	N4BP2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55728	N4BP2	NM_018177.3	Full Length 99-100% match
ccsbBroadEn_08572	ccsbBroad304_08572		BC117130	55733	HHAT	no errors	hORFeome V8.1 Collection	55733	HHAT	NM_001122834.2; NM_018194.4; NM_001170580.1	Full Length 99-100% match
ccsbBroadEn_08573	ccsbBroad304_08573		BC012759,BC041622	55734	ZFP64	no errors	hORFeome V8.1 Collection	55734	ZFP64	NM_018197.2	Full Length 99-100% match
ccsbBroadEn_08574	ccsbBroad304_08574		BC006086	55735	DNAJC11	no errors	hORFeome V8.1 Collection	55735	DNAJC11	NM_018198.3	Full Length 99-100% match
ccsbBroadEn_08575	ccsbBroad304_08575		BC001371,BC016184	55741	EDEM2	no errors	hORFeome V8.1 Collection	55741	EDEM2	NM_018217.2	Full Length 99-100% match
ccsbBroadEn_08576	ccsbBroad304_08576		BC014535	55742	PARVA	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55742	PARVA	NM_018222.3	Full Length 99-100% match
ccsbBroadEn_08577	ccsbBroad304_08577		BC022777	55750	AGK	no errors	hORFeome V8.1 Collection	55750	AGK	NM_018238.3	Full Length 99-100% match
ccsbBroadEn_08578	ccsbBroad304_08578		BC026320	55753	OGDHL	no errors	hORFeome V8.1 Collection	55753	OGDHL	NM_018245.2	Full Length 99-100% match
ccsbBroadEn_08579	ccsbBroad304_08579		BC031608	55758	RCOR3	1 synonymous error	hORFeome V8.1 Collection	55758	RCOR3	NM_001136224.2	Full Length 99-100% match
ccsbBroadEn_08580	ccsbBroad304_08580		BC068471	55760	DHX32	no errors	hORFeome V8.1 Collection	55760	DHX32	NM_018180.2	Full Length 99-100% match
ccsbBroadEn_08581	ccsbBroad304_08581		BC080612	55762	ZNF701	no errors	hORFeome V8.1 Collection	55762	ZNF701	NM_018260.2	Full Length 99-100% match
ccsbBroadEn_08582	ccsbBroad304_08582	454	BC094751	55763	EXOC1	no errors	hORFeome V8.1 Collection	55763	EXOC1	NM_018261.3; NM_001024924.1	Full Length 99-100% match
ccsbBroadEn_08583	ccsbBroad304_08583		BC003045	55764	IFT122	no errors	hORFeome V8.1 Collection	55764	IFT122	NM_052990.1	Full Length 99-100% match
ccsbBroadEn_08584	Failed LR reaction		BC106877	55765	C1orf106	no errors	hORFeome V8.1 Collection	55765	C1orf106	NM_018265.2	Full Length 99-100% match
ccsbBroadEn_08585	ccsbBroad304_08585	454	BC000953	55781	RIOK2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55781	RIOK2	NM_018343.2	Full Length 99-100% match
ccsbBroadEn_08586	ccsbBroad304_08586		BC035005	55783	FTSJD1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	55783	FTSJD1	NM_018348.5; NM_001099642.1	Full Length 99-100% match
ccsbBroadEn_08587	ccsbBroad304_08587		BC019075	55789	DEPDC1B	no errors	hORFeome V8.1 Collection	55789	DEPDC1B	NM_018369.2	Full Length 99-100% match
ccsbBroadEn_08588	ccsbBroad304_08588	454	BC024273	55794	DDX28	no errors	hORFeome V8.1 Collection	55794	DDX28	NM_018380.3	Full Length 99-100% match
ccsbBroadEn_08589	ccsbBroad304_08589		BC016614	55795	PCID2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55795	PCID2	NM_018386.2; NM_001127202.1; NM_001127203.1	Full Length 99-100% match
ccsbBroadEn_08590	ccsbBroad304_08590	454	BC137502	55799	CACNA2D3	no errors	hORFeome V8.1 Collection	55799	CACNA2D3	NM_018398.2	Full Length 99-100% match



ccsbBroadEn_08591	ccsbBroad304_08591	454	BC150161	55805	LRP2BP	no errors	hORFeome V8.1 Collection	55805	LRP2BP	NM_018409.3	Full Length 99-100% match
ccsbBroadEn_08592	ccsbBroad304_08592		BC035325	55813	UTP6	no errors	hORFeome V8.1 Collection	55813	UTP6	NM_018428.2	Full Length 99-100% match
ccsbBroadEn_08593	ccsbBroad304_08593	454	BC108306	55819	RNF130	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55819	RNF130	NM_018434.4	Full Length 99-100% match
ccsbBroadEn_08594	ccsbBroad304_08594		BC002529	55825	PECR	no errors	hORFeome V8.1 Collection	55825	PECR	NM_018441.5	Full Length 99-100% match
ccsbBroadEn_08595	ccsbBroad304_08595		BC022807	55831	TMEM111	no errors	hORFeome V8.1 Collection	55831	TMEM111	NM_018447.1	Full Length 99-100% match
ccsbBroadEn_08596	ccsbBroad304_08596		BC001245	55837	EAPP	no errors	hORFeome V8.1 Collection	55837	EAPP	NM_018453.3	Full Length 99-100% match
ccsbBroadEn_08597	ccsbBroad304_08597		BC016701	55843	ARHGAP15	no errors	hORFeome V8.1 Collection	55843	ARHGAP15	NM_018460.3	Full Length 99-100% match
ccsbBroadEn_08598	ccsbBroad304_08598		BC008212	55848	C9orf46	no errors	hORFeome V8.1 Collection	55848	C9orf46	NM_018465.2	Full Length 99-100% match
ccsbBroadEn_08599	ccsbBroad304_08599		BC069821	55855	FAM45B	no errors	hORFeome V8.1 Collection	404636	FAM45A	NM_207009.2	Full Length 99-100% match
ccsbBroadEn_08600	ccsbBroad304_08600		BC113370	55857	PLK1S1	no errors	hORFeome V8.1 Collection	55857	PLK1S1	NM_018474.4	Full Length 99-100% match
ccsbBroadEn_08601	ccsbBroad304_08601		BC001105	55861	DBNDD2	no errors	hORFeome V8.1 Collection	55861	DBNDD2	NM_001048221.2; NM_001048223.2; NM_001197139.1; NM_001197140.1	Full Length 99-100% match
ccsbBroadEn_08602	ccsbBroad304_08602		BC050433	55869	HDAC8	no errors	hORFeome V8.1 Collection	55869	HDAC8	NM_018486.2	Full Length 99-100% match
ccsbBroadEn_08603	ccsbBroad304_08603		BC009573	55871	CBWD1	no errors	hORFeome V8.1 Collection	55871	CBWD1	NM_001145355.1	Full Length 99-100% match
ccsbBroadEn_08604	ccsbBroad304_08604		BC132759	55871	CBWD1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	55871	CBWD1	NM_018491.3	Full Length 99-100% match
ccsbBroadEn_08605	ccsbBroad304_08605		BC015191	55872	PBK	no errors	hORFeome V8.1 Collection	55872	PBK	NM_018492.2	Full Length 99-100% match
ccsbBroadEn_08606	ccsbBroad304_08606		BC109210	55879	GABRQ	no errors	hORFeome V8.1 Collection	55879	GABRQ	NM_018558.2	Full Length 99-100% match
ccsbBroadEn_08607	ccsbBroad304_08607		BC033620	55892	MYNN	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55892	MYNN	NM_018657.4	Full Length 99-100% match
ccsbBroadEn_08608	ccsbBroad304_08608		BC037992	55898	UNC45A	no errors	hORFeome V8.1 Collection	55898	UNC45A	NM_018671.3	Full Length 99-100% match
ccsbBroadEn_08609	ccsbBroad304_08609		BC009824	55909	BIN3	no errors	hORFeome V8.1 Collection	55909	BIN3	NM_018688.4	Full Length 99-100% match
ccsbBroadEn_08610	ccsbBroad304_08610	454	BC119786	55911	APOB48R	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55911	APOB48R	NM_018690.2	Full Length 99-100% match
ccsbBroadEn_08611	ccsbBroad304_08611		BC115012	55914	ERBB2IP	no errors	hORFeome V8.1 Collection	55914	ERBB2IP	NM_018695.2	Full Length 99-100% match
ccsbBroadEn_08612	ccsbBroad304_08612		BC031558	55924	C1orf183	no errors	hORFeome V8.1 Collection	55924	C1orf183	NM_019099.4	Full Length 99-100% match
ccsbBroadEn_08613	ccsbBroad304_08613	454	BC039133	55958	KLHL9	no errors	hORFeome V8.1 Collection	55958	KLHL9	NM_018847.2	Full Length 99-100% match
ccsbBroadEn_08614	ccsbBroad304_08614		BC005936	55967	NDUFA12	no errors	hORFeome V8.1 Collection	55967	NDUFA12	NM_018838.3	Full Length 99-100% match
ccsbBroadEn_08615	ccsbBroad304_08615		BC005940	55970	GNNG12	no errors	hORFeome V8.1 Collection	55970	GNNG12	NM_018841.5	Full Length 99-100% match
ccsbBroadEn_08616	ccsbBroad304_08616		BC005943	55974	SLC50A1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	55974	SLC50A1	NM_018845.3	Full Length 99-100% match
ccsbBroadEn_08617	ccsbBroad304_08617		BC004402	56052	ALG1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56052	ALG1	NM_019109.4	Full Length 99-100% match
ccsbBroadEn_08618	ccsbBroad304_08618	454	BC112083	56097	PCDHGC5	no errors	hORFeome V8.1 Collection	56097	PCDHGC5	NM_032407.1	Full Length 99-100% match
ccsbBroadEn_08619	ccsbBroad304_08619	454	BC150172	56102	PCDHGB3	no errors	hORFeome V8.1 Collection	56102	PCDHGB3	NM_018924.2	Full Length 99-100% match
ccsbBroadEn_08620	ccsbBroad304_08620		BC103926	56104	PCDHGB1	no errors	hORFeome V8.1 Collection	56104	PCDHGB1	NM_032095.1	Full Length 99-100% match
ccsbBroadEn_08621	ccsbBroad304_08621	454	BC104950	56113	PCDHGA2	no errors	hORFeome V8.1 Collection	56113	PCDHGA2	NM_032009.1	Full Length 99-100% match
ccsbBroadEn_08622	ccsbBroad304_08622		BC038797	56121	PCDHB15	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	56121	PCDHB15	NM_018935.2	Full Length 99-100% match
ccsbBroadEn_08623	ccsbBroad304_08623		BC099728	56122	PCDHB14	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	56122	PCDHB14	NM_018934.2	Full Length 99-100% match
ccsbBroadEn_08624	ccsbBroad304_08624		BC130333	56129	PCDHB7	no errors	hORFeome V8.1 Collection	56129	PCDHB7	NM_018940.2	Full Length 99-100% match
ccsbBroadEn_08625	ccsbBroad304_08625		BC098139	56131	PCDHB4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	56131	PCDHB4	NM_018938.2	Full Length 99-100% match
ccsbBroadEn_08626	ccsbBroad304_08626	454	BC104817	56132	PCDHB3	no errors	hORFeome V8.1 Collection	56132	PCDHB3	NM_018937.2	Full Length 99-100% match
ccsbBroadEn_08627	ccsbBroad304_08627	454	BC104776	56134	PCDHAC2	no errors	hORFeome V8.1 Collection	56134	PCDHAC2	NM_031883.2	Full Length 99-100% match
ccsbBroadEn_08628	ccsbBroad304_08628	454	BC136785	56135	PCDHAC1	no errors	hORFeome V8.1 Collection	56135	PCDHAC1	NM_031882.2	Full Length 99-100% match
ccsbBroadEn_08629	ccsbBroad304_08629		BC113372	56137	PCDHA12	no errors	hORFeome V8.1 Collection	56137	PCDHA12	NM_031864.1	Full Length 99-100% match
ccsbBroadEn_08630	ccsbBroad304_08630	454	BC136706	56138	PCDHA11	no errors	hORFeome V8.1 Collection	56138	PCDHA11	NM_031861.1	Full Length 99-100% match
ccsbBroadEn_08631	ccsbBroad304_08631	454	BC136749	56140	PCDHA8	no errors	hORFeome V8.1 Collection	56140	PCDHA8	NM_031856.1	Full Length 99-100% match
ccsbBroadEn_08632	ccsbBroad304_08632		BC129807	56145	PCDHA3	no errors	hORFeome V8.1 Collection	56145	PCDHA3	NM_031497.1	Full Length 99-100% match
ccsbBroadEn_08633	ccsbBroad304_08633		BC029506	56158	TEX12	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56158	TEX12	NM_031275.4	Full Length 99-100% match
ccsbBroadEn_08634	ccsbBroad304_08634		BC035321	56169	GSDMC	no errors	hORFeome V8.1 Collection	56169	GSDMC	NM_031415.2	Full Length 99-100% match
ccsbBroadEn_08635	ccsbBroad304_08635		BC125063	56242	ZNF253	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	56242	ZNF253	NM_021047.2	Full Length 99-100% match
ccsbBroadEn_08636	ccsbBroad304_08636		BC062721	56246	MRAP	no errors	hORFeome V8.1 Collection	56246	MRAP	NM_178817.3	Full Length 99-100% match
ccsbBroadEn_08637	ccsbBroad304_08637		BC033787	56255	TMX4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56255	TMX4	NM_021156.2	Full Length 99-100% match
ccsbBroadEn_08638	ccsbBroad304_08638		BC014448	56260	C8orf44	no errors	hORFeome V8.1 Collection	56260	C8orf44	NM_019607.1	Full Length 99-100% match
ccsbBroadEn_08639	ccsbBroad304_08639		BC009833	56342	PPAN	no errors	hORFeome V8.1 Collection	56342	PPAN	NM_020230.5	Full Length 99-100% match
ccsbBroadEn_08640	ccsbBroad304_08640		BC032941	56478	EIF4ENIF1	no errors	hORFeome V8.1 Collection	56478	EIF4ENIF1	NM_001164502.1	Full Length 99-100% match
ccsbBroadEn_08641	ccsbBroad304_08641		BC033028	56478	EIF4ENIF1	no errors	hORFeome V8.1 Collection	56478	EIF4ENIF1	NM_019843.3; NM_001164501.1	Full Length 99-100% match
ccsbBroadEn_08642	ccsbBroad304_08642		BC032823;BC044573	56605	ERO1LB	no errors	hORFeome V8.1 Collection	56605	ERO1LB	NM_019891.3	Full Length 99-100% match
ccsbBroadEn_08643	ccsbBroad304_08643		BC018897	56606	SLC2A9	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56606	SLC2A9	NM_001001290.1	Full Length 99-100% match
ccsbBroadEn_08644	ccsbBroad304_08644		BC110414	56606	SLC2A9	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	56606	SLC2A9	NM_020041.2	Full Length 99-100% match
ccsbBroadEn_08645	ccsbBroad304_08645		BC009771	56647	BCCIP	no errors	hORFeome V8.1 Collection	56647	BCCIP	NM_078468.2	Full Length 99-100% match
ccsbBroadEn_08646	ccsbBroad304_08646		BC011703	56649	TMPRSS4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56649	TMPRSS4	NM_019894.3; NM_001173551.1	Full Length 99-100% match
ccsbBroadEn_08647	ccsbBroad304_08647		BC031331	56655	POLE4	no errors	hORFeome V8.1 Collection	56655	POLE4	NM_019896.2	Full Length 99-100% match
ccsbBroadEn_08648	ccsbBroad304_08648		BC007661	56658	TRIM39	no errors	hORFeome V8.1 Collection	56658	TRIM39	NM_172016.2	Full Length 99-100% match
ccsbBroadEn_08649	ccsbBroad304_08649	454	BC140875	56704	JPH1	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	56704	JPH1	NM_020647.2	Full Length 99-100% match
ccsbBroadEn_08650	ccsbBroad304_08650	454	BC040956	56829	ZC3HAV1	1 synonymous error	hORFeome V8.1 Collection	56829	ZC3HAV1	NM_024625.3	Full Length 99-100% match
ccsbBroadEn_08651	ccsbBroad304_08651	454	BC036502	56884	FSTL5	no errors	hORFeome V8.1 Collection	56884	FSTL5	NM_020116.3	Full Length 99-100% match
ccsbBroadEn_08652	ccsbBroad304_08652		BC028355	56890	MDM1	no errors	hORFeome V8.1 Collection	56890	MDM1	NM_017440.4	Full Length 99-100% match
ccsbBroadEn_08653	ccsbBroad304_08653		BC022257	56891	LGALS14	no errors	hORFeome V8.1 Collection	56891	LGALS14	NM_020129.2	Full Length 99-100% match
ccsbBroadEn_08654	ccsbBroad304_08654		BC011971	56894	AGPAT3	no errors	hORFeome V8.1 Collection	56894	AGPAT3	NM_020132.4; NM_001037553.1	Full Length 99-100% match
ccsbBroadEn_08655	ccsbBroad304_08655		BC002874	56896	DPYSL5	1 synonymous error	hORFeome V8.1 Collection	56896	DPYSL5	NM_020134.3	Full Length 99-100% match
ccsbBroadEn_08656	ccsbBroad304_08656		BC001953	56898	BDH2	no errors	hORFeome V8.1 Collection	56898	BDH2	NM_020139.3	Full Length 99-100% match
ccsbBroadEn_08657	ccsbBroad304_08657		BC036653	56903	PAPOLB	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56903	PAPOLB	NM_020144.4	Full Length 99-100% match
ccsbBroadEn_08658	ccsbBroad304_08658	454	BC101690	56914	OTOR	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56914	OTOR	NM_020157.2	Full Length 99-100% match
ccsbBroadEn_08659	ccsbBroad304_08659		BC007742	56915	EXOSC5	no errors	hORFeome V8.1 Collection	56915	EXOSC5	NM_020158.3	Full Length 99-100% match
ccsbBroadEn_08660	ccsbBroad304_08660		BC045534	56916	SMARCD1	no errors	hORFeome V8.1 Collection	56916	SMARCD1	NM_001128430.1; NM_001128429.1	Full Length 99-100% match
ccsbBroadEn_08661	ccsbBroad304_08661		BC131618	56918	C2orf83	no errors	hORFeome V8.1 Collection	56918	C2orf83	NM_020161.3	Full Length 99-100% match
ccsbBroadEn_08662	ccsbBroad304_08662		BC004187	56922	MCCC1	no errors	hORFeome V8.1 Collection	56922	MCCC1	NM_020166.3	Full Length 99-100% match
ccsbBroadEn_08663	ccsbBroad304_08663		BC016938	56923	NMUR2	no errors	hORFeome V8.1 Collection	56923	NMUR2	NM_020167.4	Full Length 99-100% match
ccsbBroadEn_08664	ccsbBroad304_08664		BC067776	56923	NMUR2	no errors	hORFeome V8.1 Collection	56923	NMUR2	NM_020167.4	Full Length 99-100% match
ccsbBroadEn_08665	ccsbBroad304_08665		BC005346	56925	LXN	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56925	LXN	NM_020169.3	Full Length 99-100% match
ccsbBroadEn_08666	ccsbBroad304_08666	454	BC093046	56928	SPPL2B	no errors	hORFeome V8.1 Collection	56928	SPPL2B	NM_152988.2	Full Length 99-100% match
ccsbBroadEn_08667	ccsbBroad304_08667		BC028369	56929	FEM1C	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56929	FEM1C	NM_020177.2	Full Length 99-100% match
ccsbBroadEn_08668	ccsbBroad304_08668		BC031564	56935	C11orf75	no errors	hORFeome V8.1 Collection	56935	C11orf75	NM_020179.2	Full Length 99-100% match
ccsbBroadEn_08669	ccsbBroad304_08669		BC080635	56937	PMPEA1	no errors	hORFeome V8.1 Collection	56937	PMPEA1	NM_199169.1; NM_199171.1; NM_199170.1	Full Length 99-100% match
ccsbBroadEn_08670	ccsbBroad304_08670		BC016844	56940	DUSP22	no errors	hORFeome V8.1 Collection	100134291	LOC100134291	NM_001178070.3	Full Length 99-100% match
ccsbBroadEn_08671	ccsbBroad304_08671		BC009993	56941	C3orf37	no errors	hORFeome V8.1 Collection	56941	C3orf37	NM_020187.2	Full Length 99-100% match
ccsbBroadEn_08672	ccsbBroad304_08672		BC007870	56943	ENY2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56943	ENY2	NM_020189.5	Full Length 99-100% match



ccsbBroadEn_08673	ccsbBroad304_08673		BC009296	56945	MRPS22	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56945	MRPS22	NM_020191.2	Full Length 99-100% match
ccsbBroadEn_08674	ccsbBroad304_08674	454	BC000989	56948	SDR39U1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56948	SDR39U1	NM_020195.2	Full Length 99-100% match
ccsbBroadEn_08675	ccsbBroad304_08675		BC008662	56952	PRTFDC1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56952	PRTFDC1	NM_020200.5	Full Length 99-100% match
ccsbBroadEn_08676	ccsbBroad304_08676		BC020620	56954	NIT2	no errors	hORFeome V8.1 Collection	56954	NIT2	NM_020202.4	Full Length 99-100% match
ccsbBroadEn_08677	ccsbBroad304_08677		BC128158	56955	MEPE	no errors	hORFeome V8.1 Collection	56955	MEPE	NM_020203.3; NM_001184694.1	Full Length 99-100% match
ccsbBroadEn_08678	ccsbBroad304_08678		BC015886	56963	RGMA	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	56963	RGMA	NM_001166286.1; NM_001166287.1; NM_001166288.1; NM_001166289.1	Full Length 99-100% match
ccsbBroadEn_08679	ccsbBroad304_08679		BC030614	56983	POGLUT1	no errors	hORFeome V8.1 Collection	56983	POGLUT1	NM_152305.2	Full Length 99-100% match
ccsbBroadEn_08680	ccsbBroad304_08680		BC013356	56984	PSMG2	no errors	hORFeome V8.1 Collection	56984	PSMG2	NM_020232.4	Full Length 99-100% match
ccsbBroadEn_08681	ccsbBroad304_08681		BC005171	56997	ADCK3	no errors	hORFeome V8.1 Collection	56997	ADCK3	NM_020247.4	Full Length 99-100% match
ccsbBroadEn_08682	ccsbBroad304_08682		BC022043	57002	C7orf36	no errors	hORFeome V8.1 Collection	57002	C7orf36	NM_020192.3	Full Length 99-100% match
ccsbBroadEn_08683	ccsbBroad304_08683		BC008905	57003	CCDC47	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	57003	CCDC47	NM_020198.2	Full Length 99-100% match
ccsbBroadEn_08684	ccsbBroad304_08684		BC036661	57007	CXCR7	no errors	hORFeome V8.1 Collection	57007	CXCR7	NM_020311.2	Full Length 99-100% match
ccsbBroadEn_08685	ccsbBroad304_08685		BC008837	57016	AKR1B10	no errors	hORFeome V8.1 Collection	57016	AKR1B10	NM_020299.4	Full Length 99-100% match
ccsbBroadEn_08686	ccsbBroad304_08686		BC024196	57019	CIAPIN1	no errors	hORFeome V8.1 Collection	57019	CIAPIN1	NM_020313.2	Full Length 99-100% match
ccsbBroadEn_08687	ccsbBroad304_08687		BC071740	57019	CIAPIN1	no errors	hORFeome V8.1 Collection	57019	CIAPIN1	NM_020313.2	Full Length 99-100% match
ccsbBroadEn_08688	ccsbBroad304_08688		BC001892,BC065040	57035	C1orf63	no errors	hORFeome V8.1 Collection	57035	C1orf63	NM_020317.3	Full Length 99-100% match
ccsbBroadEn_08689	ccsbBroad304_08689		BC035353	57037	ANKMY2	no errors	hORFeome V8.1 Collection	57037	ANKMY2	NM_020319.2	Full Length 99-100% match
ccsbBroadEn_08690	ccsbBroad304_08690		BC010420	57038	RARS2	no errors	hORFeome V8.1 Collection	57038	RARS2	NM_020320.3	Full Length 99-100% match
ccsbBroadEn_08691	ccsbBroad304_08691		BC020490	57045	TWSG1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	57045	TWSG1	NM_020648.5	Full Length 99-100% match
ccsbBroadEn_08692	ccsbBroad304_08692		BC011735	57048	PLSCR3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57048	PLSCR3	NM_020360.2	Full Length 99-100% match
ccsbBroadEn_08693	ccsbBroad304_08693		BC113006	57055	DAZ2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	57055	DAZ2	NM_001005785.1	Full Length 99-100% match
ccsbBroadEn_08694	ccsbBroad304_08694		BC120946	57057	TBX20	no errors	hORFeome V8.1 Collection	57057	TBX20	NM_001166220.1	Full Length 99-100% match
ccsbBroadEn_08695	ccsbBroad304_08695		BC017328	57085	AGTRAP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57085	AGTRAP	NM_001040194.1	Full Length 99-100% match
ccsbBroadEn_08696	ccsbBroad304_08696		BC033684	57094	CPA6	no errors	hORFeome V8.1 Collection	57094	CPA6	NM_020361.4	Full Length 99-100% match
ccsbBroadEn_08697	ccsbBroad304_08697		BC017280	57104	PNPLA2	no errors	hORFeome V8.1 Collection	57104	PNPLA2	NM_020376.3	Full Length 99-100% match
ccsbBroadEn_08698	ccsbBroad304_08698	454	BC069160	57105	CYSLTR2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57105	CYSLTR2	NM_020377.2	Full Length 99-100% match
ccsbBroadEn_08699	ccsbBroad304_08699		BC009274	57109	REXO4	no errors	hORFeome V8.1 Collection	57109	REXO4	NM_020385.2	Full Length 99-100% match
ccsbBroadEn_08700	ccsbBroad304_08700	454	BC048095	57110	HRASLS	no errors	hORFeome V8.1 Collection	57110	HRASLS	NM_020386.3	Full Length 99-100% match
ccsbBroadEn_08701	ccsbBroad304_08701		BC128185	57113	TRPC7	no errors	hORFeome V8.1 Collection	57113	TRPC7	NM_020389.2	Full Length 99-100% match
ccsbBroadEn_08702	ccsbBroad304_08702		BC107157	57115	PGLYRP4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57115	PGLYRP4	NM_020393.2	Full Length 99-100% match
ccsbBroadEn_08703	ccsbBroad304_08703		BC035745	57118	CAMK1D	no errors	hORFeome V8.1 Collection	57118	CAMK1D	NM_153498.2	Full Length 99-100% match
ccsbBroadEn_08704	ccsbBroad304_08704	454	BC051340	57124	CD248	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57124	CD248	NM_020404.2	Full Length 99-100% match
ccsbBroadEn_08705	ccsbBroad304_08705		BC029167	57126	CD177	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	57126	CD177	NM_020406.2	Full Length 99-100% match
ccsbBroadEn_08706	ccsbBroad304_08706	454	BC101756	57139	RGL3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57139	RGL3	NM_001035223.2	Full Length 99-100% match
ccsbBroadEn_08707	ccsbBroad304_08707		BC024179	57144	PAK7	no errors	hORFeome V8.1 Collection	57144	PAK7	NM_020341.3; NM_177990.2	Full Length 99-100% match
ccsbBroadEn_08708	ccsbBroad304_08708		BC015812	57146	TMEM159	no errors	hORFeome V8.1 Collection	57146	TMEM159	NM_020422.4	Full Length 99-100% match
ccsbBroadEn_08709	ccsbBroad304_08709		BC014662	57147	SCYL3	no errors	hORFeome V8.1 Collection	57147	SCYL3	NM_020423.5	Full Length 99-100% match
ccsbBroadEn_08710	ccsbBroad304_08710		BC017039	57149	LYRM1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57149	LYRM1	NM_020424.3; NM_001128302.1; NM_001128301.1	Full Length 99-100% match
ccsbBroadEn_08711	ccsbBroad304_08711		BC054481	57151	LYZL6	no errors	hORFeome V8.1 Collection	57151	LYZL6	NM_020426.1	Full Length 99-100% match
ccsbBroadEn_08712	ccsbBroad304_08712	454	BC136613	57156	TMEM63C	no errors	hORFeome V8.1 Collection	57156	TMEM63C	NM_020431.2	Full Length 99-100% match
ccsbBroadEn_08713	ccsbBroad304_08713	454	BC009476	57161	PELI2	1 synonymous error	hORFeome V8.1 Collection	57161	PELI2	NM_021255.2	Full Length 99-100% match
ccsbBroadEn_08714	ccsbBroad304_08714		BC063611	57162	PELI1	no errors	hORFeome V8.1 Collection	57162	PELI1	NM_020651.3	Full Length 99-100% match
ccsbBroadEn_08715	ccsbBroad304_08715		BC111714	57167	SALL4	no errors	hORFeome V8.1 Collection	57167	SALL4	NM_020436.3	Full Length 99-100% match
ccsbBroadEn_08716	ccsbBroad304_08716		BC032787	57172	CAMK1G	no errors	hORFeome V8.1 Collection	57172	CAMK1G	NM_020439.2	Full Length 99-100% match
ccsbBroadEn_08717	Failed LR reaction		BC022519	57213	C13orf1	no errors	hORFeome V8.1 Collection	57213	C13orf1	NM_001127482.1	Full Length 99-100% match
ccsbBroadEn_08718	ccsbBroad304_08718		BC103920	57216	VANGL2	no errors	hORFeome V8.1 Collection	57216	VANGL2	NM_020335.2	Full Length 99-100% match
ccsbBroadEn_08719	ccsbBroad304_08719		BC005110	57231	SNX14	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57231	SNX14	NM_020468.3	Full Length 99-100% match
ccsbBroadEn_08720	ccsbBroad304_08720		BC068589	57231	SNX14	no errors	hORFeome V8.1 Collection	57231	SNX14	NM_153816.3	Full Length 99-100% match
ccsbBroadEn_08721	ccsbBroad304_08721		BC036533	57338	JPH3	no errors	hORFeome V8.1 Collection	57338	JPH3	NM_020655.2	Full Length 99-100% match
ccsbBroadEn_08722	ccsbBroad304_08722	454	BC112110	57369	GJD2	no errors	hORFeome V8.1 Collection	57369	GJD2	NM_020660.1	Full Length 99-100% match
ccsbBroadEn_08723	ccsbBroad304_08723		BC006296	57379	AICDA	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57379	AICDA	NM_020661.2	Full Length 99-100% match
ccsbBroadEn_08724	ccsbBroad304_08724		BC033752	57404	CYP20A1	no errors	hORFeome V8.1 Collection	57404	CYP20A1	NM_177538.2	Full Length 99-100% match
ccsbBroadEn_08725	ccsbBroad304_08725		BC020616	57404	CYP20A1	no errors	hORFeome V8.1 Collection	57404	CYP20A1	NM_177538.2	Full Length 99-100% match
ccsbBroadEn_08726	ccsbBroad304_08726		BC006234	57414	RHBDD2	no errors	hORFeome V8.1 Collection	57414	RHBDD2	NM_001040457.1	Full Length 99-100% match
ccsbBroadEn_08727	ccsbBroad304_08727		BC001648	57418	WDR18	no errors	hORFeome V8.1 Collection	57418	WDR18	NM_024100.3	Full Length 99-100% match
ccsbBroadEn_08728	ccsbBroad304_08728		BC016790	57456	KIAA1143	no errors	hORFeome V8.1 Collection	57456	KIAA1143	NM_020696.3	Full Length 99-100% match
ccsbBroadEn_08729	ccsbBroad304_08729		BC070098	57462	KIAA1161	no errors	hORFeome V8.1 Collection	57462	KIAA1161	NM_020702.3	Full Length 99-100% match
ccsbBroadEn_08730	ccsbBroad304_08730		BC040879	57463	AMIGO1	no errors	hORFeome V8.1 Collection	57463	AMIGO1	NM_020703.2	Full Length 99-100% match
ccsbBroadEn_08731	ccsbBroad304_08731	454	BC022529	57467	HHATL	no errors	hORFeome V8.1 Collection	57467	HHATL	NM_020707.3	Full Length 99-100% match
ccsbBroadEn_08732	ccsbBroad304_08732		BC125129	57473	ZNF512B	no errors	hORFeome V8.1 Collection	57473	ZNF512B	NM_020713.1	Full Length 99-100% match
ccsbBroadEn_08733	ccsbBroad304_08733	454	BC125128	57473	ZNF512B	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	57473	ZNF512B	NM_020713.1	Full Length 99-100% match
ccsbBroadEn_08734	ccsbBroad304_08734		BC038586	57474	ZNF490	no errors	hORFeome V8.1 Collection	57474	ZNF490	NM_020714.2	Full Length 99-100% match
ccsbBroadEn_08735	ccsbBroad304_08735		BC107480	57476	GRAMD1B	no errors	hORFeome V8.1 Collection	57476	GRAMD1B	NM_020716.1	Full Length 99-100% match
ccsbBroadEn_08736	ccsbBroad304_08736	454	BC105931	57476	GRAMD1B	no errors	hORFeome V8.1 Collection	57476	GRAMD1B	NM_020716.1	Full Length 99-100% match
ccsbBroadEn_08737	ccsbBroad304_08737	454	BC151226	57507	ZNF608	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57507	ZNF608	NM_020747.2	Full Length 99-100% match
ccsbBroadEn_08738	ccsbBroad304_08738		CCSB53291	57509	MTUS1	1 synonymous error	hORFeome V8.1 Collection	57509	MTUS1	NM_020749.4	Full Length 99-100% match
ccsbBroadEn_08739	ccsbBroad304_08739	454	BC051723	57511	COG6	no errors	hORFeome V8.1 Collection	57511	COG6	NM_020751.2	Full Length 99-100% match
ccsbBroadEn_08740	ccsbBroad304_08740		BC028607	57515	SERINC1	no errors	hORFeome V8.1 Collection	57515	SERINC1	NM_020755.2	Full Length 99-100% match
ccsbBroadEn_08741	ccsbBroad304_08741	454	BC108307	57532	NUFIP2	no errors	hORFeome V8.1 Collection	57532	NUFIP2	NM_020772.2	Full Length 99-100% match
ccsbBroadEn_08742	ccsbBroad304_08742		BC043295	57541	ZNF398	no errors	hORFeome V8.1 Collection	57541	ZNF398	NM_170686.2	Full Length 99-100% match
ccsbBroadEn_08743	ccsbBroad304_08743	454	BC150205	57544	TXNDC16	no errors	hORFeome V8.1 Collection	57544	TXNDC16	NM_020784.2	Full Length 99-100% match
ccsbBroadEn_08744	ccsbBroad304_08744	454	BC108284	57570	TRMT5	no errors	hORFeome V8.1 Collection	57570	TRMT5	NM_020810.2	Full Length 99-100% match
ccsbBroadEn_08745	ccsbBroad304_08745		BC111560	57575	PCDH10	no errors	hORFeome V8.1 Collection	57575	PCDH10	NM_032961.1	Full Length 99-100% match
ccsbBroadEn_08746	ccsbBroad304_08746		BC131782	57579	FAM135A	no errors	hORFeome V8.1 Collection	57579	FAM135A	NM_001105531.2	Full Length 99-100% match
ccsbBroadEn_08747	ccsbBroad304_08747		BC132772	57613	KIAA1467	no errors	hORFeome V8.1 Collection	57613	KIAA1467	NM_020853.1	Full Length 99-100% match
ccsbBroadEn_08748	ccsbBroad304_08748	454	BC039267	57613	KIAA1467	no errors	hORFeome V8.1 Collection	57613	KIAA1467	NM_020853.1	Full Length 99-100% match
ccsbBroadEn_08749	ccsbBroad304_08749	454	BC152554	57620	STIM2	no errors	hORFeome V8.1 Collection	57620	STIM2	NM_001169117.1	Full Length 99-100% match
ccsbBroadEn_08750	ccsbBroad304_08750		BC022460	57626	KLHL1	no errors	hORFeome V8.1 Collection	57626	KLHL1	NM_020866.2	Full Length 99-100% match
ccsbBroadEn_08751	ccsbBroad304_08751		BC030832	57628	DPP10	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57628	DPP10	NM_020868.3	Full Length 99-100% match
ccsbBroadEn_08752	ccsbBroad304_08752		BC034947	57633	LRRN1	no errors	hORFeome V8.1 Collection	57633	LRRN1	NM_020873.5	Full Length 99-100% match
ccsbBroadEn_08753	ccsbBroad304_08753		BC131624	57645	POGK	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	57645	POGK	NM_017542.3	Full Length 99-100% match
ccsbBroadEn_08754	ccsbBroad304_08754	454	BC043352	57659	ZBTB4	no errors	hORFeome V8.1 Collection	57659	ZBTB4	NM_020899.3; NM_001128833.1	Full Length 99-100% match
ccsbBroadEn_08755	ccsbBroad304_08755		BC131628	57673	BEND3	no errors	hORFeome V8.1 Collection	57673	BEND3	NM_001080450.2	Full Length 99-100% match
ccsbBroadEn_08756	ccsbBroad304_08756		BC040341	57674	RNF213	no errors	hORFeome V8.1 Collection	57674	RNF		



ccsbBroadEn_08758	ccsbBroad304_08758		BC030783	57678	GPAM	no errors	hORFeome V8.1 Collection	57678	GPAM	NM_020918.4	Full Length 99-100% match
ccsbBroadEn_08759	ccsbBroad304_08759	454	BC050588	57692	MAGEE1	no errors	hORFeome V8.1 Collection	57692	MAGEE1	NM_020932.2	Full Length 99-100% match
ccsbBroadEn_08760	ccsbBroad304_08760		BC030020	57696	DDX55	no errors	hORFeome V8.1 Collection	57696	DDX55	NM_020936.1	Full Length 99-100% match
ccsbBroadEn_08761	ccsbBroad304_08761		BC037207	57700	FAM160B1	no errors	hORFeome V8.1 Collection	57700	FAM160B1	NM_001135051.1	Full Length 99-100% match
ccsbBroadEn_08762	ccsbBroad304_08762	454	BC093952	57703	CWC22	no errors	hORFeome V8.1 Collection	57703	CWC22	NM_020943.2	Full Length 99-100% match
ccsbBroadEn_08763	ccsbBroad304_08763		BC023251	57707	KIAA1609	no errors	hORFeome V8.1 Collection	57707	KIAA1609	NM_020947.3	Full Length 99-100% match
ccsbBroadEn_08764	ccsbBroad304_08764		BC060844	57707	KIAA1609	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	57707	KIAA1609	NM_020947.3	Full Length 99-100% match
ccsbBroadEn_08765	ccsbBroad304_08765		BC036062	57717	PCDHB16	no errors	hORFeome V8.1 Collection	57717	PCDHB16	NM_020957.1	Full Length 99-100% match
ccsbBroadEn_08766	ccsbBroad304_08766	454	BC136676	57786	RBAK	no errors	hORFeome V8.1 Collection	57786	RBAK	NM_021163.3	Full Length 99-100% match
ccsbBroadEn_08767	ccsbBroad304_08767	454	BC142988	57794	SUGP1	no errors	hORFeome V8.1 Collection	57794	SUGP1	NM_172231.2	Full Length 99-100% match
ccsbBroadEn_08768	ccsbBroad304_08768		BC019350	57798	GATAD1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	57798	GATAD1	NM_021167.3	Full Length 99-100% match
ccsbBroadEn_08769	ccsbBroad304_08769	454	BC028696	57799	RAB40C	no errors	hORFeome V8.1 Collection	57799	RAB40C	NM_001172664.1; NM_021168.4; NM_001172665.1; NM_001172663.1	Full Length 99-100% match
ccsbBroadEn_08770	ccsbBroad304_08770		BC003403	57826	RAP2C	no errors	hORFeome V8.1 Collection	57826	RAP2C	NM_021183.3	Full Length 99-100% match
ccsbBroadEn_08771	ccsbBroad304_08771		BC016853	57834	CYP4F11	no errors	hORFeome V8.1 Collection	57834	CYP4F11	NM_021187.3	Full Length 99-100% match
ccsbBroadEn_08772	ccsbBroad304_08772		BC033819	57863	CADM3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	57863	CADM3	NM_001127173.1	Full Length 99-100% match
ccsbBroadEn_08773	ccsbBroad304_08773		BC048285	57864	SLC46A2	no errors	hORFeome V8.1 Collection	57864	SLC46A2	NM_033051.3	Full Length 99-100% match
ccsbBroadEn_08774	ccsbBroad304_08774		BC017588	58191	CXCL16	no errors	hORFeome V8.1 Collection	58191	CXCL16	NM_022059.2; NM_001100812.1	Full Length 99-100% match
ccsbBroadEn_08775	ccsbBroad304_08775		BC016836	58472	SQRDL	2 synonomous errors	hORFeome V8.1 Mutant Subcollection	58472	SQRDL	NM_021199.2	Full Length 99-100% match
ccsbBroadEn_08776	ccsbBroad304_08776		BC031555	58484	NLRC4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	58484	NLRC4	NM_021209.4; NM_001199138.1; NM_001199139.1	Full Length 99-100% match
ccsbBroadEn_08777	ccsbBroad304_08777		BC012084	58488	PCTP	no errors	hORFeome V8.1 Collection	58488	PCTP	NM_021213.3	Full Length 99-100% match
ccsbBroadEn_08778	ccsbBroad304_08778		BC033629	58490	RPRD1B	no errors	hORFeome V8.1 Collection	58490	RPRD1B	NM_021215.3	Full Length 99-100% match
ccsbBroadEn_08779	ccsbBroad304_08779		BC014280	58491	ZNF71	no errors	hORFeome V8.1 Collection	58491	ZNF71	NM_021216.4	Full Length 99-100% match
ccsbBroadEn_08780	ccsbBroad304_08780		CCSB53236	58504	ARHGAP22	early stop codon	hORFeome V8.1 Mutant Subcollection	58504	ARHGAP22	NM_021226.2	Full Length 99-100% match
ccsbBroadEn_08781	ccsbBroad304_08781		BC126136,BC126138	58511	DNASE2B	no errors	hORFeome V8.1 Collection	58511	DNASE2B	NM_021233.2	Full Length 99-100% match
ccsbBroadEn_08782	ccsbBroad304_08782		BC001798	58533	SNX6	no errors	hORFeome V8.1 Collection	58533	SNX6	NM_021249.3	Full Length 99-100% match
ccsbBroadEn_08783	ccsbBroad304_08783		BC029273	58985	IL22RA1	no errors	hORFeome V8.1 Collection	58985	IL22RA1	NM_021258.2	Full Length 99-100% match
ccsbBroadEn_08784	ccsbBroad304_08784		BC066262	59067	IL21	1 synonomous error	hORFeome V8.1 Collection	59067	IL21	NM_021803.2	Full Length 99-100% match
ccsbBroadEn_08785	ccsbBroad304_08785		BC000873	59345	GNB4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	59345	GNB4	NM_021629.3	Full Length 99-100% match
ccsbBroadEn_08786	ccsbBroad304_08786		BC009921	59348	ZNF350	no errors	hORFeome V8.1 Collection	59348	ZNF350	NM_021632.3	Full Length 99-100% match
ccsbBroadEn_08787	ccsbBroad304_08787		BC003183	59349	KLHL12	no errors	hORFeome V8.1 Collection	59349	KLHL12	NM_021633.2	Full Length 99-100% match
ccsbBroadEn_08788	ccsbBroad304_08788	454	BC047905	59352	LGR6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	59352	LGR6	NM_021636.2	Full Length 99-100% match
ccsbBroadEn_08789	ccsbBroad304_08789		BC032777	60312	AFAP1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	60312	AFAP1	NM_198595.2	Full Length 99-100% match
ccsbBroadEn_08790	ccsbBroad304_08790		BC015713	60313	GPBP1L1	no errors	hORFeome V8.1 Collection	60313	GPBP1L1	NM_021639.4	Full Length 99-100% match
ccsbBroadEn_08791	ccsbBroad304_08791		BC051871	60314	C12orf10	no errors	hORFeome V8.1 Collection	60314	C12orf10	NM_021640.3	Full Length 99-100% match
ccsbBroadEn_08792	ccsbBroad304_08792		BC000877	60370	AVPI1	no errors	hORFeome V8.1 Collection	60370	AVPI1	NM_021732.2	Full Length 99-100% match
ccsbBroadEn_08793	ccsbBroad304_08793		BC026174	60412	EXOC4	no errors	hORFeome V8.1 Collection	60412	EXOC4	NM_001037126.1	Full Length 99-100% match
ccsbBroadEn_08794	ccsbBroad304_08794	454	BC056878	60487	TRMT11	no errors	hORFeome V8.1 Collection	60487	TRMT11	NM_001031712.2	Full Length 99-100% match
ccsbBroadEn_08795	ccsbBroad304_08795		BC014409	60490	PPCDC	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	60490	PPCDC	NM_021823.3	Full Length 99-100% match
ccsbBroadEn_08796	ccsbBroad304_08796		BC014573	60492	CCDC90B	no errors	hORFeome V8.1 Collection	60492	CCDC90B	NM_021825.3	Full Length 99-100% match
ccsbBroadEn_08797	ccsbBroad304_08797		BC007413	60493	FASTKD5	no errors	hORFeome V8.1 Collection	60493	FASTKD5	NM_021826.4	Full Length 99-100% match
ccsbBroadEn_08798	ccsbBroad304_08798		CCSB53357	60494	CCDC81	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	60494	CCDC81	NM_021827.4	Full Length 99-100% match
ccsbBroadEn_08799	ccsbBroad304_08799		BC112356	60495	HPSE2	no errors	hORFeome V8.1 Collection	60495	HPSE2	NM_021828.4	Full Length 99-100% match
ccsbBroadEn_08800	ccsbBroad304_08800		BC015470	60496	AASDHPPT	no errors	hORFeome V8.1 Collection	60496	AASDHPPT	NM_015423.2	Full Length 99-100% match
ccsbBroadEn_08801	ccsbBroad304_08801		BC017473	60526	C2orf43	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	60526	C2orf43	NM_021925.2	Full Length 99-100% match
ccsbBroadEn_08802	ccsbBroad304_08802		BC001939	60528	ELAC2	no errors	hORFeome V8.1 Collection	60528	ELAC2	NM_018127.6	Full Length 99-100% match
ccsbBroadEn_08803	ccsbBroad304_08803		BC008068	60672	MIIP	no errors	hORFeome V8.1 Collection	60672	MIIP	NM_021933.2	Full Length 99-100% match
ccsbBroadEn_08804	ccsbBroad304_08804		BC028101	60680	CEL5	no errors	hORFeome V8.1 Collection	60680	CEL5	NM_021938.3	Full Length 99-100% match
ccsbBroadEn_08805	ccsbBroad304_08805		CCSB53347	63027	SLC22A23	1 synonomous error	hORFeome V8.1 Collection	63027	SLC22A23	NM_021945.5	Full Length 99-100% match
ccsbBroadEn_08806	ccsbBroad304_08806		BC022938	63827	BCAN	no errors	hORFeome V8.1 Collection	63827	BCAN	NM_021948.3	Full Length 99-100% match
ccsbBroadEn_08807	ccsbBroad304_08807		BC009117	63827	BCAN	1 synonomous error	hORFeome V8.1 Collection	63827	BCAN	NM_021948.3	Full Length 99-100% match
ccsbBroadEn_08808	ccsbBroad304_08808		BC012306	63875	MRPL17	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	63875	MRPL17	NM_022061.3	Full Length 99-100% match
ccsbBroadEn_08809	ccsbBroad304_08809		BC015054	63894	VIPAR	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	63894	VIPAR	NM_022067.3; NM_001193314.1; NM_001193315.1; NM_001193317.1	Full Length 99-100% match
ccsbBroadEn_08810	ccsbBroad304_08810		BC082982	63898	SH2D4A	no errors	hORFeome V8.1 Collection	63898	SH2D4A	NM_022071.3; NM_001174159.1	Full Length 99-100% match
ccsbBroadEn_08811	ccsbBroad304_08811		BC057238	63899	NSUN3	no errors	hORFeome V8.1 Collection	63899	NSUN3	NM_022072.3	Full Length 99-100% match
ccsbBroadEn_08812	ccsbBroad304_08812	454	BC071759	63901	FAM111A	no errors	hORFeome V8.1 Collection	63901	FAM111A	NM_022074.3; NM_198847.2; NM_001142519.1; NM_001142520.1; NM_001142521.1	Full Length 99-100% match
ccsbBroadEn_08813	ccsbBroad304_08813		BC060840	63908	NAPB	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	63908	NAPB	NM_022080.2	Full Length 99-100% match
ccsbBroadEn_08814	ccsbBroad304_08814		BC032603	63920	C5orf54	1 synonomous error	hORFeome V8.1 Collection	63920	C5orf54	NM_022090.3	Full Length 99-100% match
ccsbBroadEn_08815	ccsbBroad304_08815		BC006278	63922	CHTF18	no errors	hORFeome V8.1 Collection	63922	CHTF18	NM_022092.2	Full Length 99-100% match
ccsbBroadEn_08816	ccsbBroad304_08816		BC016851	63924	CIDEC	no errors	hORFeome V8.1 Collection	63924	CIDEC	NM_022094.3; NM_001199552.1	Full Length 99-100% match
ccsbBroadEn_08817	ccsbBroad304_08817		BC022878	63926	ANKRD5	no errors	hORFeome V8.1 Collection	63926	ANKRD5	NM_022096.4; NM_198798.1	Full Length 99-100% match
ccsbBroadEn_08818	ccsbBroad304_08818		BC023506	63932	CXorf56	no errors	hORFeome V8.1 Collection	63932	CXorf56	NM_022101.3	Full Length 99-100% match
ccsbBroadEn_08819	ccsbBroad304_08819		BC039266	63946	DMRTC2	no errors	hORFeome V8.1 Collection	63946	DMRTC2	NM_001040283.1	Full Length 99-100% match
ccsbBroadEn_08820	ccsbBroad304_08820		BC130437	63951	DMRTA1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	63951	DMRTA1	NM_022160.2	Full Length 99-100% match
ccsbBroadEn_08821	ccsbBroad304_08821	454	BC115025	63967	CLSPN	no errors	hORFeome V8.1 Collection	63967	CLSPN	NM_001190481.1	Full Length 99-100% match
ccsbBroadEn_08822	ccsbBroad304_08822		BC052311	63978	PRDM14	no errors	hORFeome V8.1 Collection	63978	PRDM14	NM_024504.2	Full Length 99-100% match
ccsbBroadEn_08823	ccsbBroad304_08823		BC027856	63979	FIGNL1	no errors	hORFeome V8.1 Collection	63979	FIGNL1	NM_022116.3; NM_001042762.1	Full Length 99-100% match
ccsbBroadEn_08824	ccsbBroad304_08824		BC032581	64072	CDH23	no errors	hORFeome V8.1 Collection	64072	CDH23	NM_001171931.1	Full Length 99-100% match
ccsbBroadEn_08825	ccsbBroad304_08825		BC007324	64077	LHPP	no errors	hORFeome V8.1 Collection	64077	LHPP	NM_001167880.1	Full Length 99-100% match
ccsbBroadEn_08826	ccsbBroad304_08826		BC113629,BC113631	64077	LHPP	no errors	hORFeome V8.1 Collection	64077	LHPP	NM_022126.3	Full Length 99-100% match
ccsbBroadEn_08827	ccsbBroad304_08827	454	BC093821	64078	SLC28A3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	64078	SLC28A3	NM_022127.2; NM_001199633.1	Full Length 99-100% match
ccsbBroadEn_08828	ccsbBroad304_08828		BC009738	64081	PBLD	no errors	hORFeome V8.1 Collection	64081	PBLD	NM_022129.3	Full Length 99-100% match
ccsbBroadEn_08829	ccsbBroad304_08829		BC065027	64087	MCCC2	no errors	hORFeome V8.1 Collection	64087	MCCC2	NM_022132.4	Full Length 99-100% match
ccsbBroadEn_08830	ccsbBroad304_08830		BC117293,BC117295	64090	GAL3ST2	1 synonomous error	hORFeome V8.1 Collection	64090	GAL3ST2	NM_022134.2	Full Length 99-100% match
ccsbBroadEn_08831	ccsbBroad304_08831		BC044929	64091	POPDC2	no errors	hORFeome V8.1 Collection	64091	POPDC2	NM_022135.2	Full Length 99-100% match



ccsbBroadEn_08832	ccsbBroad304_08832		BC034406	64098	PARVG	no errors	hORFeome V8.1 Collection	64098	PARVG	NM_001137605.1; NM_001137606.1; NM_022141.5	Full Length 99-100% match
ccsbBroadEn_08833	ccsbBroad304_08833		BC015598	64100	ELSPBP1	no errors	hORFeome V8.1 Collection	64100	ELSPBP1	NM_022142.4	Full Length 99-100% match
ccsbBroadEn_08834	ccsbBroad304_08834		BC131580	64106	NPFFR1	no errors	hORFeome V8.1 Collection	64106	NPFFR1	NM_022146.4	Full Length 99-100% match
ccsbBroadEn_08835	ccsbBroad304_08835		BC013161	64108	RTP4	no errors	hORFeome V8.1 Collection	64108	RTP4	NM_022147.2	Full Length 99-100% match
ccsbBroadEn_08836	ccsbBroad304_08836		BC007980,BC013428	64114	TMBIM1	no errors	hORFeome V8.1 Collection	64114	TMBIM1	NM_022152.4	Full Length 99-100% match
ccsbBroadEn_08837	ccsbBroad304_08837		BC020568	64115	C10orf54	no errors	hORFeome V8.1 Collection	64115	C10orf54	NM_022153.1	Full Length 99-100% match
ccsbBroadEn_08838	ccsbBroad304_08838		BC042680	64122	FN3K	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	64122	FN3K	NM_022158.3	Full Length 99-100% match
ccsbBroadEn_08839	ccsbBroad304_08839		BC111750	64135	IFIH1	no errors	hORFeome V8.1 Collection	64135	IFIH1	NM_022168.2	Full Length 99-100% match
ccsbBroadEn_08840	ccsbBroad304_08840		BC030657	64147	KIF9	no errors	hORFeome V8.1 Collection	64147	KIF9	NM_182902.3; NM_001134878.1	Full Length 99-100% match
ccsbBroadEn_08841	ccsbBroad304_08841	454	BC068448	64168	NECAB1	no errors	hORFeome V8.1 Collection	64168	NECAB1	NM_022351.4	Full Length 99-100% match
ccsbBroadEn_08842	ccsbBroad304_08842		BC128030	64184	EDDM3B	no errors	hORFeome V8.1 Collection	64184	EDDM3B	NM_022360.4	Full Length 99-100% match
ccsbBroadEn_08843	ccsbBroad304_08843		BC003383	64216	TFB2M	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	64216	TFB2M	NM_022366.2	Full Length 99-100% match
ccsbBroadEn_08844	ccsbBroad304_08844		BC020974	64218	SEMA4A	no errors	hORFeome V8.1 Collection	64218	SEMA4A	NM_022367.3; NM_001193300.1; NM_001193301.1	Full Length 99-100% match
ccsbBroadEn_08845	ccsbBroad304_08845	454	BC025256	64220	STRA6	no errors	hORFeome V8.1 Collection	64220	STRA6	NM_001142617.1; NM_022369.3; NM_001142618.1	Full Length 99-100% match
ccsbBroadEn_08846	ccsbBroad304_08846		BC018292	64222	TOR3A	no errors	hORFeome V8.1 Collection	64222	TOR3A	NM_022371.3	Full Length 99-100% match
ccsbBroadEn_08847	ccsbBroad304_08847		BC005091,BC020264	64224	HERPUD2	no errors	hORFeome V8.1 Collection	64224	HERPUD2	NM_022373.4	Full Length 99-100% match
ccsbBroadEn_08848	ccsbBroad304_08848		BC022854	64231	MS4A6A	no errors	hORFeome V8.1 Collection	64231	MS4A6A	NM_152852.1	Full Length 99-100% match
ccsbBroadEn_08849	ccsbBroad304_08849		BC113657	64241	ABCG8	no errors	hORFeome V8.1 Collection	64241	ABCG8	NM_022437.2	Full Length 99-100% match
ccsbBroadEn_08850	ccsbBroad304_08850	454	BC014425	64285	RHBDF1	no errors	hORFeome V8.1 Collection	64285	RHBDF1	NM_022450.3	Full Length 99-100% match
ccsbBroadEn_08851	ccsbBroad304_08851		BC017663	64327	LMBR1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	64327	LMBR1	NM_022458.3	Full Length 99-100% match
ccsbBroadEn_08852	ccsbBroad304_08852		BC046632	64388	GREM2	no errors	hORFeome V8.1 Collection	64388	GREM2	NM_022469.3	Full Length 99-100% match
ccsbBroadEn_08853	ccsbBroad304_08853		BC020632	64407	RGS18	no errors	hORFeome V8.1 Collection	64407	RGS18	NM_130782.2	Full Length 99-100% match
ccsbBroadEn_08854	ccsbBroad304_08854		BC069645	64409	WBSCR17	no errors	hORFeome V8.1 Collection	64409	WBSCR17	NM_022479.1	Full Length 99-100% match
ccsbBroadEn_08855	ccsbBroad304_08855		BC006173	64423	INF2	no errors	hORFeome V8.1 Collection	64423	INF2	NM_032714.2	Full Length 99-100% match
ccsbBroadEn_08856	ccsbBroad304_08856		BC039582	64446	DNAI2	no errors	hORFeome V8.1 Collection	64446	DNAI2	NM_001172810.1	Full Length 99-100% match
ccsbBroadEn_08857	ccsbBroad304_08857		BC035348	64506	CPEB1	no errors	hORFeome V8.1 Collection	64506	CPEB1	NM_001079534.1; NM_001079535.1	Full Length 99-100% match
ccsbBroadEn_08858	ccsbBroad304_08858		BC031688	64518	TEKT3	no errors	hORFeome V8.1 Collection	64518	TEKT3	NM_031898.2	Full Length 99-100% match
ccsbBroadEn_08859	ccsbBroad304_08859		BC038949	64651	CSRNP1	no errors	hORFeome V8.1 Collection	64651	CSRNP1	NM_033027.3	Full Length 99-100% match
ccsbBroadEn_08860	ccsbBroad304_08860		BC011924	64718	UNKL	no errors	hORFeome V8.1 Collection	64718	UNKL	NM_001037125.2	Full Length 99-100% match
ccsbBroadEn_08861	ccsbBroad304_08861		BC009378	64748	LPPR2	1 synonymous error	hORFeome V8.1 Collection	64748	LPPR2	NM_022737.2	Full Length 99-100% match
ccsbBroadEn_08862	ccsbBroad304_08862		BC031010	64754	SMYD3	no errors	hORFeome V8.1 Collection	64754	SMYD3	NM_001167740.1	Full Length 99-100% match
ccsbBroadEn_08863	ccsbBroad304_08863		BC009308	64755	C16orf58	no errors	hORFeome V8.1 Collection	64755	C16orf58	NM_022744.2	Full Length 99-100% match
ccsbBroadEn_08864	ccsbBroad304_08864	454	BC010619	64757	MOSC1	no errors	hORFeome V8.1 Collection	64757	MOSC1	NM_022746.3	Full Length 99-100% match
ccsbBroadEn_08865	ccsbBroad304_08865	454	BC081541	64761	PARP12	1 synonymous error	hORFeome V8.1 Collection	64761	PARP12	NM_022750.2	Full Length 99-100% match
ccsbBroadEn_08866	ccsbBroad304_08866		BC015175	64766	S100PBP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	64766	S100PBP	NM_022753.2	Full Length 99-100% match
ccsbBroadEn_08867	ccsbBroad304_08867	454	BC112057	64779	MTHFSD	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	64779	MTHFSD	NM_001159377.1	Full Length 99-100% match
ccsbBroadEn_08868	ccsbBroad304_08868		BC080636	64787	EPS8L2	no errors	hORFeome V8.1 Collection	64787	EPS8L2	NM_022772.3	Full Length 99-100% match
ccsbBroadEn_08869	ccsbBroad304_08869		BC021969	64789	DEM1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	64789	DEM1	NM_022774.1	Full Length 99-100% match
ccsbBroadEn_08870	ccsbBroad304_08870		BC012165	64795	RMND5A	no errors	hORFeome V8.1 Collection	64795	RMND5A	NM_022780.3	Full Length 99-100% match
ccsbBroadEn_08871	ccsbBroad304_08871		BC048964	64799	IQCH	no errors	hORFeome V8.1 Collection	64799	IQCH	NM_001031715.2	Full Length 99-100% match
ccsbBroadEn_08872	ccsbBroad304_08872	454	BC039315	64800	EFCAB6	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	64800	EFCAB6	NM_198856.2	Full Length 99-100% match
ccsbBroadEn_08873	ccsbBroad304_08873		BC017898	64805	P2RY12	no errors	hORFeome V8.1 Collection	64805	P2RY12	NM_176876.1; NM_022788.3	Full Length 99-100% match
ccsbBroadEn_08874	ccsbBroad304_08874		BC069565	64806	IL25	no errors	hORFeome V8.1 Collection	64806	IL25	NM_022789.3	Full Length 99-100% match
ccsbBroadEn_08875	ccsbBroad304_08875	454	BC065014	64844	MARCH7	no errors	hORFeome V8.1 Collection	64844	MARCH7	NM_022826.2	Full Length 99-100% match
ccsbBroadEn_08876	ccsbBroad304_08876		BC037574	64854	USP46	1 synonymous error	hORFeome V8.1 Collection	64854	USP46	NM_022832.3	Full Length 99-100% match
ccsbBroadEn_08877	ccsbBroad304_08877		BC058904	64860	ARMCX5	no errors	hORFeome V8.1 Collection	64860	ARMCX5	NM_001168478.1; NM_001168479.1; NM_001168480.1; NM_001168482.1; NM_001168485.1	Full Length 99-100% match
ccsbBroadEn_08878	ccsbBroad304_08878	454	BC111020	64863	METTL4	no errors	hORFeome V8.1 Collection	64863	METTL4	NM_022840.3	Full Length 99-100% match
ccsbBroadEn_08879	ccsbBroad304_08879	454	BC063284	64921	CASD1	no errors	hORFeome V8.1 Collection	64921	CASD1	NM_022900.4	Full Length 99-100% match
ccsbBroadEn_08880	ccsbBroad304_08880		BC035516	64925	CCDC71	no errors	hORFeome V8.1 Collection	64925	CCDC71	NM_022903.3	Full Length 99-100% match
ccsbBroadEn_08881	ccsbBroad304_08881		BC054865	64951	MRPS24	no errors	hORFeome V8.1 Collection	64951	MRPS24	NM_032014.2	Full Length 99-100% match
ccsbBroadEn_08882	ccsbBroad304_08882		BC031336	64960	MRPS15	no errors	hORFeome V8.1 Collection	64960	MRPS15	NM_031280.3	Full Length 99-100% match
ccsbBroadEn_08883	ccsbBroad304_08883		BC000547,BC010076	64968	MRPS6	1 synonymous error	hORFeome V8.1 Collection	64968	MRPS6	NM_032476.3	Full Length 99-100% match
ccsbBroadEn_08884	ccsbBroad304_08884		BC013147	64983	MRPL32	no errors	hORFeome V8.1 Collection	64983	MRPL32	NM_031903.2	Full Length 99-100% match
ccsbBroadEn_08885	ccsbBroad304_08885		BC005002	65003	MRPL11	no errors	hORFeome V8.1 Collection	65003	MRPL11	NM_016050.3	Full Length 99-100% match
ccsbBroadEn_08886	ccsbBroad304_08886		BC064846	65055	REEP1	no errors	hORFeome V8.1 Collection	65055	REEP1	NM_022912.2	Full Length 99-100% match
ccsbBroadEn_08887	Failed LR reaction		BC113004	65056	GPBP1	no errors	hORFeome V8.1 Collection	65056	GPBP1	NM_022913.3	Full Length 99-100% match
ccsbBroadEn_08888	ccsbBroad304_08888		BC016904	65057	ACD	no errors	hORFeome V8.1 Collection	65057	ACD	NM_001082486.1	Full Length 99-100% match
ccsbBroadEn_08889	ccsbBroad304_08889		BC029611	65062	ALS2CR4	no errors	hORFeome V8.1 Collection	65062	ALS2CR4	NM_152388.2	Full Length 99-100% match
ccsbBroadEn_08890	ccsbBroad304_08890		BC016617	65082	VPS33A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	65082	VPS33A	NM_022916.4	Full Length 99-100% match
ccsbBroadEn_08891	ccsbBroad304_08891		BC066915	65108	MARCKSL1	no errors	hORFeome V8.1 Collection	65108	MARCKSL1	NM_023009.5	Full Length 99-100% match
ccsbBroadEn_08892	ccsbBroad304_08892		BC001709	65220	NADK	no errors	hORFeome V8.1 Collection	65220	NADK	NM_023018.4; NM_001198993.1	Full Length 99-100% match
ccsbBroadEn_08893	ccsbBroad304_08893		BC015313	65260	C1orf163	no errors	hORFeome V8.1 Collection	65260	C1orf163	NM_023077.2	Full Length 99-100% match
ccsbBroadEn_08894	ccsbBroad304_08894		BC029266	65979	PHACTR4	1 synonymous error	hORFeome V8.1 Collection	65979	PHACTR4	NM_001048183.1	Full Length 99-100% match
ccsbBroadEn_08895	ccsbBroad304_08895		BC007957	65992	DDRKG1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	65992	DDRKG1	NM_023935.1	Full Length 99-100% match
ccsbBroadEn_08896	ccsbBroad304_08896		BC035350	66002	CYP4F12	1 synonymous error	hORFeome V8.1 Collection	66002	CYP4F12	NM_023944.2	Full Length 99-100% match
ccsbBroadEn_08897	ccsbBroad304_08897		BC032306	66004	LYNX1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	66004	LYNX1	NM_023946.2	Full Length 99-100% match
ccsbBroadEn_08898	ccsbBroad304_08898		BC041330,BC048093	66008	TRAK2	no errors	hORFeome V8.1 Collection	66008	TRAK2	NM_015049.2	Full Length 99-100% match
ccsbBroadEn_08899	ccsbBroad304_08899		BC100809	66035	SLC2A11	no errors	hORFeome V8.1 Collection	66035	SLC2A11	NM_001024938.2	Full Length 99-100% match
ccsbBroadEn_08900	Failed LR reaction		BC000002,BC023616	78988	MRP63	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	78988	MRP63	NM_024026.4	Full Length 99-100% match
ccsbBroadEn_08901	ccsbBroad304_08901		BC068058	78990	OTUB2	no errors	hORFeome V8.1 Collection	78990	OTUB2	NM_023112.3	Full Length 99-100% match
ccsbBroadEn_08902	ccsbBroad304_08902		BC000056	78992	YIPF2	no errors	hORFeome V8.1 Collection	78992	YIPF2	NM_024029.3	Full Length 99-100% match
ccsbBroadEn_08903	ccsbBroad304_08903		BC000209	79000	C1orf135	no errors	hORFeome V8.1 Collection	79000	C1orf135	NM_024037.1	Full Length 99-100% match
ccsbBroadEn_08904	ccsbBroad304_08904		BC000216,BC015347	79002	C19orf43	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79002	C19orf43	NM_024038.2	Full Length 99-100% match
ccsbBroadEn_08905	ccsbBroad304_08905		BC000497	79012	CAMKV	no errors	hORFeome V8.1 Collection	79012	CAMKV	NM_024046.3	Full Length 99-100% match
ccsbBroadEn_08906	ccsbBroad304_08906		BC000861	79023	NUP37	early stop codon	hORFeome V8.1 Mutant Subcollection	79023	NUP37	NM_024057.2	Full Length 99-100% match
ccsbBroadEn_08907	ccsbBroad304_08907		BC012477	79026	AHNAK	no errors	hORFeome V8.1 Collection	79026	AHNAK	NM_024060.2	Full Length 99-100% match
ccsbBroadEn_08908											



ccsbBroadEn_08909	ccsbBroad304_08909	454	BC000981	79029	SPATA5L1	no errors	hORFeome V8.1 Collection	79029	SPATA5L1	NM_024063.2	Full Length 99-100% match
ccsbBroadEn_08910	ccsbBroad304_08910		BC001080	79036	C19orf50	no errors	hORFeome V8.1 Collection	79036	C19orf50	NM_001171948.1; NM_001171949.1; NM_024069.3	Full Length 99-100% match
ccsbBroadEn_08911	ccsbBroad304_08911		BC001129	79037	PVRIG	no errors	hORFeome V8.1 Collection	79037	PVRIG	NM_024070.3	Full Length 99-100% match
ccsbBroadEn_08912	ccsbBroad304_08912		BC009335	79047	KCTD15	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79047	KCTD15	NM_024076.2	Full Length 99-100% match
ccsbBroadEn_08913	ccsbBroad304_08913		BC001133	79053	ALG8	no errors	hORFeome V8.1 Collection	79053	ALG8	NM_024079.4	Full Length 99-100% match
ccsbBroadEn_08914	ccsbBroad304_08914		BC128256	79057	PRRG3	no errors	hORFeome V8.1 Collection	79057	PRRG3	NM_024082.3	Full Length 99-100% match
ccsbBroadEn_08915	ccsbBroad304_08915		BC018722	79058	ASPCR1	no errors	hORFeome V8.1 Collection	79058	ASPCR1	NM_024083.2	Full Length 99-100% match
ccsbBroadEn_08916	ccsbBroad304_08916		BC050603	79066	METT10D	no errors	hORFeome V8.1 Collection	79066	METT10D	NM_024086.3	Full Length 99-100% match
ccsbBroadEn_08917	ccsbBroad304_08917		BC001297	79070	KDEL1	1 synonymous error	hORFeome V8.1 Collection	79070	KDEL1	NM_024089.2	Full Length 99-100% match
ccsbBroadEn_08918	ccsbBroad304_08918		BC113563	79072	FASTKD3	no errors	hORFeome V8.1 Collection	79072	FASTKD3	NM_024091.3	Full Length 99-100% match
ccsbBroadEn_08919	ccsbBroad304_08919		BC001508,BC001711	79078	C1orf50	no errors	hORFeome V8.1 Collection	79078	C1orf50	NM_024097.2	Full Length 99-100% match
ccsbBroadEn_08920	ccsbBroad304_08920		BC001378	79080	CCDC86	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	79080	CCDC86	NM_024098.3	Full Length 99-100% match
ccsbBroadEn_08921	ccsbBroad304_08921		BC000058,BC007534	79102	RNF26	no errors	hORFeome V8.1 Collection	79102	RNF26	NM_032015.3	Full Length 99-100% match
ccsbBroadEn_08922	ccsbBroad304_08922		BC002531	79144	PPPDF	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79144	PPPDF	NM_024299.2	Full Length 99-100% match
ccsbBroadEn_08923	ccsbBroad304_08923		BC119719	79173	C19orf57	no errors	hORFeome V8.1 Collection	79173	C19orf57	NM_024323.3	Full Length 99-100% match
ccsbBroadEn_08924	ccsbBroad304_08924		BC130566	79176	FBXL15	no errors	hORFeome V8.1 Collection	79176	FBXL15	NM_024326.3	Full Length 99-100% match
ccsbBroadEn_08925	ccsbBroad304_08925		BC002981	79177	ZNF576	no errors	hORFeome V8.1 Collection	79177	ZNF576	NM_001145347.1	Full Length 99-100% match
ccsbBroadEn_08926	ccsbBroad304_08926	454	BC104853	79290	OR13A1	1 synonymous error	hORFeome V8.1 Collection	79290	OR13A1	NM_001004297.2	Full Length 99-100% match
ccsbBroadEn_08927	ccsbBroad304_08927	454	BC069094	79339	OR51B4	1 synonymous error	hORFeome V8.1 Collection	79339	OR51B4	NM_033179.2	Full Length 99-100% match
ccsbBroadEn_08928	ccsbBroad304_08928		BC117461	79345	OR51B2	no errors	hORFeome V8.1 Collection	79345	OR51B2	NM_033180.4	Full Length 99-100% match
ccsbBroadEn_08929	ccsbBroad304_08929		BC002946,BC008702	79363	C1orf89	no errors	hORFeome V8.1 Collection	79363	C1orf89	NM_030907.3	Full Length 99-100% match
ccsbBroadEn_08930	ccsbBroad304_08930		BC003578	79414	LRFN3	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79414	LRFN3	NM_024509.1	Full Length 99-100% match
ccsbBroadEn_08931	ccsbBroad304_08931		BC014475	79444	BIRC7	1 non-synonymous error	hORFeome V8.1 Collection	79444	BIRC7	NM_139317.1	Full Length 99-100% match
ccsbBroadEn_08932	ccsbBroad304_08932		BC015354	79576	NKAP	no errors	hORFeome V8.1 Collection	79576	NKAP	NM_024528.3	Full Length 99-100% match
ccsbBroadEn_08933	ccsbBroad304_08933		BC063677	79583	TMEM231	no errors	hORFeome V8.1 Collection	79583	TMEM231	NM_001077419.1	Full Length 99-100% match
ccsbBroadEn_08934	ccsbBroad304_08934	454	BC021223	79586	CHPF	1 synonymous error	hORFeome V8.1 Collection	79586	CHPF	NM_024536.5	Full Length 99-100% match
ccsbBroadEn_08935	ccsbBroad304_08935		BC009828	79603	LASS4	no errors	hORFeome V8.1 Collection	79603	LASS4	NM_024552.2	Full Length 99-100% match
ccsbBroadEn_08936	ccsbBroad304_08936		BC022455	79608	RIC3	no errors	hORFeome V8.1 Collection	79608	RIC3	NM_024557.3	Full Length 99-100% match
ccsbBroadEn_08937	ccsbBroad304_08937		BC001381,BC009179	79622	SNRNP25	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	79622	SNRNP25	NM_024571.3	Full Length 99-100% match
ccsbBroadEn_08938	ccsbBroad304_08938		BC010659	79623	GALNT14	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79623	GALNT14	NM_024572.2	Full Length 99-100% match
ccsbBroadEn_08939	ccsbBroad304_08939		BC017761	79630	C1orf54	no errors	hORFeome V8.1 Collection	79630	C1orf54	NM_024579.3	Full Length 99-100% match
ccsbBroadEn_08940	ccsbBroad304_08940		BC011728	79637	ARMC7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79637	ARMC7	NM_024585.2	Full Length 99-100% match
ccsbBroadEn_08941	ccsbBroad304_08941		BC012901	79641	ROGDI	no errors	hORFeome V8.1 Collection	79641	ROGDI	NM_024589.1	Full Length 99-100% match
ccsbBroadEn_08942	ccsbBroad304_08942		BC007932	79656	BEND5	no errors	hORFeome V8.1 Collection	79656	BEND5	NM_024603.2	Full Length 99-100% match
ccsbBroadEn_08943	ccsbBroad304_08943		BC043388	79660	PPP1R3B	no errors	hORFeome V8.1 Collection	79660	PPP1R3B	NM_024607.2	Full Length 99-100% match
ccsbBroadEn_08944	ccsbBroad304_08944		BC010876	79661	NEIL1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	79661	NEIL1	NM_024608.2	Full Length 99-100% match
ccsbBroadEn_08945	ccsbBroad304_08945		BC047501	79673	ZNF329	no errors	hORFeome V8.1 Collection	79673	ZNF329	NM_024620.3	Full Length 99-100% match
ccsbBroadEn_08946	ccsbBroad304_08946		BC034559,BC039265	79691	QTRTD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79691	QTRTD1	NM_024638.2	Full Length 99-100% match
ccsbBroadEn_08947	ccsbBroad304_08947		BC019598	79698	ZMAT4	no errors	hORFeome V8.1 Collection	79698	ZMAT4	NM_001135731.1	Full Length 99-100% match
ccsbBroadEn_08948	ccsbBroad304_08948		BC023602	79701	C17orf101	no errors	hORFeome V8.1 Collection	79701	C17orf101	NM_175902.4	Full Length 99-100% match
ccsbBroadEn_08949	ccsbBroad304_08949		BC112278	79707	NOL9	no errors	hORFeome V8.1 Collection	79707	NOL9	NM_024654.4	Full Length 99-100% match
ccsbBroadEn_08950	ccsbBroad304_08950	454	BC126483	79713	TMEM149	1 synonymous error	hORFeome V8.1 Collection	79713	TMEM149	NM_024660.2	Full Length 99-100% match
ccsbBroadEn_08951	ccsbBroad304_08951		BC113421	79718	TBL1XR1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79718	TBL1XR1	NM_024665.4	Full Length 99-100% match
ccsbBroadEn_08952	ccsbBroad304_08952		BC126400,BC126402	79733	E2F8	no errors	hORFeome V8.1 Collection	79733	E2F8	NM_024680.2	Full Length 99-100% match
ccsbBroadEn_08953	ccsbBroad304_08953		BC008297,BC024259	79744	ZNF419	no errors	hORFeome V8.1 Collection	79744	ZNF419	NM_024691.3	Full Length 99-100% match
ccsbBroadEn_08954	ccsbBroad304_08954		BC126167	79745	CLIP4	no errors	hORFeome V8.1 Collection	79745	CLIP4	NM_024692.4	Full Length 99-100% match
ccsbBroadEn_08955	ccsbBroad304_08955	454	BC009617	79746	ECHDC3	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	79746	ECHDC3	NM_024693.4	Full Length 99-100% match
ccsbBroadEn_08956	ccsbBroad304_08956		BC001615	79770	TXNDC15	no errors	hORFeome V8.1 Collection	79770	TXNDC15	NM_024715.3	Full Length 99-100% match
ccsbBroadEn_08957	ccsbBroad304_08957		BC041143	79777	ACBD4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	79777	ACBD4	NM_001135706.1;	Full Length 99-100% match
ccsbBroadEn_08958	ccsbBroad304_08958		BC098318	79783	C7orf10	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	79783	C7orf10	NM_001193311.1	Full Length 99-100% match
ccsbBroadEn_08959	ccsbBroad304_08959		BC033821	79786	KLHL36	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79786	KLHL36	NM_024731.2	Full Length 99-100% match
ccsbBroadEn_08960	ccsbBroad304_08960	454	BC068482	79789	CLMN	no errors	hORFeome V8.1 Collection	79789	CLMN	NM_024734.3	Full Length 99-100% match
ccsbBroadEn_08961	ccsbBroad304_08961		BC008904	79792	GSDMD	no errors	hORFeome V8.1 Collection	79792	GSDMD	NM_001166237.1	Full Length 99-100% match
ccsbBroadEn_08962	ccsbBroad304_08962		BC130533	79799	UGT2A3	no errors	hORFeome V8.1 Collection	79799	UGT2A3	NM_024743.3	Full Length 99-100% match
ccsbBroadEn_08963	ccsbBroad304_08963		BC005090	79814	AGMAT	no errors	hORFeome V8.1 Collection	79814	AGMAT	NM_024758.3	Full Length 99-100% match
ccsbBroadEn_08964	ccsbBroad304_08964		BC033027	79817	MOBKLB2B	no errors	hORFeome V8.1 Collection	79817	MOBKLB2B	NM_024761.3	Full Length 99-100% match
ccsbBroadEn_08965	ccsbBroad304_08965		BC053733	79823	C2orf34	no errors	hORFeome V8.1 Collection	79823	C2orf34	NM_024766.3	Full Length 99-100% match
ccsbBroadEn_08966	ccsbBroad304_08966		BC018195	79833	GEMIN6	no errors	hORFeome V8.1 Collection	79833	GEMIN6	NM_024775.9	Full Length 99-100% match
ccsbBroadEn_08967	ccsbBroad304_08967		BC141834	79846	C7orf63	no errors	hORFeome V8.1 Collection	79846	C7orf63	NM_001039706.2	Full Length 99-100% match
ccsbBroadEn_08968	ccsbBroad304_08968		BC113589	79847	TMEM180	no errors	hORFeome V8.1 Collection	79847	TMEM180	NM_024789.3	Full Length 99-100% match
ccsbBroadEn_08969	ccsbBroad304_08969		BC035754	79853	TM4SF20	no errors	hORFeome V8.1 Collection	79853	TM4SF20	NM_024795.3	Full Length 99-100% match
ccsbBroadEn_08970	ccsbBroad304_08970	454	BC105634	79861	TUBAL3	no errors	hORFeome V8.1 Collection	79861	TUBAL3	NM_024803.2	Full Length 99-100% match
ccsbBroadEn_08971	ccsbBroad304_08971	454	BC015312	79862	ZNF669	no errors	hORFeome V8.1 Collection	79862	ZNF669	NM_024804.2	Full Length 99-100% match
ccsbBroadEn_08972	ccsbBroad304_08972		BC014195	79863	RBFA	no errors	hORFeome V8.1 Collection	79863	RBFA	NM_024805.2	Full Length 99-100% match
ccsbBroadEn_08973	ccsbBroad304_08973		BC125078	79865	TREML2	no errors	hORFeome V8.1 Collection	79865	TREML2	NM_024807.2	Full Length 99-100% match
ccsbBroadEn_08974	ccsbBroad304_08974		BC005336	79868	ALG13	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79868	ALG13	NM_018466.4	Full Length 99-100% match
ccsbBroadEn_08975	ccsbBroad304_08975		BC018135	79869	CPSF7	no errors	hORFeome V8.1 Collection	79869	CPSF7	NM_001136040.2	Full Length 99-100% match
ccsbBroadEn_08976	ccsbBroad304_08976		BC011517	79870	BAALC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79870	BAALC	NM_024812.2	Full Length 99-100% match
ccsbBroadEn_08977	ccsbBroad304_08977		BC057786	79883	PODNL1	no errors	hORFeome V8.1 Collection	79883	PODNL1	NM_024825.3	Full Length 99-100% match
ccsbBroadEn_08978	ccsbBroad304_08978		BC050348	79894	ZNF672	no errors	hORFeome V8.1 Collection	79894	ZNF672	NM_024836.1	Full Length 99-100% match
ccsbBroadEn_08979	ccsbBroad304_08979		BC011730	79897	RPP21	no errors	hORFeome V8.1 Collection	79897	RPP21	NM_024839.2	Full Length 99-100% match
ccsbBroadEn_08980	Failed LR reaction		BC065290	79901	CYBRD1	no errors	hORFeome V8.1 Collection	79901	CYBRD1	NM_024843.3	Full Length 99-100% match
ccsbBroadEn_08981	ccsbBroad304_08981		BC000697	79902	NUP85	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79902	NUP85	NM_024844.3	Full Length 99-100% match
ccsbBroadEn_08982	ccsbBroad304_08982		BC011267	79903	NAT15	no errors	hORFeome V8.1 Collection	79903	NAT15	NM_001083601.1; NM_024845.2;	Full Length 99-100% match
ccsbBroadEn_08983	ccsbBroad304_08983		BC047719	79905	TMC7	no errors	hORFeome V8.1 Collection	79905	TMC7	NM_001083600.1	Full Length 99-100% match
ccsbBroadEn_08984	ccsbBroad304_08984		BC119696	79908	BTNL8	no errors	hORFeome V8.1 Collection	79908	BTNL8	NM_001159707.1	Full Length 99-100% match
ccsbBroadEn_08985	ccsbBroad304_08985		BC022451	79918	SETD6	no errors	hORFeome V8.1 Collection	79918	SETD6	NM_001160305.1	Full Length 99



ccsbBroadEn_08991	ccsbBroad304_08991		BC013114	79934	ADCK4	no errors	hORFeome V8.1 Collection	79934	ADCK4	NM_024876.3	Full Length 99-100% match
ccsbBroadEn_08992	ccsbBroad304_08992		BC027473	79934	ADCK4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	79934	ADCK4	NM_001142555.2	Full Length 99-100% match
ccsbBroadEn_08993	ccsbBroad304_08993		BC003643	79947	DHDDS	1 synonymous error	hORFeome V8.1 Collection	79947	DHDDS	NM_205861.1	Full Length 99-100% match
ccsbBroadEn_08994	ccsbBroad304_08994		BC030637	79953	TMEM90B	no errors	hORFeome V8.1 Collection	79953	TMEM90B	NM_024893.1	Full Length 99-100% match
ccsbBroadEn_08995	ccsbBroad304_08995		BC051855	79968	WDR76	no errors	hORFeome V8.1 Collection	79968	WDR76	NM_024908.3	Full Length 99-100% match
ccsbBroadEn_08996	ccsbBroad304_08996	454	BC137144	79981	FRMD1	no errors	hORFeome V8.1 Collection	79981	FRMD1	NM_024919.3	Full Length 99-100% match
ccsbBroadEn_08997	ccsbBroad304_08997		BC017400	79991	OBFC1	no errors	hORFeome V8.1 Collection	79991	OBFC1	NM_024928.4	Full Length 99-100% match
ccsbBroadEn_08998	ccsbBroad304_08998		BC010614,BC065558	80017	C14orf159	no errors	hORFeome V8.1 Collection	80017	C14orf159	NM_024952.6; NM_001102366.1; NM_001102367.1	Full Length 99-100% match
ccsbBroadEn_08999	ccsbBroad304_08999		BC037209	80095	ZNF606	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	80095	ZNF606	NM_025027.3	Full Length 99-100% match
ccsbBroadEn_09000	ccsbBroad304_09000		CCSB53351	80108	ZFP2	3 synonymous errors	hORFeome V8.1 Mutant Subcollection	80108	ZFP2	NM_030613.2	Full Length 99-100% match
ccsbBroadEn_09001	ccsbBroad304_09001		BC132779	80108	ZFP2	no errors	hORFeome V8.1 Collection	80108	ZFP2	NM_030613.2	Full Length 99-100% match
ccsbBroadEn_09002	ccsbBroad304_09002	454	BC104161	80111	C3orf36	no errors	hORFeome V8.1 Collection	80111	C3orf36	NM_025041.2	Full Length 99-100% match
ccsbBroadEn_09003	ccsbBroad304_09003		BC126309	80112	WBSR23	no errors	hORFeome V8.1 Collection	100505599	LOC100505599	XM_003120043.1; XM_003119039.1; XM_003118583.1; XM_003120571.1	Full Length 99-100% match
ccsbBroadEn_09004	ccsbBroad304_09004	454	BC137504	80119	PIF1	no errors	hORFeome V8.1 Collection	80119	PIF1	NM_025049.2	Full Length 99-100% match
ccsbBroadEn_09005	ccsbBroad304_09005		BC060803	80129	C6orf97	no errors	hORFeome V8.1 Collection	80129	C6orf97	NM_025059.3	Full Length 99-100% match
ccsbBroadEn_09006	ccsbBroad304_09006		BC016051	80135	RPF1	no errors	hORFeome V8.1 Collection	80135	RPF1	NM_025065.6	Full Length 99-100% match
ccsbBroadEn_09007	ccsbBroad304_09007		BC005001	80149	ZC3H12A	no errors	hORFeome V8.1 Collection	80149	ZC3H12A	NM_025079.2	Full Length 99-100% match
ccsbBroadEn_09008	ccsbBroad304_09008	454	BC015202	80152	CENPT	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	80152	CENPT	NM_025082.3	Full Length 99-100% match
ccsbBroadEn_09009	ccsbBroad304_09009		BC015711	80176	SPSB1	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	80176	SPSB1	NM_025106.3	Full Length 99-100% match
ccsbBroadEn_09010	ccsbBroad304_09010		BC008900	80179	MYO19	no errors	hORFeome V8.1 Collection	80179	MYO19	NM_025109.5	Full Length 99-100% match
ccsbBroadEn_09011	ccsbBroad304_09011		BC007387	80185	C8orf41	no errors	hORFeome V8.1 Collection	80185	C8orf41	NM_025115.2; NM_001102401.1	Full Length 99-100% match
ccsbBroadEn_09012	ccsbBroad304_09012		BC009999	80198	MUS81	no errors	hORFeome V8.1 Collection	80198	MUS81	NM_025128.4	Full Length 99-100% match
ccsbBroadEn_09013	ccsbBroad304_09013		BC005059	80207	OPA3	no errors	hORFeome V8.1 Collection	80207	OPA3	NM_025136.3	Full Length 99-100% match
ccsbBroadEn_09014	ccsbBroad304_09014		BC008873	80213	TM2D3	no errors	hORFeome V8.1 Collection	80213	TM2D3	NM_025141.3	Full Length 99-100% match
ccsbBroadEn_09015	ccsbBroad304_09015		BC006150	80213	TM2D3	no errors	hORFeome V8.1 Collection	80213	TM2D3	NM_078474.2	Full Length 99-100% match
ccsbBroadEn_09016	ccsbBroad304_09016		BC014123	80221	ACSF2	no errors	hORFeome V8.1 Collection	80221	ACSF2	NM_025149.4	Full Length 99-100% match
ccsbBroadEn_09017	ccsbBroad304_09017		BC012053	80221	ACSF2	no errors	hORFeome V8.1 Collection	80221	ACSF2	NM_025149.4	Full Length 99-100% match
ccsbBroadEn_09018	ccsbBroad304_09018		BC006142	80227	PAAF1	no errors	hORFeome V8.1 Collection	80227	PAAF1	NM_025155.1	Full Length 99-100% match
ccsbBroadEn_09019	ccsbBroad304_09019	454	BC069270	80228	OAI2	no errors	hORFeome V8.1 Collection	80228	OAI2	NM_001126340.1; NM_032831.2	Full Length 99-100% match
ccsbBroadEn_09020	ccsbBroad304_09020		BC032571	80230	RUFY1	no errors	hORFeome V8.1 Collection	80230	RUFY1	NM_001040452.1; NM_001040451.1	Full Length 99-100% match
ccsbBroadEn_09021	ccsbBroad304_09021		BC020611	80231	CXorf21	no errors	hORFeome V8.1 Collection	80231	CXorf21	NM_025159.2	Full Length 99-100% match
ccsbBroadEn_09022	ccsbBroad304_09022		BC018537	80255	SLC35F5	1 synonymous error	hORFeome V8.1 Collection	80255	SLC35F5	NM_025181.2	Full Length 99-100% match
ccsbBroadEn_09023	ccsbBroad304_09023		BC009957	80279	CDK5RAP3	1 synonymous error	hORFeome V8.1 Collection	80279	CDK5RAP3	NM_176096.1	Full Length 99-100% match
ccsbBroadEn_09024	ccsbBroad304_09024		BC008744	80301	PLEKHO2	1 synonymous error	hORFeome V8.1 Collection	80301	PLEKHO2	NM_001195059.1	Full Length 99-100% match
ccsbBroadEn_09025	ccsbBroad304_09025		BC104954,BC104956	80309	SPHKAP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	80309	SPHKAP	NM_001142644.1	Full Length 99-100% match
ccsbBroadEn_09026	ccsbBroad304_09026	454	BC050097	80313	LRRC27	no errors	hORFeome V8.1 Collection	80313	LRRC27	NM_001143758.1	Full Length 99-100% match
ccsbBroadEn_09027	ccsbBroad304_09027		BC006118	80317	ZKSCAN3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	80317	ZKSCAN3	NM_024493.2	Full Length 99-100% match
ccsbBroadEn_09028	ccsbBroad304_09028		BC030598	80321	CEP70	early stop codon	hORFeome V8.1 Mutant Subcollection	80321	CEP70	NM_024491.2	Full Length 99-100% match
ccsbBroadEn_09029	ccsbBroad304_09029		BC029508	80323	CCDC68	no errors	hORFeome V8.1 Collection	80323	CCDC68	NM_025214.2; NM_001143829.1	Full Length 99-100% match
ccsbBroadEn_09030	ccsbBroad304_09030		BC032520	80333	KCNIP4	1 synonymous error	hORFeome V8.1 Collection	80333	KCNIP4	NM_025221.5	Full Length 99-100% match
ccsbBroadEn_09031	ccsbBroad304_09031		BC065195	80339	PNPLA3	no errors	hORFeome V8.1 Collection	80339	PNPLA3	NM_025225.2	Full Length 99-100% match
ccsbBroadEn_09032	ccsbBroad304_09032		BC034415	80341	BPIL1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	80341	BPIL1	NM_025227.1	Full Length 99-100% match
ccsbBroadEn_09033	ccsbBroad304_09033		BC130417	80342	TRAF3IP3	no errors	hORFeome V8.1 Collection	80342	TRAF3IP3	NM_025228.2	Full Length 99-100% match
ccsbBroadEn_09034	ccsbBroad304_09034	454	BC067132	80344	DCAF11	no errors	hORFeome V8.1 Collection	80344	DCAF11	NM_025230.4; NM_001163484.1	Full Length 99-100% match
ccsbBroadEn_09035	ccsbBroad304_09035		BC067254	80347	COASY	no errors	hORFeome V8.1 Collection	80347	COASY	NM_001042530.1; NM_001042529.1; NM_025233.5	Full Length 99-100% match
ccsbBroadEn_09036	ccsbBroad304_09036		BC010080	80349	WDR61	no errors	hORFeome V8.1 Collection	80349	WDR61	NM_025234.1	Full Length 99-100% match
ccsbBroadEn_09037	ccsbBroad304_09037		BC113678,BC113680	80380	PDCC1LG2	no errors	hORFeome V8.1 Collection	80380	PDCC1LG2	NM_025239.3	Full Length 99-100% match
ccsbBroadEn_09038	ccsbBroad304_09038		BC032014	80704	SLC19A3	no errors	hORFeome V8.1 Collection	80704	SLC19A3	NM_025243.3	Full Length 99-100% match
ccsbBroadEn_09039	ccsbBroad304_09039		BC022557	80723	TMEM22	no errors	hORFeome V8.1 Collection	80723	TMEM22	NM_001097599.1; NM_001097600.1; NM_025246.2	Full Length 99-100% match
ccsbBroadEn_09040	ccsbBroad304_09040		BC113719,BC113721	80739	C6orf25	no errors	hORFeome V8.1 Collection	80739	C6orf25	NM_138277.1	Full Length 99-100% match
ccsbBroadEn_09041	ccsbBroad304_09041		BC126455	80742	PRR3	no errors	hORFeome V8.1 Collection	80742	PRR3	NM_025263.3	Full Length 99-100% match
ccsbBroadEn_09042	ccsbBroad304_09042		BC126457	80742	PRR3	no errors	hORFeome V8.1 Collection	80742	PRR3	NM_025263.3	Full Length 99-100% match
ccsbBroadEn_09043	ccsbBroad304_09043		BC004178,BC019582	80746	TSEN2	1 synonymous error	hORFeome V8.1 Collection	80746	TSEN2	NM_025265.3; NM_001145392.1	Full Length 99-100% match
ccsbBroadEn_09044	ccsbBroad304_09044		BC004172	80755	AARSD1	no errors	hORFeome V8.1 Collection	80755	AARSD1	NM_025267.3	Full Length 99-100% match
ccsbBroadEn_09045	ccsbBroad304_09045		BC004282	80760	ITIH5	no errors	hORFeome V8.1 Collection	80760	ITIH5	NM_032817.5	Full Length 99-100% match
ccsbBroadEn_09046	ccsbBroad304_09046		BC004317	80762	NDFIP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	80762	NDFIP1	NM_030571.3	Full Length 99-100% match
ccsbBroadEn_09047	ccsbBroad304_09047		BC004346	80764	THAP7	no errors	hORFeome V8.1 Collection	80764	THAP7	NM_030573.2; NM_001008695.1	Full Length 99-100% match
ccsbBroadEn_09048	ccsbBroad304_09048		BC004404	80775	TMEM177	no errors	hORFeome V8.1 Collection	80775	TMEM177	NM_001105198.1; NM_030577.2; NM_001105199.1	Full Length 99-100% match
ccsbBroadEn_09049	ccsbBroad304_09049		BC004157	80776	B9D2	no errors	hORFeome V8.1 Collection	80776	B9D2	NM_030578.3	Full Length 99-100% match
ccsbBroadEn_09050	ccsbBroad304_09050		BC056400	80818	ZNF436	no errors	hORFeome V8.1 Collection	80818	ZNF436	NM_030634.2; NM_001077195.1	Full Length 99-100% match
ccsbBroadEn_09051	ccsbBroad304_09051	454	BC065518	80820	EEPD1	no errors	hORFeome V8.1 Collection	80820	EEPD1	NM_030636.2	Full Length 99-100% match
ccsbBroadEn_09052	ccsbBroad304_09052	454	BC030703	80821	DDHD1	no errors	hORFeome V8.1 Collection	80821	DDHD1	NM_030637.2	Full Length 99-100% match
ccsbBroadEn_09053	ccsbBroad304_09053		BC109234	80824	DUSP16	no errors	hORFeome V8.1 Collection	80824	DUSP16	NM_030640.2	Full Length 99-100% match
ccsbBroadEn_09054	ccsbBroad304_09054		BC035574	80864	EGFL8	no errors	hORFeome V8.1 Collection	80864	EGFL8	NM_030652.2	Full Length 99-100% match
ccsbBroadEn_09055	ccsbBroad304_09055		BC125051,CCSB53362	80896	NPL	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	80896	NPL	NM_030769.1	Full Length 99-100% match
ccsbBroadEn_09056	ccsbBroad304_09056		BC033679	81027	TUBB1	no errors	hORFeome V8.1 Collection	81027	TUBB1	NM_030773.3	Full Length 99-100% match
ccsbBroadEn_09057	ccsbBroad304_09057		BC131706	81030	ZBP1	no errors	hORFeome V8.1 Collection	81030	ZBP1	NM_030776.2	Full Length 99-100% match
ccsbBroadEn_09058	ccsbBroad304_09058		BC021893	81034	SLC25A32	1 synonymous error	hORFeome V8.1 Collection	81034	SLC25A32	NM_030780.3	Full Length 99-100% match
ccsbBroadEn_09059	ccsbBroad304_09059		BC060789	81035	COLEC12	no errors	hORFeome V8.1 Collection	81035	COLEC12	NM_130386.2	Full Length 99-100% match
ccsbBroadEn_09060	ccsbBroad304_09060		BC020768	81285	OR51E2	no errors	hORFeome V8.1 Collection	81285	OR51E2	NM_030774.3	Full Length 99-100% match
ccsbBroadEn_09061	ccsbBroad304_09061		BC132848,BC132850	81341	OR10W1	no errors	hORFeome V8.1 Collection	81341	OR10W1	NM_207374.3	Full Length 99-100% match



ccsbBroadEn_09062	ccsbBroad304_09062	454	BC137568	81399	OR4F16	no errors	hORFeome V8.1 Collection	441308; 81399; 26683; 729759	OR4F21; OR4F16; OR4F3; OR4F29	NM_001005504.1; NM_001005277.1; NM_001005224.1; NM_001005221.2	Full Length 99-100% match
ccsbBroadEn_09063	ccsbBroad304_09063	454	BC136712	81469	OR2G3	no errors	hORFeome V8.1 Collection	81469	OR2G3	NM_001001914.1	Full Length 99-100% match
ccsbBroadEn_09064	ccsbBroad304_09064	454	BC067465	81491	GPR63	no errors	hORFeome V8.1 Collection	81491	GPR63	NM_001143957.1; NM_030784.2	Full Length 99-100% match
ccsbBroadEn_09065	ccsbBroad304_09065	454	BC067785	81532	MOB2	no errors	hORFeome V8.1 Collection	81532	MOB2	NM_053005.4	Full Length 99-100% match
ccsbBroadEn_09066	ccsbBroad304_09066	1	BC036460	81542	TMX1	no errors	hORFeome V8.1 Collection	81542	TMX1	NM_030755.4	Full Length 99-100% match
ccsbBroadEn_09067	ccsbBroad304_09067	1	BC056874	81542	TMX1	no errors	hORFeome V8.1 Collection	81542	TMX1	NM_030755.4	Full Length 99-100% match
ccsbBroadEn_09068	ccsbBroad304_09068	1	BC030626	81544	GDPD5	no errors	hORFeome V8.1 Collection	81544	GDPD5	NM_030792.6	Full Length 99-100% match
ccsbBroadEn_09069	ccsbBroad304_09069	1	BC033454	81545	FBXO38	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	81545	FBXO38	NM_030793.3	Full Length 99-100% match
ccsbBroadEn_09070	ccsbBroad304_09070	1	BC007829,BC024737	81555	YIPF5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	81555	YIPF5	NM_001024947.2; NM_030799.7	Full Length 99-100% match
ccsbBroadEn_09071	ccsbBroad304_09071	1	BC007991	81556	C15orf44	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	81556	C15orf44	NM_030800.1	Full Length 99-100% match
ccsbBroadEn_09072	ccsbBroad304_09072	1	BC026101	81565	NDEL1	no errors	hORFeome V8.1 Collection	81565	NDEL1	NM_030808.3	Full Length 99-100% match
ccsbBroadEn_09073	ccsbBroad304_09073	1	BC028909	81569	ACTL8	no errors	hORFeome V8.1 Collection	81569	ACTL8	NM_030812.2	Full Length 99-100% match
ccsbBroadEn_09074	ccsbBroad304_09074	1	BC126108	81578	COL21A1	no errors	hORFeome V8.1 Collection	81578	COL21A1	NM_030820.3	Full Length 99-100% match
ccsbBroadEn_09075	ccsbBroad304_09075	1	BC011775	81614	NIPA2	1 synonymous error	hORFeome V8.1 Collection	81614	NIPA2	NM_001008860.2; NM_001008892.2; NM_030922.6; NM_001184889.1	Full Length 99-100% match
ccsbBroadEn_09076	ccsbBroad304_09076	1	BC022027	81616	ACSBG2	no errors	hORFeome V8.1 Collection	81616	ACSBG2	NM_030924.3	Full Length 99-100% match
ccsbBroadEn_09077	ccsbBroad304_09077	1	BC010993	81617	CAB39L	no errors	hORFeome V8.1 Collection	81617	CAB39L	NM_001079670.1; NM_030925.2	Full Length 99-100% match
ccsbBroadEn_09078	Failed LR reaction	1	BC025742	81618	ITM2C	1 synonymous error	hORFeome V8.1 Collection	81618	ITM2C	NM_001012516.1	Full Length 99-100% match
ccsbBroadEn_09079	ccsbBroad304_09079	1	BC035354	81629	TSSK3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	81629	TSSK3	NM_052841.3	Full Length 99-100% match
ccsbBroadEn_09080	ccsbBroad304_09080	1	BC016333	81669	CCNL2	no errors	hORFeome V8.1 Collection	81669	CCNL2	NM_001039577.3	Full Length 99-100% match
ccsbBroadEn_09081	ccsbBroad304_09081	1	BC007646	81691	LOC81691	no errors	hORFeome V8.1 Collection	81691	LOC81691	NM_030941.2; NM_001199053.1	Full Length 99-100% match
ccsbBroadEn_09082	ccsbBroad304_09082	454	BC136881	81697	OR2B2	no errors	hORFeome V8.1 Collection	81697	OR2B2	NM_033057.2	Full Length 99-100% match
ccsbBroadEn_09083	ccsbBroad304_09083	1	BC015773	81706	PPP1R14C	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	81706	PPP1R14C	NM_030949.2	Full Length 99-100% match
ccsbBroadEn_09084	ccsbBroad304_09084	1	BC017306	81788	NUAK2	no errors	hORFeome V8.1 Collection	81788	NUAK2	NM_030952.1	Full Length 99-100% match
ccsbBroadEn_09085	ccsbBroad304_09085	1	BC117249	81789	TIGD6	1 synonymous error	hORFeome V8.1 Collection	81789	TIGD6	NM_030953.2	Full Length 99-100% match
ccsbBroadEn_09086	ccsbBroad304_09086	1	BC109112	81793	TLR10	no errors	hORFeome V8.1 Collection	81793	TLR10	NM_001017388.2; NM_030956.3; NM_001195106.1; NM_001195107.1	Full Length 99-100% match
ccsbBroadEn_09087	ccsbBroad304_09087	454	BC103892	81797	OR12D3	no errors	hORFeome V8.1 Collection	81797	OR12D3	NM_030959.2	Full Length 99-100% match
ccsbBroadEn_09088	ccsbBroad304_09088	1	BC029488	81833	SPACA1	no errors	hORFeome V8.1 Collection	81833	SPACA1	NM_030960.2	Full Length 99-100% match
ccsbBroadEn_09089	ccsbBroad304_09089	1	BC007080	81853	TMEM14B	no errors	hORFeome V8.1 Collection	81853	TMEM14B	NM_030969.3	Full Length 99-100% match
ccsbBroadEn_09090	ccsbBroad304_09090	1	BC013913	81853	TMEM14B	no errors	hORFeome V8.1 Collection	81853	TMEM14B	NM_030969.3	Full Length 99-100% match
ccsbBroadEn_09091	ccsbBroad304_09091	1	BC017895	81892	C14orf156	no errors	hORFeome V8.1 Collection	81892	C14orf156	NM_031210.4	Full Length 99-100% match
ccsbBroadEn_09092	ccsbBroad304_09092	1	BC128583	83394	PITPNM3	no errors	hORFeome V8.1 Collection	83394	PITPNM3	NM_031220.3	Full Length 99-100% match
ccsbBroadEn_09093	ccsbBroad304_09093	1	BC125173	83417	FCRL4	no errors	hORFeome V8.1 Collection	83417	FCRL4	NM_031282.2	Full Length 99-100% match
ccsbBroadEn_09094	ccsbBroad304_09094	1	BC069748	83446	CCDC70	no errors	hORFeome V8.1 Collection	83446	CCDC70	NM_031290.2	Full Length 99-100% match
ccsbBroadEn_09095	ccsbBroad304_09095	1	BC033621	83448	PUS7L	1 synonymous error	hORFeome V8.1 Collection	83448	PUS7L	NM_001098615.1; NM_031292.3; NM_001098614.1	Full Length 99-100% match
ccsbBroadEn_09096	ccsbBroad304_09096	1	BC068502	83448	PUS7L	no errors	hORFeome V8.1 Collection	83448	PUS7L	NM_001098615.1; NM_031292.3; NM_001098614.1	Full Length 99-100% match
ccsbBroadEn_09097	ccsbBroad304_09097	454	BC036064	83452	RAB33B	no errors	hORFeome V8.1 Collection	83452	RAB33B	NM_031296.1	Full Length 99-100% match
ccsbBroadEn_09098	ccsbBroad304_09098	1	BC034999	83473	KATNAL2	no errors	hORFeome V8.1 Collection	83473	KATNAL2	NM_031303.2	Full Length 99-100% match
ccsbBroadEn_09099	ccsbBroad304_09099	1	BC041801	83479	DDX59	1 synonymous error	hORFeome V8.1 Collection	83479	DDX59	NM_001031725.4	Full Length 99-100% match
ccsbBroadEn_09100	ccsbBroad304_09100	1	BC069439	83550	GPR101	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	83550	GPR101	NM_054021.1	Full Length 99-100% match
ccsbBroadEn_09101	ccsbBroad304_09101	1	BC041099	83594	NUDT12	no errors	hORFeome V8.1 Collection	83594	NUDT12	NM_031438.2	Full Length 99-100% match
ccsbBroadEn_09102	ccsbBroad304_09102	1	BC039242	83604	TMEM47	no errors	hORFeome V8.1 Collection	83604	TMEM47	NM_031442.3	Full Length 99-100% match
ccsbBroadEn_09103	ccsbBroad304_09103	1	BC104041	83648	FAM167A	no errors	hORFeome V8.1 Collection	83648	FAM167A	NM_053279.2	Full Length 99-100% match
ccsbBroadEn_09104	ccsbBroad304_09104	1	BC002481	83658	DYNLRB1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	83658	DYNLRB1	NM_014183.2	Full Length 99-100% match
ccsbBroadEn_09105	ccsbBroad304_09105	1	BC013304,BC033719	83667	SES2N	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	83667	SES2N	NM_031459.3	Full Length 99-100% match
ccsbBroadEn_09106	ccsbBroad304_09106	1	BC020514	83690	CRISPLD1	1 synonymous error	hORFeome V8.1 Collection	83690	CRISPLD1	NM_031461.5	Full Length 99-100% match
ccsbBroadEn_09107	ccsbBroad304_09107	1	BC020200	83698	CALN1	1 synonymous error	hORFeome V8.1 Collection	83698	CALN1	NM_001017440.2	Full Length 99-100% match
ccsbBroadEn_09108	ccsbBroad304_09108	1	BC040489	83699	SH3BGRL2	no errors	hORFeome V8.1 Collection	83699	SH3BGRL2	NM_031469.2	Full Length 99-100% match
ccsbBroadEn_09109	ccsbBroad304_09109	1	BC004347,BC013366	83706	FERMT3	no errors	hORFeome V8.1 Collection	83706	FERMT3	NM_031471.5	Full Length 99-100% match
ccsbBroadEn_09110	ccsbBroad304_09110	1	BC005133	83707	TRPT1	no errors	hORFeome V8.1 Collection	83707	TRPT1	NM_031472.3	Full Length 99-100% match
ccsbBroadEn_09111	ccsbBroad304_09111	1	BC006104	83732	RIOK1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	83732	RIOK1	NM_031480.2	Full Length 99-100% match
ccsbBroadEn_09112	ccsbBroad304_09112	1	BC017191	83746	L3MBTL2	no errors	hORFeome V8.1 Collection	83746	L3MBTL2	NM_031488.4	Full Length 99-100% match
ccsbBroadEn_09113	ccsbBroad304_09113	454	BC093912	83752	LONP2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	83752	LONP2	NM_031490.2	Full Length 99-100% match
ccsbBroadEn_09114	ccsbBroad304_09114	1	BC003503,BC004951	83759	RBM4B	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	83759	RBM4B	NM_031492.2	Full Length 99-100% match
ccsbBroadEn_09115	ccsbBroad304_09115	1	BC003586	83787	ARMC10	no errors	hORFeome V8.1 Collection	83787	ARMC10	NM_001161009.1	Full Length 99-100% match
ccsbBroadEn_09116	ccsbBroad304_09116	1	BC101189	83844	USP26	no errors	hORFeome V8.1 Collection	83844	USP26	NM_031907.1	Full Length 99-100% match
ccsbBroadEn_09117	ccsbBroad304_09117	1	BC117363	83851	SYT16	no errors	hORFeome V8.1 Collection	83851	SYT16	NM_031914.2	Full Length 99-100% match
ccsbBroadEn_09118	ccsbBroad304_09118	1	BC047434	83852	SETDB2	no errors	hORFeome V8.1 Collection	83852	SETDB2	NM_001160308.1	Full Length 99-100% match
ccsbBroadEn_09119	ccsbBroad304_09119	1	BC014607	83853	ROPN1L	no errors	hORFeome V8.1 Collection	83853	ROPN1L	NM_031916.3	Full Length 99-100% match
ccsbBroadEn_09120	ccsbBroad304_09120	1	BC042083	83857	TMTC1	no errors	hORFeome V8.1 Collection	83857	TMTC1	NM_175861.3	Full Length 99-100% match
ccsbBroadEn_09121	ccsbBroad304_09121	1	BC002542,BC018701	83858	ATAD3B	no errors	hORFeome V8.1 Collection	83858	ATAD3B	NM_031921.4	Full Length 99-100% match
ccsbBroadEn_09122	ccsbBroad304_09122	1	BC051850	83862	TMEM120A	no errors	hORFeome V8.1 Collection	83862	TMEM120A	NM_031925.2	Full Length 99-100% match
ccsbBroadEn_09123	ccsbBroad304_09123	1	BC066904	83871	RAB34	no errors	hORFeome V8.1 Collection	83871	RAB34	NM_031934.5	Full Length 99-100% match
ccsbBroadEn_09124	ccsbBroad304_09124	1	CCSB53150	83874	TBC1D10A	3 synonymous errors	hORFeome V8.1 Mutant Subcollection	83874	TBC1D10A	NM_031937.1	Full Length 99-100% match
ccsbBroadEn_09125	ccsbBroad304_09125	1	BC029860	83876	MRO	no errors	hORFeome V8.1 Collection	83876	MRO	NM_031939.3	Full Length 99-100% match
ccsbBroadEn_09126	ccsbBroad304_09126	454	BC032802	83882	TSPAN10	no errors	hORFeome V8.1 Collection	83882	TSPAN10	NM_031945.3	Full Length 99-100% match
ccsbBroadEn_09127	ccsbBroad304_09127	1	BC100935	83884	SLC25A2	no errors	hORFeome V8.1 Collection	83884	SLC25A2	NM_031947.2	Full Length 99-100% match
ccsbBroadEn_09128	ccsbBroad304_09128	1	BC047411	83887	TLL2	1 synonymous error	hORFeome V8.1 Collection	83887	TLL2	NM_031949.4	Full Length 99-100% match
ccsbBroadEn_09129	ccsbBroad304_09129	1	BC025720	83888	FGFBP2	no errors	hORFeome V8.1 Collection	83888	FGFBP2	NM_031950.3	Full Length 99-100% match
ccsbBroadEn_09130	ccsbBroad304_09130	454	BC040062	83892	KCTD10	no errors	hORFeome V8.1 Collection	83892	KCTD10	NM_031954.3	Full Length 99-100% match
ccsbBroadEn_09131	ccsbBroad304_09131	1	BC110619	83899	KRTAP9-2	no errors	hORFeome V8.1 Collection	83899	KRTAP9-2	NM_031961.2	Full Length 99-100% match
ccsbBroadEn_09132	ccsbBroad304_09132	454	BC074918	83900	KRTAP9-3	no errors	hORFeome V8.1 Collection	83900	KRTAP9-3	NM_031962.2	Full Length 99-100% match
ccsbBroadEn_09133	ccsbBroad304_09133	454	BC047457	83903	GSG2	no errors	hORFeome V8.1 Collection	83903	GSG2	NM_031965.2	Full Length 99-100% match
ccsbBroadEn_09134	ccsbBroad304_09134	1	BC068478	83932	C1orf124	no errors	hORFeome V8.1 Collection	83932	C1orf124	NM_032018.4	Full Length 99-100% match
ccsbBroadEn_09135	ccsbBroad304_09135	1	BC032593	83937	RASSF4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	83937	RASSF4	NM_032023.3	Full Length 99-100% match
ccsbBroadEn_09136	ccsbBroad304_09136	454	BC064964	83940	TATDN1	no errors	hORFeome V8.1 Collection	83940	TATDN1	NM_032026.3	Full Length 99-100% match



ccsbBroadEn_09138	ccsbBroad304_09138		BC032626	83982	IFI27L2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	83982	IFI27L2	NM_032036.2	Full Length 99-100% match
ccsbBroadEn_09139	ccsbBroad304_09139		BC014611	83983	TSSK6	no errors	hORFeome V8.1 Collection	83983	TSSK6	NM_032037.2	Full Length 99-100% match
ccsbBroadEn_09140	ccsbBroad304_09140		BC008325,BC038961	83985	SPNS1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	83985	SPNS1	NM_001142448.1	Full Length 99-100% match
ccsbBroadEn_09141	ccsbBroad304_09141		BC013047	83986	ITFG3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	83986	ITFG3	NM_032039.2	Full Length 99-100% match
ccsbBroadEn_09142	ccsbBroad304_09142		BC036098	83988	NCALD	no errors	hORFeome V8.1 Collection	83988	NCALD	NM_032041.2; NM_001040630.1; NM_001040629.1; NM_001040628.1; NM_001040627.1; NM_001040626.1; NM_001040625.1;	Full Length 99-100% match
ccsbBroadEn_09143	ccsbBroad304_09143		BC101472,BC101474	83990	BRIP1	no errors	hORFeome V8.1 Collection	83990	BRIP1	NM_032043.2	Full Length 99-100% match
ccsbBroadEn_09144	ccsbBroad304_09144		BC101386	84069	PLEKHN1	no errors	hORFeome V8.1 Collection	84069	PLEKHN1	NM_001160184.1	Full Length 99-100% match
ccsbBroadEn_09145	ccsbBroad304_09145		BC028707	84076	TKTL2	no errors	hORFeome V8.1 Collection	84076	TKTL2	NM_032136.4	Full Length 99-100% match
ccsbBroadEn_09146	ccsbBroad304_09146		BC125101	84076	TKTL2	no errors	hORFeome V8.1 Collection	84076	TKTL2	NM_032136.4	Full Length 99-100% match
ccsbBroadEn_09147	ccsbBroad304_09147		BC120999	84084	RAB6C	no errors	hORFeome V8.1 Collection	84084; 150786	RAB6C; LOC150786	NM_032144.2; NM_001077637.1	Full Length 99-100% match
ccsbBroadEn_09148	Failed LR reaction		BC030704	84101	USP44	no errors	hORFeome V8.1 Collection	84101	USP44	NM_001042403.1	Full Length 99-100% match
ccsbBroadEn_09149	ccsbBroad304_09149	454	BC074759	84103	C4orf17	no errors	hORFeome V8.1 Collection	84103	C4orf17	NM_032149.2	Full Length 99-100% match
ccsbBroadEn_09150	ccsbBroad304_09150		BC028012	84106	PRAM1	no errors	hORFeome V8.1 Collection	84106	PRAM1	NM_032152.4	Full Length 99-100% match
ccsbBroadEn_09151	ccsbBroad304_09151	454	BC132776	84146	ZNF644	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84146	ZNF644	NM_201269.1	Full Length 99-100% match
ccsbBroadEn_09152	ccsbBroad304_09152		BC023588	84153	RNASEH2C	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	84153	RNASEH2C	NM_032193.3	Full Length 99-100% match
ccsbBroadEn_09153	ccsbBroad304_09153		BC035314	84154	RPF2	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84154	RPF2	NM_032194.1	Full Length 99-100% match
ccsbBroadEn_09154	ccsbBroad304_09154		BC013153	84171	LOXL4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84171	LOXL4	NM_032211.6	Full Length 99-100% match
ccsbBroadEn_09155	ccsbBroad304_09155		BC001942	84173	ELMOD3	no errors	hORFeome V8.1 Collection	84173	ELMOD3	NM_032213.4	Full Length 99-100% match
ccsbBroadEn_09156	ccsbBroad304_09156		BC029120	84190	C12orf26	no errors	hORFeome V8.1 Collection	84190	C12orf26	NM_032230.2	Full Length 99-100% match
ccsbBroadEn_09157	ccsbBroad304_09157		BC008865	84191	FAM96A	no errors	hORFeome V8.1 Collection	84191	FAM96A	NM_032231.4	Full Length 99-100% match
ccsbBroadEn_09158	ccsbBroad304_09158		BC031273	84232	MAF1	no errors	hORFeome V8.1 Collection	84232	MAF1	NM_032272.4	Full Length 99-100% match
ccsbBroadEn_09159	ccsbBroad304_09159		BC014082,BC018714	84232	MAF1	no errors	hORFeome V8.1 Collection	84232	MAF1	NM_032272.4	Full Length 99-100% match
ccsbBroadEn_09160	ccsbBroad304_09160		BC032736	84240	ZCCHC9	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84240	ZCCHC9	NM_032280.2; NM_001131035.1; NM_001131036.1	Full Length 99-100% match
ccsbBroadEn_09161	ccsbBroad304_09161		BC001703	84245	MRI1	3 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84245	MRI1	NM_001031727.2	Full Length 99-100% match
ccsbBroadEn_09162	ccsbBroad304_09162		BC035006	84248	FYTD1	no errors	hORFeome V8.1 Collection	84248	FYTD1	NM_032288.6	Full Length 99-100% match
ccsbBroadEn_09163	ccsbBroad304_09163		BC038233	84249	PSD2	no errors	hORFeome V8.1 Collection	84249	PSD2	NM_032289.2	Full Length 99-100% match
ccsbBroadEn_09164	ccsbBroad304_09164		BC031647	84254	CAMKK1	1 synonomous error	hORFeome V8.1 Collection	84254	CAMKK1	NM_172207.2	Full Length 99-100% match
ccsbBroadEn_09165	ccsbBroad304_09165		BC031067	84258	SYT3	no errors	hORFeome V8.1 Collection	84258	SYT3	NM_032298.2; NM_001160328.1; NM_001160329.1	Full Length 99-100% match
ccsbBroadEn_09166	ccsbBroad304_09166		BC004331	84263	HSDL2	1 synonomous error	hORFeome V8.1 Collection	84263	HSDL2	NM_001195822.1	Full Length 99-100% match
ccsbBroadEn_09167	ccsbBroad304_09167		BC004353	84264	HAGHL	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84264	HAGHL	NM_032304.2	Full Length 99-100% match
ccsbBroadEn_09168	ccsbBroad304_09168		BC033796	84264	HAGHL	no errors	hORFeome V8.1 Collection	84264	HAGHL	NM_207112.1	Full Length 99-100% match
ccsbBroadEn_09169	ccsbBroad304_09169		BC051849	84268	RPAIN	no errors	hORFeome V8.1 Collection	84268	RPAIN	NM_001033002.3	Full Length 99-100% match
ccsbBroadEn_09170	ccsbBroad304_09170		BC004875	84272	YIPF4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	84272	YIPF4	NM_032312.3	Full Length 99-100% match
ccsbBroadEn_09171	ccsbBroad304_09171	454	BC107874	84274	COQ5	no errors	hORFeome V8.1 Collection	84274	COQ5	NM_032314.3	Full Length 99-100% match
ccsbBroadEn_09172	ccsbBroad304_09172		BC004991	84275	SLC25A33	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84275	SLC25A33	NM_032315.2	Full Length 99-100% match
ccsbBroadEn_09173	ccsbBroad304_09173		BC005056	84277	DNAJC30	no errors	hORFeome V8.1 Collection	84277	DNAJC30	NM_032317.2	Full Length 99-100% match
ccsbBroadEn_09174	ccsbBroad304_09174		BC005083	84281	C2orf88	no errors	hORFeome V8.1 Collection	84281	C2orf88	NM_001042521.1; NM_001042519.1; NM_001042520.1	Full Length 99-100% match
ccsbBroadEn_09175	ccsbBroad304_09175		BC005131	84285	EIF1AD	no errors	hORFeome V8.1 Collection	84285	EIF1AD	NM_032325.2	Full Length 99-100% match
ccsbBroadEn_09176	ccsbBroad304_09176		BC004535	84287	ZDHHC16	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84287	ZDHHC16	NM_198045.1	Full Length 99-100% match
ccsbBroadEn_09177	ccsbBroad304_09177	454	BC005357	84288	EFCAB2	no errors	hORFeome V8.1 Collection	84288	EFCAB2	NM_032328.3	Full Length 99-100% match
ccsbBroadEn_09178	ccsbBroad304_09178		BC005955,BC022441	84294	UTP23	no errors	hORFeome V8.1 Collection	84294	UTP23	NM_032334.2	Full Length 99-100% match
ccsbBroadEn_09179	ccsbBroad304_09179		BC005994	84295	PHF6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84295	PHF6	NM_032335.3	Full Length 99-100% match
ccsbBroadEn_09180	ccsbBroad304_09180		BC130382,BC130384	84311	MRPL45	no errors	hORFeome V8.1 Collection	84311	MRPL45	NM_032351.3	Full Length 99-100% match
ccsbBroadEn_09181	ccsbBroad304_09181		BC006475	84319	C3orf26	no errors	hORFeome V8.1 Collection	84319	C3orf26	NM_032359.3	Full Length 99-100% match
ccsbBroadEn_09182	ccsbBroad304_09182		BC006849	84321	THOC3	no errors	hORFeome V8.1 Collection	84321	THOC3	NM_032361.2	Full Length 99-100% match
ccsbBroadEn_09183	ccsbBroad304_09183		BC007310	84330	ZNF414	no errors	hORFeome V8.1 Collection	84330	ZNF414	NM_032370.2	Full Length 99-100% match
ccsbBroadEn_09184	ccsbBroad304_09184		BC040359	84343	HPS3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	84343	HPS3	NM_032383.3	Full Length 99-100% match
ccsbBroadEn_09185	ccsbBroad304_09185		BC024238	84365	MK167IP	no errors	hORFeome V8.1 Collection	84365	MK167IP	NM_032390.4	Full Length 99-100% match
ccsbBroadEn_09186	ccsbBroad304_09186		BC021742	84417	C2orf40	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84417	C2orf40	NM_032411.2	Full Length 99-100% match
ccsbBroadEn_09187	ccsbBroad304_09187		BC023982	84418	C5orf32	no errors	hORFeome V8.1 Collection	84418	C5orf32	NM_032412.3	Full Length 99-100% match
ccsbBroadEn_09188	ccsbBroad304_09188	454	BC101517	84440	RAB11FIP4	no errors	hORFeome V8.1 Collection	84440	RAB11FIP4	NM_032932.3	Full Length 99-100% match
ccsbBroadEn_09189	ccsbBroad304_09189		BC058938	84445	LZTS2	no errors	hORFeome V8.1 Collection	84445	LZTS2	NM_032429.2	Full Length 99-100% match
ccsbBroadEn_09190	ccsbBroad304_09190		BC030530	84447	SYVN1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84447	SYVN1	NM_172230.2	Full Length 99-100% match
ccsbBroadEn_09191	ccsbBroad304_09191		BC122567	84448	ABLIM2	no errors	hORFeome V8.1 Collection	84448	ABLIM2	NM_032432.4	Full Length 99-100% match
ccsbBroadEn_09192	ccsbBroad304_09192		BC060845	84456	L3MBTL3	no errors	hORFeome V8.1 Collection	84456	L3MBTL3	NM_001007102.2	Full Length 99-100% match
ccsbBroadEn_09193	ccsbBroad304_09193	454	BC152478	84466	MEGF10	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84466	MEGF10	NM_032446.2	Full Length 99-100% match
ccsbBroadEn_09194	ccsbBroad304_09194	454	BC055429	84502	JPH4	no errors	hORFeome V8.1 Collection	84502	JPH4	NM_032452.2; NM_001146028.1	Full Length 99-100% match
ccsbBroadEn_09195	ccsbBroad304_09195		BC080656	84515	MCM8	no errors	hORFeome V8.1 Collection	84515	MCM8	NM_032485.4	Full Length 99-100% match
ccsbBroadEn_09196	ccsbBroad304_09196		BC007289	84517	ARPM1	no errors	hORFeome V8.1 Collection	84517	ARPM1	NM_032487.4	Full Length 99-100% match
ccsbBroadEn_09197	ccsbBroad304_09197		BC032101	84522	JAGN1	no errors	hORFeome V8.1 Collection	84522	JAGN1	NM_032492.3	Full Length 99-100% match
ccsbBroadEn_09198	ccsbBroad304_09198		BC014225	84525	HOPX	no errors	hORFeome V8.1 Collection	84525	HOPX	NM_139211.4; NM_139212.3; NM_001145459.1	Full Length 99-100% match
ccsbBroadEn_09199	ccsbBroad304_09199		BC021719	84528	RHOXF2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84528; 727940	RHOXF2; RHOXF2B	NM_001099685.1	Full Length 99-100% match
ccsbBroadEn_09200	ccsbBroad304_09200		BC103821	84548	TMEM185A	no errors	hORFeome V8.1 Collection	84548	TMEM185A	NM_032508.2	Full Length 99-100% match
ccsbBroadEn_09201	ccsbBroad304_09201		BC004869,BC011583	84553	C6orf168	no errors	hORFeome V8.1 Collection	84553	C6orf168	NM_032511.2	Full Length 99-100% match
ccsbBroadEn_09202	ccsbBroad304_09202		BC126158,BC126160	84561	SLC12A8	no errors	hORFeome V8.1 Collection	84561	SLC12A8	NM_024628.5; NM_001195483.1	Full Length 99-100% match
ccsbBroadEn_09203	ccsbBroad304_09203		BC021730	84569	LYZL1	no errors	hORFeome V8.1 Collection	84569	LYZL1	NM_032517.4	Full Length 99-100% match
ccsbBroadEn_09204	ccsbBroad304_09204		BC060847	84612	PAR6B	no errors	hORFeome V8.1 Collection	84612	PAR6B	NM_032521.2	Full Length 99-100% match
ccsbBroadEn_09205	ccsbBroad304_09205		BC103880	84618	NT5C1A	no errors	hORFeome V8.1 Collection	84618	NT5C1A	NM_032526.1	Full Length 99-100% match
ccsbBroadEn_09206	ccsbBroad304_09206		BC019338	84619	ZGPAT	no errors	hORFeome V8.1 Collection	84619	ZGPAT	NM_001195654.1	Full Length 99-100% match
ccsbBroadEn_09207	ccsbBroad304_09207	454	BC104922	84636	GPR174	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84636	GPR174	NM_032553.1	Full Length 99-100% match



ccsbBroadEn_09208	ccsbBroad304_09208		BC103966	84639	IL1F10	no errors	hORFeome V8.1 Collection	84639	IL1F10	NM_032556.4;	Full Length 99-100% match
ccsbBroadEn_09209	ccsbBroad304_09209		BC068975	84640	USP38	no errors	hORFeome V8.1 Collection	84640	USP38	NM_173161.1	Full Length 99-100% match
ccsbBroadEn_09210	ccsbBroad304_09210		BC033802	84643	KIF2B	no errors	hORFeome V8.1 Collection	84643	KIF2B	NM_032557.5	Full Length 99-100% match
ccsbBroadEn_09211	ccsbBroad304_09211		BC031998	84645	C22orf23	no errors	hORFeome V8.1 Collection	84645	C22orf23	NM_032559.4	Full Length 99-100% match
ccsbBroadEn_09212	ccsbBroad304_09212		BC033798	84654	SPZ1	no errors	hORFeome V8.1 Collection	84654	SPZ1	NM_032561.2	Full Length 99-100% match
ccsbBroadEn_09213	ccsbBroad304_09213	454	BC112334	84659	RNASE7	no errors	hORFeome V8.1 Collection	84659	RNASE7	NM_032567.3	Full Length 99-100% match
ccsbBroadEn_09214	ccsbBroad304_09214		BC015970	84661	DPY30	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84661	DPY30	NM_032572.3	Full Length 99-100% match
ccsbBroadEn_09215	ccsbBroad304_09215	454	BC093825	84674	CARD6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84674	CARD6	NM_032574.2	Full Length 99-100% match
ccsbBroadEn_09216	ccsbBroad304_09216		BC020197	84680	ACCS	no errors	hORFeome V8.1 Collection	84680	ACCS	NM_032587.3	Full Length 99-100% match
ccsbBroadEn_09217	ccsbBroad304_09217		BC029484	84688	C9orf24	no errors	hORFeome V8.1 Collection	84688	C9orf24	NM_001127219.1;	Full Length 99-100% match
ccsbBroadEn_09218	ccsbBroad304_09218		BC029483	84690	SPATA22	no errors	hORFeome V8.1 Collection	84690	SPATA22	NM_032592.3	Full Length 99-100% match
ccsbBroadEn_09219	ccsbBroad304_09219		BC030780	84692	CCDC54	no errors	hORFeome V8.1 Collection	84692	CCDC54	NM_001170695.1;	Full Length 99-100% match
ccsbBroadEn_09220	ccsbBroad304_09220		BC020825	84693	MCEE	no errors	hORFeome V8.1 Collection	84693	MCEE	NM_001170697.1;	Full Length 99-100% match
ccsbBroadEn_09221	ccsbBroad304_09221		BC000755	84717	HDGFRP2	no errors	hORFeome V8.1 Collection	84717	HDGFRP2	NM_001170698.1;	Full Length 99-100% match
ccsbBroadEn_09222	ccsbBroad304_09222		BC004949	84790	TUBA1C	no errors	hORFeome V8.1 Collection	84790	TUBA1C	NM_032598.4	Full Length 99-100% match
ccsbBroadEn_09223	ccsbBroad304_09223		BC006131	84795	PYROXD2	no errors	hORFeome V8.1 Collection	84795	PYROXD2	NM_032600.2	Full Length 99-100% match
ccsbBroadEn_09224	ccsbBroad304_09224		BC006242	84804	MFSD9	no errors	hORFeome V8.1 Collection	84804	MFSD9	NM_032601.3	Full Length 99-100% match
ccsbBroadEn_09225	ccsbBroad304_09225		BC006350	84811	BUD13	no errors	hORFeome V8.1 Collection	84811	BUD13	NM_032610.3	Full Length 99-100% match
ccsbBroadEn_09226	ccsbBroad304_09226		BC007263	84838	ZNF496	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84838	ZNF496	NM_032631.2	Full Length 99-100% match
ccsbBroadEn_09227	ccsbBroad304_09227		BC011625	84858	ZNF503	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	84858	ZNF503	NM_032632.3	Full Length 99-100% match
ccsbBroadEn_09228	ccsbBroad304_09228		BC051841	84866	TMEM25	no errors	hORFeome V8.1 Collection	84866	TMEM25	NM_032704.3	Full Length 99-100% match
ccsbBroadEn_09229	ccsbBroad304_09229		BC064807	84867	PTPN5	no errors	hORFeome V8.1 Collection	84867	PTPN5	NM_032709.2	Full Length 99-100% match
ccsbBroadEn_09230	ccsbBroad304_09230		BC063431	84868	HAVCR2	no errors	hORFeome V8.1 Collection	84868	HAVCR2	NM_032718.3	Full Length 99-100% match
ccsbBroadEn_09231	ccsbBroad304_09231		BC021973	84869	CBR4	no errors	hORFeome V8.1 Collection	84869	CBR4	NM_032725.3	Full Length 99-100% match
ccsbBroadEn_09232	ccsbBroad304_09232		BC018708	84872	ZC3H10	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	84872	ZC3H10	NM_032752.1	Full Length 99-100% match
ccsbBroadEn_09233	ccsbBroad304_09233		BC130388	84873	GPR128	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	84873	GPR128	NM_032772.4	Full Length 99-100% match
ccsbBroadEn_09234	ccsbBroad304_09234		BC006121	84883	AIFM2	no errors	hORFeome V8.1 Collection	84883	AIFM2	NM_001144034.1;	Full Length 99-100% match
ccsbBroadEn_09235	ccsbBroad304_09235		BC025740	84888	SPPL2A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	84888	SPPL2A	NM_001144035.1	Full Length 99-100% match
ccsbBroadEn_09236	ccsbBroad304_09236		BC033816	84889	SLC7A3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84889	SLC7A3	NM_006906.1;	Full Length 99-100% match
ccsbBroadEn_09237	ccsbBroad304_09237		BC008413	84912	SLC35B4	no errors	hORFeome V8.1 Collection	84912	SLC35B4	NM_032781.3	Full Length 99-100% match
ccsbBroadEn_09238	ccsbBroad304_09238		BC126237,BC126239	84914	ZNF587	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84914; 147687	ZNF587; ZNF417	NM_032782.3	Full Length 99-100% match
ccsbBroadEn_09239	ccsbBroad304_09239	454	BC037221	84915	C12orf34	1 synonymous error	hORFeome V8.1 Collection	84915	C12orf34	NM_032783.4	Full Length 99-100% match
ccsbBroadEn_09240	ccsbBroad304_09240		BC033730	84920	ALG10	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84920	ALG10	NM_032786.1	Full Length 99-100% match
ccsbBroadEn_09241	ccsbBroad304_09241		BC007064	84924	ZNF566	early stop codon	hORFeome V8.1 Mutant Subcollection	84924	ZNF566	NM_032787.2	Full Length 99-100% match
ccsbBroadEn_09242	ccsbBroad304_09242		BC032953	84929	FIBCD1	no errors	hORFeome V8.1 Collection	84929	FIBCD1	NM_032797.5;	Full Length 99-100% match
ccsbBroadEn_09243	ccsbBroad304_09243		BC040165	84935	C13orf33	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	84935	C13orf33	NM_001198696.1	Full Length 99-100% match
ccsbBroadEn_09244	Failed LR reaction		BC009855	84946	LTV1	1 synonymous error	hORFeome V8.1 Collection	84946	LTV1	NM_032802.3	Full Length 99-100% match
ccsbBroadEn_09245	ccsbBroad304_09245		BC001705	84947	SERAC1	no errors	hORFeome V8.1 Collection	84947	SERAC1	NM_032803.5;	Full Length 99-100% match
ccsbBroadEn_09246	ccsbBroad304_09246	454	BC093827	84952	CGNL1	no errors	hORFeome V8.1 Collection	84952	CGNL1	NM_001048164.2	Full Length 99-100% match
ccsbBroadEn_09247	ccsbBroad304_09247		BC017279	84957	RELT	no errors	hORFeome V8.1 Collection	84957	RELT	NM_032828.2;	Full Length 99-100% match
ccsbBroadEn_09248	ccsbBroad304_09248		BC051810	84957	RELT	no errors	hORFeome V8.1 Collection	84957	RELT	NM_152475.2	Full Length 99-100% match
ccsbBroadEn_09249	ccsbBroad304_09249		BC007637	84970	C1orf94	no errors	hORFeome V8.1 Collection	84970	C1orf94	NM_032871.3;	Full Length 99-100% match
ccsbBroadEn_09250	ccsbBroad304_09250		BC067795	84975	MFSD5	no errors	hORFeome V8.1 Collection	84975	MFSD5	NM_152222.1	Full Length 99-100% match
ccsbBroadEn_09251	ccsbBroad304_09251		BC007854,BC053506	84988	PPP1R16A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	84988	PPP1R16A	NM_032884.3	Full Length 99-100% match
ccsbBroadEn_09252	ccsbBroad304_09252		BC039322	84991	RBM17	no errors	hORFeome V8.1 Collection	84991	RBM17	NM_032889.4	Full Length 99-100% match
ccsbBroadEn_09253	ccsbBroad304_09253		BC134366	85235	HIST1H2AH	no errors	hORFeome V8.1 Collection	85235	HIST1H2AH	NM_032902.5	Full Length 99-100% match
ccsbBroadEn_09254	ccsbBroad304_09254		BC030664	85315	PAQR8	no errors	hORFeome V8.1 Collection	85315	PAQR8	NM_032905.4;	Full Length 99-100% match
ccsbBroadEn_09255	ccsbBroad304_09255		BC101134	85318	BAGE3	no errors	hORFeome V8.1 Collection	85318; 85319	BAGE3; BAGE2	NM_001145344.1;	Full Length 99-100% match
ccsbBroadEn_09256	ccsbBroad304_09256		BC104183	85352	KIAA1644	no errors	hORFeome V8.1 Collection	85352	KIAA1644	NM_032838.4;	Full Length 99-100% match
ccsbBroadEn_09257	ccsbBroad304_09257		BC021258	85363	TRIM5	no errors	hORFeome V8.1 Collection	85363	TRIM5	NM_001145106.1;	Full Length 99-100% match
ccsbBroadEn_09258	ccsbBroad304_09258		BC069627	85366	MYLK2	1 synonymous error	hORFeome V8.1 Collection	85366	MYLK2	NM_032843.4	Full Length 99-100% match
ccsbBroadEn_09259	ccsbBroad304_09259		BC069718	85397	RGS8	no errors	hORFeome V8.1 Collection	85397	RGS8	NM_032849.3	Full Length 99-100% match
ccsbBroadEn_09260	ccsbBroad304_09260		BC041329	85403	EAF1	no errors	hORFeome V8.1 Collection	85403	EAF1	NM_032860.3	Full Length 99-100% match
ccsbBroadEn_09261	ccsbBroad304_09261	454	BC051288	85407	NKD1	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	85407	NKD1	NM_032861.3	Full Length 99-100% match
ccsbBroadEn_09262	ccsbBroad304_09262	454	BC066553	85411	C6orf114	no errors	hORFeome V8.1 Collection	85411	C6orf114	NM_032866.3	Full Length 99-100% match
ccsbBroadEn_09263	ccsbBroad304_09263	454	BC050416	85414	SLC45A3	1 synonymous error	hORFeome V8.1 Collection	85414	SLC45A3	NM_032871.3;	Full Length 99-100% match
ccsbBroadEn_09264	ccsbBroad304_09264		BC022543	85437	ZCRB1	no errors	hORFeome V8.1 Collection	85437	ZCRB1	NM_152222.1	Full Length 99-100% match
ccsbBroadEn_09265	ccsbBroad304_09265		BC046111	85438	C4orf35	no errors	hORFeome V8.1 Collection	85438	C4orf35	NM_032884.3	Full Length 99-100% match
ccsbBroadEn_09266	ccsbBroad304_09266		BC037300	85457	KIAA1737	no errors	hORFeome V8.1 Collection	85457	KIAA1737	NM_032889.4	Full Length 99-100% match
ccsbBroadEn_09267	ccsbBroad304_09267	454	BC033034	85458	DIXDC1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	85458	DIXDC1	NM_033426.2	Full Length 99-100% match
ccsbBroadEn_09268	ccsbBroad304_09268		BC126180,BC126182	85481	PSKH2	no errors	hORFeome V8.1 Collection	85481	PSKH2	NM_033425.3	Full Length 99-100% match
ccsbBroadEn_09269	ccsbBroad304_09269	454	BC112058	85509	MBD3L1	no errors	hORFeome V8.1 Collection	85509	MBD3L1	NM_033126.1	Full Length 99-100% match
ccsbBroadEn_09270	ccsbBroad304_09270	454	BC053660	87178	PNPT1	no errors	hORFeome V8.1 Collection	87178	PNPT1	NM_145208.2	Full Length 99-100% match
ccsbBroadEn_09271	Failed LR reaction		BC113367	89765	RSPH1	no errors	hORFeome V8.1 Collection	89765	RSPH1	NM_033109.3	Full Length 99-100% match
ccsbBroadEn_09272	ccsbBroad304_09272		BC069596	89778	SERPIN11	no errors	hORFeome V8.1 Collection	89778	SERPIN11	NM_033119.3	Full Length 99-100% match
ccsbBroadEn_09273	ccsbBroad304_09273	454	BC101725	89790	SIGLEC10	no errors	hORFeome V8.1 Collection	89790	SIGLEC10	NM_033069.2	Full Length 99-100% match
ccsbBroadEn_09274	ccsbBroad304_09274		BC101348	89832	CHRFAM7A	no errors	hORFeome V8.1 Collection	89832	CHRFAM7A	NM_033102.2	Full Length 99-100% match
ccsbBroadEn_09275	ccsbBroad304_09275	454	BC101345	89832	CHRFAM7A	no errors	hORFeome V8.1 Collection	89832	CHRFAM7A	NM_033114.3	Full Length 99-100% match
ccsbBroadEn_09276	ccsbBroad304_09276	454	BC137489	89849	ATG16L2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	89849	ATG16L2	NM_033122.3	Full Length 99-100% match
ccsbBroadEn_09277	ccsbBroad304_09277		BC028675	89853	FAM125B	no errors	hORFeome V8.1 Collection	89853	FAM125B	NM_033426.2	Full Length 99-100% match
ccsbBroadEn_09278	ccsbBroad304_09278		BC038585	89870	TRIM15	no errors	hORFeome V8.1 Collection	89870	TRIM15	NM_033425.3	Full Length 99-100% match
ccsbBroadEn_09279	ccsbBroad304_09279		BC069607	89872	AQP10	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	89872	AQP10	NM_033126.1	Full Length 99-100% match
ccsbBroadEn_09280	ccsbBroad304_09280		CCS53296	89876	C3orf15	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	89876	C3orf15	NM_033130.4	Full Length 99-100% match
ccsbBroadEn_09281	ccsbBroad304_09281		BC033792	89882	TPD52L3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	89882	TPD52L3	NM_080860.2	Full Length 99-100% match
ccsbBroadEn_09282	ccsbBroad304_09282	454	BC074754	89886	SLAMF9	no errors	hORFeome V8.1 Collection	89886	SLAMF9	NM_080475.2	Full Length 99-100% match
ccsbBroadEn_09283	ccsbBroad304_09283		BC048796	89894	TMEM116	no errors	hORFeome V8.1 Collection	89894	TMEM116	NM_033130.4	Full Length 99-100% match



ccsbBroadEn_09284	ccsbBroad304_09284		BC141880	89910	UBE3B	no errors	hORFeome V8.1 Collection	89910	UBE3B	NM_130466.2;	Full Length 99-100% match
ccsbBroadEn_09285	ccsbBroad304_09285		BC069317	90070	LACRT	no errors	hORFeome V8.1 Collection	90070	LACRT	NM_183415.1	Full Length 99-100% match
ccsbBroadEn_09286	ccsbBroad304_09286	454	BC142996	90075	ZNF30	no errors	hORFeome V8.1 Collection	90075	ZNF30	NM_001099437.1;	Full Length 99-100% match
ccsbBroadEn_09287	ccsbBroad304_09287		BC011825	90121	TSR2	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90121	TSR2	NM_001099438.1	Full Length 99-100% match
ccsbBroadEn_09288	ccsbBroad304_09288		BC110621	90161	HS6ST2	1 synonomous error	hORFeome V8.1 Collection	90161	HS6ST2	NM_058163.1	Full Length 99-100% match
ccsbBroadEn_09289	ccsbBroad304_09289	454	BC101043	90187	EMILIN3	no errors	hORFeome V8.1 Collection	90187	EMILIN3	NM_147175.3	Full Length 99-100% match
ccsbBroadEn_09290	ccsbBroad304_09290		BC019823	90203	SNX21	no errors	hORFeome V8.1 Collection	90203	SNX21	NM_052846.1	Full Length 99-100% match
ccsbBroadEn_09291	ccsbBroad304_09291	454	BC035033	90231	KIAA2013	no errors	hORFeome V8.1 Collection	90231	KIAA2013	NM_152897.1	Full Length 99-100% match
ccsbBroadEn_09292	ccsbBroad304_09292		BC117398,BC117400	90316	TGIF2LX	no errors	hORFeome V8.1 Collection	90316	TGIF2LX	NM_138346.1	Full Length 99-100% match
ccsbBroadEn_09293	ccsbBroad304_09293		BC024294	90362	FAM110B	no errors	hORFeome V8.1 Collection	90362	FAM110B	NM_138960.3	Full Length 99-100% match
ccsbBroadEn_09294	ccsbBroad304_09294		BC008043,BC019884	90407	TMEM41A	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90407	TMEM41A	NM_147189.2	Full Length 99-100% match
ccsbBroadEn_09295	ccsbBroad304_09295		BC118639	90417	C15orf23	no errors	hORFeome V8.1 Collection	90417	C15orf23	NM_080652.3	Full Length 99-100% match
ccsbBroadEn_09296	ccsbBroad304_09296		BC008981,BC034808	90423	ATP6V1E2	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90423	ATP6V1E2	NM_033286.3	Full Length 99-100% match
ccsbBroadEn_09297	ccsbBroad304_09297		BC069328	90427	BMF	no errors	hORFeome V8.1 Collection	90427	BMF	NM_080653.3	Full Length 99-100% match
ccsbBroadEn_09298	ccsbBroad304_09298		BC008752,BC010545	90441	ZNF622	early stop codon	hORFeome V8.1 Mutant Subcollection	90441	ZNF622	NM_001003940.1	Full Length 99-100% match
ccsbBroadEn_09299	ccsbBroad304_09299		BC017317	90507	SCRN2	no errors	hORFeome V8.1 Collection	90507	SCRN2	NM_033414.2	Full Length 99-100% match
ccsbBroadEn_09300	ccsbBroad304_09300	454	BC005075,BC011833	90580	C19orf52	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90580	C19orf52	NM_138355.3	Full Length 99-100% match
ccsbBroadEn_09301	ccsbBroad304_09301		BC029558	90637	ZFAND2A	no errors	hORFeome V8.1 Collection	90637	ZFAND2A	NM_138358.2	Full Length 99-100% match
ccsbBroadEn_09302	ccsbBroad304_09302		BC117268	90649	ZNF486	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90649	ZNF486	NM_182491.2	Full Length 99-100% match
ccsbBroadEn_09303	ccsbBroad304_09303		BC009239	90678	LRSAM1	no errors	hORFeome V8.1 Collection	90678	LRSAM1	NM_052852.2	Full Length 99-100% match
ccsbBroadEn_09304	ccsbBroad304_09304		BC113603	90737	PAGE5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90737	PAGE5	NM_001005373.2;	Full Length 99-100% match
ccsbBroadEn_09305	ccsbBroad304_09305		BC020947	90809	TMEM55B	no errors	hORFeome V8.1 Collection	90809	TMEM55B	NM_138361.4;	Full Length 99-100% match
ccsbBroadEn_09306	ccsbBroad304_09306		BC035573	90843	TCEAL8	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90843	TCEAL8	NM_001005374.2	Full Length 99-100% match
ccsbBroadEn_09307	ccsbBroad304_09307	454	BC047441	90864	SPSB3	no errors	hORFeome V8.1 Collection	90864	SPSB3	NM_001013435.1	Full Length 99-100% match
ccsbBroadEn_09308	ccsbBroad304_09308	454	BC017311	90990	KIFC2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90990	KIFC2	NM_144568.2	Full Length 99-100% match
ccsbBroadEn_09309	ccsbBroad304_09309		BC015781	90993	CREB3L1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	90993	CREB3L1	NM_153333.2;	Full Length 99-100% match
ccsbBroadEn_09310	ccsbBroad304_09310		BC014097	90993	CREB3L1	no errors	hORFeome V8.1 Collection	90993	CREB3L1	NM_001006684.1	Full Length 99-100% match
ccsbBroadEn_09311	Failed LR reaction		BC069534	91227	GGTLC2	no errors	hORFeome V8.1 Collection	91227	GGTLC2	NM_080861.3	Full Length 99-100% match
ccsbBroadEn_09312	ccsbBroad304_09312		BC008993	91283	C9orf30	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	91283	C9orf30	NM_145754.2	Full Length 99-100% match
ccsbBroadEn_09313	ccsbBroad304_09313		BC008957	91304	C19orf6	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	91304	C19orf6	NM_052854.2	Full Length 99-100% match
ccsbBroadEn_09314	ccsbBroad304_09314		BC047578	91404	SESTD1	no errors	hORFeome V8.1 Collection	91404	SESTD1	NM_052854.2	Full Length 99-100% match
ccsbBroadEn_09315	ccsbBroad304_09315		BC030555	91452	ACBD5	1 synonomous error	hORFeome V8.1 Collection	91452	ACBD5	NM_199127.2	Full Length 99-100% match
ccsbBroadEn_09316	ccsbBroad304_09316		BC113633	91464	ISX	no errors	hORFeome V8.1 Collection	91464	ISX	NM_001008494.1	Full Length 99-100% match
ccsbBroadEn_09317	ccsbBroad304_09317		BC017969	91543	RSAD2	no errors	hORFeome V8.1 Collection	91543	RSAD2	NM_080657.4	Full Length 99-100% match
ccsbBroadEn_09318	ccsbBroad304_09318		BC028744	91584	PLXNA4	no errors	hORFeome V8.1 Collection	91584	PLXNA4	NM_181775.3	Full Length 99-100% match
ccsbBroadEn_09319	ccsbBroad304_09319		BC030970	91614	DEPDC7	no errors	hORFeome V8.1 Collection	91614	DEPDC7	NM_001077242.1	Full Length 99-100% match
ccsbBroadEn_09320	ccsbBroad304_09320		BC032126	91647	ATPAF2	no errors	hORFeome V8.1 Collection	91647	ATPAF2	NM_145691.3	Full Length 99-100% match
ccsbBroadEn_09321	ccsbBroad304_09321		BC028069	91662	NLRP12	no errors	hORFeome V8.1 Collection	91662	NLRP12	NM_144687.2	Full Length 99-100% match
ccsbBroadEn_09322	ccsbBroad304_09322		BC028387	91833	WDR20	no errors	hORFeome V8.1 Collection	91833	WDR20	NM_144574.2	Full Length 99-100% match
ccsbBroadEn_09323	ccsbBroad304_09323		BC011893,BC013376	91862	MARVELD3	3 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	91862	MARVELD3	NM_052858.3	Full Length 99-100% match
ccsbBroadEn_09324	ccsbBroad304_09324		BC030822,BC053538	91875	TTC5	no errors	hORFeome V8.1 Collection	91875	TTC5	NM_138376.2	Full Length 99-100% match
ccsbBroadEn_09325	ccsbBroad304_09325		BC127680	91893	FDXACB1	no errors	hORFeome V8.1 Collection	91893	FDXACB1	NM_138378.1	Full Length 99-100% match
ccsbBroadEn_09326	ccsbBroad304_09326		BC008501	91894	C11orf52	no errors	hORFeome V8.1 Collection	91894	C11orf52	NM_080659.2	Full Length 99-100% match
ccsbBroadEn_09327	ccsbBroad304_09327		BC008988	91937	TIMD4	no errors	hORFeome V8.1 Collection	91937	TIMD4	NM_138379.2	Full Length 99-100% match
ccsbBroadEn_09328	ccsbBroad304_09328		BC008500	92014	MCART1	1 synonomous error	hORFeome V8.1 Collection	92014	MCART1	NM_033412.3	Full Length 99-100% match
ccsbBroadEn_09329	ccsbBroad304_09329		BC042848	92104	TTC30A	no errors	hORFeome V8.1 Collection	92104	TTC30A	NM_152275.3	Full Length 99-100% match
ccsbBroadEn_09330	ccsbBroad304_09330		BC045642	92140	MTDH	no errors	hORFeome V8.1 Collection	92140	MTDH	NM_178812.3	Full Length 99-100% match
ccsbBroadEn_09331	ccsbBroad304_09331		BC127682	92196	DAPL1	early stop codon	hORFeome V8.1 Mutant Subcollection	92196	DAPL1	NM_001017920.2	Full Length 99-100% match
ccsbBroadEn_09332	ccsbBroad304_09332		BC110506	92255	LMBRD2	no errors	hORFeome V8.1 Collection	92255	LMBRD2	NM_001007527.1	Full Length 99-100% match
ccsbBroadEn_09333	ccsbBroad304_09333		BC117347	92291	CAPN13	no errors	hORFeome V8.1 Collection	92291	CAPN13	NM_144575.2	Full Length 99-100% match
ccsbBroadEn_09334	ccsbBroad304_09334		BC117345	92291	CAPN13	no errors	hORFeome V8.1 Collection	92291	CAPN13	NM_144575.2	Full Length 99-100% match
ccsbBroadEn_09335	ccsbBroad304_09335		BC009331	92305	TMEM129	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	92305	TMEM129	NM_138385.3	Full Length 99-100% match
ccsbBroadEn_09336	ccsbBroad304_09336		BC064945	92344	GORAB	no errors	hORFeome V8.1 Collection	92344	GORAB	NM_001146039.1	Full Length 99-100% match
ccsbBroadEn_09337	ccsbBroad304_09337		BC008207	92345	NAF1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	92345	NAF1	NM_138386.2	Full Length 99-100% match
ccsbBroadEn_09338	ccsbBroad304_09338		BC038410	92346	C1orf105	no errors	hORFeome V8.1 Collection	92346	C1orf105	NM_139240.3	Full Length 99-100% match
ccsbBroadEn_09339	ccsbBroad304_09339		BC018409	92359	CRB3	no errors	hORFeome V8.1 Collection	92359	CRB3	NM_174881.2	Full Length 99-100% match
ccsbBroadEn_09340	ccsbBroad304_09340	454	BC035834	92370	ACPL2	no errors	hORFeome V8.1 Collection	92370	ACPL2	NM_152282.3;	Full Length 99-100% match
ccsbBroadEn_09341	ccsbBroad304_09341		BC022034	92483	LDHAL6B	no errors	hORFeome V8.1 Collection	92483	LDHAL6B	NM_001037172.1	Full Length 99-100% match
ccsbBroadEn_09342	ccsbBroad304_09342		BC024189	92565	FANK1	no errors	hORFeome V8.1 Collection	92565	FANK1	NM_033195.1	Full Length 99-100% match
ccsbBroadEn_09343	ccsbBroad304_09343	454	BC075088	92591	ASB16	no errors	hORFeome V8.1 Collection	92591	ASB16	NM_145235.3	Full Length 99-100% match
ccsbBroadEn_09344	ccsbBroad304_09344		BC008821	92595	ZNF764	no errors	hORFeome V8.1 Collection	92595	ZNF764	NM_080863.4	Full Length 99-100% match
ccsbBroadEn_09345	ccsbBroad304_09345		BC121147	92609	TIMM50	no errors	hORFeome V8.1 Collection	92609	TIMM50	NM_033410.3	Full Length 99-100% match
ccsbBroadEn_09346	ccsbBroad304_09346		BC045167	92675	DTD1	no errors	hORFeome V8.1 Collection	92675	DTD1	NM_001001563.1	Full Length 99-100% match
ccsbBroadEn_09347	ccsbBroad304_09347		BC040452	92689	FAM114A1	no errors	hORFeome V8.1 Collection	92689	FAM114A1	NM_080820.4	Full Length 99-100% match
ccsbBroadEn_09348	ccsbBroad304_09348		BC001096	92689	FAM114A1	no errors	hORFeome V8.1 Collection	92689	FAM114A1	NM_138389.2	Full Length 99-100% match
ccsbBroadEn_09349	ccsbBroad304_09349		BC008429	92747	C20orf114	no errors	hORFeome V8.1 Collection	92747	C20orf114	NM_138389.2	Full Length 99-100% match
ccsbBroadEn_09350	ccsbBroad304_09350	454	BC022855	92799	SHKBP1	no errors	hORFeome V8.1 Collection	92799	SHKBP1	NM_033197.2	Full Length 99-100% match
ccsbBroadEn_09351	ccsbBroad304_09351		BC107603	92822	ZNF276	no errors	hORFeome V8.1 Collection	92822	ZNF276	NM_138392.3	Full Length 99-100% match
ccsbBroadEn_09352	ccsbBroad304_09352		BC010042	92856	IMP4	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	92856	IMP4	NM_152287.3	Full Length 99-100% match
ccsbBroadEn_09353	ccsbBroad304_09353		BC109203	93107	KCNG4	no errors	hORFeome V8.1 Collection	93107	KCNG4	NM_033416.1	Full Length 99-100% match
ccsbBroadEn_09354	ccsbBroad304_09354		BC053881	93185	IGSF8	no errors	hORFeome V8.1 Collection	93185	IGSF8	NM_172347.2	Full Length 99-100% match
ccsbBroadEn_09355	ccsbBroad304_09355		BC029894	93190	C1orf158	no errors	hORFeome V8.1 Collection	93190	C1orf158	NM_052868.2	Full Length 99-100% match
ccsbBroadEn_09356	ccsbBroad304_09356		BC036636	93273	LEMD1	no errors	hORFeome V8.1 Collection	93273	LEMD1	NM_152290.2	Full Length 99-100% match
ccsbBroadEn_09357	ccsbBroad304_09357		BC002778	93408	MYL10	no errors	hORFeome V8.1 Collection	93408	MYL10	NM_001199050.1	Full Length 99-100% match
ccsbBroadEn_09358	ccsbBroad304_09358		BC015621	93487	MAPK11P1L	no errors	hORFeome V8.1 Collection	93487	MAPK11P1L	NM_138403.4	Full Length 99-100% match
ccsbBroadEn_09359	ccsbBroad304_09359		BC128146	93492	TPTE2	no errors	hORFeome V8.1 Collection	93492	TPTE2	NM_144578.3	Full Length 99-100% match
ccsbBroadEn_09360	Failed LR reaction		BC126307	93649	MYOCD	no errors	hORFeome V8.1 Collection	93649	MYOCD	NM_001141968.1	Full Length



ccsbBroadEn_09365	ccsbBroad304_09365		BC014657	94056	SYAP1	no errors	hORFeome V8.1 Collection	94056	SYAP1	NM_032796.3	Full Length 99-100% match
ccsbBroadEn_09366	ccsbBroad304_09366	454	BC101311	94097	SFXN5	no errors	hORFeome V8.1 Collection	94097	SFXN5	NM_144579.2;	Full Length 99-100% match
										NM_080737.2;	
										NM_001174068.1;	
ccsbBroadEn_09367	ccsbBroad304_09367		BC014913	94121	SYTL4	no errors	hORFeome V8.1 Collection	94121	SYTL4	NM_001129896.2	Full Length 99-100% match
ccsbBroadEn_09368	ccsbBroad304_09368		BC113558	94233	OPN4	no errors	hORFeome V8.1 Collection	94233	OPN4	NM_033282.3	Full Length 99-100% match
ccsbBroadEn_09369	ccsbBroad304_09369		BC039318	112401	BIRC8	no errors	hORFeome V8.1 Collection	112401	BIRC8	NM_033341.3	Full Length 99-100% match
ccsbBroadEn_09370	ccsbBroad304_09370		BC071665	112401	BIRC8	no errors	hORFeome V8.1 Collection	112401	BIRC8	NM_033341.3	Full Length 99-100% match
ccsbBroadEn_09371	ccsbBroad304_09371		BC053594	112476	PRRT2	no errors	hORFeome V8.1 Collection	112476	PRRT2	NM_145239.2	Full Length 99-100% match
ccsbBroadEn_09372	ccsbBroad304_09372		BC010503	112479	ER12	no errors	hORFeome V8.1 Collection	112479	ER12	NM_080663.2	Full Length 99-100% match
ccsbBroadEn_09373	ccsbBroad304_09373		BC011593	112495	GTF3C6	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	112495	GTF3C6	NM_138408.3	Full Length 99-100% match
ccsbBroadEn_09374	ccsbBroad304_09374		BC010930	112611	RWDD2A	no errors	hORFeome V8.1 Collection	112611	RWDD2A	NM_033411.3	Full Length 99-100% match
ccsbBroadEn_09375	ccsbBroad304_09375		BC057811	112714	TUBA3E	no errors	hORFeome V8.1 Collection	112714	TUBA3E	NM_207312.2	Full Length 99-100% match
ccsbBroadEn_09376	ccsbBroad304_09376		BC070124	112744	IL17F	no errors	hORFeome V8.1 Collection	112744	IL17F	NM_052872.3	Full Length 99-100% match
ccsbBroadEn_09377	ccsbBroad304_09377		BC010436	112752	C14orf179	no errors	hORFeome V8.1 Collection	112752	C14orf179	NM_052873.2	Full Length 99-100% match
ccsbBroadEn_09378	ccsbBroad304_09378	454	BC062298	112755	STX1B	no errors	hORFeome V8.1 Collection	112755	STX1B	NM_052874.3	Full Length 99-100% match
ccsbBroadEn_09379	ccsbBroad304_09379		BC103917	112802	KRT71	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	112802	KRT71	NM_033448.2	Full Length 99-100% match
ccsbBroadEn_09380	ccsbBroad304_09380		BC045550	112817	HOGA1	no errors	hORFeome V8.1 Collection	112817	HOGA1	NM_138413.3	Full Length 99-100% match
ccsbBroadEn_09381	ccsbBroad304_09381		BC012131	112849	C14orf149	no errors	hORFeome V8.1 Collection	112849	C14orf149	NM_144581.1	Full Length 99-100% match
ccsbBroadEn_09382	ccsbBroad304_09382		BC012187	112885	PHF21B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	112885	PHF21B	NM_138415.3	Full Length 99-100% match
ccsbBroadEn_09383	ccsbBroad304_09383		BC010011	112942	CCDC104	no errors	hORFeome V8.1 Collection	112942	CCDC104	NM_080667.5	Full Length 99-100% match
ccsbBroadEn_09384	ccsbBroad304_09384	454	BC072384	113026	PLCD3	no errors	hORFeome V8.1 Collection	113026	PLCD3	NM_133373.3	Full Length 99-100% match
ccsbBroadEn_09385	ccsbBroad304_09385		BC009750	113278	C20orf54	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	113278	C20orf54	NM_033409.3	Full Length 99-100% match
ccsbBroadEn_09386	ccsbBroad304_09386		BC057810	113457	TUBA3D	no errors	hORFeome V8.1 Collection	113457	TUBA3D	NM_080386.2	Full Length 99-100% match
ccsbBroadEn_09387	ccsbBroad304_09387		BC132767	113612	CYP2U1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	113612	CYP2U1	NM_183075.2	Full Length 99-100% match
ccsbBroadEn_09388	ccsbBroad304_09388		BC009849	113675	SDSL	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	113675	SDSL	NM_138432.2	Full Length 99-100% match
ccsbBroadEn_09389	ccsbBroad304_09389		BC011049	113791	PIK3IP1	no errors	hORFeome V8.1 Collection	113791	PIK3IP1	NM_052880.4	Full Length 99-100% match
										NM_144584.2;	
ccsbBroadEn_09390	ccsbBroad304_09390		BC012198	113802	C1orf59	no errors	hORFeome V8.1 Collection	113802	C1orf59	NM_001102592.1	Full Length 99-100% match
										NM_020892.2;	
										NM_001102594.1;	
ccsbBroadEn_09391	ccsbBroad304_09391		BC008856,BC026059	113878	DTX2	no errors	hORFeome V8.1 Collection	113878	DTX2	NM_001102595.1	Full Length 99-100% match
ccsbBroadEn_09392	ccsbBroad304_09392		BC011696	114049	WBSCR22	1 synonymous error	hORFeome V8.1 Collection	114049	WBSCR22	NM_017528.2	Full Length 99-100% match
ccsbBroadEn_09393	ccsbBroad304_09393		BC069530	114131	UCN3	no errors	hORFeome V8.1 Collection	114131	UCN3	NM_053049.2	Full Length 99-100% match
ccsbBroadEn_09394	ccsbBroad304_09394		BC039306	114299	PALM2	no errors	hORFeome V8.1 Collection	114299	PALM2	NM_001037293.2	Full Length 99-100% match
ccsbBroadEn_09395	ccsbBroad304_09395		BC020210	114327	EFHC1	no errors	hORFeome V8.1 Collection	114327	EFHC1	NM_018100.3	Full Length 99-100% match
ccsbBroadEn_09396	ccsbBroad304_09396		BC032474	114609	TIRAP	no errors	hORFeome V8.1 Collection	114609	TIRAP	NM_001039661.1	Full Length 99-100% match
ccsbBroadEn_09397	ccsbBroad304_09397		BC029798	114757	CYGB	no errors	hORFeome V8.1 Collection	114757	CYGB	NM_134268.3	Full Length 99-100% match
ccsbBroadEn_09398	ccsbBroad304_09398		BC069741	114771	PGLYRP3	no errors	hORFeome V8.1 Collection	114771	PGLYRP3	NM_052891.1	Full Length 99-100% match
ccsbBroadEn_09399	ccsbBroad304_09399	454	BC071560	114791	TUBGCP5	no errors	hORFeome V8.1 Collection	114791	TUBGCP5	NM_052903.4	Full Length 99-100% match
ccsbBroadEn_09400	ccsbBroad304_09400	454	BC089426	114799	ESCO1	no errors	hORFeome V8.1 Collection	114799	ESCO1	NM_052911.2	Full Length 99-100% match
ccsbBroadEn_09401	ccsbBroad304_09401	454	BC044246	114801	TMEM200A	no errors	hORFeome V8.1 Collection	114801	TMEM200A	NM_052913.2	Full Length 99-100% match
										NM_001103150.1;	
										NM_052926.2;	
										NM_001103151.1;	
ccsbBroadEn_09402	ccsbBroad304_09402		BC101112	114824	PNMA5	no errors	hORFeome V8.1 Collection	114824	PNMA5	NM_001184924.1	Full Length 99-100% match
ccsbBroadEn_09403	ccsbBroad304_09403		BC035077	114826	SMYD4	no errors	hORFeome V8.1 Collection	114826	SMYD4	NM_052928.2	Full Length 99-100% match
ccsbBroadEn_09404	ccsbBroad304_09404		BC065482	114881	OSBPL7	no errors	hORFeome V8.1 Collection	114881	OSBPL7	NM_145798.2	Full Length 99-100% match
										NM_031910.3;	
ccsbBroadEn_09405	ccsbBroad304_09405		BC020551	114904	C1QTNF6	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	114904	C1QTNF6	NM_182486.1	Full Length 99-100% match
ccsbBroadEn_09406	ccsbBroad304_09406		BC120963,CCSB53364	114907	FBXO32	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	114907	FBXO32	NM_148177.1	Full Length 99-100% match
ccsbBroadEn_09407	ccsbBroad304_09407		BC066897	114932	MRFAP1L1	no errors	hORFeome V8.1 Collection	114932	MRFAP1L1	NM_203462.2	Full Length 99-100% match
ccsbBroadEn_09408	ccsbBroad304_09408		BC068575	114990	VASN	no errors	hORFeome V8.1 Collection	114990	VASN	NM_138440.2	Full Length 99-100% match
ccsbBroadEn_09409	ccsbBroad304_09409		BC113606,BC113608	115004	C6orf150	no errors	hORFeome V8.1 Collection	115004	C6orf150	NM_138441.2	Full Length 99-100% match
ccsbBroadEn_09410	ccsbBroad304_09410	454	BC108714	115004	C6orf150	early stop codon	hORFeome V8.1 Mutant Subcollection	115004	C6orf150	NM_138441.2	Full Length 99-100% match
ccsbBroadEn_09411	ccsbBroad304_09411	454	BC151208	115019	SLC26A9	no errors	hORFeome V8.1 Collection	115019	SLC26A9	NM_052934.3	Full Length 99-100% match
										NM_138442.3;	
ccsbBroadEn_09412	ccsbBroad304_09412		BC013949	115098	CCDC124	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	115098	CCDC124	NM_001136203.1	Full Length 99-100% match
ccsbBroadEn_09413	ccsbBroad304_09413		BC047777	115196	ZNF554	no errors	hORFeome V8.1 Collection	115196	ZNF554	NM_001102651.1	Full Length 99-100% match
ccsbBroadEn_09414	ccsbBroad304_09414		BC012915	115209	OMA1	no errors	hORFeome V8.1 Collection	115209	OMA1	NM_145243.3	Full Length 99-100% match
ccsbBroadEn_09415	ccsbBroad304_09415		BC012385	115290	FBXO17	no errors	hORFeome V8.1 Collection	115290	FBXO17	NM_024907.5	Full Length 99-100% match
ccsbBroadEn_09416	Failed LR reaction		BC032670	115294	PCMTD1	no errors	hORFeome V8.1 Collection	115294	PCMTD1	NM_052937.2	Full Length 99-100% match
ccsbBroadEn_09417	ccsbBroad304_09417	454	BC070055	115361	GBP4	no errors	hORFeome V8.1 Collection	115361	GBP4	NM_052941.4	Full Length 99-100% match
										NM_153443.3;	
ccsbBroadEn_09418	ccsbBroad304_09418	454	BC136283	115653	KIR3DL3	no errors	hORFeome V8.1 Collection	115653; 100133046	KIR3DL3;	LOC100133046	Full Length 99-100% match
ccsbBroadEn_09419	ccsbBroad304_09419		BC014111	115704	EV15L	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	115704	EV15L	NM_145245.3	Full Length 99-100% match
ccsbBroadEn_09420	ccsbBroad304_09420	454	BC150202	115727	RASGRP4	no errors	hORFeome V8.1 Collection	115727	RASGRP4	NM_001146202.1	Full Length 99-100% match
ccsbBroadEn_09421	ccsbBroad304_09421		BC022089	115752	DIS3L	no errors	hORFeome V8.1 Collection	115752	DIS3L	NM_133375.3	Full Length 99-100% match
										NM_138452.2;	
ccsbBroadEn_09422	ccsbBroad304_09422		BC015943	115817	DHRS1	no errors	hORFeome V8.1 Collection	115817	DHRS1	NM_001136050.2	Full Length 99-100% match
ccsbBroadEn_09423	ccsbBroad304_09423		BC013033	115827	RAB3C	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	115827	RAB3C	NM_138453.2	Full Length 99-100% match
ccsbBroadEn_09424	ccsbBroad304_09424		BC014127	115861	NXNL1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	115861	NXNL1	NM_138454.1	Full Length 99-100% match
ccsbBroadEn_09425	ccsbBroad304_09425		BC013948	115992	RNF166	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	115992	RNF166	NM_178841.3	Full Length 99-100% match
ccsbBroadEn_09426	ccsbBroad304_09426		BC017226	115992	RNF166	no errors	hORFeome V8.1 Collection	115992	RNF166	NM_178841.3	Full Length 99-100% match
ccsbBroadEn_09427	ccsbBroad304_09427	454	BC031016	116028	C16orf75	no errors	hORFeome V8.1 Collection	116028	C16orf75	NM_152308.1	Full Length 99-100% match
ccsbBroadEn_09428	ccsbBroad304_09428		BC053348	116085	SLC22A12	no errors	hORFeome V8.1 Collection	116085	SLC22A12	NM_144585.2	Full Length 99-100% match
ccsbBroadEn_09429	ccsbBroad304_09429		BC052803	116113	FOXP4	no errors	hORFeome V8.1 Collection	116113	FOXP4	NM_001012427.1	Full Length 99-100% match
ccsbBroadEn_09430	ccsbBroad304_09430		BC012948	116225	ZMYND19	1 synonymous error	hORFeome V8.1 Collection	116225	ZMYND19	NM_138462.2	Full Length 99-100% match
ccsbBroadEn_09431	ccsbBroad304_09431	454	BC012476	116236	ABHD15	no errors	hORFeome V8.1 Collection	116236	ABHD15	NM_198147.2	Full Length 99-100% match
ccsbBroadEn_09432	ccsbBroad304_09432		BC125178	116285	ACSM1	no errors	hORFeome V8.1 Collection	116285	ACSM1	NM_052956.2	Full Length 99-100% match
										NM_001166598.1;	
ccsbBroadEn_09433	ccsbBroad304_09433	454	BC101787	116519	APOA5	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	116519	APOA5	NM_052968.4	Full Length 99-100% match
ccsbBroadEn_09434	ccsbBroad304_09434		BC065273	116541	MRPL54	no errors	hORFeome V8.1 Collection	116541	MRPL54	NM_172251.2	Full Length 99-100% match
ccsbBroadEn_09435	ccsbBroad304_09435	454	BC110881	116835	HSPA12B	no errors	hORFeome V8.1 Collection	116835	HSPA12B	NM_052970.4	Full Length 99-100% match
ccsbBroadEn_09436	ccsbBroad304_09436		BC018760	116841	SNAP47	no errors	hORFeome V8.1 Collection	116841	SNAP47	NM_053052.3	Full Length 99-100% match
ccsbBroadEn_09437	ccsbBroad304_09437		BC034389	116844	LRG1	no errors	hORFeome V8.1 Collection	116844	LRG1	NM_052972.2	Full Length 99-100% match
ccsbBroadEn_09438	ccsbBroad304_09438	454	BC051194	116983	ACAP3	no errors	hORFeome V8.1 Collection	116983	ACAP3	NM_030649.2	Full Length 99-100% match
ccsbBroadEn_09439	ccsbBroad304_09439	454	BC140792	116985	ARAP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	116985	ARAP1	NM_001135190.1	Full Length 99-100% match
ccsbBroadEn_09440	ccsbBroad304_09440		BC032950	117144	CATSPER1	no errors	hORFeome V8.1 Collection	117144	CATSPER1	NM_053054.3	Full Length 99-100% match
ccsbBroadEn_09441	ccsbBroad304_09441	454	BC065277	117145	THEM4	no errors	hORFeome V8.1 Collection	117145	THEM4	NM_053055.3	Full Length 99-100% match
ccsbBroadEn_09442	ccsbBroad304_09442		BC028728	117155	CATSPER2	no errors	hORFeome V8.1 Collection	11715			



ccsbBroadEn_09444	ccsbBroad304_09444		BC033637	117178	SSX2IP	early stop codon	hORFeome V8.1 Mutant Subcollection	117178	SSX2IP	NM_014021.3; NM_001166293.1; NM_001166417.1	Full Length 99-100% match
ccsbBroadEn_09445	ccsbBroad304_09445		BC067292	117195	MRGPRX3	no errors	hORFeome V8.1 Collection	117195	MRGPRX3	NM_054031.3	Full Length 99-100% match
ccsbBroadEn_09446	ccsbBroad304_09446		BC107099	117196	MRGPRX4	no errors	hORFeome V8.1 Collection	117196	MRGPRX4	NM_054032.3	Full Length 99-100% match
ccsbBroadEn_09447	ccsbBroad304_09447		BC014789	117248	GALNT2	no errors	hORFeome V8.1 Collection	117248	GALNT2	NM_054110.4	Full Length 99-100% match
ccsbBroadEn_09448	ccsbBroad304_09448	454	BC089389	117283	IP6K3	no errors	hORFeome V8.1 Collection	117283	IP6K3	NM_054111.4; NM_001142883.1	Full Length 99-100% match
ccsbBroadEn_09449	ccsbBroad304_09449		BC112200,BC113591	117286	CIB3	no errors	hORFeome V8.1 Collection	117286	CIB3	NM_054113.2	Full Length 99-100% match
ccsbBroadEn_09450	ccsbBroad304_09450		BC113430	118424	UBE2J2	no errors	hORFeome V8.1 Collection	118424	UBE2J2	NM_058167.2	Full Length 99-100% match
ccsbBroadEn_09451	ccsbBroad304_09451		BC022531	118427	OLFM3	no errors	hORFeome V8.1 Collection	118427	OLFM3	NM_058170.2	Full Length 99-100% match
ccsbBroadEn_09452	ccsbBroad304_09452		BC111421	118430	MUCL1	no errors	hORFeome V8.1 Collection	118430	MUCL1	NM_058173.2	Full Length 99-100% match
ccsbBroadEn_09453	ccsbBroad304_09453		BC071872	118471	PRAP1	no errors	hORFeome V8.1 Collection	118471	PRAP1	NM_145202.4	Full Length 99-100% match
ccsbBroadEn_09454	ccsbBroad304_09454	454	BC094693	118490	ZMYND17	no errors	hORFeome V8.1 Collection	118490	ZMYND17	NM_001024593.1	Full Length 99-100% match
ccsbBroadEn_09455	ccsbBroad304_09455		BC035344	118672	PSTK	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	118672	PSTK	NM_153336.2	Full Length 99-100% match
ccsbBroadEn_09456	ccsbBroad304_09456		BC010230	118812	MORN4	no errors	hORFeome V8.1 Collection	118812	MORN4	NM_178832.3; NM_001098831.1	Full Length 99-100% match
ccsbBroadEn_09457	ccsbBroad304_09457		BC018007	118924	FRA10AC1	no errors	hORFeome V8.1 Collection	118924	FRA10AC1	NM_145246.4	Full Length 99-100% match
ccsbBroadEn_09458	ccsbBroad304_09458		BC021671	118932	ANKRD22	no errors	hORFeome V8.1 Collection	118932	ANKRD22	NM_144590.2	Full Length 99-100% match
ccsbBroadEn_09459	ccsbBroad304_09459		BC066294	119180	LYZL2	no errors	hORFeome V8.1 Collection	119180	LYZL2	NM_183058.2	Full Length 99-100% match
ccsbBroadEn_09460	ccsbBroad304_09460		BC020892	119392	C10orf78	no errors	hORFeome V8.1 Collection	119392	C10orf78	NM_145247.4	Full Length 99-100% match
ccsbBroadEn_09461	ccsbBroad304_09461		BC029478	119467	CLRN3	no errors	hORFeome V8.1 Collection	119467	CLRN3	NM_152311.3	Full Length 99-100% match
ccsbBroadEn_09462	ccsbBroad304_09462		BC117224	119548	PNLIPRP3	no errors	hORFeome V8.1 Collection	119548	PNLIPRP3	NM_001011709.2	Full Length 99-100% match
ccsbBroadEn_09463	ccsbBroad304_09463		BC036789	119587	CPXM2	no errors	hORFeome V8.1 Collection	119587	CPXM2	NM_198148.2	Full Length 99-100% match
ccsbBroadEn_09464	ccsbBroad304_09464		BC047374	120103	SLC36A4	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	120103	SLC36A4	NM_152313.2	Full Length 99-100% match
ccsbBroadEn_09465	ccsbBroad304_09465		BC029049	120400	FAM55A	no errors	hORFeome V8.1 Collection	120400	FAM55A	NM_152315.2	Full Length 99-100% match
ccsbBroadEn_09466	ccsbBroad304_09466	454	BC137209	120775	OR2D3	no errors	hORFeome V8.1 Collection	120775	OR2D3	NM_001004684.1	Full Length 99-100% match
ccsbBroadEn_09467	ccsbBroad304_09467		BC114626	121256	TMEM132D	no errors	hORFeome V8.1 Collection	121256	TMEM132D	NM_133448.2	Full Length 99-100% match
ccsbBroadEn_09468	ccsbBroad304_09468	454	BC114499	121278	TPH2	no errors	hORFeome V8.1 Collection	121278	TPH2	NM_173353.3	Full Length 99-100% match
ccsbBroadEn_09469	ccsbBroad304_09469		BC021179	121355	GTSF1	no errors	hORFeome V8.1 Collection	121355	GTSF1	NM_144594.2	Full Length 99-100% match
ccsbBroadEn_09470	ccsbBroad304_09470	454	BC146825	121643	FOXN4	no errors	hORFeome V8.1 Collection	121643	FOXN4	NM_213596.2	Full Length 99-100% match
ccsbBroadEn_09471	ccsbBroad304_09471		BC028723	122011	CSNK1A1L	no errors	hORFeome V8.1 Collection	122011	CSNK1A1L	NM_145203.5	Full Length 99-100% match
ccsbBroadEn_09472	ccsbBroad304_09472		BC038970	122664	TPPP2	no errors	hORFeome V8.1 Collection	122664	TPPP2	NM_173846.4	Full Length 99-100% match
ccsbBroadEn_09473	ccsbBroad304_09473	454	BC101597	122773	KLHDC1	early stop codon	hORFeome V8.1 Mutant Subcollection	122773	KLHDC1	NM_172193.2	Full Length 99-100% match
ccsbBroadEn_09474	ccsbBroad304_09474		BC066965	122945	C14orf148	no errors	hORFeome V8.1 Collection	122945	C14orf148	NM_001113475.1	Full Length 99-100% match
ccsbBroadEn_09475	ccsbBroad304_09475		BC032893	122961	ISCA2	no errors	hORFeome V8.1 Collection	122961	ISCA2	NM_194279.2	Full Length 99-100% match
ccsbBroadEn_09476	ccsbBroad304_09476	454	BC063598	123099	DEGS2	no errors	hORFeome V8.1 Collection	123099	DEGS2	NM_206918.2	Full Length 99-100% match
ccsbBroadEn_09477	ccsbBroad304_09477		BC031411	123228	SENP8	no errors	hORFeome V8.1 Collection	123228	SENP8	NM_145204.3; NM_001166340.1; NM_001172109.1; NM_001172110.1;	Full Length 99-100% match
ccsbBroadEn_09478	ccsbBroad304_09478	454	BC064143	123775	C16orf46	no errors	hORFeome V8.1 Collection	123775	C16orf46	NM_001100873.1	Full Length 99-100% match
ccsbBroadEn_09479	ccsbBroad304_09479		BC039608,BC053588	124044	SPATA2L	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	124044	SPATA2L	NM_152339.3	Full Length 99-100% match
ccsbBroadEn_09480	ccsbBroad304_09480		BC015917	124056	NOXO1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	124056	NOXO1	NM_144603.2	Full Length 99-100% match
ccsbBroadEn_09481	ccsbBroad304_09481		BC050463	124245	ZC3H18	no errors	hORFeome V8.1 Collection	124245	ZC3H18	NM_144604.3	Full Length 99-100% match
ccsbBroadEn_09482	ccsbBroad304_09482		BC063423	124460	SNX20	no errors	hORFeome V8.1 Collection	124460	SNX20	NM_001144972.1	Full Length 99-100% match
ccsbBroadEn_09483	ccsbBroad304_09483		BC001526	124540	MSI2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	124540	MSI2	NM_138962.2	Full Length 99-100% match
ccsbBroadEn_09484	ccsbBroad304_09484		BC028091	124599	CD300LB	no errors	hORFeome V8.1 Collection	124599	CD300LB	NM_174892.2	Full Length 99-100% match
ccsbBroadEn_09485	ccsbBroad304_09485		BC028124	124783	C17orf46	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	124783	C17orf46	NM_152343.2	Full Length 99-100% match
ccsbBroadEn_09486	ccsbBroad304_09486	454	BC044587	124801	LSM12	no errors	hORFeome V8.1 Collection	124801	LSM12	NM_152344.3	Full Length 99-100% match
ccsbBroadEn_09487	ccsbBroad304_09487		BC113677	124872	B4GALNT2	no errors	hORFeome V8.1 Collection	124872	B4GALNT2	NM_153446.2	Full Length 99-100% match
ccsbBroadEn_09488	ccsbBroad304_09488		BC040036	124944	C17orf49	no errors	hORFeome V8.1 Collection	124944	C17orf49	NM_174893.2	Full Length 99-100% match
ccsbBroadEn_09489	ccsbBroad304_09489		BC015904	124995	MRPL10	no errors	hORFeome V8.1 Collection	124995	MRPL10	NM_145255.3	Full Length 99-100% match
ccsbBroadEn_09490	ccsbBroad304_09490		BC014973	125170	SMCR7	no errors	hORFeome V8.1 Collection	125170	SMCR7	NM_148886.1; NM_139162.3	Full Length 99-100% match
ccsbBroadEn_09491	ccsbBroad304_09491		BC047720	125336	LOXHD1	no errors	hORFeome V8.1 Collection	125336	LOXHD1	NM_001145473.2	Full Length 99-100% match
ccsbBroadEn_09492	ccsbBroad304_09492		BC029518	125875	CLDND2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	125875	CLDND2	NM_152353.2	Full Length 99-100% match
ccsbBroadEn_09493	ccsbBroad304_09493	454	BC137551	125963	OR1M1	no errors	hORFeome V8.1 Collection	125963	OR1M1	NM_001004456.1	Full Length 99-100% match
ccsbBroadEn_09494	ccsbBroad304_09494		BC014595	125972	CALR3	no errors	hORFeome V8.1 Collection	125972	CALR3	NM_145046.3	Full Length 99-100% match
ccsbBroadEn_09495	ccsbBroad304_09495	454	BC068071	126074	C19orf39	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	126074	C19orf39	NM_175871.3	Full Length 99-100% match
ccsbBroadEn_09496	ccsbBroad304_09496		BC015655	126259	TMIGD2	no errors	hORFeome V8.1 Collection	126259	TMIGD2	NM_144615.2	Full Length 99-100% match
ccsbBroadEn_09497	ccsbBroad304_09497		BC028974	126295	ZNF57	2 synonomous errors	hORFeome V8.1 Mutant Subcollection	126295	ZNF57	NM_173480.2	Full Length 99-100% match
ccsbBroadEn_09498	ccsbBroad304_09498		BC045799	126299	ZNF428	no errors	hORFeome V8.1 Collection	126299	ZNF428	NM_182498.3	Full Length 99-100% match
ccsbBroadEn_09499	ccsbBroad304_09499		BC071640	126364	LRRC25	no errors	hORFeome V8.1 Collection	126364	LRRC25	NM_145256.2	Full Length 99-100% match
ccsbBroadEn_09500	ccsbBroad304_09500	454	BC068046	126393	HSPB6	no errors	hORFeome V8.1 Collection	126393	HSPB6	NM_144617.1	Full Length 99-100% match
ccsbBroadEn_09501	ccsbBroad304_09501		BC014527,BC030060	126433	FBXO27	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	126433	FBXO27	NM_178820.3	Full Length 99-100% match
ccsbBroadEn_09502	ccsbBroad304_09502		BC034304	126789	PUSL1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	126789	PUSL1	NM_153339.1	Full Length 99-100% match
ccsbBroadEn_09503	ccsbBroad304_09503		BC066896	126823	KLHDC9	no errors	hORFeome V8.1 Collection	126823	KLHDC9	NM_152366.4	Full Length 99-100% match
ccsbBroadEn_09504	ccsbBroad304_09504		BC128148	126868	C1orf161	no errors	hORFeome V8.1 Collection	126868	C1orf161	NM_152367.2	Full Length 99-100% match
ccsbBroadEn_09505	Failed LR reaction		BC053877	126969	SLC44A3	no errors	hORFeome V8.1 Collection	126969	SLC44A3	NM_152369.3	Full Length 99-100% match
ccsbBroadEn_09506	ccsbBroad304_09506	454	BC071765	127253	TYW3	no errors	hORFeome V8.1 Collection	127253	TYW3	NM_138467.2	Full Length 99-100% match
ccsbBroadEn_09507	ccsbBroad304_09507		BC030608	127435	PODN	no errors	hORFeome V8.1 Collection	127435	PODN	NM_153703.4	Full Length 99-100% match
ccsbBroadEn_09508	ccsbBroad304_09508		BC021180	127540	HMGB4	no errors	hORFeome V8.1 Collection	127540	HMGB4	NM_145205.4	Full Length 99-100% match
ccsbBroadEn_09509	ccsbBroad304_09509	454	BC137205	127623	OR2B11	1 synonomous error	hORFeome V8.1 Collection	127623	OR2B11	NM_001004492.1	Full Length 99-100% match
ccsbBroadEn_09510	ccsbBroad304_09510	454	BC026046	127933	UHMK1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	127933	UHMK1	NM_144624.2	Full Length 99-100% match
ccsbBroadEn_09511	ccsbBroad304_09511		BC131536	128239	IQGAP3	no errors	hORFeome V8.1 Collection	128239	IQGAP3	NM_178229.4	Full Length 99-100% match
ccsbBroadEn_09512	ccsbBroad304_09512	454	BC146847	128372	OR6N1	1 synonomous error	hORFeome V8.1 Collection	128372	OR6N1	NM_001005185.1	Full Length 99-100% match
ccsbBroadEn_09513	ccsbBroad304_09513		BC041812	128414	NKAIN4	no errors	hORFeome V8.1 Collection	128414	NKAIN4	NM_152864.3	Full Length 99-100% match
ccsbBroadEn_09514	ccsbBroad304_09514		BC033502	128646	SIRPD	no errors	hORFeome V8.1 Collection	128646	SIRPD	NM_178460.2	Full Length 99-100% match
ccsbBroadEn_09515	ccsbBroad304_09515	454	BC104959	128674	PROKR2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	128674	PROKR2	NM_144773.2	Full Length 99-100% match
ccsbBroadEn_09516	ccsbBroad304_09516		BC117396	128817	CSTL1	no errors	hORFeome V8.1 Collection	128817	CSTL1	NM_138283.1	Full Length 99-100% match
ccsbBroadEn_09517	ccsbBroad304_09517		BC056911	128853	DUSP15	no errors	hORFeome V8.1 Collection	128853	DUSP15	NM_080611.3	Full Length 99-100% match
ccsbBroadEn_09518	ccsbBroad304_09518		BC041339	128989	C22orf25	no errors	hORFeome V8.1 Collection	128989	C22orf25	NM_152906.4	Full Length 99-100% match
ccsbBroadEn_09519	ccsbBroad304_09519		BC053901	129025	ZNF280A	no errors	hORFeome V8.1 Collection	129025	ZNF280A	NM_080740.3	Full Length 99-100% match
ccsbBroadEn_09520	ccsbBroad304_09520		BC046358	129080	EMID1	no errors	hORFeome V8.1 Collection	129080	EMID1	NM_133455.2	Full Length 99-100% match
ccsbBroadEn_09521	ccsbBroad304_09521		BC117214	129807	NEU4	no errors	hORFeome V8.1 Collection	129807	NEU4	NM_080741.2	Full Length 99-100% match
ccsbBroadEn_09522	ccsbBroad304_09522		BC044593	129880	BBS5	no errors	hORFeome V8.1 Collection	129880	BBS5	NM_152384.2	Full Length 99-100% match
ccsbBroadEn_09523	ccsbBroad304_09523		BC103854	130120	REG3G	no errors	hORFeome V8.1 Collection	130120	REG3G	NM_198448.2; NM_001008387.1	Full Length 99-100% match
ccsbBroadEn_09524	ccsbBroad304_09524		BC036908	130162	C2orf63	no errors	hORFeome V8.1 Collection	130162	C2orf63	NM_001135598.1	Full Length 99-100% match
ccsbBroadEn_09525	ccsbBroad304_09525		BC029502	130162	C2orf63	no errors	hORFeome V8.1 Collection	130162	C2orf63	NM_152385.2	Full Length 99-100% match
ccsbBroadEn_09526	ccsbBroad304_09526		BC134342	130367							



ccsbBroadEn_09527	ccsbBroad304_09527		BC022530	130399	ACVR1C	no errors	hORFeome V8.1 Collection	130399	ACVR1C	NM_145259.2	Full Length 99-100% match
ccsbBroadEn_09528	ccsbBroad304_09528	454	BC112078	130749	CPO	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	130749	CPO	NM_173077.2	Full Length 99-100% match
ccsbBroadEn_09529	ccsbBroad304_09529		BC027625	130814	PQLC3	no errors	hORFeome V8.1 Collection	130814	PQLC3	NM_152391.3	Full Length 99-100% match
ccsbBroadEn_09530	ccsbBroad304_09530		BC130306,BC130308	130827	TMEM182	no errors	hORFeome V8.1 Collection	130827	TMEM182	NM_144632.3	Full Length 99-100% match
ccsbBroadEn_09531	ccsbBroad304_09531		BC009702	131118	DNAJC19	no errors	hORFeome V8.1 Collection	131118	DNAJC19	NM_145261.3; NM_001190233.1	Full Length 99-100% match
ccsbBroadEn_09532	ccsbBroad304_09532		BC110491	131377	KBTD5	no errors	hORFeome V8.1 Collection	131377	KBTD5	NM_152393.2	Full Length 99-100% match
ccsbBroadEn_09533	ccsbBroad304_09533	454	BC101064	131578	LRRC15	no errors	hORFeome V8.1 Collection	131578	LRRC15	NM_130830.4	Full Length 99-100% match
ccsbBroadEn_09534	ccsbBroad304_09534		BC071780	131920	TMEM207	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	131920	TMEM207	NM_207316.1	Full Length 99-100% match
ccsbBroadEn_09535	ccsbBroad304_09535	454	BC137078	132014	IL17RE	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	132014	IL17RE	NM_153480.1	Full Length 99-100% match
ccsbBroadEn_09536	ccsbBroad304_09536		BC029595	132141	IQCF1	no errors	hORFeome V8.1 Collection	132141	IQCF1	NM_152397.2	Full Length 99-100% match
ccsbBroadEn_09537	ccsbBroad304_09537		BC032808	132299	OciAD2	1 synonymous error	hORFeome V8.1 Collection	132299	OciAD2	NM_152398.2	Full Length 99-100% match
ccsbBroadEn_09538	ccsbBroad304_09538		BC032582	132321	C4orf33	no errors	hORFeome V8.1 Collection	132321	C4orf33	NM_001099783.1; NM_173487.2	Full Length 99-100% match
ccsbBroadEn_09539	ccsbBroad304_09539	454	BC047657	132332	TMEM155	no errors	hORFeome V8.1 Collection	132332	TMEM155	NM_152399.2	Full Length 99-100% match
ccsbBroadEn_09540	ccsbBroad304_09540	454	BC025396	132671	SPATA18	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	132671	SPATA18	NM_145263.2	Full Length 99-100% match
ccsbBroadEn_09541	ccsbBroad304_09541	454	BC022534	132720	C4orf32	no errors	hORFeome V8.1 Collection	132720	C4orf32	NM_152400.2	Full Length 99-100% match
ccsbBroadEn_09542	ccsbBroad304_09542		BC126195	132724	TMPRSS11B	no errors	hORFeome V8.1 Collection	132724	TMPRSS11B	NM_182502.3	Full Length 99-100% match
ccsbBroadEn_09543	ccsbBroad304_09543		BC021731	132851	SPATA4	no errors	hORFeome V8.1 Collection	132851	SPATA4	NM_144644.2	Full Length 99-100% match
ccsbBroadEn_09544	ccsbBroad304_09544		BC034431	132954	PDCL2	early stop codon	hORFeome V8.1 Mutant Subcollection	132954	PDCL2	NM_152401.2	Full Length 99-100% match
ccsbBroadEn_09545	ccsbBroad304_09545		BC030831	133022	TRAM1L1	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	133022	TRAM1L1	NM_152402.2	Full Length 99-100% match
ccsbBroadEn_09546	ccsbBroad304_09546		BC130430,BC130432	133060	OTOP1	no errors	hORFeome V8.1 Collection	133060	OTOP1	NM_177998.1	Full Length 99-100% match
ccsbBroadEn_09547	ccsbBroad304_09547		BC036528	133383	C5orf35	no errors	hORFeome V8.1 Collection	133383	C5orf35	NM_153706.3	Full Length 99-100% match
ccsbBroadEn_09548	ccsbBroad304_09548	454	BC132971	133522	PPARGC1B	early stop codon	hORFeome V8.1 Mutant Subcollection	133522	PPARGC1B	NM_133263.3	Full Length 99-100% match
ccsbBroadEn_09549	ccsbBroad304_09549		BC063822	133584	EGFLAM	no errors	hORFeome V8.1 Collection	133584	EGFLAM	NM_152403.2	Full Length 99-100% match
ccsbBroadEn_09550	ccsbBroad304_09550		BC035012	133688	UGT3A1	no errors	hORFeome V8.1 Collection	133688	UGT3A1	NM_001171873.1	Full Length 99-100% match
ccsbBroadEn_09551	ccsbBroad304_09551	454	BC133022	133923	ZNF474	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	133923	ZNF474	NM_207317.1	Full Length 99-100% match
ccsbBroadEn_09552	ccsbBroad304_09552		BC063406	134145	FAM173B	no errors	hORFeome V8.1 Collection	134145	FAM173B	NM_199133.2	Full Length 99-100% match
ccsbBroadEn_09553	ccsbBroad304_09553		BC035310	134285	TMEM171	no errors	hORFeome V8.1 Collection	134285	TMEM171	NM_001161342.1	Full Length 99-100% match
ccsbBroadEn_09554	ccsbBroad304_09554		BC018083	134285	TMEM171	no errors	hORFeome V8.1 Collection	134285	TMEM171	NM_173490.6	Full Length 99-100% match
ccsbBroadEn_09555	ccsbBroad304_09555	454	BC133025	134430	WDR36	no errors	hORFeome V8.1 Collection	134430	WDR36	NM_139281.2	Full Length 99-100% match
ccsbBroadEn_09556	ccsbBroad304_09556		BC112253,BC112255	134728	IRAK1BP1	no errors	hORFeome V8.1 Collection	134728	IRAK1BP1	NM_001010844.1	Full Length 99-100% match
ccsbBroadEn_09557	ccsbBroad304_09557		BC113382	134957	STXBP5	no errors	hORFeome V8.1 Collection	134957	STXBP5	NM_139244.3	Full Length 99-100% match
ccsbBroadEn_09558	ccsbBroad304_09558		BC015732	135114	HINT3	1 synonymous error	hORFeome V8.1 Collection	135114	HINT3	NM_138571.4	Full Length 99-100% match
ccsbBroadEn_09559	Failed LR reaction		BC018085	135154	C6orf57	no errors	hORFeome V8.1 Collection	135154	C6orf57	NM_145267.2	Full Length 99-100% match
ccsbBroadEn_09560	ccsbBroad304_09560		BC103694	135250	RAET1E	no errors	hORFeome V8.1 Collection	135250	RAET1E	NM_139165.1	Full Length 99-100% match
ccsbBroadEn_09561	ccsbBroad304_09561		BC021715	135295	SRSF12	no errors	hORFeome V8.1 Collection	135295	SRSF12	NM_080743.4	Full Length 99-100% match
ccsbBroadEn_09562	ccsbBroad304_09562	454	BC101699	135458	HUS1B	no errors	hORFeome V8.1 Collection	135458	HUS1B	NM_148959.3	Full Length 99-100% match
ccsbBroadEn_09563	ccsbBroad304_09563		BC030643	135886	WBSCR28	no errors	hORFeome V8.1 Collection	135886	WBSCR28	NM_182504.3	Full Length 99-100% match
ccsbBroadEn_09564	ccsbBroad304_09564	454	BC112154	135892	TRIM50	no errors	hORFeome V8.1 Collection	135892	TRIM50	NM_178125.2	Full Length 99-100% match
ccsbBroadEn_09565	ccsbBroad304_09565	454	BC136812	135948	OR2F2	no errors	hORFeome V8.1 Collection	135948	OR2F2	NM_001004685.1	Full Length 99-100% match
ccsbBroadEn_09566	ccsbBroad304_09566		BC036796	136306	SVOPL	no errors	hORFeome V8.1 Collection	136306	SVOPL	NM_174959.2	Full Length 99-100% match
ccsbBroadEn_09567	ccsbBroad304_09567	454	BC035384	136541	TRYX3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	136541	TRYX3	NM_001001317.2	Full Length 99-100% match
ccsbBroadEn_09568	ccsbBroad304_09568		BC043269	136895	C7orf31	no errors	hORFeome V8.1 Collection	136895	C7orf31	NM_138811.3	Full Length 99-100% match
ccsbBroadEn_09569	ccsbBroad304_09569		BC060879	136895	C7orf31	no errors	hORFeome V8.1 Collection	136895	C7orf31	NM_138811.3	Full Length 99-100% match
ccsbBroadEn_09570	ccsbBroad304_09570		BC130515	137209	ZNF572	no errors	hORFeome V8.1 Collection	137209	ZNF572	NM_152412.2	Full Length 99-100% match
ccsbBroadEn_09571	ccsbBroad304_09571	454	BC029504	137362	GOT1L1	no errors	hORFeome V8.1 Collection	137362	GOT1L1	NM_152413.2	Full Length 99-100% match
ccsbBroadEn_09572	ccsbBroad304_09572		BC119019	137797	LYPD2	no errors	hORFeome V8.1 Collection	137797	LYPD2	NM_205545.1	Full Length 99-100% match
ccsbBroadEn_09573	ccsbBroad304_09573		BC113645	137886	UBXN2B	no errors	hORFeome V8.1 Collection	137886	UBXN2B	NM_001077619.1	Full Length 99-100% match
ccsbBroadEn_09574	ccsbBroad304_09574		BC013036	138065	RNF183	no errors	hORFeome V8.1 Collection	138065	RNF183	NM_145051.3	Full Length 99-100% match
ccsbBroadEn_09575	ccsbBroad304_09575	454	BC067120	138639	PTPDC1	no errors	hORFeome V8.1 Collection	138639	PTPDC1	NM_177995.1	Full Length 99-100% match
ccsbBroadEn_09576	ccsbBroad304_09576		BC040986	139065	SLITRK4	1 synonymous error	hORFeome V8.1 Collection	139065	SLITRK4	NM_173078.3; NM_001184749.1; NM_001184750.1	Full Length 99-100% match
ccsbBroadEn_09577	ccsbBroad304_09577	454	BC062750	139067	SPANXN3	no errors	hORFeome V8.1 Collection	139067	SPANXN3	NM_001009609.2	Full Length 99-100% match
ccsbBroadEn_09578	ccsbBroad304_09578		BC040301	139135	PASD1	no errors	hORFeome V8.1 Collection	139135	PASD1	NM_173493.2	Full Length 99-100% match
ccsbBroadEn_09579	ccsbBroad304_09579		BC035674	139170	DCAF12L1	no errors	hORFeome V8.1 Collection	139170	DCAF12L1	NM_178470.4	Full Length 99-100% match
ccsbBroadEn_09580	ccsbBroad304_09580		BC033510	139212	CXorf41	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	139212	CXorf41	NM_173494.1; NM_001169154.1	Full Length 99-100% match
ccsbBroadEn_09581	ccsbBroad304_09581	454	BC017665,BC057847	139231	FAM199X	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	139231	FAM199X	NM_207318.2	Full Length 99-100% match
ccsbBroadEn_09582	Failed LR reaction		BC035015	139341	FUNDC1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	139341	FUNDC1	NM_173794.3	Full Length 99-100% match
ccsbBroadEn_09583	ccsbBroad304_09583		BC015116	139596	UPRT	no errors	hORFeome V8.1 Collection	139596	UPRT	NM_145052.3	Full Length 99-100% match
ccsbBroadEn_09584	ccsbBroad304_09584		BC033855	140290	TCP10L	no errors	hORFeome V8.1 Collection	140290	TCP10L	NM_144659.5	Full Length 99-100% match
ccsbBroadEn_09585	ccsbBroad304_09585		BC001719	140459	ASB6	no errors	hORFeome V8.1 Collection	140459	ASB6	NM_177999.1	Full Length 99-100% match
ccsbBroadEn_09586	ccsbBroad304_09586		BC065913	140459	ASB6	no errors	hORFeome V8.1 Collection	140459	ASB6	NM_017873.2 NM_002475.4; NM_001199629.1	Full Length 99-100% match
ccsbBroadEn_09587	ccsbBroad304_09587		BC014400	140465	MYL6B	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	140465	MYL6B	NM_152426.3	Full Length 99-100% match
ccsbBroadEn_09588	ccsbBroad304_09588		BC017022	140564	APOBEC3D	no errors	hORFeome V8.1 Collection	140564	APOBEC3D	NM_080389.2; NM_001040702.1	Full Length 99-100% match
ccsbBroadEn_09589	Failed LR reaction		BC100849	140596	DEFB104A	no errors	hORFeome V8.1 Collection	140596; 503618	DEFB104A; DEFB104B	NM_020828.1	Full Length 99-100% match
ccsbBroadEn_09590	ccsbBroad304_09590		BC127002	140612	ZFP28	no errors	hORFeome V8.1 Collection	140612	ZFP28	NM_153269.1	Full Length 99-100% match
ccsbBroadEn_09591	ccsbBroad304_09591		BC134417	140680	C20orf96	no errors	hORFeome V8.1 Collection	140680	C20orf96	NM_080618.2	Full Length 99-100% match
ccsbBroadEn_09592	ccsbBroad304_09592		BC130486	140690	CTCF	no errors	hORFeome V8.1 Collection	140690	CTCF	NM_213631.1	Full Length 99-100% match
ccsbBroadEn_09593	ccsbBroad304_09593		BC057767	140699	C20orf132	no errors	hORFeome V8.1 Collection	140699	C20orf132	NM_080675.3	Full Length 99-100% match
ccsbBroadEn_09594	ccsbBroad304_09594	454	BC026118,BC029528	140732	SUN5	1 synonymous error	hORFeome V8.1 Collection	140732	SUN5	NM_144775.2	Full Length 99-100% match
ccsbBroadEn_09595	ccsbBroad304_09595	454	BC142680	140775	SMCR8	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	140775	SMCR8	NM_080746.2	Full Length 99-100% match
ccsbBroadEn_09596	ccsbBroad304_09596		BC014310,BC066312	140801	RPL10L	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	140801	RPL10L	NM_080747.2; NM_001146225.1	Full Length 99-100% match
ccsbBroadEn_09597	ccsbBroad304_09597		BC113686	140807	KRT72	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	140807	KRT72	NM_178477.4; NM_001014977.3	Full Length 99-100% match
ccsbBroadEn_09598	ccsbBroad304_09598	454	BC054871,BC062735	140836	BANF2	no errors	hORFeome V8.1 Collection	140836	BANF2	NM_139074.2	Full Length 99-100% match
ccsbBroadEn_09599	ccsbBroad304_09599		BC110085	140850	DEFB127	no errors	hORFeome V8.1 Collection	140850	DEFB127	NM_130794.1	Full Length 99-100% match
ccsbBroadEn_09600	ccsbBroad304_09600		BC121080	140880	CST11	no errors	hORFeome V8.1 Collection	140880	CST11	NM_080831.3	Full Length 99-100% match
ccsbBroadEn_09601	ccsbBroad304_09601		BC070359	140881	DEFB129	no errors	hORFeome V8.1 Collection	140881	DEFB129	NM_173496.3	Full Length 99-100% match
ccsbBroadEn_09602	ccsbBroad304_09602	454	BC038105	143098	MPP7	1 synonymous error	hORFeome V8.1 Collection	143098	MPP7	NM_001005161.3	Full Length 99-100% match
ccsbBroadEn_09603	ccsbBroad304_09603	454	BC140928	143496	OR52B4	no errors	hORFeome V8.1 Collection	143496	OR52B4	NM_001005170.2	Full Length 99-100% match
ccsbBroadEn_09604	ccsbBroad304_09604	454	BC136921	143502	OR52I2	no errors	hORFeome V8.1 Collection	143502	OR52I2	NM_145650.3	Full Length 99-100% match
ccsbBroadEn_09605	ccsbBroad304_09605		BC058007	143662	MUC15	no errors	hORFeome V8.1 Collection	143662	MUC15	NM_152431.2	Full Length 99-100% match
ccsbBroadEn_09606	ccsbBroad304_09606		BC031060	143689	PIWIL4	no errors	hORFeome V8.1 Collection	143689	PIWIL4	NM_153705.4	Full Length 99-100% match
ccsbBroadEn_09607	ccsbBroad304_09607	454	BC036526	143888	KDEL2	no errors	hORFeome V8.1 Collection	143888	KDEL2	NM_153347.1	Full Length 99-100% match
ccsbBroadEn_09608	ccsbBroad304_09608		BC035692	144110	TMEM86A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	144110	TMEM86A	NM_152435.2	



ccsbBroadEn_09611	ccsbBroad304_09611	454	BC136366	144455	E2F7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	144455	E2F7	NM_203394.2	Full Length 99-100% match
ccsbBroadEn_09612	ccsbBroad304_09612		BC065180	144501	KRT80	no errors	hORFeome V8.1 Collection	144501	KRT80	NM_001081492.1	Full Length 99-100% match
ccsbBroadEn_09613	ccsbBroad304_09613		BC038836	144608	C12orf60	no errors	hORFeome V8.1 Collection	144608	C12orf60	NM_175874.3	Full Length 99-100% match
ccsbBroadEn_09614	ccsbBroad304_09614		BC028132	144699	FBXL14	no errors	hORFeome V8.1 Collection	144699	FBXL14	NM_152441.2	Full Length 99-100% match
ccsbBroadEn_09615	ccsbBroad304_09615		BC035749	144811	C13orf31	no errors	hORFeome V8.1 Collection	144811	C13orf31	NM_001128303.1;	Full Length 99-100% match
ccsbBroadEn_09616	ccsbBroad304_09616		BC025724	145226	RDH12	no errors	hORFeome V8.1 Collection	145226	RDH12	NM_152443.2	Full Length 99-100% match
ccsbBroadEn_09617	ccsbBroad304_09617	454	BC068989	145376	C14orf50	no errors	hORFeome V8.1 Collection	145376	C14orf50	NM_172365.1	Full Length 99-100% match
ccsbBroadEn_09618	ccsbBroad304_09618		BC110378	145389	SLC38A6	no errors	hORFeome V8.1 Collection	145389	SLC38A6	NM_153811.2	Full Length 99-100% match
ccsbBroadEn_09619	ccsbBroad304_09619	454	BC146861	145407	C14orf37	no errors	hORFeome V8.1 Collection	145407	C14orf37	NM_001001872.2	Full Length 99-100% match
ccsbBroadEn_09620	ccsbBroad304_09620		BC107142	145447	ABHD12B	no errors	hORFeome V8.1 Collection	145447	ABHD12B	NM_181814.1	Full Length 99-100% match
ccsbBroadEn_09621	ccsbBroad304_09621		BC059364	145482	PTGR2	no errors	hORFeome V8.1 Collection	145482	PTGR2	NM_152444.2; NM_001146154.1;	Full Length 99-100% match
ccsbBroadEn_09622	ccsbBroad304_09622	454	BC053909	145483	FAM161B	no errors	hORFeome V8.1 Collection	145483	FAM161B	NM_152445.1	Full Length 99-100% match
ccsbBroadEn_09623	ccsbBroad304_09623		BC101020	145501	ISM2	no errors	hORFeome V8.1 Collection	145501	ISM2	NM_199296.2	Full Length 99-100% match
ccsbBroadEn_09624	ccsbBroad304_09624	454	BC066640	146059	CDAN1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	146059	CDAN1	NM_138477.2	Full Length 99-100% match
ccsbBroadEn_09625	ccsbBroad304_09625		BC129993	146183	OTOA	no errors	hORFeome V8.1 Collection	146183	OTOA	NM_144672.3	Full Length 99-100% match
ccsbBroadEn_09626	ccsbBroad304_09626	454	BC036680	146330	FBXL16	no errors	hORFeome V8.1 Collection	146330	FBXL16	NM_153350.3	Full Length 99-100% match
ccsbBroadEn_09627	ccsbBroad304_09627		BC128602	146439	CCDC64B	no errors	hORFeome V8.1 Collection	146439	CCDC64B	NM_001103175.1	Full Length 99-100% match
ccsbBroadEn_09628	ccsbBroad304_09628		BC020827	146456	TMED6	no errors	hORFeome V8.1 Collection	146456	TMED6	NM_144676.3	Full Length 99-100% match
ccsbBroadEn_09629	ccsbBroad304_09629		BC033681	146556	C16orf89	no errors	hORFeome V8.1 Collection	146556	C16orf89	NM_001098514.1	Full Length 99-100% match
ccsbBroadEn_09630	ccsbBroad304_09630		BC035024	146562	C16orf71	no errors	hORFeome V8.1 Collection	146562	C16orf71	NM_139170.2	Full Length 99-100% match
ccsbBroadEn_09631	ccsbBroad304_09631	454	BC064483	146705	C17orf56	no errors	hORFeome V8.1 Collection	146705	C17orf56	NM_144679.2	Full Length 99-100% match
ccsbBroadEn_09632	ccsbBroad304_09632		BC128608	146760	RTN4RL1	no errors	hORFeome V8.1 Collection	146760	RTN4RL1	NM_178568.2	Full Length 99-100% match
ccsbBroadEn_09633	ccsbBroad304_09633	454	BC101778	146779	EFCAB3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	146779	EFCAB3	NM_173503.3	Full Length 99-100% match
ccsbBroadEn_09634	ccsbBroad304_09634	454	BC146859	146822	CDRT15	no errors	hORFeome V8.1 Collection	146822	CDRT15	NM_001007530.1	Full Length 99-100% match
ccsbBroadEn_09635	ccsbBroad304_09635		BC025392	146845	WDR16	no errors	hORFeome V8.1 Collection	146845	WDR16	NM_145054.4	Full Length 99-100% match
ccsbBroadEn_09636	ccsbBroad304_09636	454	BC112010	146852	ODF4	no errors	hORFeome V8.1 Collection	146852	ODF4	NM_153007.4	Full Length 99-100% match
ccsbBroadEn_09637	ccsbBroad304_09637		BC101063	146862	UNC45B	no errors	hORFeome V8.1 Collection	146862	UNC45B	NM_001033576.1	Full Length 99-100% match
ccsbBroadEn_09638	ccsbBroad304_09638		BC025395	146894	CD300LG	no errors	hORFeome V8.1 Collection	146894	CD300LG	NM_145273.3	Full Length 99-100% match
ccsbBroadEn_09639	ccsbBroad304_09639	454	BC039247	146923	RUNDC1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	146923	RUNDC1	NM_173079.2	Full Length 99-100% match
ccsbBroadEn_09640	ccsbBroad304_09640		BC016470	146956	EME1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	146956	EME1	NM_001166131.1	Full Length 99-100% match
ccsbBroadEn_09641	ccsbBroad304_09641	454	BC110296	147138	TMC8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	147138	TMC8	NM_152468.4	Full Length 99-100% match
ccsbBroadEn_09642	Failed LR reaction		BC128591	147166	TRIM16L	no errors	hORFeome V8.1 Collection	147166	TRIM16L	NM_001037330.1	Full Length 99-100% match
ccsbBroadEn_09643	ccsbBroad304_09643		BC069287	147199	SCGB1C1	no errors	hORFeome V8.1 Collection	147199; 653486	SCGB1C1; LOC653486	NM_001097610.2	Full Length 99-100% match
ccsbBroadEn_09644	ccsbBroad304_09644		BC016149	147339	C18orf25	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	147339	C18orf25	NM_145055.3	Full Length 99-100% match
ccsbBroadEn_09645	ccsbBroad304_09645		BC103999	147407	MCART2	no errors	hORFeome V8.1 Collection	147407	MCART2	NM_001034172.2	Full Length 99-100% match
ccsbBroadEn_09646	ccsbBroad304_09646	454	BC132907,BC132909	147409	DSG4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	147409	DSG4	NM_177986.3	Full Length 99-100% match
ccsbBroadEn_09647	ccsbBroad304_09647		BC030622	147463	ANKRD29	1 synonymous error	hORFeome V8.1 Collection	147463	ANKRD29	NM_173505.2	Full Length 99-100% match
ccsbBroadEn_09648	ccsbBroad304_09648		BC030788	147694	ZNF548	no errors	hORFeome V8.1 Collection	147694	ZNF548	NM_152909.3	Full Length 99-100% match
ccsbBroadEn_09649	ccsbBroad304_09649		BC062998,BC126418	147700	KLC3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	147700	KLC3	NM_177417.2	Full Length 99-100% match
ccsbBroadEn_09650	ccsbBroad304_09650		BC029811	147872	CCDC155	no errors	hORFeome V8.1 Collection	147872	CCDC155	NM_144688.4	Full Length 99-100% match
ccsbBroadEn_09651	ccsbBroad304_09651		BC117258	147965	FAM98C	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	147965	FAM98C	NM_174905.3	Full Length 99-100% match
ccsbBroadEn_09652	ccsbBroad304_09652	454	BC029539	148014	TTC9B	no errors	hORFeome V8.1 Collection	148014	TTC9B	NM_152479.5	Full Length 99-100% match
ccsbBroadEn_09653	ccsbBroad304_09653	454	BC017592	148066	ZNRF4	no errors	hORFeome V8.1 Collection	148066	ZNRF4	NM_181710.3	Full Length 99-100% match
ccsbBroadEn_09654	ccsbBroad304_09654		BC117457,BC117459	148109	FAM187B	no errors	hORFeome V8.1 Collection	148109	FAM187B	NM_152481.1	Full Length 99-100% match
ccsbBroadEn_09655	ccsbBroad304_09655		BC110576	148198	ZNF98	no errors	hORFeome V8.1 Collection	57615	ZNF98	NM_020855.2	Full Length 99-100% match
ccsbBroadEn_09656	ccsbBroad304_09656		BC022022	148254	ZNF555	no errors	hORFeome V8.1 Collection	148254	ZNF555	NM_152791.4	Full Length 99-100% match
ccsbBroadEn_09657	ccsbBroad304_09657		BC038516	148479	PHF13	no errors	hORFeome V8.1 Collection	148479	PHF13	NM_153812.2	Full Length 99-100% match
ccsbBroadEn_09658	ccsbBroad304_09658	454	BC036549	148808	MFSD4	1 synonymous error	hORFeome V8.1 Collection	148808	MFSD4	NM_181644.4	Full Length 99-100% match
ccsbBroadEn_09659	ccsbBroad304_09659	454	BC112112	148870	CCDC27	no errors	hORFeome V8.1 Collection	148870	CCDC27	NM_152492.2	Full Length 99-100% match
ccsbBroadEn_09660	ccsbBroad304_09660		BC026078	148932	MOBK12C	no errors	hORFeome V8.1 Collection	148932	MOBK12C	NM_201403.2	Full Length 99-100% match
ccsbBroadEn_09661	ccsbBroad304_09661	454	BC114214	149297	FAM78B	no errors	hORFeome V8.1 Collection	149297	FAM78B	NM_001017961.3	Full Length 99-100% match
ccsbBroadEn_09662	Failed LR reaction		BC028713	149420	PDIK1L	no errors	hORFeome V8.1 Collection	149420	PDIK1L	NM_152835.3	Full Length 99-100% match
ccsbBroadEn_09663	ccsbBroad304_09663		BC117280,BC117306	149465	WDR65	no errors	hORFeome V8.1 Collection	149465	WDR65	NM_152498.3; NM_001167965.1;	Full Length 99-100% match
ccsbBroadEn_09664	ccsbBroad304_09664		BC035007	149647	FAM71A	no errors	hORFeome V8.1 Collection	149647	FAM71A	NM_153606.3	Full Length 99-100% match
ccsbBroadEn_09665	ccsbBroad304_09665		BC038504	150094	SIK1	no errors	hORFeome V8.1 Collection	150094	SIK1	NM_173354.3	Full Length 99-100% match
ccsbBroadEn_09666	ccsbBroad304_09666		BC132712	150159	NHEDC1	1 synonymous error	hORFeome V8.1 Collection	150159	NHEDC1	NM_139173.3	Full Length 99-100% match
ccsbBroadEn_09667	ccsbBroad304_09667		BC100811	150160	CCT8L2	no errors	hORFeome V8.1 Collection	150160	CCT8L2	NM_014406.4	Full Length 99-100% match
ccsbBroadEn_09668	ccsbBroad304_09668		BC036819	150465	TTL	1 synonymous error	hORFeome V8.1 Collection	150465	TTL	NM_153712.4	Full Length 99-100% match
ccsbBroadEn_09669	ccsbBroad304_09669	454	BC036217	150468	CKAP2L	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	150468	CKAP2L	NM_152515.3	Full Length 99-100% match
ccsbBroadEn_09670	Failed LR reaction		BC120991	150472	CBWD2	no errors	hORFeome V8.1 Collection	150472	CBWD2	NM_172003.3	Full Length 99-100% match
ccsbBroadEn_09671	ccsbBroad304_09671		BC126191	150572	SMYD1	no errors	hORFeome V8.1 Collection	150572	SMYD1	NM_198274.3	Full Length 99-100% match
ccsbBroadEn_09672	ccsbBroad304_09672		BC021264	150590	C2orf15	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	150590	C2orf15	NM_144706.2	Full Length 99-100% match
ccsbBroadEn_09673	ccsbBroad304_09673		BC022046	150684	COMMD1	no errors	hORFeome V8.1 Collection	150684	COMMD1	NM_152516.2	Full Length 99-100% match
ccsbBroadEn_09674	ccsbBroad304_09674		BC033795	150737	TTC30B	no errors	hORFeome V8.1 Collection	150737	TTC30B	NM_152517.2	Full Length 99-100% match
ccsbBroadEn_09675	ccsbBroad304_09675	454	BC101706	150962	PUS10	early stop codon	hORFeome V8.1 Mutant Subcollection	150962	PUS10	NM_144709.2	Full Length 99-100% match
ccsbBroadEn_09676	ccsbBroad304_09676		BC031094	151112	ZSWIM2	no errors	hORFeome V8.1 Collection	151112	ZSWIM2	NM_182521.2	Full Length 99-100% match
ccsbBroadEn_09677	ccsbBroad304_09677		BC038422	151126	ZNF385B	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	151126	ZNF385B	NM_001113398.1	Full Length 99-100% match
ccsbBroadEn_09678	Failed LR reaction		BC033720	151194	FAM119A	no errors	hORFeome V8.1 Collection	151194	FAM119A	NM_145280.4; NM_001127395.1	Full Length 99-100% match
ccsbBroadEn_09679	ccsbBroad304_09679		BC010437	151230	KLHL23	no errors	hORFeome V8.1 Collection	151230; 100526832	KLHL23; PHOSPHO2-	NM_144711.5; NM_001199290.1	Full Length 99-100% match
ccsbBroadEn_09680	ccsbBroad304_09680		BC030659	151254	ALS2CR11	no errors	hORFeome V8.1 Collection	151254	ALS2CR11	NM_152525.5	Full Length 99-100% match
ccsbBroadEn_09681	ccsbBroad304_09681		BC107091	151888	BTLA	no errors	hORFeome V8.1 Collection	151888	BTLA	NM_001085357.1	Full Length 99-100% match
ccsbBroadEn_09682	ccsbBroad304_09682		BC041390	152189	CMTM8	no errors	hORFeome V8.1 Collection	152189	CMTM8	NM_178868.3	Full Length 99-100% match
ccsbBroadEn_09683	ccsbBroad304_09683	454	BC036050	152206	CCDC13	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	152206	CCDC13	NM_144719.3	Full Length 99-100% match
ccsbBroadEn_09684	ccsbBroad304_09684		BC034411	152404	IGSF11	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	152404	IGSF11	NM_152538.2	Full Length 99-100% match
ccsbBroadEn_09685	ccsbBroad304_09685		BC130475	152405	C3orf30	no errors	hORFeome V8.1 Collection	152405	C3orf30	NM_152539.2	Full Length 99-100% match
ccsbBroadEn_09686	ccsbBroad304_09686	454	BC067881	152519	NIPAL1	1 synonymous error	hORFeome V8.1 Collection	152519	NIPAL1	NM_207330.1	Full Length 99-100% match
ccsbBroadEn_09687	ccsbBroad304_09687		BC127690	152573	SHISA3	no errors	hORFeome V8.1 Collection	152573	SHISA3	NM_001080505.1	Full Length 99-100% match
ccsbBroadEn_09688	ccsbBroad304_09688		BC032453	152579	SCFD2	no errors	hORFeome V8.1 Collection	152579	SCFD2	NM_152540.3	Full Length 99-100% match
ccsbBroadEn_09689	ccsbBroad304_09689		BC036110,BC043151	152687	ZNF595	no errors	hORFeome V8.1 Collection	152687	ZNF595	NM_182524.2	Full Length 99-100% match
ccsbBroadEn_09690	ccsbBroad304_09690		BC047075	152789	JAKMIP1	no errors	hORFeome V8.1 Collection	152789	JAKMIP1	NM_144720.3	Full Length 99-100% match
ccsbBroadEn_09691	ccsbBroad304_09691		BC117342	152816	C4orf26	no errors	hORFeome V8.1 Collection	152816	C4orf26	NM_178497.2	Full Length 99-100% match
ccsbBroadEn_09692	ccsbBroad304_09692		BC037552	152926	PPM1K	no errors	hORFeome V8.1 Collection	152926	PPM1K	NM_152542.3	Full Length 99-100% match
ccsbBroadEn_09693	ccsbBroad304_09693		BC101362	153129	SLC38A9	no errors					



ccsbBroadEn_09696	ccsbBroad304_09696		BC037287	153396	TMEM161B	no errors	hORFeome V8.1 Collection	153396	TMEM161B	NM_153354.3	Full Length 99-100% match
ccsbBroadEn_09697	ccsbBroad304_09697	454	BC033689	153562	MARVELD2	no errors	hORFeome V8.1 Collection	153562	MARVELD2	NM_001038603.2	Full Length 99-100% match
ccsbBroadEn_09698	ccsbBroad304_09698		BC057775	153657	TTC23L	no errors	hORFeome V8.1 Collection	153657	TTC23L	NM_144725.3	Full Length 99-100% match
ccsbBroadEn_09699	ccsbBroad304_09699		BC031242	153733	CCDC112	no errors	hORFeome V8.1 Collection	153733	CCDC112	NM_152549.2	Full Length 99-100% match
ccsbBroadEn_09700	ccsbBroad304_09700		BC022035,BC025397	153745	FAM71B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	153745	FAM71B	NM_130899.2	Full Length 99-100% match
ccsbBroadEn_09701	ccsbBroad304_09701		BC025998	153745	FAM71B	early stop codon	hORFeome V8.1 Mutant Subcollection	153745	FAM71B	NM_130899.2	Full Length 99-100% match
ccsbBroadEn_09702	ccsbBroad304_09702		BC125106	153769	SH3RF2	no errors	hORFeome V8.1 Collection	153769	SH3RF2	NM_152550.3	Full Length 99-100% match
ccsbBroadEn_09703	ccsbBroad304_09703		BC042684	153830	RNF145	no errors	hORFeome V8.1 Collection	153830	RNF145	NM_001199383.1	Full Length 99-100% match
ccsbBroadEn_09704	ccsbBroad304_09704		BC114630	154007	SNRNP48	no errors	hORFeome V8.1 Collection	154007	SNRNP48	NM_152551.3	Full Length 99-100% match
ccsbBroadEn_09705	ccsbBroad304_09705		BC060761	154043	CNKSR3	no errors	hORFeome V8.1 Collection	154043	CNKSR3	NM_173515.2	Full Length 99-100% match
ccsbBroadEn_09706	ccsbBroad304_09706		BC029851	154075	SAMD3	no errors	hORFeome V8.1 Collection	154075	SAMD3	NM_152552.2	Full Length 99-100% match
ccsbBroadEn_09707	ccsbBroad304_09707		BC070149	154091	SLC2A12	no errors	hORFeome V8.1 Collection	154091	SLC2A12	NM_145176.2	Full Length 99-100% match
ccsbBroadEn_09708	ccsbBroad304_09708		BC112246	154197	PNLDC1	no errors	hORFeome V8.1 Collection	154197	PNLDC1	NM_173516.1	Full Length 99-100% match
ccsbBroadEn_09709	ccsbBroad304_09709		BC035083	154313	C6orf165	no errors	hORFeome V8.1 Collection	154313	C6orf165	NM_001031743.2	Full Length 99-100% match
ccsbBroadEn_09710	ccsbBroad304_09710		BC104008	154386	C6orf195	no errors	hORFeome V8.1 Collection	154386	C6orf195	NM_152554.2	Full Length 99-100% match
ccsbBroadEn_09711	ccsbBroad304_09711	454	BC104007	154386	C6orf195	no errors	hORFeome V8.1 Collection	154386	C6orf195	NM_152554.2	Full Length 99-100% match
ccsbBroadEn_09712	ccsbBroad304_09712		BC107037	155038	GIMAP8	no errors	hORFeome V8.1 Collection	155038	GIMAP8	NM_175571.2	Full Length 99-100% match
ccsbBroadEn_09713	ccsbBroad304_09713	454	BC102026	157574	FBXO16	no errors	hORFeome V8.1 Collection	157574	FBXO16	NM_172366.2	Full Length 99-100% match
ccsbBroadEn_09714	ccsbBroad304_09714		BC052957	157638	FAM84B	no errors	hORFeome V8.1 Collection	157638	FAM84B	NM_174911.4	Full Length 99-100% match
ccsbBroadEn_09715	ccsbBroad304_09715		BC125165	157724	SLC7A13	no errors	hORFeome V8.1 Collection	157724	SLC7A13	NM_138817.2	Full Length 99-100% match
ccsbBroadEn_09716	ccsbBroad304_09716	454	BC137514	158038	LINGO2	no errors	hORFeome V8.1 Collection	158038	LINGO2	NM_152570.1	Full Length 99-100% match
ccsbBroadEn_09717	ccsbBroad304_09717		BC022521	158046	NXNL2	no errors	hORFeome V8.1 Collection	158046	NXNL2	NM_145283.2	Full Length 99-100% match
ccsbBroadEn_09718	ccsbBroad304_09718		BC117152,BC117154	158055	C9orf163	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	158055	C9orf163	NM_152571.2	Full Length 99-100% match
ccsbBroadEn_09719	ccsbBroad304_09719		BC062746	158062	LCN6	no errors	hORFeome V8.1 Collection	158062	LCN6	NM_198946.2	Full Length 99-100% match
ccsbBroadEn_09720	ccsbBroad304_09720		BC031281	158248	TTC16	no errors	hORFeome V8.1 Collection	158248	TTC16	NM_144965.1	Full Length 99-100% match
ccsbBroadEn_09721	ccsbBroad304_09721		BC033489	158297	FAM154A	no errors	hORFeome V8.1 Collection	158297	FAM154A	NM_153707.2	Full Length 99-100% match
ccsbBroadEn_09722	ccsbBroad304_09722	454	BC137073	158431	ZNF782	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	158431	ZNF782	NM_001001662.1	Full Length 99-100% match
ccsbBroadEn_09723	ccsbBroad304_09723		BC126190	158506	ZNF645	no errors	hORFeome V8.1 Collection	158506	ZNF645	NM_152577.2	Full Length 99-100% match
ccsbBroadEn_09724	ccsbBroad304_09724		BC059947	158511	CSAG1	no errors	hORFeome V8.1 Collection	158511	CSAG1	NM_153478.1;	Full Length 99-100% match
ccsbBroadEn_09725	ccsbBroad304_09725		BC073922	158584	FAAH2	no errors	hORFeome V8.1 Collection	158584	FAAH2	NM_001102576.1	Full Length 99-100% match
ccsbBroadEn_09726	ccsbBroad304_09726		BC121816	158983	H2BFWT	no errors	hORFeome V8.1 Collection	158983	H2BFWT	NM_174912.3	Full Length 99-100% match
ccsbBroadEn_09727	ccsbBroad304_09727		BC025334	159013	CXorf38	no errors	hORFeome V8.1 Collection	159013	CXorf38	NM_001002916.3	Full Length 99-100% match
ccsbBroadEn_09728	ccsbBroad304_09728		BC059411	160140	C11orf65	no errors	hORFeome V8.1 Collection	160140	C11orf65	NM_144970.2	Full Length 99-100% match
ccsbBroadEn_09729	ccsbBroad304_09729		BC031612	160298	C11orf42	no errors	hORFeome V8.1 Collection	160298	C11orf42	NM_152587.3	Full Length 99-100% match
ccsbBroadEn_09730	ccsbBroad304_09730		BC126289,BC126291	160364	CLEC12A	no errors	hORFeome V8.1 Collection	160364	CLEC12A	NM_173525.2	Full Length 99-100% match
ccsbBroadEn_09731	ccsbBroad304_09731		BC038413	160419	C12orf50	no errors	hORFeome V8.1 Collection	160419	C12orf50	NM_138337.5	Full Length 99-100% match
ccsbBroadEn_09732	ccsbBroad304_09732		BC110492	160728	SLC5A8	no errors	hORFeome V8.1 Collection	160728	SLC5A8	NM_152589.1	Full Length 99-100% match
ccsbBroadEn_09733	ccsbBroad304_09733		BC040553	160777	CCDC60	no errors	hORFeome V8.1 Collection	160777	CCDC60	NM_145913.3	Full Length 99-100% match
ccsbBroadEn_09734	ccsbBroad304_09734		BC025760	161003	STOML3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	161003	STOML3	NM_178499.3	Full Length 99-100% match
ccsbBroadEn_09735	ccsbBroad304_09735	454	BC104940	161145	TMEM229B	1 synonymous error	hORFeome V8.1 Collection	161145	TMEM229B	NM_145286.2	Full Length 99-100% match
ccsbBroadEn_09736	ccsbBroad304_09736		BC062564	161582	DYX1C1	no errors	hORFeome V8.1 Collection	161582	DYX1C1	NM_182526.2	Full Length 99-100% match
ccsbBroadEn_09737	ccsbBroad304_09737	454	BC137480	161742	SPRED1	no errors	hORFeome V8.1 Collection	161742	SPRED1	NM_001033560.1	Full Length 99-100% match
ccsbBroadEn_09738	ccsbBroad304_09738		BC045191	161835	FSIP1	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	161742	FSIP1	NM_152594.2	Full Length 99-100% match
ccsbBroadEn_09739	ccsbBroad304_09739		BC033491	161931	ADAD2	no errors	hORFeome V8.1 Collection	161835	ADAD2	NM_152597.4	Full Length 99-100% match
ccsbBroadEn_09740	ccsbBroad304_09740		BC040487	162387	MFSD6L	no errors	hORFeome V8.1 Collection	161931	ADAD2	NM_001145400.1	Full Length 99-100% match
ccsbBroadEn_09741	ccsbBroad304_09741	454	BC064507	162461	TMEM92	no errors	hORFeome V8.1 Collection	162387	MFSD6L	NM_152599.3	Full Length 99-100% match
ccsbBroadEn_09742	ccsbBroad304_09742	454	BC093860	162515	SLC16A11	no errors	hORFeome V8.1 Collection	162387	MFSD6L	NM_153229.2;	Full Length 99-100% match
ccsbBroadEn_09743	ccsbBroad304_09743		BC034782	162517	FBXO39	early stop codon	hORFeome V8.1 Mutant Subcollection	162461	TMEM92	NM_001168215.1	Full Length 99-100% match
ccsbBroadEn_09744	ccsbBroad304_09744	454	BC025401	162540	IMP5	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	162515	SLC16A11	NM_153357.1	Full Length 99-100% match
ccsbBroadEn_09745	ccsbBroad304_09745		BC024227	162655	ZNF519	no errors	hORFeome V8.1 Collection	162517	FBXO39	NM_153230.2	Full Length 99-100% match
ccsbBroadEn_09746	ccsbBroad304_09746		BC039903	162963	ZNF610	no errors	hORFeome V8.1 Collection	162540	IMP5	NM_175882.2	Full Length 99-100% match
ccsbBroadEn_09747	ccsbBroad304_09747	454	BC125273	162968	ZNF497	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	162655	ZNF519	NM_145287.3	Full Length 99-100% match
ccsbBroadEn_09748	ccsbBroad304_09748		BC033849	163081	ZNF567	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	162655	ZNF519	NM_001161427.1	Full Length 99-100% match
ccsbBroadEn_09749	ccsbBroad304_09749	454	BC136697	163175	LG14	no errors	hORFeome V8.1 Collection	162963	ZNF610	NM_198458.1	Full Length 99-100% match
ccsbBroadEn_09750	ccsbBroad304_09750		BC131713	163351	GBP6	no errors	hORFeome V8.1 Collection	163081	ZNF567	NM_152603.2	Full Length 99-100% match
ccsbBroadEn_09751	ccsbBroad304_09751		CCSB53199	163404	LPPR5	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	163175	LG14	NM_139284.2	Full Length 99-100% match
ccsbBroadEn_09752	ccsbBroad304_09752		BC063877	163486	TMEM229B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	163351	GBP6	NM_198460.2	Full Length 99-100% match
ccsbBroadEn_09753	ccsbBroad304_09753	454	BC064142	163747	C1orf177	no errors	hORFeome V8.1 Collection	163404	LPPR5	NM_001037317.1	Full Length 99-100% match
ccsbBroadEn_09754	ccsbBroad304_09754	454	BC060866	163782	KANK4	no errors	hORFeome V8.1 Collection	163486	TMEM229B	NM_144977.4	Full Length 99-100% match
ccsbBroadEn_09755	ccsbBroad304_09755		BC010228	163882	CNST	no errors	hORFeome V8.1 Collection	163747	C1orf177	NM_152607.2	Full Length 99-100% match
ccsbBroadEn_09756	ccsbBroad304_09756		BC034015	164091	PAQR7	no errors	hORFeome V8.1 Collection	163782	KANK4	NM_181712.4	Full Length 99-100% match
ccsbBroadEn_09757	ccsbBroad304_09757		BC030026	164127	C1orf65	1 synonymous error	hORFeome V8.1 Collection	163882	CNST	NM_001139459.1	Full Length 99-100% match
ccsbBroadEn_09758	ccsbBroad304_09758		BC069023	164668	APOBEC3H	no errors	hORFeome V8.1 Collection	164091	PAQR7	NM_178422.5	Full Length 99-100% match
ccsbBroadEn_09759	ccsbBroad304_09759		BC022546	164684	WBP2NL	no errors	hORFeome V8.1 Collection	164127	C1orf65	NM_152610.2	Full Length 99-100% match
ccsbBroadEn_09760	ccsbBroad304_09760	454	BC036377	164781	WDR69	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	164668	APOBEC3H	NM_001166002.1	Full Length 99-100% match
ccsbBroadEn_09761	ccsbBroad304_09761		BC113701	165829	GPR156	no errors	hORFeome V8.1 Collection	164684	WBP2NL	NM_152613.2	Full Length 99-100% match
ccsbBroadEn_09762	ccsbBroad304_09762	454	BC033791	165918	RNF168	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	164781	WDR69	NM_178821.1	Full Length 99-100% match
ccsbBroadEn_09763	ccsbBroad304_09763	454	BC103895	166012	CHST13	no errors	hORFeome V8.1 Collection	165829	GPR156	NM_153002.2	Full Length 99-100% match
ccsbBroadEn_09764	ccsbBroad304_09764	454	BC055426	166379	BBS12	no errors	hORFeome V8.1 Collection	165918	RNF168	NM_152617.3	Full Length 99-100% match
ccsbBroadEn_09765	ccsbBroad304_09765		BC109087	166793	ZBTB49	no errors	hORFeome V8.1 Collection	166012	CHST13	NM_152889.1	Full Length 99-100% match
ccsbBroadEn_09766	ccsbBroad304_09766		BC036422	167359	MGC42105	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	166379	BBS12	NM_152618.2;	Full Length 99-100% match
ccsbBroadEn_09767	ccsbBroad304_09767		BC036467	167410	LIX1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	166793	ZBTB49	NM_001178007.1	Full Length 99-100% match
ccsbBroadEn_09768	ccsbBroad304_09768		BC121053	167465	ZNF366	no errors	hORFeome V8.1 Collection	167359	MGC42105	NM_145291.3	Full Length 99-100% match
ccsbBroadEn_09769	ccsbBroad304_09769		CCSB53356	167555	FAM151B	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	167410	LIX1	NM_153361.2	Full Length 99-100% match
ccsbBroadEn_09770	ccsbBroad304_09770		BC037170	167681	PRSS35	no errors	hORFeome V8.1 Collection	167465	ZNF366	NM_153234.4	Full Length 99-100% match
ccsbBroadEn_09771	ccsbBroad304_09771		BC050327	167691	LCA5	no errors	hORFeome V8.1 Collection	167555	FAM151B	NM_205548.1	Full Length 99-100% match
ccsbBroadEn_09772	ccsbBroad304_09772		BC115383	167838	TXLNB	no errors	hORFeome V8.1 Collection	167681	PRSS35	NM_153362.2;	Full Length 99-100% match
ccsbBroadEn_09773	ccsbBroad304_09773		BC026278	168090	C6orf118	no errors	hORFeome V8.1 Collection	167691	LCA5	NM_001170423.1	Full Length 99-100% match
ccsbBroadEn_09774	ccsbBroad304_09774		BC036439	168374	ZNF92	no errors	hORFeome V8.1 Collection	167838	TXLNB	NM_181714.3;	Full Length 99-100% match
ccsbBroadEn_09775	ccsbBroad304_09775		BC022021	168391	GALNTL5	no errors	hORFeome V8.1 Collection	168090	C6orf118	NM_001122769.2	Full Length 99-100% match
ccsbBroadEn_09776	ccsbBroad304_09776		BC067878	168400	DDX53	1 synonymous error	hORFeome V8.1 Collection	168374	ZNF92	NM_153235.3	Full Length 99-100% match
ccsbBroadEn_09777	ccsbBroad304_09777		BC027613	168537	GIMAP7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	168090	C6orf118	NM_144980.3	Full Length 99-100% match
ccsbBroadEn_09778	ccsbBroad304_09778		BC101352	169522	KCNV2	no errors	hORFeome V8.1 Collection	168374	ZNF92	NM_007139.2</	



ccsbBroadEn_09784	ccsbBroad304_09784	454	BC040506	170959	ZNF431	no errors	hORFeome V8.1 Collection	170959	ZNF431	NM_133473.2	Full Length 99-100% match
ccsbBroadEn_09785	ccsbBroad304_09785		BC034360	171425	CLYBL	no errors	hORFeome V8.1 Collection	171425	CLYBL	NM_206808.2	Full Length 99-100% match
ccsbBroadEn_09786	ccsbBroad304_09786		BC005382	171489	SPANXE	no errors	hORFeome V8.1 Collection	171489	SPANXE	NM_145665.1	Full Length 99-100% match
ccsbBroadEn_09787	ccsbBroad304_09787	454	BC111968	192666	KRT24	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	192666	KRT24	NM_019016.2	Full Length 99-100% match
ccsbBroadEn_09788	ccsbBroad304_09788	454	BC136879	196335	OR56B4	no errors	hORFeome V8.1 Collection	196335	OR56B4	NM_001005181.1	Full Length 99-100% match
ccsbBroadEn_09789	ccsbBroad304_09789		BC013042	196383	RILPL2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	196383	RILPL2	NM_145058.1	Full Length 99-100% match
ccsbBroadEn_09790	ccsbBroad304_09790		BC114498	196403	DTX3	no errors	hORFeome V8.1 Collection	196403	DTX3	NM_178502.2	Full Length 99-100% match
ccsbBroadEn_09791	ccsbBroad304_09791		BC010084	196483	FAM86A	no errors	hORFeome V8.1 Collection	196483	FAM86A	NM_201400.2	Full Length 99-100% match
ccsbBroadEn_09792	ccsbBroad304_09792	454	BC098410	196527	ANO6	no errors	hORFeome V8.1 Collection	196527	ANO6	NM_001025356.2	Full Length 99-100% match
ccsbBroadEn_09793	ccsbBroad304_09793	454	BC041414	196740	C10orf72	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	196740	C10orf72	NM_001031746.3	Full Length 99-100% match
ccsbBroadEn_09794	ccsbBroad304_09794	454	BC028399	197322	ACSF3	no errors	hORFeome V8.1 Collection	197322	ACSF3	NM_174917.2; NM_001127214.1	Full Length 99-100% match
ccsbBroadEn_09795	ccsbBroad304_09795		BC033308	199221	DZIP1L	no errors	hORFeome V8.1 Collection	199221	DZIP1L	NM_173543.2	Full Length 99-100% match
ccsbBroadEn_09796	ccsbBroad304_09796		BC109125	199713	NLRP7	no errors	hORFeome V8.1 Collection	199713	NLRP7	NM_001127255.1	Full Length 99-100% match
ccsbBroadEn_09797	ccsbBroad304_09797		BC035008	199720	GGN	no errors	hORFeome V8.1 Collection	199720	GGN	NM_152657.3	Full Length 99-100% match
ccsbBroadEn_09798	ccsbBroad304_09798		BC046207	199745	THAP8	no errors	hORFeome V8.1 Collection	199745	THAP8	NM_152658.2	Full Length 99-100% match
ccsbBroadEn_09799	ccsbBroad304_09799		BC021186	199746	U2AF1L4	no errors	hORFeome V8.1 Collection	199746	U2AF1L4	NM_144987.2	Full Length 99-100% match
ccsbBroadEn_09800	ccsbBroad304_09800		BC011706	199857	ALG14	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	199857	ALG14	NM_144988.3	Full Length 99-100% match
ccsbBroadEn_09801	ccsbBroad304_09801	454	BC104863	200010	SLC5A9	no errors	hORFeome V8.1 Collection	200010	SLC5A9	NM_001011547.2	Full Length 99-100% match
ccsbBroadEn_09802	ccsbBroad304_09802		BC080578	200081	TXLNA	no errors	hORFeome V8.1 Collection	200081	TXLNA	NM_175852.3	Full Length 99-100% match
ccsbBroadEn_09803	ccsbBroad304_09803		BC106885	200132	TCTEX1D1	no errors	hORFeome V8.1 Collection	200132	TCTEX1D1	NM_152665.2	Full Length 99-100% match
ccsbBroadEn_09804	ccsbBroad304_09804	454	BC053562	200186	CRTC2	no errors	hORFeome V8.1 Collection	200186	CRTC2	NM_181715.2	Full Length 99-100% match
ccsbBroadEn_09805	ccsbBroad304_09805		BC038808	200316	APOBEC3F	no errors	hORFeome V8.1 Collection	200316	APOBEC3F	NM_145298.5	Full Length 99-100% match
ccsbBroadEn_09806	ccsbBroad304_09806	454	BC032949	200407	CREG2	no errors	hORFeome V8.1 Collection	200407	CREG2	NM_153836.3	Full Length 99-100% match
ccsbBroadEn_09807	ccsbBroad304_09807		BC047439	200728	TMEM17	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	200728	TMEM17	NM_198276.2	Full Length 99-100% match
ccsbBroadEn_09808	ccsbBroad304_09808		BC073816	200810	ALG1L	no errors	hORFeome V8.1 Collection	200810	ALG1L	NM_001015050.2	Full Length 99-100% match
ccsbBroadEn_09809	ccsbBroad304_09809		BC045541	200895	DHFR1L1	no errors	hORFeome V8.1 Collection	200895	DHFR1L1	NM_001195643.1; NM_176815.4	Full Length 99-100% match
ccsbBroadEn_09810	ccsbBroad304_09810	454	BC107708	200916	RPL22L1	no errors	hORFeome V8.1 Collection	200916	RPL22L1	NM_001099645.1	Full Length 99-100% match
ccsbBroadEn_09811	ccsbBroad304_09811		BC011952	201158	FAM18B2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	201158	FAM18B2	NM_145301.2	Full Length 99-100% match
ccsbBroadEn_09812	ccsbBroad304_09812	454	BC031263	201164	PLD6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	201164	PLD6	NM_178836.3	Full Length 99-100% match
ccsbBroadEn_09813	ccsbBroad304_09813	454	BC142618	201232	SLC16A13	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	201232	SLC16A13	NM_201566.2	Full Length 99-100% match
ccsbBroadEn_09814	ccsbBroad304_09814		BC035631	201266	SLC39A11	no errors	hORFeome V8.1 Collection	201266	SLC39A11	NM_139177.3	Full Length 99-100% match
ccsbBroadEn_09815	ccsbBroad304_09815		BC038301	201299	RDM1	no errors	hORFeome V8.1 Collection	201299	RDM1	NM_001163130.1	Full Length 99-100% match
ccsbBroadEn_09816	ccsbBroad304_09816		BC127190	201299	RDM1	no errors	hORFeome V8.1 Collection	201299	RDM1	NM_145654.3	Full Length 99-100% match
ccsbBroadEn_09817	ccsbBroad304_09817		BC029579	201456	FBXO15	1 synonomous error	hORFeome V8.1 Collection	201456	FBXO15	NM_152676.2	Full Length 99-100% match
ccsbBroadEn_09818	ccsbBroad304_09818		BC040291	201627	FAM116A	no errors	hORFeome V8.1 Collection	201627	FAM116A	NM_152678.2	Full Length 99-100% match
ccsbBroadEn_09819	ccsbBroad304_09819	454	BC101288	201633	TIGIT	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	201633	TIGIT	NM_173799.3	Full Length 99-100% match
ccsbBroadEn_09820	ccsbBroad304_09820		BC037869	201798	TIGD4	no errors	hORFeome V8.1 Collection	201798	TIGD4	NM_145720.2	Full Length 99-100% match
ccsbBroadEn_09821	ccsbBroad304_09821		BC060775	201799	TMEM154	no errors	hORFeome V8.1 Collection	201799	TMEM154	NM_152680.2	Full Length 99-100% match
ccsbBroadEn_09822	ccsbBroad304_09822	454	BC047660	202151	RANBP3L	no errors	hORFeome V8.1 Collection	202151	RANBP3L	NM_145000.3	Full Length 99-100% match
ccsbBroadEn_09823	ccsbBroad304_09823		BC021666	202374	STK32A	no errors	hORFeome V8.1 Collection	202374	STK32A	NM_145001.3	Full Length 99-100% match
ccsbBroadEn_09824	ccsbBroad304_09824		BC035022	202500	TCTE1	no errors	hORFeome V8.1 Collection	202500	TCTE1	NM_182539.3	Full Length 99-100% match
ccsbBroadEn_09825	ccsbBroad304_09825		BC034043	202559	KHDRBS2	no errors	hORFeome V8.1 Collection	202559	KHDRBS2	NM_152688.2	Full Length 99-100% match
ccsbBroadEn_09826	ccsbBroad304_09826	454	BC057765	203100	HTRA4	no errors	hORFeome V8.1 Collection	203100	HTRA4	NM_153692.3	Full Length 99-100% match
ccsbBroadEn_09827	ccsbBroad304_09827		BC018758	203260	CCDC107	no errors	hORFeome V8.1 Collection	203260	CCDC107	NM_174923.2	Full Length 99-100% match
ccsbBroadEn_09828	ccsbBroad304_09828		BC019584	203427	SLC25A43	no errors	hORFeome V8.1 Collection	203427	SLC25A43	NM_145305.2	Full Length 99-100% match
ccsbBroadEn_09829	ccsbBroad304_09829	454	BC136548	203430	ZCCHC5	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	203430	ZCCHC5	NM_152694.2	Full Length 99-100% match
ccsbBroadEn_09830	ccsbBroad304_09830		BC130426,BC130428	203611	CDY2B	no errors	hORFeome V8.1 Collection	9426; 203611	CDY2A; CDY2B	NM_004825.2; NM_001001722.1	Full Length 99-100% match
ccsbBroadEn_09831	ccsbBroad304_09831		BC034970	204219	LASS3	no errors	hORFeome V8.1 Collection	204219	LASS3	NM_178842.3	Full Length 99-100% match
ccsbBroadEn_09832	ccsbBroad304_09832		BC028743	204962	SLC44A5	no errors	hORFeome V8.1 Collection	204962	SLC44A5	NM_152697.4	Full Length 99-100% match
ccsbBroadEn_09833	ccsbBroad304_09833		BC030705	205564	SEN5	no errors	hORFeome V8.1 Collection	205564	SEN5	NM_152699.4	Full Length 99-100% match
ccsbBroadEn_09834	ccsbBroad304_09834	454	BC111959	205860	TRIML2	no errors	hORFeome V8.1 Collection	205860	TRIML2	NM_173553.1	Full Length 99-100% match
ccsbBroadEn_09835	ccsbBroad304_09835		BC032340	207063	DHRX	no errors	hORFeome V8.1 Collection	207063	DHRX	NM_145177.2	Full Length 99-100% match
ccsbBroadEn_09836	ccsbBroad304_09836		BC026072	219333	USP12	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	219333	USP12	NM_182488.3	Full Length 99-100% match
ccsbBroadEn_09837	ccsbBroad304_09837		BC046166	219402	MTIF3	no errors	hORFeome V8.1 Collection	219402	MTIF3	NM_152912.4; NM_001166261.1; NM_001166262.1;	Full Length 99-100% match
ccsbBroadEn_09838	ccsbBroad304_09838	454	BC136927	219438	OR5D18	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	219438	OR5D18	NM_001001952.1	Full Length 99-100% match
ccsbBroadEn_09839	ccsbBroad304_09839	454	BC136983	219482	OR5M3	no errors	hORFeome V8.1 Collection	219482	OR5M3	NM_001004742.1	Full Length 99-100% match
ccsbBroadEn_09840	ccsbBroad304_09840	454	BC136737	219527	LRRC55	no errors	hORFeome V8.1 Collection	219527	LRRC55	NM_001005210.2	Full Length 99-100% match
ccsbBroadEn_09841	ccsbBroad304_09841		BC041932	219621	C10orf107	no errors	hORFeome V8.1 Collection	219621	C10orf107	NM_173554.2	Full Length 99-100% match
ccsbBroadEn_09842	ccsbBroad304_09842		BC028617	219654	ZCCHC24	no errors	hORFeome V8.1 Collection	219654	ZCCHC24	NM_153367.3	Full Length 99-100% match
ccsbBroadEn_09843	ccsbBroad304_09843		BC039312	219681	ARMC3	no errors	hORFeome V8.1 Collection	219681	ARMC3	NM_173081.3	Full Length 99-100% match
ccsbBroadEn_09844	ccsbBroad304_09844		BC013587	219738	C10orf35	no errors	hORFeome V8.1 Collection	219738	C10orf35	NM_145306.2	Full Length 99-100% match
ccsbBroadEn_09845	ccsbBroad304_09845	454	BC030242	219743	TYSND1	no errors	hORFeome V8.1 Collection	219743	TYSND1	NM_001040273.1	Full Length 99-100% match
ccsbBroadEn_09846	ccsbBroad304_09846		BC051314	219855	SLC37A2	no errors	hORFeome V8.1 Collection	219855	SLC37A2	NM_198277.2	Full Length 99-100% match
ccsbBroadEn_09847	ccsbBroad304_09847	454	BC136863	219858	OR8B12	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	219858	OR8B12	NM_001005195.1	Full Length 99-100% match
ccsbBroadEn_09848	ccsbBroad304_09848	454	BC136917	219869	OR10G8	1 synonomous error	hORFeome V8.1 Collection	219869	OR10G8	NM_001004464.1	Full Length 99-100% match
ccsbBroadEn_09849	ccsbBroad304_09849	454	BC136906	219874	OR6T1	no errors	hORFeome V8.1 Collection	219874	OR6T1	NM_001005187.1	Full Length 99-100% match
ccsbBroadEn_09850	ccsbBroad304_09850		BC055088	219927	MRPL21	no errors	hORFeome V8.1 Collection	219927	MRPL21	NM_181514.1	Full Length 99-100% match
ccsbBroadEn_09851	ccsbBroad304_09851	454	BC063008	219931	TPCN2	no errors	hORFeome V8.1 Collection	219931	TPCN2	NM_139075.3	Full Length 99-100% match
ccsbBroadEn_09852	ccsbBroad304_09852	454	BC110819	219956	OR9Q1	no errors	hORFeome V8.1 Collection	219956	OR9Q1	NM_001005212.3	Full Length 99-100% match
ccsbBroadEn_09853	ccsbBroad304_09853		BC016789	219970	GLYATL2	no errors	hORFeome V8.1 Collection	219970	GLYATL2	NM_145016.3	Full Length 99-100% match
ccsbBroadEn_09854	ccsbBroad304_09854		BC112230	219972	MPEG1	no errors	hORFeome V8.1 Collection	219972	MPEG1	NM_001039396.1	Full Length 99-100% match
ccsbBroadEn_09855	ccsbBroad304_09855	454	BC137028	219983	OR4D6	no errors	hORFeome V8.1 Collection	219983	OR4D6	NM_001004708.1	Full Length 99-100% match
ccsbBroadEn_09856	ccsbBroad304_09856		BC014045,BC047710	220002	CYBASC3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	220002	CYBASC3	NM_153611.4; NM_001161452.1	Full Length 99-100% match
ccsbBroadEn_09857	ccsbBroad304_09857	454	BC043246	220004	C11orf66	no errors	hORFeome V8.1 Collection	220004	C11orf66	NM_001170753.1	Full Length 99-100% match
ccsbBroadEn_09858	ccsbBroad304_09858		BC039268	220042	C11orf82	no errors	hORFeome V8.1 Collection	220042	C11orf82	NM_145018.3	Full Length 99-100% match
ccsbBroadEn_09859	ccsbBroad304_09859	454	BC104892	220107	DLEU7	no errors	hORFeome V8.1 Collection	220107	DLEU7	NM_198989.2	Full Length 99-100% match
ccsbBroadEn_09860	ccsbBroad304_09860	454	BC094004	220441	RNF152	no errors	hORFeome V8.1 Collection	220441	RNF152	NM_173557.2	Full Length 99-100% match
ccsbBroadEn_09861	ccsbBroad304_09861		BC036453	220965	FAM13C	no errors	hORFeome V8.1 Collection	220965	FAM13C	NM_198215.3	Full Length 99-100% match
ccsbBroadEn_09862	ccsbBroad304_09862		BC025394,BC066988	220972	MARCH8	no errors	hORFeome V8.1 Collection	220972	MARCH8	NM_001002265.1; NM_145021.4;	Full Length 99-100% match
ccsbBroadEn_09863	ccsbBroad304_09863		BC130369,BC130395	220979	C10orf25	no errors	hORFeome V8.1 Collection	220979	C10orf25	NM_001039380.2	Full Length 99-100% match
ccsbBroadEn_09864	ccsbBroad304_09864		BC117323	221074	SLC39A12	no errors	hORFeome V8.1 Collection	221074	SLC39A12	NM_001145195.1	Full Length 99-100% match
ccsbBroadEn_09865	ccsbBroad304_09865		BC035778	221078	NSUN6	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	221078	NSUN6	NM_1	



ccsbBroadEn_09868	ccsbBroad304_09868		BC034965	221154	EFHA1	no errors	hORFeome V8.1 Collection	221154	EFHA1	NM_152726.2	Full Length 99-100% match
ccsbBroadEn_09869	ccsbBroad304_09869		BC102921	221178	SPATA13	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	221178	SPATA13	NM_153023.2	Full Length 99-100% match
ccsbBroadEn_09870	ccsbBroad304_09870		BC022031	221264	AKD1	no errors	hORFeome V8.1 Collection	221264	AKD1	NM_145025.4	Full Length 99-100% match
ccsbBroadEn_09871	ccsbBroad304_09871		BC100957	221409	SPATS1	no errors	hORFeome V8.1 Collection	221409	SPATS1	NM_145026.3	Full Length 99-100% match
ccsbBroadEn_09872	ccsbBroad304_09872	454	BC011709	221443	C6orf130	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	221443	C6orf130	NM_145063.2	Full Length 99-100% match
ccsbBroadEn_09873	Failed LR reaction	454	BC023627,BC047919	221491	C6orf1	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	221491	C6orf1	NM_178508.3; NM_001008704.1; NM_001008703.1	Full Length 99-100% match
ccsbBroadEn_09874	ccsbBroad304_09874		BC014978	221504	ZBTB9	no errors	hORFeome V8.1 Collection	221504	ZBTB9	NM_152735.3	Full Length 99-100% match
ccsbBroadEn_09875	ccsbBroad304_09875		BC030666,BC050030	221687	RNF182	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	221687	RNF182	NM_152737.3; NM_001165032.1; NM_001165033.1; NM_001165034.1	Full Length 99-100% match
ccsbBroadEn_09876	ccsbBroad304_09876		BC126337	221786	FAM200A	no errors	hORFeome V8.1 Collection	221786	FAM200A	NM_145111.3	Full Length 99-100% match
ccsbBroadEn_09877	ccsbBroad304_09877	454	BC027603	221955	DAGLB	no errors	hORFeome V8.1 Collection	221955	DAGLB	NM_139179.3	Full Length 99-100% match
ccsbBroadEn_09878	ccsbBroad304_09878		BC030547	222229	LRWD1	early stop codon	hORFeome V8.1 Mutant Subcollection	222229	LRWD1	NM_152892.1	Full Length 99-100% match
ccsbBroadEn_09879	ccsbBroad304_09879		BC111696	222256	CDHR3	no errors	hORFeome V8.1 Collection	222256	CDHR3	NM_152750.4	Full Length 99-100% match
ccsbBroadEn_09880	ccsbBroad304_09880	454	BC093913	222537	HS3ST5	no errors	hORFeome V8.1 Collection	222537	HS3ST5	NM_153612.3	Full Length 99-100% match
ccsbBroadEn_09881	ccsbBroad304_09881		BC039248	222546	RFX6	no errors	hORFeome V8.1 Collection	222546	RFX6	NM_173560.3	Full Length 99-100% match
ccsbBroadEn_09882	ccsbBroad304_09882	454	BC028615	222553	SLC35F1	no errors	hORFeome V8.1 Collection	222553	SLC35F1	NM_001029858.3	Full Length 99-100% match
ccsbBroadEn_09883	ccsbBroad304_09883	454	BC035284	222643	UNC5CL	no errors	hORFeome V8.1 Collection	222643	UNC5CL	NM_173561.2	Full Length 99-100% match
ccsbBroadEn_09884	ccsbBroad304_09884		BC028630	222662	LHFPL5	no errors	hORFeome V8.1 Collection	222662	LHFPL5	NM_182548.3	Full Length 99-100% match
ccsbBroadEn_09885	ccsbBroad304_09885		BC038240	222698	NKAPL	no errors	hORFeome V8.1 Collection	222698	NKAPL	NM_001007531.1	Full Length 99-100% match
ccsbBroadEn_09886	ccsbBroad304_09886	454	BC093005	245711	SPDYA	no errors	hORFeome V8.1 Collection	245711	SPDYA	NM_001142634.1; NM_182756.3	Full Length 99-100% match
ccsbBroadEn_09887	ccsbBroad304_09887		BC069316	245806	VGLL2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	245806	VGLL2	NM_153453.1	Full Length 99-100% match
ccsbBroadEn_09888	ccsbBroad304_09888		BC100844	245909	DEFB106A	no errors	hORFeome V8.1 Collection	245909; 503841	DEFB106A; DEFB106B	NM_152251.3; NM_001040704.1	Full Length 99-100% match
ccsbBroadEn_09889	ccsbBroad304_09889		BC128195	245938	DEFB125	no errors	hORFeome V8.1 Collection	245938	DEFB125	NM_153325.2	Full Length 99-100% match
ccsbBroadEn_09890	ccsbBroad304_09890		BC012142	245973	ATP6V1C2	no errors	hORFeome V8.1 Collection	245973	ATP6V1C2	NM_144583.3	Full Length 99-100% match
ccsbBroadEn_09891	ccsbBroad304_09891		BC001106	252839	TMEM9	no errors	hORFeome V8.1 Collection	252839	TMEM9	NM_016456.3	Full Length 99-100% match
ccsbBroadEn_09892	ccsbBroad304_09892		BC139906	253012	HEPACAM2	no errors	hORFeome V8.1 Collection	253012	HEPACAM2	NM_198151.1	Full Length 99-100% match
ccsbBroadEn_09893	ccsbBroad304_09893		BC041475	253152	EPHX4	no errors	hORFeome V8.1 Collection	253152	EPHX4	NM_173567.4	Full Length 99-100% match
ccsbBroadEn_09894	ccsbBroad304_09894	454	BC152434	253650	ANKRD18A	no errors	hORFeome V8.1 Collection	253650	ANKRD18A	NM_147195.2	Full Length 99-100% match
ccsbBroadEn_09895	ccsbBroad304_09895		BC040981	254122	SNX32	no errors	hORFeome V8.1 Collection	254122	SNX32	NM_152760.2	Full Length 99-100% match
ccsbBroadEn_09896	ccsbBroad304_09896		BC117344,BC117346	254158	CXorf58	no errors	hORFeome V8.1 Collection	254158	CXorf58	NM_152761.2	Full Length 99-100% match
ccsbBroadEn_09897	ccsbBroad304_09897	454	BC104022	254187	TSGA10IP	no errors	hORFeome V8.1 Collection	254187	TSGA10IP	NM_152762.2	Full Length 99-100% match
ccsbBroadEn_09898	ccsbBroad304_09898	454	BC112012	254272	TBC1D28	no errors	hORFeome V8.1 Collection	254272; 100292664	TBC1D28; LOC100292664	NM_001039397.2; XM_002345004.2	Full Length 99-100% match
ccsbBroadEn_09899	ccsbBroad304_09899		BC053853	254295	PHYHD1	no errors	hORFeome V8.1 Collection	254295	PHYHD1	NM_001100876.1	Full Length 99-100% match
ccsbBroadEn_09900	ccsbBroad304_09900		BC031658	254394	MCM9	no errors	hORFeome V8.1 Collection	254394	MCM9	NM_153255.4	Full Length 99-100% match
ccsbBroadEn_09901	ccsbBroad304_09901	454	BC018644	254552	NUDT8	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	254552	NUDT8	NM_181843.1	Full Length 99-100% match
ccsbBroadEn_09902	ccsbBroad304_09902	454	BC104925	254950	KRTAP15-1	no errors	hORFeome V8.1 Collection	254950	KRTAP15-1	NM_181623.1	Full Length 99-100% match
ccsbBroadEn_09903	ccsbBroad304_09903		BC036193,BC036208	255022	CALHM1	no errors	hORFeome V8.1 Collection	255022	CALHM1	NM_001001412.3	Full Length 99-100% match
ccsbBroadEn_09904	ccsbBroad304_09904		BC023000	255043	TMEM86B	no errors	hORFeome V8.1 Collection	255043	TMEM86B	NM_173804.4	Full Length 99-100% match
ccsbBroadEn_09905	Failed LR reaction		BC028156	255057	C19orf26	no errors	hORFeome V8.1 Collection	255057	C19orf26	NM_152769.2	Full Length 99-100% match
ccsbBroadEn_09906	ccsbBroad304_09906		BC053600	255104	TMCO4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	255104	TMCO4	NM_181719.4	Full Length 99-100% match
ccsbBroadEn_09907	ccsbBroad304_09907	454	BC104893	255231	MCOLN2	no errors	hORFeome V8.1 Collection	255231	MCOLN2	NM_153259.2	Full Length 99-100% match
ccsbBroadEn_09908	ccsbBroad304_09908		BC104027	255403	ZNF718	no errors	hORFeome V8.1 Collection	255403	ZNF718	NM_001039127.3	Full Length 99-100% match
ccsbBroadEn_09909	ccsbBroad304_09909		BC021177	255758	TCTEX1D2	no errors	hORFeome V8.1 Collection	255758	TCTEX1D2	NM_152773.3	Full Length 99-100% match
ccsbBroadEn_09910	ccsbBroad304_09910		BC059404	255877	BCL6B	no errors	hORFeome V8.1 Collection	255877	BCL6B	NM_181844.3	Full Length 99-100% match
ccsbBroadEn_09911	ccsbBroad304_09911		BC066301	256227	MGC87042	no errors	hORFeome V8.1 Collection	256227	MGC87042	NM_207342.2	Full Length 99-100% match
ccsbBroadEn_09912	ccsbBroad304_09912		BC029527	256302	C17orf103	no errors	hORFeome V8.1 Collection	256302	C17orf103	NM_152914.2	Full Length 99-100% match
ccsbBroadEn_09913	ccsbBroad304_09913		BC038515	256309	CCDC110	no errors	hORFeome V8.1 Collection	256309	CCDC110	NM_001145411.1	Full Length 99-100% match
ccsbBroadEn_09914	ccsbBroad304_09914	454	BC108280	256364	EML3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	256364	EML3	NM_153265.2	Full Length 99-100% match
ccsbBroadEn_09915	ccsbBroad304_09915		BC059363	256435	ST6GALNAC3	no errors	hORFeome V8.1 Collection	256435	ST6GALNAC3	NM_152996.2	Full Length 99-100% match
ccsbBroadEn_09916	ccsbBroad304_09916	454	BC033898	256472	TMEM151A	3 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	256472	TMEM151A	NM_153266.3	Full Length 99-100% match
ccsbBroadEn_09917	ccsbBroad304_09917	454	BC089400	256714	MAP7D2	no errors	hORFeome V8.1 Collection	256714	MAP7D2	NM_001168465.1	Full Length 99-100% match
ccsbBroadEn_09918	ccsbBroad304_09918		BC132681	256957	C17orf66	no errors	hORFeome V8.1 Collection	256957	C17orf66	NM_152781.2	Full Length 99-100% match
ccsbBroadEn_09919	ccsbBroad304_09919		BC032859	257044	C1orf101	no errors	hORFeome V8.1 Collection	257044	C1orf101	NM_173807.4	Full Length 99-100% match
ccsbBroadEn_09920	ccsbBroad304_09920		BC030506	257144	GCET2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	257144	GCET2	NM_152785.4	Full Length 99-100% match
ccsbBroadEn_09921	ccsbBroad304_09921		BC112274	257236	CCDC96	no errors	hORFeome V8.1 Collection	257236	CCDC96	NM_153376.2	Full Length 99-100% match
ccsbBroadEn_09922	ccsbBroad304_09922	454	BC105055	257236	CCDC96	no errors	hORFeome V8.1 Collection	257236	CCDC96	NM_153376.2	Full Length 99-100% match
ccsbBroadEn_09923	ccsbBroad304_09923		BC109031	257240	KLHL34	no errors	hORFeome V8.1 Collection	257240	KLHL34	NM_153270.1	Full Length 99-100% match
ccsbBroadEn_09924	ccsbBroad304_09924		BC069295	259240	WFDC9	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	259240	WFDC9	NM_147198.2	Full Length 99-100% match
ccsbBroadEn_09925	ccsbBroad304_09925		BC117423	259289	TAS2R43	no errors	hORFeome V8.1 Collection	259289	TAS2R43	NM_176884.2	Full Length 99-100% match
ccsbBroadEn_09926	ccsbBroad304_09926	454	BC111998	259294	TAS2R19	no errors	hORFeome V8.1 Collection	259294	TAS2R19	NM_176888.1	Full Length 99-100% match
ccsbBroadEn_09927	ccsbBroad304_09927		BC009506	261726	TIPRL	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	261726	TIPRL	NM_001031800.1	Full Length 99-100% match
ccsbBroadEn_09928	ccsbBroad304_09928		BC101004	266629	SEC14L3	no errors	hORFeome V8.1 Collection	266629	SEC14L3	NM_174975.4	Full Length 99-100% match
ccsbBroadEn_09929	ccsbBroad304_09929	454	BC069641	266629	SEC14L3	no errors	hORFeome V8.1 Collection	266629	SEC14L3	NM_174975.4	Full Length 99-100% match
ccsbBroadEn_09930	ccsbBroad304_09930	454	BC104883	266812	NAP1L5	no errors	hORFeome V8.1 Collection	266812	NAP1L5	NM_153757.2	Full Length 99-100% match
ccsbBroadEn_09931	ccsbBroad304_09931		BC121071	280664	WFDC10B	no errors	hORFeome V8.1 Collection	280664	WFDC10B	NM_172006.2	Full Length 99-100% match
ccsbBroadEn_09932	ccsbBroad304_09932		BC028127	282966	C10orf53	no errors	hORFeome V8.1 Collection	282966	C10orf53	NM_182554.2	Full Length 99-100% match
ccsbBroadEn_09933	ccsbBroad304_09933		BC020494	282991	BLOC1S2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	282991	BLOC1S2	NM_001001342.1	Full Length 99-100% match
ccsbBroadEn_09934	ccsbBroad304_09934		BC036207	283078	MKX	no errors	hORFeome V8.1 Collection	283078	MKX	NM_173576.2	Full Length 99-100% match
ccsbBroadEn_09935	ccsbBroad304_09935	454	BC136865	283162	OR8B4	no errors	hORFeome V8.1 Collection	283162	OR8B4	NM_001005196.1	Full Length 99-100% match
ccsbBroadEn_09936	ccsbBroad304_09936		BC059360	283209	PGM2L1	no errors	hORFeome V8.1 Collection	283209	PGM2L1	NM_173582.3	Full Length 99-100% match
ccsbBroadEn_09937	ccsbBroad304_09937		BC033196	283229	EFCAB4A	no errors	hORFeome V8.1 Collection	283229	EFCAB4A	NM_173584.3	Full Length 99-100% match
ccsbBroadEn_09938	ccsbBroad304_09938		BC053665	283237	TTC9C	no errors	hORFeome V8.1 Collection	283237	TTC9C	NM_173810.3	Full Length 99-100% match
ccsbBroadEn_09939	ccsbBroad304_09939	454	BC023587	283248	RCOR2	no errors	hORFeome V8.1 Collection	283248	RCOR2	NM_173587.3	Full Length 99-100% match
ccsbBroadEn_09940	ccsbBroad304_09940	454	BC137024	283297	OR10A4	no errors	hORFeome V8.1 Collection	283297	OR10A4	NM_207186.2	Full Length 99-100% match
ccsbBroadEn_09941	ccsbBroad304_09941	454	BC100949	283349	RASSF3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	283349	RASSF3	NM_178169.2	Full Length 99-100% match
ccsbBroadEn_09942	ccsbBroad304_09942		BC057760	283385	MORN3	no errors	hORFeome V8.1 Collection	283385	MORN3	NM_173855.4	Full Length 99-100% match
ccsbBroadEn_09943	ccsbBroad304_09943	454	BC068442	283417	DPY19L2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	283417	DPY19L2	NM_173812.4	Full Length 99-100% match
ccsbBroadEn_09944	ccsbBroad304_09944	454	BC030023	283464	GXYLT1	no errors	hORFeome V8.1 Collection	283464	GXYLT1	NM_173601.1	Full Length 99-100% match
ccsbBroadEn_09945	ccsbBroad304_09945		BC060850	283537	SLC46A3	no errors	hORFeome V8.1 Collection	283537	SLC46A3	NM_001135919.1; NM_181785.3	Full Length 99-100% match
ccsbBroadEn_09946	ccsbBroad304_09946	454	BC093661	283598	C14orf177	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	283598	C14orf177	NM_182560.2	Full Length 99-100% match
ccsbBroadEn_09947	ccsbBroad304_09947	454	BC136597	283694	OR4N4	no errors	hORFeome V8.1 Collection	283694	OR4N4	NM_001005241.1	Full Length 99-100% match
ccsbBroadEn_09948	ccsbBroad304_09948		BC039154	283870	C16orf79	no errors	hORFeome V8.1 Collection	283870	C16orf79	NM_182563.3	Full Length 99-100% match
ccsbBroadEn_09949	ccsbBroad304_09949		BC035372	283987	C17orf28						



ccsbBroadEn_09952	ccsbBroad304_09952		BC034672	284099	C17orf78	no errors	hORFeome V8.1 Collection	284099	C17orf78	NM_173625.3	Full Length 99-100% match
ccsbBroadEn_09953	ccsbBroad304_09953		BC109197	284110	GSDMA	no errors	hORFeome V8.1 Collection	284110	GSDMA	NM_178171.4	Full Length 99-100% match
ccsbBroadEn_09954	ccsbBroad304_09954	454	BC066123	284119	Ptrf	no errors	hORFeome V8.1 Collection	284119	Ptrf	NM_012232.5	Full Length 99-100% match
ccsbBroadEn_09955	ccsbBroad304_09955		BC105943	284194	LGALS9B	no errors	hORFeome V8.1 Collection	654346	LGALS9C	NM_001040078.2	Full Length 99-100% match
ccsbBroadEn_09956	ccsbBroad304_09956		BC063652	284252	KCTD1	no errors	hORFeome V8.1 Collection	284252	KCTD1	NM_198991.2;	
ccsbBroadEn_09957	ccsbBroad304_09957		BC033780	284273	ZADH2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	284273	ZADH2	NM_001136205.1	Full Length 99-100% match
ccsbBroadEn_09958	ccsbBroad304_09958		BC078661	284273	ZADH2	no errors	hORFeome V8.1 Collection	284273	ZADH2	NM_175907.4	Full Length 99-100% match
ccsbBroadEn_09959	ccsbBroad304_09959	454	BC043611	284346	ZNF575	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	284346	ZNF575	NM_175907.4	Full Length 99-100% match
ccsbBroadEn_09960	ccsbBroad304_09960		BC034769	284359	IZUMO1	no errors	hORFeome V8.1 Collection	284359	IZUMO1	NM_174945.2	Full Length 99-100% match
ccsbBroadEn_09961	ccsbBroad304_09961	454	BC033237	284365	MGC45922	no errors	hORFeome V8.1 Collection	100508182;	LOC100508182;	NM_182575.2	Full Length 99-100% match
ccsbBroadEn_09962	ccsbBroad304_09962	454	BC105102	284370	ZNF615	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	100510167	LOC100510167	NM_003119744.1;	
ccsbBroadEn_09963	ccsbBroad304_09963		BC032577	284406	ZFP82	no errors	hORFeome V8.1 Collection	284370	ZNF615	NM_003120962.1	Full Length 99-100% match
ccsbBroadEn_09964	ccsbBroad304_09964	454	BC045598	284439	SLC25A42	no errors	hORFeome V8.1 Collection	284370	ZNF615	NM_198480.3	Full Length 99-100% match
ccsbBroadEn_09965	ccsbBroad304_09965		BC104469	284451	ODF3L2	no errors	hORFeome V8.1 Collection	284406	ZFP82	NM_133466.2	Full Length 99-100% match
ccsbBroadEn_09966	ccsbBroad304_09966		BC023087	284565	NBPF15	no errors	hORFeome V8.1 Collection	284439	SLC25A42	NM_178526.3	Full Length 99-100% match
ccsbBroadEn_09967	ccsbBroad304_09967		BC062571	284618	C1orf104	no errors	hORFeome V8.1 Collection	284451	ODF3L2	NM_182577.2	Full Length 99-100% match
ccsbBroadEn_09968	ccsbBroad304_09968		BC032957	284680	C1orf111	no errors	hORFeome V8.1 Collection	728936; 284565	NBPF16; NBPF15	NM_001102663.1;	
ccsbBroadEn_09969	ccsbBroad304_09969	454	BC090866	284695	ZNF326	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	284618	C1orf104	NM_173638.3;	
ccsbBroadEn_09970	ccsbBroad304_09970	454	BC013922	284697	BTBD8	no errors	hORFeome V8.1 Collection	284680	C1orf111	NM_001170755.1	Full Length 99-100% match
ccsbBroadEn_09971	ccsbBroad304_09971	454	BC105042	284805	C20orf203	no errors	hORFeome V8.1 Collection	284680	C1orf111	NM_001039517.1	Full Length 99-100% match
ccsbBroadEn_09972	ccsbBroad304_09972		BC127676	285141	LOC285141	no errors	hORFeome V8.1 Collection	284680	C1orf111	NM_182581.3	Full Length 99-100% match
ccsbBroadEn_09973	ccsbBroad304_09973		BC039295	285172	FAM126B	no errors	hORFeome V8.1 Collection	284695	ZNF326	NM_182976.2	Full Length 99-100% match
ccsbBroadEn_09974	ccsbBroad304_09974	454	BC101182	285242	HTR3E	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	284695	ZNF326	NM_183242.3	Full Length 99-100% match
ccsbBroadEn_09975	ccsbBroad304_09975	454	BC020832	285282	RABL3	no errors	hORFeome V8.1 Collection	284697	BTBD8	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09976	ccsbBroad304_09976		BC031063	285313	IGSF10	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09977	ccsbBroad304_09977	454	BC075094	285349	ZNF660	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09978	ccsbBroad304_09978	454	BC089447	285368	PRRT3	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09979	ccsbBroad304_09979		BC104225	285429	DCAF4L1	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09980	ccsbBroad304_09980		BC060857	285440	CYP4V2	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09981	ccsbBroad304_09981		BC126371	285513	GPRIN3	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09982	ccsbBroad304_09982		BC063469	285613	RELL2	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09983	ccsbBroad304_09983		BC112276	285676	ZNF454	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09984	ccsbBroad304_09984	454	BC067736	285704	RGMB	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09985	ccsbBroad304_09985		BC113027	285733	LOC285733	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09986	ccsbBroad304_09986		BC103907	285848	PNPLA1	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09987	ccsbBroad304_09987	454	BC103905	285848	PNPLA1	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09988	ccsbBroad304_09988	454	BC089424	285989	ZNF789	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09989	ccsbBroad304_09989	454	BC034608	286128	ZFP41	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09990	Failed LR reaction	454	BC044240	286676	ILDR1	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09991	ccsbBroad304_09991	454	BC110639	286887	KRT6C	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09992	ccsbBroad304_09992		BC130356,BC130358	317701	VN1R2	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09993	ccsbBroad304_09993	454	BC104935	317703	VN1R4	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09994	ccsbBroad304_09994		BC067753	317719	KLHL10	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09995	Failed LR reaction		BC011831	326625	MMAB	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09996	ccsbBroad304_09996		BC005054	326625	MMAB	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09997	ccsbBroad304_09997	454	BC093936	337959	KRTAP13-2	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09998	ccsbBroad304_09998		BC117197	337971	KRTAP19-4	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_09999	ccsbBroad304_09999		BC020874	338094	FAM151A	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_10000	ccsbBroad304_10000	454	BC136583	338321	NLRP9	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_10001	ccsbBroad304_10001		BC063857	338328	GPIHBP1	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_10002	ccsbBroad304_10002		BC101239	338674	OR5F1	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_10003	ccsbBroad304_10003	454	BC137343	338751	OR52L1	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_10004	ccsbBroad304_10004		BC039148	338785	KRT79	no errors	hORFeome V8.1 Collection	284805	C20orf203	NM_182584.2	Full Length 99-100% match
ccsbBroadEn_10005	ccsbBroad304_10005		BC040438	338872	C1QTNF9	no errors	hORFeome V8.1 Collection	387911; 338872	C1QTNF9B; C1QTNF9	NM_001007537.1;	
ccsbBroadEn_10006	ccsbBroad304_10006		BC128153	338917	VSX2	no errors	hORFeome V8.1 Collection	338917	VSX2	NM_178540.3	Full Length 99-100% match
ccsbBroadEn_10007	ccsbBroad304_10007		BC101006	339010	POTEB	no errors	hORFeome V8.1 Collection	339010	POTEB	NM_182894.2	Full Length 99-100% match
ccsbBroadEn_10008	ccsbBroad304_10008	454	BC093665	339145	FAM92B	no errors	hORFeome V8.1 Collection	339145	FAM92B	NM_207355.2	Full Length 99-100% match
ccsbBroadEn_10009	ccsbBroad304_10009	454	BC041453	339221	ENPP7	no errors	hORFeome V8.1 Collection	339145	FAM92B	NM_198491.1	Full Length 99-100% match
ccsbBroadEn_10010	ccsbBroad304_10010		BC122549	339324	ZNF260	1 synonomous error	hORFeome V8.1 Collection	339221	ENPP7	NM_178543.3	Full Length 99-100% match
ccsbBroadEn_10011	ccsbBroad304_10011	454	BC042676	339324	ZNF260	no errors	hORFeome V8.1 Collection	339324	ZNF260	NM_001012756.2;	
ccsbBroadEn_10012	ccsbBroad304_10012		BC045649	339327	ZNF546	no errors	hORFeome V8.1 Collection	339327	ZNF546	NM_001166038.1;	
ccsbBroadEn_10013	ccsbBroad304_10013	454	BC137220	339398	LINGO4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	339398	LINGO4	NM_001166036.1;	
ccsbBroadEn_10014	ccsbBroad304_10014	454	BC101507	339403	RXFP4	no errors	hORFeome V8.1 Collection	339403	RXFP4	NM_001166037.1	Full Length 99-100% match
ccsbBroadEn_10015	ccsbBroad304_10015		BC067302	339448	C1orf174	no errors	hORFeome V8.1 Collection	339448	C1orf174	NM_181885.2	Full Length 99-100% match
ccsbBroadEn_10016	ccsbBroad304_10016		BC114926	339457	C1orf222	no errors	hORFeome V8.1 Collection	339448	C1orf174	NM_207356.2	Full Length 99-100% match
ccsbBroadEn_10017	ccsbBroad304_10017		BC130400	339501	PRSS38	no errors	hORFeome V8.1 Collection	339457	C1orf222	NM_175907.4	Full Length 99-100% match
ccsbBroadEn_10018	ccsbBroad304_10018	454	BC039307	339761	CYP27C1	no errors	hORFeome V8.1 Collection	339501	PRSS38	NM_183062.2	Full Length 99-100% match
ccsbBroadEn_10019	ccsbBroad304_10019		BC045671	339779	C2orf53	no errors	hORFeome V8.1 Collection	339761	CYP27C1	NM_001001665.3	Full Length 99-100% match
ccsbBroadEn_10020	ccsbBroad304_10020		BC111796	339967	TMPRSS11A	no errors	hORFeome V8.1 Collection	339779	C2orf53	NM_178553.3	Full Length 99-100% match
ccsbBroadEn_10021	ccsbBroad304_10021		BC128243	340069	FAM170A	no errors	hORFeome V8.1 Collection	339967	TMPRSS11A	NM_001114387.1	Full Length 99-100% match
ccsbBroadEn_10022	ccsbBroad304_10022		BC129995	340075	ARSI	no errors	hORFeome V8.1 Collection	340069	FAM170A	NM_182761.3	Full Length 99-100% match
ccsbBroadEn_10023	ccsbBroad304_10023		BC132831,BC132833	340156	MYLK4	no errors	hORFeome V8.1 Collection	340075	ARSI	NM_001012301.2	Full Length 99-100% match
ccsbBroadEn_10024	ccsbBroad304_10024		BC030700	340252	ZNF680	no errors	hORFeome V8.1 Collection	340156	MYLK4	NM_001012418.3	Full Length 99-100% match
ccsbBroadEn_10025	ccsbBroad304_10025		BC063130	340277	C7orf46	no errors	hORFeome V8.1 Collection	340252	ZNF680	NM_178558.4	Full Length 99-100% match
ccsbBroadEn_10026	ccsbBroad304_10026		BC126161	340385	ZNF517	no errors	hORFeome V8.1 Collection	340277	C7orf46	NM_199136.3	Full Length 99-100% match
ccsbBroadEn_10027	Failed LR reaction		BC042558	340481	ZDHHC21	no errors	hORFeome V8.1 Collection	340385	ZNF517	NM_213605.2	Full Length 99-100% match



ccsbBroadEn_10028	ccsbBroad304_10028	454	BC092450	340542	BEX5	no errors	hORFeome V8.1 Collection	340542	BEX5	NM_001012978.2;	Full Length 99-100% match
ccsbBroadEn_10029	ccsbBroad304_10029	454	BC137430	340595	ZCCHC16	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	340595	ZCCHC16	NM_001004308.2	Full Length 99-100% match
ccsbBroadEn_10030	ccsbBroad304_10030	454	BC136955	341276	OR10A2	no errors	hORFeome V8.1 Collection	341276	OR10A2	NM_001004460.1	Full Length 99-100% match
ccsbBroadEn_10031	ccsbBroad304_10031	454	BC137000	341418	OR6C4	no errors	hORFeome V8.1 Collection	341418	OR6C4	NM_001005494.1	Full Length 99-100% match
ccsbBroadEn_10032	ccsbBroad304_10032	1	BC118635	341567	H1FNT	no errors	hORFeome V8.1 Collection	341567	H1FNT	NM_181788.1	Full Length 99-100% match
ccsbBroadEn_10033	ccsbBroad304_10033	454	BC063885	341676	NEK5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	341676	NEK5	NM_199289.1	Full Length 99-100% match
ccsbBroadEn_10034	ccsbBroad304_10034	1	BC067279	342132	ZNF774	no errors	hORFeome V8.1 Collection	342132	ZNF774	NM_001004309.2	Full Length 99-100% match
ccsbBroadEn_10035	ccsbBroad304_10035	1	BC130007	342357	ZKSCAN2	no errors	hORFeome V8.1 Collection	342357	ZKSCAN2	NM_001012981.4	Full Length 99-100% match
ccsbBroadEn_10036	ccsbBroad304_10036	1	BC100890	342510	CD300E	no errors	hORFeome V8.1 Collection	342510	CD300E	NM_181449.2	Full Length 99-100% match
ccsbBroadEn_10037	ccsbBroad304_10037	454	BC100888	342510	CD300E	no errors	hORFeome V8.1 Collection	342510	CD300E	NM_181449.2	Full Length 99-100% match
ccsbBroadEn_10038	ccsbBroad304_10038	454	BC105050	342527	SMTNL2	no errors	hORFeome V8.1 Collection	342527	SMTNL2	NM_198501.2	Full Length 99-100% match
ccsbBroadEn_10039	ccsbBroad304_10039	1	BC101333	342908	ZNF404	no errors	hORFeome V8.1 Collection	342908	ZNF404	NM_001033719.2	Full Length 99-100% match
ccsbBroadEn_10040	ccsbBroad304_10040	454	BC101630	342945	ZSCAN22	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	342945	ZSCAN22	NM_181846.2	Full Length 99-100% match
ccsbBroadEn_10041	ccsbBroad304_10041	1	BC130274,BC130276	343068	PRAMEF5	no errors	hORFeome V8.1 Collection	343068; 440561	PRAMEF5; PRAMEF6	NM_001013407.1; NM_001010889.2	Full Length 99-100% match
ccsbBroadEn_10042	ccsbBroad304_10042	454	BC101344	343068	PRAMEF5	no errors	hORFeome V8.1 Collection	343068; 440561	PRAMEF5; PRAMEF6	NM_001010889.2	Full Length 99-100% match
ccsbBroadEn_10043	ccsbBroad304_10043	454	BC137258	343069	HNRNPCL1	no errors	hORFeome V8.1 Collection	343069	HNRNPCL1	NM_001013631.1	Full Length 99-100% match
ccsbBroadEn_10044	ccsbBroad304_10044	454	BC112210	343071	PRAMEF10	no errors	hORFeome V8.1 Collection	343071	PRAMEF10	NM_001039361.3	Full Length 99-100% match
ccsbBroadEn_10045	ccsbBroad304_10045	1	BC132900	343263	MYBPHL	1 synonymous error	hORFeome V8.1 Collection	343263	MYBPHL	NM_001010985.2	Full Length 99-100% match
ccsbBroadEn_10046	ccsbBroad304_10046	1	BC132902	343263	MYBPHL	no errors	hORFeome V8.1 Collection	343263	MYBPHL	NM_001010985.2	Full Length 99-100% match
ccsbBroadEn_10047	ccsbBroad304_10047	454	BC105041	344561	GPR148	no errors	hORFeome V8.1 Collection	344561	GPR148	NM_207364.2	Full Length 99-100% match
ccsbBroadEn_10048	ccsbBroad304_10048	1	BC068081	344892	RTP2	no errors	hORFeome V8.1 Collection	344892	RTP2	NM_001004312.2	Full Length 99-100% match
ccsbBroadEn_10049	ccsbBroad304_10049	1	BC121109	345062	PRSS48	no errors	hORFeome V8.1 Collection	345062	PRSS48	NM_183375.2	Full Length 99-100% match
ccsbBroadEn_10050	ccsbBroad304_10050	1	BC107051	345274	SLC10A6	no errors	hORFeome V8.1 Collection	345274	SLC10A6	NM_197965.2	Full Length 99-100% match
ccsbBroadEn_10051	ccsbBroad304_10051	454	BC157878	346171	ZFP57	no errors	hORFeome V8.1 Collection	346171	ZFP57	NM_001109809.2	Full Length 99-100% match
ccsbBroadEn_10052	ccsbBroad304_10052	454	BC100953	346606	MOGAT3	no errors	hORFeome V8.1 Collection	346606	MOGAT3	NM_178176.2	Full Length 99-100% match
ccsbBroadEn_10053	Failed LR reaction	454	BC136625	347051	SLC10A5	no errors	hORFeome V8.1 Collection	347051	SLC10A5	NM_001010893.2	Full Length 99-100% match
ccsbBroadEn_10054	ccsbBroad304_10054	454	BC137050	347468	OR13H1	no errors	hORFeome V8.1 Collection	347468	OR13H1	NM_001004486.1	Full Length 99-100% match
ccsbBroadEn_10055	ccsbBroad304_10055	1	BC045113	347730	LRRTM1	no errors	hORFeome V8.1 Collection	347730	LRRTM1	NM_178839.4	Full Length 99-100% match
ccsbBroadEn_10056	ccsbBroad304_10056	1	BC047595	347902	AMIGO2	no errors	hORFeome V8.1 Collection	347902	AMIGO2	NM_181847.4; NM_001143668.1	Full Length 99-100% match
ccsbBroadEn_10057	ccsbBroad304_10057	1	BC078143	348174	CLEC18A	no errors	hORFeome V8.1 Collection	283971; 348174	CLEC18C; CLEC18A	NM_173619.2; NM_182619.2; NM_001136214.1	Full Length 99-100% match
ccsbBroadEn_10058	ccsbBroad304_10058	1	BC060865	348327	ZNF530	no errors	hORFeome V8.1 Collection	348327	ZNF530	NM_020880.3	Full Length 99-100% match
ccsbBroadEn_10059	ccsbBroad304_10059	1	BC037394	348487	FAM131C	no errors	hORFeome V8.1 Collection	348487	FAM131C	NM_182623.2	Full Length 99-100% match
ccsbBroadEn_10060	ccsbBroad304_10060	1	BC117204	348654	GEN1	no errors	hORFeome V8.1 Collection	348654	GEN1	NM_182625.3; NM_001130009.1	Full Length 99-100% match
ccsbBroadEn_10061	ccsbBroad304_10061	1	BC131716	353145	LCE3E	1 synonymous error	hORFeome V8.1 Collection	353145	LCE3E	NM_178435.2	Full Length 99-100% match
ccsbBroadEn_10062	ccsbBroad304_10062	1	BC047400	353149	TBC1D26	no errors	hORFeome V8.1 Collection	353149	TBC1D26	NM_178571.4	Full Length 99-100% match
ccsbBroadEn_10063	ccsbBroad304_10063	1	BC113398,BC113400	359710	C20orf185	no errors	hORFeome V8.1 Collection	359710	C20orf185	NM_182658.1	Full Length 99-100% match
ccsbBroadEn_10064	ccsbBroad304_10064	1	BC005954	374291	NDUFS7	no errors	hORFeome V8.1 Collection	374291	NDUFS7	NM_024407.4	Full Length 99-100% match
ccsbBroadEn_10065	ccsbBroad304_10065	1	BC107139	374308	PTCHD3	no errors	hORFeome V8.1 Collection	374308	PTCHD3	NM_001034842.3	Full Length 99-100% match
ccsbBroadEn_10066	ccsbBroad304_10066	1	BC104459	374739	TEPP	no errors	hORFeome V8.1 Collection	374739	TEPP	NM_199456.2	Full Length 99-100% match
ccsbBroadEn_10067	ccsbBroad304_10067	1	BC130535	374864	C18orf34	no errors	hORFeome V8.1 Collection	374864	C18orf34	NM_001105528.1	Full Length 99-100% match
ccsbBroadEn_10068	ccsbBroad304_10068	454	BC063640	374897	SBSN	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	374897	SBSN	NM_198538.3	Full Length 99-100% match
ccsbBroadEn_10069	Failed LR reaction	454	BC137498	375298	CERKL	no errors	hORFeome V8.1 Collection	375298	CERKL	NM_201548.4	Full Length 99-100% match
ccsbBroadEn_10070	ccsbBroad304_10070	1	BC061697	375341	C3orf62	no errors	hORFeome V8.1 Collection	375341	C3orf62	NM_198562.2	Full Length 99-100% match
ccsbBroadEn_10071	ccsbBroad304_10071	1	BC036867	375444	C5orf34	no errors	hORFeome V8.1 Collection	375444	C5orf34	NM_198566.2	Full Length 99-100% match
ccsbBroadEn_10072	ccsbBroad304_10072	454	BC104841	375607	C7orf52	no errors	hORFeome V8.1 Collection	375607	C7orf52	NM_198571.2	Full Length 99-100% match
ccsbBroadEn_10073	ccsbBroad304_10073	1	BC129937	375612	LHFPL3	1 synonymous error	hORFeome V8.1 Collection	375612	LHFPL3	NM_199000.2	Full Length 99-100% match
ccsbBroadEn_10074	ccsbBroad304_10074	454	BC052297	375791	C9orf169	no errors	hORFeome V8.1 Collection	375791	C9orf169	NM_199001.2	Full Length 99-100% match
ccsbBroadEn_10075	ccsbBroad304_10075	1	BC052602	377677	CA13	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	377677	CA13	NM_198584.2	Full Length 99-100% match
ccsbBroadEn_10076	ccsbBroad304_10076	1	BC141810	377841	ENTPD8	no errors	hORFeome V8.1 Collection	377841	ENTPD8	NM_198585.2	Full Length 99-100% match
ccsbBroadEn_10077	ccsbBroad304_10077	1	BC029264	378925	RNF148	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	378925	RNF148	NM_198085.1	Full Length 99-100% match
ccsbBroadEn_10078	ccsbBroad304_10078	1	BC018063	386618	KCTD4	no errors	hORFeome V8.1 Collection	386618	KCTD4	NM_198404.2	Full Length 99-100% match
ccsbBroadEn_10079	ccsbBroad304_10079	1	BC131613	386676	KRTAP10-9	no errors	hORFeome V8.1 Collection	386676	KRTAP10-9	NM_198690.2	Full Length 99-100% match
ccsbBroadEn_10080	Failed LR reaction	1	BC131611	386678	KRTAP10-11	no errors	hORFeome V8.1 Collection	386678	KRTAP10-11	NM_198692.2	Full Length 99-100% match
ccsbBroadEn_10081	ccsbBroad304_10081	1	BC125198	386684	KRTAP12-4	no errors	hORFeome V8.1 Collection	386684	KRTAP12-4	NM_198698.1	Full Length 99-100% match
ccsbBroadEn_10082	ccsbBroad304_10082	454	BC051700	387263	C6orf120	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	387263	C6orf120	NM_001029863.1	Full Length 99-100% match
ccsbBroadEn_10083	ccsbBroad304_10083	1	BC014441	387338	NSUN4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	387338	NSUN4	NM_199044.2	Full Length 99-100% match
ccsbBroadEn_10084	ccsbBroad304_10084	1	BC130516	387357	THEMIS	no errors	hORFeome V8.1 Collection	387357	THEMIS	NM_001010923.2	Full Length 99-100% match
ccsbBroadEn_10085	ccsbBroad304_10085	1	CCSB53276	387521	TMEM189	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	387521	TMEM189	NM_199129.2	Full Length 99-100% match
ccsbBroadEn_10086	ccsbBroad304_10086	454	BC082258	387680	FAM21A	no errors	hORFeome V8.1 Collection	387680	FAM21A	NM_001005751.1	Full Length 99-100% match
ccsbBroadEn_10087	ccsbBroad304_10087	454	BC137184	387748	OR56B1	no errors	hORFeome V8.1 Collection	387748	OR56B1	NM_001005180.2	Full Length 99-100% match
ccsbBroadEn_10088	ccsbBroad304_10088	454	BC136805	387837	CLEC12B	no errors	hORFeome V8.1 Collection	387837	CLEC12B	NM_205852.2	Full Length 99-100% match
ccsbBroadEn_10089	ccsbBroad304_10089	454	BC140921	387849	REP15	no errors	hORFeome V8.1 Collection	387849	REP15	NM_001029874.1	Full Length 99-100% match
ccsbBroadEn_10090	ccsbBroad304_10090	1	BC050346	387893	SETD8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	387893	SETD8	NM_020382.3	Full Length 99-100% match
ccsbBroadEn_10091	ccsbBroad304_10091	454	BC137004	387911	C1QTNF9B	no errors	hORFeome V8.1 Collection	387911	C1QTNF9B	NM_001007537.1	Full Length 99-100% match
ccsbBroadEn_10092	ccsbBroad304_10092	454	BC127925	388325	C17orf87	no errors	hORFeome V8.1 Collection	388325	C17orf87	NM_207103.2	Full Length 99-100% match
ccsbBroadEn_10093	ccsbBroad304_10093	454	BC071971	388524	RPSAP58	no errors	hORFeome V8.1 Collection	3921	RPSA	NM_001012321.1; NM_002295.4	Full Length 99-100% match
ccsbBroadEn_10094	ccsbBroad304_10094	1	BC057245	388536	ZNF790	no errors	hORFeome V8.1 Collection	388536	ZNF790	NM_206894.2	Full Length 99-100% match
ccsbBroadEn_10095	ccsbBroad304_10095	454	BC127706	388595	TMEM82	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	388595	TMEM82	NM_001013641.1	Full Length 99-100% match
ccsbBroadEn_10096	ccsbBroad304_10096	454	BC157893	388743	CAPN8	no errors	hORFeome V8.1 Collection	388743	CAPN8	NM_001143962.1	Full Length 99-100% match
ccsbBroadEn_10097	Failed LR reaction	454	BC068576	388951	TSPYL6	no errors	hORFeome V8.1 Collection	388951	TSPYL6	NM_001003937.2	Full Length 99-100% match
ccsbBroadEn_10098	ccsbBroad304_10098	454	BC137562	389090	OR6B2	1 synonymous error	hORFeome V8.1 Collection	389090	OR6B2	NM_001005853.1	Full Length 99-100% match
ccsbBroadEn_10099	ccsbBroad304_10099	454	BC067873	389289	C5orf39	no errors	hORFeome V8.1 Collection	389289	C5orf39	NM_001014279.2	Full Length 99-100% match
ccsbBroadEn_10100	ccsbBroad304_10100	1	BC056253	389434	IYD	no errors	hORFeome V8.1 Collection	389434	IYD	NM_203395.2	Full Length 99-100% match
ccsbBroadEn_10101	ccsbBroad304_10101	1	BC130553,BC130559	389541	C7orf59	no errors	hORFeome V8.1 Collection	389541	C7orf59	NM_001008395.2	Full Length 99-100% match
ccsbBroadEn_10102	ccsbBroad304_10102	454	BC137311	389558	FAM180A	2 synonymous errors	hORFeome V8.1 Mutant Subcollection	389558	FAM180A	NM_205855.3	Full Length 99-100% match
ccsbBroadEn_10103	ccsbBroad304_10103	1	BC021176	389874	ZCCHC13	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	389874	ZCCHC13	NM_203303.2	Full Length 99-100% match
ccsbBroadEn_10104	ccsbBroad304_10104	454	BC136912	390059	OR51M1	no errors	hORFeome V8.1 Collection	390059	OR51M1	NM_001004756.2	Full Length 99-100% match
ccsbBroadEn_10105	ccsbBroad304_10105	454	BC137198	390181	OR5AK2	no errors	hORFeome V8.1 Collection	390181	OR5AK2	NM_001005323.1	Full Length 99-100% match
ccsbBroadEn_10106	ccsbBroad304_10106	454	BC136947	390191	OR5B12	no errors	hORFeome V8.1 Collection	390191	OR5B12	NM_001004733.2	Full Length 99-100% match
ccsbBroadEn_10107	ccsbBroad304_10107	454	BC136957	390321	OR6C1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	390321	OR6C1	NM_001005182.1	Full Length 99-100% match
ccsbBroadEn_10108	ccsbBroad304_10108	1	BC130311,BC130313	390443	RNASE9	no errors	hORFeome V8.1 Collection	390443	RNASE9	NM_001001673.3; NM_001110357.1	Full Length 99-100% match
ccsbBroadEn_10109											



ccsbBroadEn_10111	ccsbBroad304_10111	454	BC140797	391365	SULT6B1	no errors	hORFeome V8.1 Collection	391365	SULT6B1	NM_001032377.1	Full Length 99-100% match
ccsbBroadEn_10112	ccsbBroad304_10112	454	BC146808	392307	C9orf128	no errors	hORFeome V8.1 Collection	392307	C9orf128	NM_001012446.2	Full Length 99-100% match
ccsbBroadEn_10113	ccsbBroad304_10113	454	BC137552	392490	FLJ44635	no errors	hORFeome V8.1 Collection	392490	FLJ44635	NM_207422.2	Full Length 99-100% match
ccsbBroadEn_10114	ccsbBroad304_10114	454	BC108676	392636	TMEM195	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	392636	TMEM195	NM_001004320.1	Full Length 99-100% match
ccsbBroadEn_10115	ccsbBroad304_10115		BC047949	399665	FAM102A	no errors	hORFeome V8.1 Collection	399665	FAM102A	NM_203305.2	Full Length 99-100% match
ccsbBroadEn_10116	ccsbBroad304_10116		BC033907	399694	SHC4	no errors	hORFeome V8.1 Collection	399694	SHC4	NM_203349.3	Full Length 99-100% match
ccsbBroadEn_10117	ccsbBroad304_10117	454	BC140922	399814	C10orf120	no errors	hORFeome V8.1 Collection	399814	C10orf120	NM_001010912.1	Full Length 99-100% match
ccsbBroadEn_10118	ccsbBroad304_10118	454	BC068577	399947	C11orf87	no errors	hORFeome V8.1 Collection	399947	C11orf87	NM_207645.3	Full Length 99-100% match
ccsbBroadEn_10119	ccsbBroad304_10119	454	BC133010	400073	C12orf76	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	400073	C12orf76	NM_207435.1	Full Length 99-100% match
ccsbBroadEn_10120	ccsbBroad304_10120		BC036540	400120	C13orf36	no errors	hORFeome V8.1 Collection	400120	C13orf36	NM_203451.2	Full Length 99-100% match
ccsbBroadEn_10121	ccsbBroad304_10121	454	BC041103	400258	C14orf180	no errors	hORFeome V8.1 Collection	400258	C14orf180	NM_001008404.1	Full Length 99-100% match
ccsbBroadEn_10122	ccsbBroad304_10122	454	BC137300	400360	C15orf54	1 synonymous error	hORFeome V8.1 Collection	400360	C15orf54	NM_207445.2	Full Length 99-100% match
ccsbBroadEn_10123	ccsbBroad304_10123	454	BC142651	400591	C17orf102	no errors	hORFeome V8.1 Collection	400591	C17orf102	NM_207454.2	Full Length 99-100% match
ccsbBroadEn_10124	ccsbBroad304_10124	454	BC057820	400629	TEX19	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	400629	TEX19	NM_207459.3	Full Length 99-100% match
ccsbBroadEn_10125	ccsbBroad304_10125	454	BC137161	400668	PRSSL1	no errors	hORFeome V8.1 Collection	400668	PRSSL1	NM_214710.3	Full Length 99-100% match
ccsbBroadEn_10126	ccsbBroad304_10126	454	BC090886	400757	C1orf141	no errors	hORFeome V8.1 Collection	400757	C1orf141	NM_001013674.1	Full Length 99-100% match
ccsbBroadEn_10127	ccsbBroad304_10127	454	BC157885	401124	DTHD1	no errors	hORFeome V8.1 Collection	401124	DTHD1	NM_001170700.1	Full Length 99-100% match
ccsbBroadEn_10128	ccsbBroad304_10128		BC121817	401138	AMTN	no errors	hORFeome V8.1 Collection	401138	AMTN	NM_212557.2	Full Length 99-100% match
ccsbBroadEn_10129	ccsbBroad304_10129	454	BC137267	401265	KLHL31	no errors	hORFeome V8.1 Collection	401265	KLHL31	NM_001003760.4	Full Length 99-100% match
ccsbBroadEn_10130	ccsbBroad304_10130		BC118596	401278	FLJ44955	no errors	hORFeome V8.1 Collection	100509631; 100289222	LOC100509631; LOC100289222	XM_003120017.1; XM_002342653.2; XM_003120536.1	Full Length 99-100% match
ccsbBroadEn_10131	ccsbBroad304_10131	454	BC140796	401409	RAB19	early stop codon	hORFeome V8.1 Mutant Subcollection	401409	RAB19	NM_001008749.2	Full Length 99-100% match
ccsbBroadEn_10132	ccsbBroad304_10132	454	BC136711	401427	OR2A7	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	79541; 401427	OR2A4; OR2A7	NM_030908.1; NM_001005328.1	Full Length 99-100% match
ccsbBroadEn_10133	ccsbBroad304_10133		BC132809	401563	C9orf139	no errors	hORFeome V8.1 Collection	401563	C9orf139	NM_207511.1	Full Length 99-100% match
ccsbBroadEn_10134	ccsbBroad304_10134	454	BC110810	401647	GOLGA7B	no errors	hORFeome V8.1 Collection	401647	GOLGA7B	NM_001010917.1	Full Length 99-100% match
ccsbBroadEn_10135	ccsbBroad304_10135	454	BC137188	401994	OR14I1	no errors	hORFeome V8.1 Collection	401994	OR14I1	NM_001004734.1	Full Length 99-100% match
ccsbBroadEn_10136	ccsbBroad304_10136	454	BC031861	402381	SOHLH1	no errors	hORFeome V8.1 Collection	402381	SOHLH1	NM_001012415.2	Full Length 99-100% match
ccsbBroadEn_10137	ccsbBroad304_10137	454	BC137010	402415	XKRX	no errors	hORFeome V8.1 Collection	402415	XKRX	NM_212559.2	Full Length 99-100% match
ccsbBroadEn_10138	ccsbBroad304_10138	454	BC067904	402682	UFSP1	no errors	hORFeome V8.1 Collection	402682	UFSP1	NM_001015072.3	Full Length 99-100% match
ccsbBroadEn_10139	ccsbBroad304_10139	454	BC136897	403282	OR6C65	no errors	hORFeome V8.1 Collection	403282	OR6C65	NM_001005518.1	Full Length 99-100% match
ccsbBroadEn_10140	ccsbBroad304_10140	454	BC038108	403313	PPAPDC2	no errors	hORFeome V8.1 Collection	403313	PPAPDC2	NM_203453.2	Full Length 99-100% match
ccsbBroadEn_10141	ccsbBroad304_10141		BC021711	403314	APOBEC4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	403314	APOBEC4	NM_203454.2	Full Length 99-100% match
ccsbBroadEn_10142	ccsbBroad304_10142	454	BC142644	404037	HAPLN4	early stop codon	hORFeome V8.1 Mutant Subcollection	404037	HAPLN4	NM_023002.2	Full Length 99-100% match
ccsbBroadEn_10143	ccsbBroad304_10143	454	BC056882	404093	CUEDC1	no errors	hORFeome V8.1 Collection	404093	CUEDC1	NM_017949.1	Full Length 99-100% match
ccsbBroadEn_10144	ccsbBroad304_10144		BC032003	404203	SPINK6	no errors	hORFeome V8.1 Collection	404203	SPINK6	NM_001195290.1; NM_205841.3	Full Length 99-100% match
ccsbBroadEn_10145	ccsbBroad304_10145		BC071680	414060	TBC1D3C	no errors	hORFeome V8.1 Collection	414060; 414059; 654341; 729873; 729877; 84218	TBC1D3C; TBC1D3B; TBC1D3G; TBC1D3F; TBC1D3H; TBC1D3F	NM_001001418.3; NM_001001417.5; NM_001040282.2; NM_001123391.2; NM_001123392.2; NM_032258.2	Full Length 99-100% match
ccsbBroadEn_10146	ccsbBroad304_10146		BC017590	414061	DNAJB3	no errors	hORFeome V8.1 Collection	414061	DNAJB3	NM_001001394.3	Full Length 99-100% match
ccsbBroadEn_10147	ccsbBroad304_10147		BC007783	414062	CCL3L3	no errors	hORFeome V8.1 Collection	6349; 414062	CCL3L1; CCL3L3	NM_021006.4; NM_001001437.3	Full Length 99-100% match
ccsbBroadEn_10148	ccsbBroad304_10148		BC029526	414149	ACBD7	no errors	hORFeome V8.1 Collection	414149	ACBD7	NM_001039844.2	Full Length 99-100% match
ccsbBroadEn_10149	ccsbBroad304_10149		BC037252	414157	C10orf62	no errors	hORFeome V8.1 Collection	414157	C10orf62	NM_001009997.2	Full Length 99-100% match
ccsbBroadEn_10150	ccsbBroad304_10150		BC021172,BC021710	414301	DD11	no errors	hORFeome V8.1 Collection	414301	DD11	NM_001001711.2	Full Length 99-100% match
ccsbBroadEn_10151	ccsbBroad304_10151		BC022017,BC022018	414301	DD11	no errors	hORFeome V8.1 Collection	414301	DD11	NM_001001711.2	Full Length 99-100% match
ccsbBroadEn_10152	ccsbBroad304_10152		BC132699,BC132701	414318	C9orf106	no errors	hORFeome V8.1 Collection	414318	C9orf106	NM_001012715.3	Full Length 99-100% match
ccsbBroadEn_10153	ccsbBroad304_10153	454	BC133045	414332	LCN10	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	414332	LCN10	NM_001001712.2	Full Length 99-100% match
ccsbBroadEn_10154	ccsbBroad304_10154		BC031069	414918	FAM116B	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	414918	FAM116B	NM_001001794.3	Full Length 99-100% match
ccsbBroadEn_10155	ccsbBroad304_10155		CCSB53260	415116	PIM3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	415116	PIM3	NM_001001852.3	Full Length 99-100% match
ccsbBroadEn_10156	ccsbBroad304_10156		BC107127	431705	ASTL	no errors	hORFeome V8.1 Collection	431705	ASTL	NM_001002036.3	Full Length 99-100% match
ccsbBroadEn_10157	ccsbBroad304_10157		BC040321	431707	LHX8	no errors	hORFeome V8.1 Collection	431707	LHX8	NM_001001933.1	Full Length 99-100% match
ccsbBroadEn_10158	ccsbBroad304_10158	454	BC137368	439996	IFIT1B	no errors	hORFeome V8.1 Collection	439996	IFIT1B	NM_001010987.2	Full Length 99-100% match
ccsbBroadEn_10159	ccsbBroad304_10159		BC066906	440093	H3F3C	no errors	hORFeome V8.1 Collection	440093	H3F3C	NM_001013699.2	Full Length 99-100% match
ccsbBroadEn_10160	ccsbBroad304_10160	454	BC137086	440107	PLEKHG7	no errors	hORFeome V8.1 Collection	440107	PLEKHG7	NM_001004330.2	Full Length 99-100% match
ccsbBroadEn_10161	ccsbBroad304_10161		CCSB53381	440138	ALG11	3 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	440138	ALG11	NM_001004127.2	Full Length 99-100% match
ccsbBroadEn_10162	ccsbBroad304_10162		BC125183	440145	MZT1	no errors	hORFeome V8.1 Collection	440145	MZT1	NM_001017775.2	Full Length 99-100% match
ccsbBroadEn_10163	ccsbBroad304_10163		BC131524	440503	PLIN5	no errors	hORFeome V8.1 Collection	440503	PLIN5	NM_001013706.2	Full Length 99-100% match
ccsbBroadEn_10164	ccsbBroad304_10164		BC101342	440561	PRAMEF6	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	343068; 440561	PRAMEF5; PRAMEF6	NM_001013407.1; NM_001010889.2	Full Length 99-100% match
ccsbBroadEn_10165	ccsbBroad304_10165	454	BC157858	440563	LOC440563	no errors	hORFeome V8.1 Collection	440563	LOC440563	NM_001136561.2	Full Length 99-100% match
ccsbBroadEn_10166	ccsbBroad304_10166		BC127719	440603	BCL2L15	no errors	hORFeome V8.1 Collection	440603	BCL2L15	NM_001010922.2	Full Length 99-100% match
ccsbBroadEn_10167	ccsbBroad304_10167		BC130299,BC130656	441108	C5orf56	no errors	hORFeome V8.1 Collection	441108	C5orf56	NM_001013717.1	Full Length 99-100% match
ccsbBroadEn_10168	ccsbBroad304_10168	454	BC142621	441376	C8orf85	early stop codon	hORFeome V8.1 Mutant Subcollection	441376	C8orf85	NM_001025357.2	Full Length 99-100% match
ccsbBroadEn_10169	ccsbBroad304_10169	454	BC146922	441631	TSPAN11	no errors	hORFeome V8.1 Collection	441631	TSPAN11	NM_001080509.2	Full Length 99-100% match
ccsbBroadEn_10170	ccsbBroad304_10170	454	BC136818	442184	OR2B3	1 synonymous error	hORFeome V8.1 Collection	442184	OR2B3	NM_001005226.2	Full Length 99-100% match
ccsbBroadEn_10171	ccsbBroad304_10171		BC066937	442578	STAG3L3	no errors	hORFeome V8.1 Collection	442582; 442578	STAG3L2; STAG3L3	NM_001025202.2; NM_001013739.2	Full Length 99-100% match
ccsbBroadEn_10172	ccsbBroad304_10172		CCSB53253	445571	CBWD3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	644019; 445571	CBWD6; CBWD3	NM_001085457.1; NM_201453.2	Full Length 99-100% match
ccsbBroadEn_10173	ccsbBroad304_10173		BC036722	474354	LRRC18	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	474354	LRRC18	NM_001006939.3	Full Length 99-100% match
ccsbBroadEn_10174	ccsbBroad304_10174	454	BC101409	474381	H2AFB2	no errors	hORFeome V8.1 Collection	83740; 474381	H2AFB3; H2AFB2	NM_080720.1; NM_001017991.1	Full Length 99-100% match
ccsbBroadEn_10175	ccsbBroad304_10175		BC128034	474382	H2AFB1	no errors	hORFeome V8.1 Collection	83740; 474381; 474382	H2AFB3; H2AFB2; H2AFB1	NM_080720.1; NM_001017991.1	Full Length 99-100% match
ccsbBroadEn_10176	ccsbBroad304_10176		BC029424	493869	GPX8	no errors	hORFeome V8.1 Collection	493869	GPX8	NM_001008397.2	Full Length 99-100% match
ccsbBroadEn_10177	ccsbBroad304_10177		BC017941	494143	CHAC2	no errors	hORFeome V8.1 Collection	494143	CHAC2	NM_001008708.2	Full Length 99-100% match
ccsbBroadEn_10178	ccsbBroad304_10178		BC028301	494514	C18orf56	no errors	hORFeome V8.1 Collection	494514	C18orf56	NM_001012716.2	Full Length 99-100% match
ccsbBroadEn_10179	ccsbBroad304_10179	454	BC140799	503497	MS4A13	no errors	hORFeome V8.1 Collection	503497	MS4A13	NM_001012417.2	Full Length 99-100% match
ccsbBroadEn_10180	ccsbBroad304_10180		CCSB53385	542767	PCOTH	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	542767	PCOTH	NM_001014442.2	Full Length 99-100% match
ccsbBroadEn_10181	ccsbBroad304_10181	454	BC048318	548645	DNAJC25	no errors	hORFeome V8.1 Collection	548645	DNAJC25	NM_001015882.2	Full Length 99-100% match
ccsbBroadEn_10182	ccsbBroad304_10182		BC012561	553115	PEF1	no errors	hORFeome V8.1 Collection	553115	PEF1	NM_012392.3	Full Length 99-100% match
ccsbBroadEn_10183	ccsbBroad304_10183		BC029609	554206	LOC554206	no errors	hORFeome V8.1 Collection	100508370	LOC100508370	XM_003119659.1	Full Length 99-100% match
ccsbBroadEn_10184	ccsbBroad304_10184		BC066359	554235	ASPDH	no errors	hORFeome V8.1 Collection	554235	ASPDH	NM_001024656.2	Full Length 99-100% match
ccsbBroadEn_10185	ccsbBroad304_10185	454	BC136669	619189	SERINC4	no errors	hORFeome V8.1 Collection	619189	SERINC4	NM_001033517.1	Full Length 99-100% match
ccsbBroadEn_10186	ccsbBroad304_10186		BC063705	641649	TMEM91	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	641649	TMEM91	NM_001042595.2	Full Length 99-100% match
ccsbBroadEn_10187	ccsbBroad304_10187	454	BC137112	642938	FAM196A	no errors	hORFeome V8.1 Collection	642938	FAM196A	NM_001039762.2	Full Length 99-100% match



ccsbBroadEn_10188	ccsbBroad304_10188		BC130376,BC130378	644591	PPIAL4G	no errors	hORFeome V8.1 Collection	644591	PPIAL4G	NM_001123068.1	Full Length 99-100% match
ccsbBroadEn_10189	ccsbBroad304_10189		BC127863	645104	CLRN2	no errors	hORFeome V8.1 Collection	645104	CLRN2	NM_001079827.2	Full Length 99-100% match
ccsbBroadEn_10190	ccsbBroad304_10190		BC002816	653361	NCF1	no errors	hORFeome V8.1 Collection	653361	NCF1	NM_000265.4	Full Length 99-100% match
ccsbBroadEn_10191	ccsbBroad304_10191		BC103887	653404	FOXD4L6	no errors	hORFeome V8.1 Collection	653404; 286380	FOXD4L6; FOXD4L3	NM_001085476.1; NM_199135.4	Full Length 99-100% match
ccsbBroadEn_10192	ccsbBroad304_10192	454	BC157895	653437	AQP12B	no errors	hORFeome V8.1 Collection	653437	AQP12B	NM_001102467.1	Full Length 99-100% match
ccsbBroadEn_10193	ccsbBroad304_10193	454	BC061588	653499	LGALS7B	no errors	hORFeome V8.1 Collection	653499; 3963	LGALS7B; LGALS7	NM_001042507.3; NM_002307.3	Full Length 99-100% match
ccsbBroadEn_10194	ccsbBroad304_10194	454	BC071700	653689	GSTT2B	no errors	hORFeome V8.1 Collection	653689; 2953	GSTT2B; GSTT2	NM_001080843.2; NM_000854.3	Full Length 99-100% match
ccsbBroadEn_10195	ccsbBroad304_10195		BC073889	654346	LGALS9C	no errors	hORFeome V8.1 Collection	654346	LGALS9C	NM_001040078.2	Full Length 99-100% match
ccsbBroadEn_10196	ccsbBroad304_10196	454	BC075016	728137	TSPY3	no errors	hORFeome V8.1 Collection	7258; 64591; 728137; 100289087; 728403	TSPY1; TSPY2; TSPY3; TSPY10; TSPY8	NM_003308.3; NM_022573.2; NM_001077697.2; XM_002344198.2; XM_001127004.4	Full Length 99-100% match
ccsbBroadEn_10197	ccsbBroad304_10197	454	BC110653	728661	SLC35E2B	no errors	hORFeome V8.1 Collection	728661	SLC35E2B	NM_001110781.1	Full Length 99-100% match
ccsbBroadEn_10198	ccsbBroad304_10198		BC069393	728712	SPANXA2	no errors	hORFeome V8.1 Collection	30014; 728712	SPANXA1; SPANXA2	NM_013453.2; NM_145662.2	Full Length 99-100% match
ccsbBroadEn_10199	ccsbBroad304_10199	454	BC110823	728957	ZNF705D	no errors	hORFeome V8.1 Collection	728957	ZNF705D	NM_001039615.3	Full Length 99-100% match
ccsbBroadEn_10200	ccsbBroad304_10200	454	BC074751	729230	CCR2	1 synonymous error	hORFeome V8.1 Collection	729230	CCR2	NM_001123041.2	Full Length 99-100% match
ccsbBroadEn_10201	ccsbBroad304_10201	454	BC111571	729238	SFTPA2	no errors	hORFeome V8.1 Collection	729238	SFTPA2	NM_001098668.2	Full Length 99-100% match
ccsbBroadEn_10202	ccsbBroad304_10202		BC010931	729991	LOC729991	no errors	hORFeome V8.1 Collection	729991	LOC729991	NM_001145784.1	Full Length 99-100% match
ccsbBroadEn_10203	ccsbBroad304_10203	454	BC039540	768211	RELL1	no errors	hORFeome V8.1 Collection	768211	RELL1	NM_001085400.1; NM_001085399.1	Full Length 99-100% match
ccsbBroadEn_10204	ccsbBroad304_10204	454	BC157833	100128927	ZBTB42	no errors	hORFeome V8.1 Collection	100128927	ZBTB42	NM_001137601.1	Full Length 99-100% match
ccsbBroadEn_10205	ccsbBroad304_10205		BC016486	3964	LGALS8	no errors	hORFeome V8.1 Collection	3964	LGALS8	NM_201543.1; NM_201544.1	Near full length(>99%); 100% match
ccsbBroadEn_10206	ccsbBroad304_10206		BC008019	7203	CCT3	no errors	hORFeome V8.1 Collection	7203	CCT3	NM_005998.4	Near full length(>99%); 100% match
ccsbBroadEn_10207	ccsbBroad304_10207		BC031791	10613	ERLIN1	no errors	hORFeome V8.1 Collection	10613	ERLIN1	NM_001100626.1; NM_006459.3	Near full length(>99%); 100% match
ccsbBroadEn_10208	ccsbBroad304_10208		BC021290	10644	IGF2BP2	no errors	hORFeome V8.1 Collection	10644	IGF2BP2	NM_006548.4	Near full length(>99%); 100% match
ccsbBroadEn_10209	ccsbBroad304_10209		BC002832,BC020214	11118	BTN3A2	no errors	hORFeome V8.1 Collection	11118	BTN3A2	NM_001197246.1; NM_001197247.1; NM_007047.3	Near full length(>99%); 100% match
ccsbBroadEn_10210	ccsbBroad304_10210		BC001740	51280	GOLM1	no errors	hORFeome V8.1 Collection	51280	GOLM1	NM_016548.3; NM_177937.2	Near full length(>99%); 100% match
ccsbBroadEn_10211	ccsbBroad304_10211		BC030688	54878	DPP8	no errors	hORFeome V8.1 Collection	54878	DPP8	NM_197961.2	Near full length(>99%); 100% match
ccsbBroadEn_10212	ccsbBroad304_10212		BC036890	57822	GRHL3	no errors	hORFeome V8.1 Collection	57822	GRHL3	NM_001195010.1	Near full length(>99%); 100% match
ccsbBroadEn_10213	ccsbBroad304_10213		BC003536	79413	ZBED2	no errors	hORFeome V8.1 Collection	79413	ZBED2	NM_024508.3	Near full length(>99%); 100% match
ccsbBroadEn_10214	ccsbBroad304_10214		BC036940	84186	ZCCHC7	no errors	hORFeome V8.1 Collection	84186	ZCCHC7	NM_032226.2	Near full length(>99%); 100% match
ccsbBroadEn_10215	ccsbBroad304_10215		BC012790,BC014160	115572	FAM46B	no errors	hORFeome V8.1 Collection	115572	FAM46B	NM_052943.3	Near full length(>99%); 100% match
ccsbBroadEn_10216	ccsbBroad304_10216		BC043152	124626	ZPBP2	no errors	hORFeome V8.1 Collection	124626	ZPBP2	NM_198844.2	Near full length(>99%); 100% match
ccsbBroadEn_10217	ccsbBroad304_10217		BC035763	149371	EXOC8	no errors	hORFeome V8.1 Collection	149371	EXOC8	NM_175876.3	Near full length(>99%); 100% match
ccsbBroadEn_10218	ccsbBroad304_10218		BC108890	152503	SH3D19	no errors	hORFeome V8.1 Collection	152503	SH3D19	NM_001128923.1	Near full length(>99%); 100% match
ccsbBroadEn_10219	ccsbBroad304_10219		BC024188	285237	C3orf38	no errors	hORFeome V8.1 Collection	285237	C3orf38	NM_173824.3	Near full length(>99%); 100% match
ccsbBroadEn_10220	ccsbBroad304_10220		BC021245	172	AFG3L1P	no errors	hORFeome V8.1 Collection	172	AFG3L1P	NR_003226.1; NR_003228.1	100% match to non-coding
ccsbBroadEn_10221	ccsbBroad304_10221		BC106901	670	BPHL	no errors	hORFeome V8.1 Collection	670	BPHL	NR_026650.1	100% match to non-coding
ccsbBroadEn_10222	ccsbBroad304_10222		BC031896	1149	CIDEA	no errors	hORFeome V8.1 Collection	1149	CIDEA	NR_036468.1	100% match to non-coding
ccsbBroadEn_10223	ccsbBroad304_10223		BC041174	1556	CYP2B7P1	no errors	hORFeome V8.1 Collection	1556	CYP2B7P1	NR_001278.1	100% match to non-coding
ccsbBroadEn_10224	ccsbBroad304_10224		BC073777	2498	FTH1P3	no errors	hORFeome V8.1 Collection	2498	FTH1P3	NR_002201.1	100% match to non-coding
ccsbBroadEn_10225	ccsbBroad304_10225		BC051337	3581	IL9R	no errors	hORFeome V8.1 Collection	3581	IL9R	NR_024033.1	100% match to non-coding
ccsbBroadEn_10226	ccsbBroad304_10226		BC036839	4337	MOCS1	no errors	hORFeome V8.1 Collection	4337	MOCS1	NR_033233.1	100% match to non-coding
ccsbBroadEn_10227	ccsbBroad304_10227		BC008688	7639	ZNF85	no errors	hORFeome V8.1 Collection	7639	ZNF85	NR_034060.1	100% match to non-coding
ccsbBroadEn_10228	ccsbBroad304_10228		BC032500	8418	CMAH	no errors	hORFeome V8.1 Collection	8418	CMAH	NR_027626.1	100% match to non-coding
ccsbBroadEn_10229	ccsbBroad304_10229		BC019047	8742	TNFSF12	no errors	hORFeome V8.1 Collection	8742	TNFSF12	NR_037146.1	100% match to non-coding
ccsbBroadEn_10230	ccsbBroad304_10230		BC121129	8859	STK19	no errors	hORFeome V8.1 Collection	8859	STK19	NR_026717.1	100% match to non-coding
ccsbBroadEn_10231	ccsbBroad304_10231		BC009362	9869	SETDB1	no errors	hORFeome V8.1 Collection	9869	SETDB1	NR_026977.1	100% match to non-coding
ccsbBroadEn_10232	ccsbBroad304_10232		BC001625	10954	PDIA5	no errors	hORFeome V8.1 Collection	10954	PDIA5	NR_028444.1	100% match to non-coding
ccsbBroadEn_10233	ccsbBroad304_10233		BC098111	25859	PART1	no errors	hORFeome V8.1 Collection	25859	PART1	NR_024617.1; NR_028508.1; NR_028509.1	100% match to non-coding
ccsbBroadEn_10234	ccsbBroad304_10234		BC125038	26138	C8orf71	no errors	hORFeome V8.1 Collection	26138	C8orf71	NR_026772.1	100% match to non-coding
ccsbBroadEn_10235	ccsbBroad304_10235		BC027853	26238	C6orf123	no errors	hORFeome V8.1 Collection	26238	C6orf123	NR_026773.1	100% match to non-coding
ccsbBroadEn_10236	ccsbBroad304_10236		BC101124,BC117297	27160	INGX	no errors	hORFeome V8.1 Collection	27160	INGX	NR_002226.2	100% match to non-coding
ccsbBroadEn_10237	ccsbBroad304_10237		BC016278	29931	LOH3CR2A	no errors	hORFeome V8.1 Collection	29931	LOH3CR2A	NR_024065.1	100% match to non-coding
ccsbBroadEn_10238	ccsbBroad304_10238		BC117397,BC117399	54067	C21orf49	no errors	hORFeome V8.1 Collection	54067	C21orf49	NR_024622.1; NR_024623.1	100% match to non-coding
ccsbBroadEn_10239	ccsbBroad304_10239		BC011547,BC012929	54581	SCAND2	no errors	hORFeome V8.1 Collection	54581	SCAND2	NR_003654.2	100% match to non-coding
ccsbBroadEn_10240	ccsbBroad304_10240		BC051874	54677	CROT	no errors	hORFeome V8.1 Collection	54677	CROT	NR_026585.1	100% match to non-coding
ccsbBroadEn_10241	ccsbBroad304_10241		BC036222	54757	FAM20A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	54757	FAM20A	NR_027751.1	100% match to non-coding
ccsbBroadEn_10242	ccsbBroad304_10242		BC037986	55000	TUG1	no errors	hORFeome V8.1 Collection	55000	TUG1	NR_002323.1	100% match to non-coding
ccsbBroadEn_10243	ccsbBroad304_10243		BC014184	55269	PSPC1	no errors	hORFeome V8.1 Collection	55269	PSPC1	NR_003272.1	100% match to non-coding
ccsbBroadEn_10244	ccsbBroad304_10244		BC098159	55539	KCNQ1DN	no errors	hORFeome V8.1 Collection	55539	KCNQ1DN	NR_024627.1	100% match to non-coding
ccsbBroadEn_10245	ccsbBroad304_10245		BC104241	58483	C9orf27	no errors	hORFeome V8.1 Collection	58483	C9orf27	NR_024032.1	100% match to non-coding
ccsbBroadEn_10246	ccsbBroad304_10246		BC119702	65996	MGC2752	no errors	hORFeome V8.1 Collection	65996	MGC2752	NR_026052.1	100% match to non-coding
ccsbBroadEn_10247	ccsbBroad304_10247		BC000203	78998	C8orf51	no errors	hORFeome V8.1 Collection	78998	C8orf51	NR_026785.1	100% match to non-coding
ccsbBroadEn_10248	ccsbBroad304_10248		BC000849	79015	LOC79015	no errors	hORFeome V8.1 Collection	79015	LOC79015	NR_034104.1	100% match to non-coding
ccsbBroadEn_10249	ccsbBroad304_10249		BC002831	79160	MGC4294	no errors	hORFeome V8.1 Collection	79160	MGC4294	XR_109628.1; XR_112170.1; XR_115388.1	100% match to non-coding
ccsbBroadEn_10250	ccsbBroad304_10250		BC008299	79686	C14orf139	no errors	hORFeome V8.1 Collection	79686	C14orf139	NR_026779.1	100% match to non-coding
ccsbBroadEn_10251	ccsbBroad304_10251		BC012056	79754	ASB13	no errors	hORFeome V8.1 Collection	79754	ASB13	NR_037164.1	100% match to non-coding
ccsbBroadEn_10252	ccsbBroad304_10252		BC118637	79857	FLJ13224	no errors	hORFeome V8.1 Collection	79857	FLJ13224	NR_026806.1	100% match to non-coding
ccsbBroadEn_10253	ccsbBroad304_10253		BC117377,BC117379	79868	ALG13	no errors	hORFeome V8.1 Collection	79868	ALG13	NR_033124.1; NR_033128.1; NR_033131.1	100% match to non-coding
ccsbBroadEn_10254	ccsbBroad304_10254		BC098116	79963	ABCA11P	no errors	hORFeome V8.1 Collection	79963	ABCA11P	NR_002451.2	100% match to non-coding
ccsbBroadEn_10255	ccsbBroad304_10255		BC101251	80069	C6orf208	no errors	hORFeome V8.1 Collection	80069	C6orf208	NR_026780.1	100% match to non-coding
ccsbBroadEn_10256	ccsbBroad304_10256		BC013100	80094	FLJ14107	no errors	hORFeome V8.1 Collection	80094	FLJ14107	NR_027715.1	100% match to non-coding
ccsbBroadEn_10257	ccsbBroad304_10257		BC007811	80154	LOC80154	no errors	hORFeome V8.1 Collection	642423	LOC642423	XR_109212.1; XR_109213.1	100% match to non-coding



ccsbBroadEn_10258	ccsbBroad304_10258		BC110570	80350	LPAL2	no errors	hORFeome V8.1 Collection	80350	LPAL2	NR_028092.1; NR_028093.1	100% match to non-coding
ccsbBroadEn_10259	ccsbBroad304_10259		BC103988	81698	C15orf5	no errors	hORFeome V8.1 Collection	81698	C15orf5	NR_026813.1	100% match to non-coding
ccsbBroadEn_10260	ccsbBroad304_10260		BC013422	81790	RNF170	no errors	hORFeome V8.1 Collection	81790	RNF170	NR_027668.1; NR_027669.1	100% match to non-coding
ccsbBroadEn_10261	ccsbBroad304_10261		BC121099	81854	MGC3771	no errors	hORFeome V8.1 Collection	81854	MGC3771	NR_024166.1; NR_024167.1	100% match to non-coding
ccsbBroadEn_10262	ccsbBroad304_10262		BC125190	83956	RACGAP1P	no errors	hORFeome V8.1 Collection	83956	RACGAP1P	NR_026583.1	100% match to non-coding
ccsbBroadEn_10263	ccsbBroad304_10263		BC128150	83957	FKSG43	no errors	hORFeome V8.1 Collection	83957	FKSG43	NR_033742.1	100% match to non-coding
ccsbBroadEn_10264	ccsbBroad304_10264		BC005058	84278	HIATL2	no errors	hORFeome V8.1 Collection	84278	HIATL2	NR_002894.1	100% match to non-coding
ccsbBroadEn_10265	ccsbBroad304_10265		BC101235	84536	C21orf67	no errors	hORFeome V8.1 Collection	84536	C21orf67	NR_027128.1	100% match to non-coding
ccsbBroadEn_10266	ccsbBroad304_10266		BC132802,BC132804	84657	C3orf42	no errors	hORFeome V8.1 Collection	84657	C3orf42	NR_026829.1	100% match to non-coding
ccsbBroadEn_10267	ccsbBroad304_10267		BC015981	84677	DSCR8	no errors	hORFeome V8.1 Collection	84677	DSCR8	NR_026842.1	100% match to non-coding
ccsbBroadEn_10268	ccsbBroad304_10268		BC117304,BC117330	84677	DSCR8	no errors	hORFeome V8.1 Collection	84677	DSCR8	NR_026841.1	100% match to non-coding
ccsbBroadEn_10269	ccsbBroad304_10269		BC004397	84740	AFAP1-AS1	no errors	hORFeome V8.1 Collection	84740	AFAP1-AS1	NR_026892.1	100% match to non-coding
ccsbBroadEn_10270	Failed LR reaction		BC005997	84791	C1orf97	no errors	hORFeome V8.1 Collection	84791	C1orf97	NR_026761.2	100% match to non-coding
ccsbBroadEn_10271	ccsbBroad304_10271		BC007072	84832	ANKRD36BP1	no errors	hORFeome V8.1 Collection	84832	ANKRD36BP1	NR_026844.1	100% match to non-coding
ccsbBroadEn_10272	ccsbBroad304_10272		BC007251	84837	C14orf128	no errors	hORFeome V8.1 Collection	84837	C14orf128	NR_027263.1	100% match to non-coding
ccsbBroadEn_10273	ccsbBroad304_10273		BC007366	84850	C9orf70	no errors	hORFeome V8.1 Collection	84850	C9orf70	NR_026663.1	100% match to non-coding
ccsbBroadEn_10274	ccsbBroad304_10274		BC041043	84897	TBRG1	no errors	hORFeome V8.1 Collection	84897	TBRG1	NR_016021.1	100% match to non-coding
ccsbBroadEn_10275	ccsbBroad304_10275		BC066366	84932	RAB2B	no errors	hORFeome V8.1 Collection	84932	RAB2B	NR_028074.1	100% match to non-coding
ccsbBroadEn_10276	ccsbBroad304_10276		BC007651	84973	SNHG7	no errors	hORFeome V8.1 Collection	84973	SNHG7	NR_003672.2	100% match to non-coding
ccsbBroadEn_10277	ccsbBroad304_10277		BC007928	84996	C21orf119	no errors	hORFeome V8.1 Collection	84996	C21orf119	NR_026845.1	100% match to non-coding
ccsbBroadEn_10278	ccsbBroad304_10278		BC008026	85009	MGC16025	no errors	hORFeome V8.1 Collection	85009	MGC16025	NR_026664.1	100% match to non-coding
ccsbBroadEn_10279	ccsbBroad304_10279		BC055414	86614	HSFY1	no errors	hORFeome V8.1 Collection	159119; 86614	HSFY2; HSFY1	NR_003509.1; NR_003510.1	100% match to non-coding
ccsbBroadEn_10280	ccsbBroad304_10280		BC033195	90011	KIR3DX1	no errors	hORFeome V8.1 Collection	90011	KIR3DX1	NR_026716.1	100% match to non-coding
ccsbBroadEn_10281	ccsbBroad304_10281		BC105716	91948	LOC91948	no errors	hORFeome V8.1 Collection	91948	LOC91948	NR_024173.1	100% match to non-coding
ccsbBroadEn_10282	ccsbBroad304_10282		BC012317	93082	NEURL3	no errors	hORFeome V8.1 Collection	93082	NEURL3	NR_026875.1	100% match to non-coding
ccsbBroadEn_10283	ccsbBroad304_10283		BC009508,BC010491	112597	NCRNA00152	no errors	hORFeome V8.1 Collection	112597	NCRNA00152	NR_024204.1; NR_024205.1	100% match to non-coding
ccsbBroadEn_10284	ccsbBroad304_10284		BC010523	113157	RPLP0P2	no errors	hORFeome V8.1 Collection	113157	RPLP0P2	NR_002775.2	100% match to non-coding
ccsbBroadEn_10285	ccsbBroad304_10285		BC107109	114038	C21orf84	no errors	hORFeome V8.1 Collection	114038	C21orf84	NR_026863.1	100% match to non-coding
ccsbBroadEn_10286	ccsbBroad304_10286		BC080530	114041	C21orf88	no errors	hORFeome V8.1 Collection	114041	C21orf88	NR_026543.1	100% match to non-coding
ccsbBroadEn_10287	ccsbBroad304_10287		BC101416	118421	NCRNA00161	no errors	hORFeome V8.1 Collection	118421	NCRNA00161	NR_026552.1; NR_026553.1	100% match to non-coding
ccsbBroadEn_10288	ccsbBroad304_10288		BC125139	118425	GDEP	no errors	hORFeome V8.1 Collection	118425	GDEP	NR_026555.1	100% match to non-coding
ccsbBroadEn_10289	ccsbBroad304_10289		BC029544	119369	NUDT9P1	no errors	hORFeome V8.1 Collection	119369	NUDT9P1	NR_002779.1	100% match to non-coding
ccsbBroadEn_10290	ccsbBroad304_10290		BC027986,BC040159	125144	NCRNA00188	no errors	hORFeome V8.1 Collection	125144	NCRNA00188	NR_027667.1	100% match to non-coding
ccsbBroadEn_10291	ccsbBroad304_10291		BC117490,BC126474	134466	ZNF300P1	no errors	hORFeome V8.1 Collection	134466	ZNF300P1	NR_026867.1	100% match to non-coding
ccsbBroadEn_10292	ccsbBroad304_10292		CCSB53141	139793	PAGE3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	139793	PAGE3	NR_033460.1	100% match to non-coding
ccsbBroadEn_10293	ccsbBroad304_10293		BC031631	142913	CFLP1	no errors	hORFeome V8.1 Collection	142913	CFLP1	NR_028492.1	100% match to non-coding
ccsbBroadEn_10294	ccsbBroad304_10294		BC104436	144360	C12orf67	no errors	hORFeome V8.1 Collection	144360	C12orf67	NR_029451.1	100% match to non-coding
ccsbBroadEn_10295	ccsbBroad304_10295		BC032382	146880	LOC146880	no errors	hORFeome V8.1 Collection	146880	LOC146880	NR_027487.2	100% match to non-coding
ccsbBroadEn_10296	ccsbBroad304_10296	454	BC093850	147341	C18orf23	no errors	hORFeome V8.1 Collection	147341	C18orf23	XR_111773.1	100% match to non-coding
ccsbBroadEn_10297	ccsbBroad304_10297		BC010538	147525	C18orf18	no errors	hORFeome V8.1 Collection	147525	C18orf18	NR_026849.1	100% match to non-coding
ccsbBroadEn_10298	ccsbBroad304_10298		BC026041	148046	C19orf23	no errors	hORFeome V8.1 Collection	148046	C19orf23	NR_027271.1	100% match to non-coding
ccsbBroadEn_10299	ccsbBroad304_10299		BC034499	148203	ZNF738	no errors	hORFeome V8.1 Collection	148203	ZNF738	NR_027130.1	100% match to non-coding
ccsbBroadEn_10300	ccsbBroad304_10300		BC112998	148413	LOC148413	no errors	hORFeome V8.1 Collection	148413	LOC148413	NR_015434.1	100% match to non-coding
ccsbBroadEn_10301	ccsbBroad304_10301		BC030279	148645	C1orf211	no errors	hORFeome V8.1 Collection	148645	C1orf211	XR_109862.1; XR_111921.1;	100% match to non-coding
ccsbBroadEn_10302	ccsbBroad304_10302		BC132806,BC132808	149934	C20orf191	no errors	hORFeome V8.1 Collection	149934	C20orf191	NR_003678.1	100% match to non-coding
ccsbBroadEn_10303	ccsbBroad304_10303		BC126176,BC126178	149992	ANKRD30BP2	no errors	hORFeome V8.1 Collection	149992	ANKRD30BP2	NR_026916.1	100% match to non-coding
ccsbBroadEn_10304	ccsbBroad304_10304		BC104251	150185	LOC150185	no errors	hORFeome V8.1 Collection	150185	LOC150185	NR_024381.1	100% match to non-coding
ccsbBroadEn_10305	ccsbBroad304_10305		BC117160,BC117186	150291	C22orf27	no errors	hORFeome V8.1 Collection	150291	C22orf27	NR_026920.1	100% match to non-coding
ccsbBroadEn_10306	ccsbBroad304_10306		BC113374	150538	FLJ32063	no errors	hORFeome V8.1 Collection	150538	FLJ32063	NR_026830.1	100% match to non-coding
ccsbBroadEn_10307	ccsbBroad304_10307		BC121084	151300	LOC151300	no errors	hORFeome V8.1 Collection	151300	LOC151300	NR_015390.1; NR_024385.1	100% match to non-coding
ccsbBroadEn_10308	ccsbBroad304_10308		BC033054	151477	C2orf52	no errors	hORFeome V8.1 Collection	151477	C2orf52	NR_024079.1	100% match to non-coding
ccsbBroadEn_10309	ccsbBroad304_10309		BC009264	151534	LOC151534	no errors	hORFeome V8.1 Collection	151534	LOC151534	NR_024606.1	100% match to non-coding
ccsbBroadEn_10310	ccsbBroad304_10310		BC015593	152195	NUDT16P1	no errors	hORFeome V8.1 Collection	152195	NUDT16P1	NR_002949.2; NR_027766.1	100% match to non-coding
ccsbBroadEn_10311	ccsbBroad304_10311		BC101385	153684	LOC153684	no errors	hORFeome V8.1 Collection	153684	LOC153684	NR_015447.1	100% match to non-coding
ccsbBroadEn_10312	ccsbBroad304_10312		BC032958	154089	MGC34034	no errors	hORFeome V8.1 Collection	154089	MGC34034	NR_027029.1	100% match to non-coding
ccsbBroadEn_10313	ccsbBroad304_10313		BC010183	155370	SBDSP1	no errors	hORFeome V8.1 Collection	155370	SBDSP1	NR_001588.2; NR_024110.1	100% match to non-coding
ccsbBroadEn_10314	ccsbBroad304_10314		BC029562	157556	C8orf56	no errors	hORFeome V8.1 Collection	157556	C8orf56	NR_027071.1	100% match to non-coding
ccsbBroadEn_10315	ccsbBroad304_10315		BC071987	158160	HSD17B7P2	no errors	hORFeome V8.1 Collection	158160	HSD17B7P2	NR_003086.1	100% match to non-coding
ccsbBroadEn_10316	ccsbBroad304_10316		BC130448,BC130450	158381	ATP8B5P	no errors	hORFeome V8.1 Collection	158381	ATP8B5P	NR_003582.1	100% match to non-coding
ccsbBroadEn_10317	ccsbBroad304_10317		BC008050	158435	LOC158435	no errors	hORFeome V8.1 Collection	158435	LOC158435	NR_033838.1	100% match to non-coding
ccsbBroadEn_10318	ccsbBroad304_10318		BC113730,BC113732	158801	NKAPP1	no errors	hORFeome V8.1 Collection	158801	NKAPP1	NR_027131.1	100% match to non-coding
ccsbBroadEn_10319	ccsbBroad304_10319		BC026077	159162	RBMY2FP	no errors	hORFeome V8.1 Collection	159162	RBMY2FP	NR_002193.1	100% match to non-coding
ccsbBroadEn_10320	ccsbBroad304_10320		BC103935	160428	ALDH1L2	no errors	hORFeome V8.1 Collection	160428	ALDH1L2	NR_027752.1	100% match to non-coding
ccsbBroadEn_10321	ccsbBroad304_10321		BC026077	163742	FLJ40434	no errors	hORFeome V8.1 Collection	163742	FLJ40434	NR_002314.3	100% match to non-coding
ccsbBroadEn_10322	ccsbBroad304_10322		BC032490	169981	SPIN3	no errors	hORFeome V8.1 Collection	169981	SPIN3	NR_027139.1	100% match to non-coding
ccsbBroadEn_10323	ccsbBroad304_10323		BC030801	197196	TMEM148	no errors	hORFeome V8.1 Collection	197196	TMEM148	XR_109330.1; XR_115032.1	100% match to non-coding
ccsbBroadEn_10324	ccsbBroad304_10324		BC073870	201283	AMZ2P1	no errors	hORFeome V8.1 Collection	201283	AMZ2P1	NR_026903.1	100% match to non-coding
ccsbBroadEn_10325	ccsbBroad304_10325		BC058822	204010	RPSAP52	no errors	hORFeome V8.1 Collection	204010	RPSAP52	NR_026825.1	100% match to non-coding
ccsbBroadEn_10326	ccsbBroad304_10326		BC029565	221241	C18orf20	no errors	hORFeome V8.1 Collection	221241	C18orf20	NR_027245.1	100% match to non-coding
ccsbBroadEn_10327	ccsbBroad304_10327		BC015543,BC126996	222699	LOC222699	no errors	hORFeome V8.1 Collection	222699	LOC222699	NR_002936.2	100% match to non-coding
ccsbBroadEn_10328	ccsbBroad304_10328		BC126226,BC126230	246705	C21orf94	no errors	hORFeome V8.1 Collection	246705	C21orf94	NR_027246.1	100% match to non-coding
ccsbBroadEn_10329	ccsbBroad304_10329		BC106918	255167	LOC255167	no errors	hORFeome V8.1 Collection	255167	LOC255167	NR_024424.1	100% match to non-coding
ccsbBroadEn_10330	ccsbBroad304_10330		BC042038	255330	C3orf46	no errors	hORFeome V8.1 Collection	255330	C3orf46	NR_034158.1	100% match to non-coding
ccsbBroadEn_10331	ccsbBroad304_10331		BC026177	256355	RPS2P32	no errors	hORFeome V8.1 Collection	256355	RPS2P32	NR_026676.1	100% match to non-coding
ccsbBroadEn_10332	ccsbBroad304_10332		BC032470	256356	GK5	no errors	hORFeome V8.1 Collection	256356	GK5	NR_033289.1	100% match to non-coding
ccsbBroadEn_10333	ccsbBroad304_10333		BC021728	256369	C14orf48	no errors	hORFeome V8.1 Collection	256369	C14orf48	NR_024184.1	100% match to non-coding



ccsbBroadEn_10338	ccsbBroad304_10338		BC101266	283651	HMGN2P46	no errors	hORFeome V8.1 Collection	283651	HMGN2P46	NR_022014.1	100% match to non-coding
ccsbBroadEn_10339	ccsbBroad304_10339		BC101202	283687	C15orf37	no errors	hORFeome V8.1 Collection	283687	C15orf37	NR_028330.1	100% match to non-coding
ccsbBroadEn_10340	ccsbBroad304_10340		BC020234	283693	LOC283693	no errors	hORFeome V8.1 Collection	283693	LOC283693	NR_036446.1	100% match to non-coding
ccsbBroadEn_10341	ccsbBroad304_10341		BC125193	283768	GOLGA8G	no errors	hORFeome V8.1 Collection	100132565	GOLGA8F	NR_033351.1	100% match to non-coding
ccsbBroadEn_10342	ccsbBroad304_10342		BC063633	283970	PDXDC2P	no errors	hORFeome V8.1 Collection	283970	PDXDC2P	NR_003610.1	100% match to non-coding
ccsbBroadEn_10343	ccsbBroad304_10343		BC021740	284257	BOD1P	no errors	hORFeome V8.1 Collection	284257	BOD1P	NR_033372.1	100% match to non-coding
ccsbBroadEn_10344	ccsbBroad304_10344		BC121150	284276	LOC284276	no errors	hORFeome V8.1 Collection	284276	LOC284276	NR_015417.1	100% match to non-coding
ccsbBroadEn_10345	ccsbBroad304_10345		BC125144	284688	LOC284688	no errors	hORFeome V8.1 Collection	284688	LOC284688	NR_026957.1	100% match to non-coding
ccsbBroadEn_10346	ccsbBroad304_10346		BC122555	284749	LOC284749	no errors	hORFeome V8.1 Collection	284749	LOC284749	NR_026958.1	100% match to non-coding
ccsbBroadEn_10347	ccsbBroad304_10347		BC128187	284836	C21orf125	no errors	hORFeome V8.1 Collection	284836	C21orf125	NR_026960.1	100% match to non-coding
ccsbBroadEn_10348	ccsbBroad304_10348		BC065556	284942	RPL23AP82	no errors	hORFeome V8.1 Collection	284942	RPL23AP82	NR_026981.1; NR_026982.1	100% match to non-coding
ccsbBroadEn_10349	ccsbBroad304_10349		BC121144	285045	LOC285045	no errors	hORFeome V8.1 Collection	285045	LOC285045	NR_027098.1	100% match to non-coding
ccsbBroadEn_10350	ccsbBroad304_10350		BC031410	285154	C2orf58	no errors	hORFeome V8.1 Collection	285154	C2orf58	NR_027252.1	100% match to non-coding
ccsbBroadEn_10351	ccsbBroad304_10351		BC053624	286016	TP1P2	no errors	hORFeome V8.1 Collection	286016	TP1P2	NR_002187.3	100% match to non-coding
ccsbBroadEn_10352	ccsbBroad304_10352		BC122544	286103	C8orf77	no errors	hORFeome V8.1 Collection	286103	C8orf77	NR_026974.1	100% match to non-coding
ccsbBroadEn_10353	ccsbBroad304_10353		BC130315,BC130317	326343	MT1DP	no errors	hORFeome V8.1 Collection	326343	MT1DP	NR_027781.1	100% match to non-coding
ccsbBroadEn_10354	ccsbBroad304_10354		BC106916	337875	HIST2H2BA	no errors	hORFeome V8.1 Collection	337875	HIST2H2BA	NR_027337.1	100% match to non-coding
ccsbBroadEn_10355	ccsbBroad304_10355		BC105688	339788	LOC339788	no errors	hORFeome V8.1 Collection	339788	LOC339788	NR_015405.1	100% match to non-coding
ccsbBroadEn_10356	ccsbBroad304_10356		BC121112	340017	LOC340017	no errors	hORFeome V8.1 Collection	340017	LOC340017	NR_026992.1	100% match to non-coding
ccsbBroadEn_10357	ccsbBroad304_10357		BC113532,BC113534	340094	LOC340094	no errors	hORFeome V8.1 Collection	340094	LOC340094	NR_026994.1	100% match to non-coding
ccsbBroadEn_10358	ccsbBroad304_10358		BC101204	340811	AKR1CL1	no errors	hORFeome V8.1 Collection	340811	AKR1CL1	NR_027916.1	100% match to non-coding
ccsbBroadEn_10359	ccsbBroad304_10359		BC067110	347694	ECEL1P2	no errors	hORFeome V8.1 Collection	347694	ECEL1P2	NR_028501.1	100% match to non-coding
ccsbBroadEn_10360	ccsbBroad304_10360		BC068601	349152	DPY19L2P2	no errors	hORFeome V8.1 Collection	349152	DPY19L2P2	NR_027768.1	100% match to non-coding
ccsbBroadEn_10361	ccsbBroad304_10361		BC011872	360132	FKBP9L	no errors	hORFeome V8.1 Collection	360132	FKBP9L	NR_003949.1; NR_027339.1; NR_027340.1	100% match to non-coding
ccsbBroadEn_10362	ccsbBroad304_10362		BC030568	376693	RPS10P7	no errors	hORFeome V8.1 Collection	376693	RPS10P7	NR_026667.1	100% match to non-coding
ccsbBroadEn_10363	ccsbBroad304_10363		BC034017,BC050737	387036	GUSBL1	no errors	hORFeome V8.1 Collection	653188	GUSBP3	NR_027386.1	100% match to non-coding
ccsbBroadEn_10364	ccsbBroad304_10364		BC112977	387628	KGFLP1	no errors	hORFeome V8.1 Collection	654466	KGFLP2	NR_003670.1	100% match to non-coding
ccsbBroadEn_10365	ccsbBroad304_10365		BC122868	388387	LOC388387	no errors	hORFeome V8.1 Collection	388387	LOC388387	NR_027254.1	100% match to non-coding
ccsbBroadEn_10366	ccsbBroad304_10366		BC130602,BC130606	388815	C21orf34	no errors	hORFeome V8.1 Collection	388815	C21orf34	NR_027791.1	100% match to non-coding
ccsbBroadEn_10367	ccsbBroad304_10367		BC067852	388965	FUNDC2P2	no errors	hORFeome V8.1 Collection	388965	FUNDC2P2	NR_003663.1	100% match to non-coding
ccsbBroadEn_10368	ccsbBroad304_10368		BC062733	389538	MGC72080	no errors	hORFeome V8.1 Collection	389538	MGC72080	NR_002822.3	100% match to non-coding
ccsbBroadEn_10369	ccsbBroad304_10369		BC132745,BC132747	389791	LOC389791	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	389791	LOC389791	NR_024425.1	100% match to non-coding
ccsbBroadEn_10370	ccsbBroad304_10370		BC131568	399761	BMS1P5	no errors	hORFeome V8.1 Collection	399761; 728053	BMS1P5; BMS1P1	NR_003611.2; NR_026566.1	100% match to non-coding
ccsbBroadEn_10371	ccsbBroad304_10371		BC130636,BC130638	399886	FLJ41423	no errors	hORFeome V8.1 Collection	399886	FLJ41423	XR_109047.1; XR_111175.1; XR_114485.1	100% match to non-coding
ccsbBroadEn_10372	ccsbBroad304_10372		BC132761,BC132789	400511	FLJ45256	no errors	hORFeome V8.1 Collection	400511	FLJ45256	XR_109271.1; XR_111652.1; XR_114983.1	100% match to non-coding
ccsbBroadEn_10373	ccsbBroad304_10373		BC119776	400661	FLJ44881	no errors	hORFeome V8.1 Collection	400661	FLJ44881	XR_110159.1; XR_111804.1; XR_115218.1	100% match to non-coding
ccsbBroadEn_10374	ccsbBroad304_10374		BC130542,BC130544	400710	FLJ26850	no errors	hORFeome V8.1 Collection	400710	FLJ26850	NR_027257.1	100% match to non-coding
ccsbBroadEn_10375	ccsbBroad304_10375		BC132790,BC132794	400997	FLJ44006	no errors	hORFeome V8.1 Collection	400997	FLJ44006	XR_109903.1; XR_112372.1; XR_113363.1	100% match to non-coding
ccsbBroadEn_10376	ccsbBroad304_10376		BC132697	401135	SYT14L	no errors	hORFeome V8.1 Collection	401135	SYT14L	NR_027094.1	100% match to non-coding
ccsbBroadEn_10377	ccsbBroad304_10377		BC132805	401260	FLJ41649	no errors	hORFeome V8.1 Collection	401260	FLJ41649	XR_108645.1	100% match to non-coding
ccsbBroadEn_10378	ccsbBroad304_10378		BC119778	401288	NCRNA00242	no errors	hORFeome V8.1 Collection	401288	NCRNA00242	NR_026781.1	100% match to non-coding
ccsbBroadEn_10379	ccsbBroad304_10379		BC132760	401296	LOC401296	no errors	hORFeome V8.1 Collection	401296	LOC401296	XR_108728.1; XR_110627.1; XR_112967.1	100% match to non-coding
ccsbBroadEn_10380	ccsbBroad304_10380		BC118602	401507	FAM74A1	no errors	hORFeome V8.1 Collection	401507	FAM74A1	NR_026803.1	100% match to non-coding
ccsbBroadEn_10381	ccsbBroad304_10381		BC057822	402176	RPL21P44	no errors	hORFeome V8.1 Collection	402176	RPL21P44	NR_027153.1	100% match to non-coding
ccsbBroadEn_10382	ccsbBroad304_10382		BC010732	404266	LOC404266	no errors	hORFeome V8.1 Collection	404266	LOC404266	NR_033201.1; NR_033204.1	100% match to non-coding
ccsbBroadEn_10383	ccsbBroad304_10383		BC031958	414926	C15orf50	no errors	hORFeome V8.1 Collection	414926	C15orf50	NR_026764.1	100% match to non-coding
ccsbBroadEn_10384	ccsbBroad304_10384		BC027471	440173	LOC440173	no errors	hORFeome V8.1 Collection	440173	LOC440173	NR_027471.1	100% match to non-coding
ccsbBroadEn_10385	ccsbBroad304_10385		BC070365	440184	NCRNA00238	no errors	hORFeome V8.1 Collection	440184	NCRNA00238	NR_024338.1	100% match to non-coding
ccsbBroadEn_10386	ccsbBroad304_10386		BC047911	440248	HERC2P9	no errors	hORFeome V8.1 Collection	440248	HERC2P9	NR_036443.1	100% match to non-coding
ccsbBroadEn_10387	ccsbBroad304_10387		BC119809	440356	LOC440356	no errors	hORFeome V8.1 Collection	440356	LOC440356	NR_015396.1; NR_024370.1	100% match to non-coding
ccsbBroadEn_10388	ccsbBroad304_10388		BC112354	440419	LOC440419	no errors	hORFeome V8.1 Collection	440419	LOC440419	NR_033892.1	100% match to non-coding
ccsbBroadEn_10389	ccsbBroad304_10389			440461	LOC440461	no errors	hORFeome V8.1 Collection	440461	LOC440461	NR_027283.1	100% match to non-coding
ccsbBroadEn_10390	ccsbBroad304_10390		BC132694,BC132696	440905	LOC440905	no errors	hORFeome V8.1 Collection	440905	LOC440905	NR_026758.1	100% match to non-coding
ccsbBroadEn_10391	ccsbBroad304_10391			441394	SUGT1P1	no errors	hORFeome V8.1 Collection	441394	SUGT1P1	NR_003667.3	100% match to non-coding
ccsbBroadEn_10392	ccsbBroad304_10392		BC104165	441493	LOC441493	no errors	hORFeome V8.1 Collection	441493	LOC441493	XR_110615.1; XR_115508.1	100% match to non-coding
ccsbBroadEn_10393	ccsbBroad304_10393		BC009550	492303	GEMIN8P4	no errors	hORFeome V8.1 Collection	492303	GEMIN8P4	NR_002830.1	100% match to non-coding
ccsbBroadEn_10394	ccsbBroad304_10394		BC130651,BC130655	497048	KU-MEL-3	no errors	hORFeome V8.1 Collection	497048	KU-MEL-3	XR_108704.1; XR_112821.1	100% match to non-coding
ccsbBroadEn_10395	ccsbBroad304_10395		BC014776	541471	LOC541471	no errors	hORFeome V8.1 Collection	541471	LOC541471	XR_113824.1	100% match to non-coding
ccsbBroadEn_10396	ccsbBroad304_10396		BC022013	541473	LOC541473	no errors	hORFeome V8.1 Collection	541473	LOC541473	NR_024373.1	100% match to non-coding
ccsbBroadEn_10397	ccsbBroad304_10397		BC021861	554202	LOC554202	no errors	hORFeome V8.1 Collection	554202	LOC554202	NR_003602.1	100% match to non-coding
ccsbBroadEn_10398	ccsbBroad304_10398		BC063703	595101	LOC595101	no errors	hORFeome V8.1 Collection	595101	LOC595101	NR_027054.1	100% match to non-coding
ccsbBroadEn_10399	ccsbBroad304_10399		BC008253	619434	NCRNA00051	no errors	hORFeome V8.1 Collection	619434	NCRNA00051	NR_002453.4	100% match to non-coding
ccsbBroadEn_10400	ccsbBroad304_10400		BC130506,BC130508	645010	FLJ16126	no errors	hORFeome V8.1 Collection	645010	FLJ16126	NR_024378.1	100% match to non-coding
ccsbBroadEn_10401	ccsbBroad304_10401		BC014590	645455	CEP170P1	no errors	hORFeome V8.1 Collection	645455	CEP170P1	XR_111919.1; XR_114055.1	100% match to non-coding
ccsbBroadEn_10402	ccsbBroad304_10402			645683	RPL13AP3	no errors	hORFeome V8.1 Collection	645683	RPL13AP3	NR_003135.2	100% match to non-coding
ccsbBroadEn_10403	ccsbBroad304_10403		BC118668	653166	OR1D4	no errors	hORFeome V8.1 Collection	653166	OR1D4	NR_004844.1	100% match to non-coding
ccsbBroadEn_10404	ccsbBroad304_10404		BC025725	653687	NCRNA00246B	no errors	hORFeome V8.1 Collection	653687; 203429	NCRNA00246B; NCRNA00246	NR_026594.1; NR_026595.1	100% match to non-coding
ccsbBroadEn_10405	ccsbBroad304_10405		BC065260	727751	LOC727751	no errors	hORFeome V8.1 Collection	80154	LOC80154	NR_026811.1	100% match to non-coding
ccsbBroadEn_10406	ccsbBroad304_10406		BC004343	728039	C21orf122	no errors	hORFeome V8.1 Collection	728039	C21orf122	NR_027292.1	100% match to non-coding



ccsbBroadEn_10407	ccsbBroad304_10407		BC072398	728233	PI4KAP1	no errors	hORFeome V8.1 Collection	728233	PI4KAP1	NR_003563.1	100% match to non-coding
ccsbBroadEn_10408	ccsbBroad304_10408		BC068242	728773	PABPC1P2	no errors	hORFeome V8.1 Collection	728773	PABPC1P2	NR_026904.1	100% match to non-coding
ccsbBroadEn_10409	ccsbBroad304_10409		BC121073	729862	LOC729862	no errors	hORFeome V8.1 Collection	729862	LOC729862	NR_033961.1	100% match to non-coding
ccsbBroadEn_10410	ccsbBroad304_10410		BC104473	100049076	LOC100049076	no errors	hORFeome V8.1 Collection	100049076	LOC100049076	NR_033968.1	100% match to non-coding
ccsbBroadEn_10411	ccsbBroad304_10411		BC098363	100129396	FAM106C	no errors	hORFeome V8.1 Collection	100129396	FAM106C	NR_026810.1	100% match to non-coding
ccsbBroadEn_10412	ccsbBroad304_10412			100130950	LOC100130950	no errors	hORFeome V8.1 Collection	100130950	LOC100130950	NR_034082.1	100% match to non-coding
ccsbBroadEn_10413	ccsbBroad304_10413			100131551	LOC100131551	no errors	hORFeome V8.1 Collection	100131551	LOC100131551	NR_024480.1	100% match to non-coding
ccsbBroadEn_10414	ccsbBroad304_10414		BC040290	100131816	UBE2DNL	no errors	hORFeome V8.1 Collection	100131816	UBE2DNL	NR_024062.1	100% match to non-coding
ccsbBroadEn_10415	ccsbBroad304_10415		BC021555	100132341	KIAA0664L3	no errors	hORFeome V8.1 Collection	100132341	KIAA0664L3	NR_024034.1	100% match to non-coding
ccsbBroadEn_10416	ccsbBroad304_10416			100134868	LOC100134868	no errors	hORFeome V8.1 Collection	100134868	LOC100134868	NR_004846.2	100% match to non-coding
ccsbBroadEn_10417	ccsbBroad304_10417		BC025345	100135777	LOC100135777	no errors	hORFeome V8.1 Collection	100127888	LOC100127888	NR_024470.1	100% match to non-coding
ccsbBroadEn_10418	ccsbBroad304_10418		BC121822	100287569	NCRNA00173	no errors	hORFeome V8.1 Collection	100287569	NCRNA00173	NR_027345.1	100% match to non-coding
ccsbBroadEn_10419	ccsbBroad304_10419			100287902	LOC100287902	no errors	hORFeome V8.1 Collection	100287902	LOC100287902	NR_034040.1	100% match to non-coding
ccsbBroadEn_10420	ccsbBroad304_10420		BC063682	100288778	LOC100288778	no errors	hORFeome V8.1 Collection	100288778	LOC100288778	NR_028269.1	100% match to non-coding
ccsbBroadEn_10421	ccsbBroad304_10421		BC014210	410	ARSA	no errors	hORFeome V8.1 Collection	410	ARSA	NM_000487.5; NM_001085425.2; NM_001085426.2; NM_001085427.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10422	ccsbBroad304_10422		BC021233,BC022865	539	ATP5O	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	539	ATP5O	NM_001697.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10423	ccsbBroad304_10423		BC028383	657	BMPR1A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	657	BMPR1A	NM_004329.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10424	ccsbBroad304_10424		BC007009	1358	CPA2	1 synonymous error	hORFeome V8.1 Collection	1358	CPA2	NM_001869.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10425	ccsbBroad304_10425		BC002642	1520	CTSS	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	1520	CTSS	NM_004079.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10426	ccsbBroad304_10426		BC042168	1522	CTSZ	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	1522	CTSZ	NM_001336.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10427	ccsbBroad304_10427		BC044586	1659	DHX8	no errors	hORFeome V8.1 Collection	1659	DHX8	NM_004941.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10428	ccsbBroad304_10428		BC017040	2114	ETS2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	2114	ETS2	NM_005239.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10429	ccsbBroad304_10429		BC002780	2329	FMO4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	2329	FMO4	NM_002022.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10430	ccsbBroad304_10430		BC030195	3002	GZMB	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	3002	GZMB	NM_004131.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10431	ccsbBroad304_10431		BC014572	3032	HADHB	no errors	hORFeome V8.1 Collection	3032	HADHB	NM_000183.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10432	ccsbBroad304_10432		BC017564,BC066963	3032	HADHB	no errors	hORFeome V8.1 Collection	3032	HADHB	NM_000183.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10433	ccsbBroad304_10433		BC001271,BC016952	3491	CYR61	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	3491	CYR61	NM_001554.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10434	ccsbBroad304_10434		BC017202	3712	IVD	no errors	hORFeome V8.1 Collection	3712	IVD	NM_002225.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10435	ccsbBroad304_10435	454	BC092406	3797	KIF3C	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	3797	KIF3C	NM_002254.6	Near full length(>99%); 99-100% match
ccsbBroadEn_10436	ccsbBroad304_10436		BC128063	3889	KRT83	no errors	hORFeome V8.1 Collection	3889	KRT83	NM_002282.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10437	ccsbBroad304_10437		BC114502	3925	STMN1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	3925	STMN1	NM_001145454.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10438	ccsbBroad304_10438		BC015818	3964	LGALS8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	3964	LGALS8	NM_006499.3; NM_201545.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10439	ccsbBroad304_10439		BC016929	4276	MICA	no errors	hORFeome V8.1 Collection	100507436	MICA	NM_000247.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10440	ccsbBroad304_10440		BC011526	5129	CDK18	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	5129	CDK18	NM_002596.3; NM_212502.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10441	ccsbBroad304_10441		BC028295	5184	PEPD	early stop codon	hORFeome V8.1 Mutant Subcollection	5184	PEPD	NM_000285.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10442	ccsbBroad304_10442		BC005989	5408	PNLIPRP2	no errors	hORFeome V8.1 Collection	5408	PNLIPRP2	NM_005396.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10443	ccsbBroad304_10443		BC018126	6117	RPA1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	6117	RPA1	NM_002945.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10444	ccsbBroad304_10444		CCSB53321	6397	SEC14L1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	6397	SEC14L1	NM_001039573.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10445	Failed LR reaction		BC007921	6689	SPIB	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	6689	SPIB	NM_003121.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10446	ccsbBroad304_10446		BC010861	6737	TRIM21	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	6737	TRIM21	NM_003141.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10447	ccsbBroad304_10447		BC031052	7189	TRAF6	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	7189	TRAF6	NM_004620.2; NM_145803.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10448	ccsbBroad304_10448		BC026264	7363	UGT2B4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	7363	UGT2B4	NM_021139.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10449	ccsbBroad304_10449		BC011725	7517	XRCC3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	7517	XRCC3	NM_001100118.1; NM_001100119.1; NM_005432.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10450	ccsbBroad304_10450		BC002417,BC015945	9817	KEAP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	9817	KEAP1	NM_012289.3; NM_203500.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10451	ccsbBroad304_10451		BC000161	10067	SCAMP3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	10067	SCAMP3	NM_005698.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10452	ccsbBroad304_10452		BC028740	10254	STAM2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	10254	STAM2	NM_005843.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10453	ccsbBroad304_10453		BC013158	10307	APBB3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	10307	APBB3	NM_133173.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10454	ccsbBroad304_10454		BC014021	10385	BTN2A2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	10385	BTN2A2	NM_001197237.1; NM_006995.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10455	ccsbBroad304_10455		BC004291,BC013690	23208	SYT11	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	23208	SYT11	NM_152280.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10456	ccsbBroad304_10456		BC011930,BC050441	29071	C1GALT1C1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	29071	C1GALT1C1	NM_001011551.2; NM_152692.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10457	ccsbBroad304_10457	454	BC146779	50618	ITSN2	no errors	hORFeome V8.1 Collection	50618	ITSN2	NM_019595.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10458	ccsbBroad304_10458	454	BC042634	51294	PCDH12	no errors	hORFeome V8.1 Collection	51294	PCDH12	NM_016580.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10459	ccsbBroad304_10459		BC023997	51466	EVL	no errors	hORFeome V8.1 Collection	51466	EVL	NM_016337.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10460	ccsbBroad304_10460		BC035040	54762	GRAMD1C	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	54762	GRAMD1C	NM_017577.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10461	ccsbBroad304_10461		BC036674	56142	PCDHA6	early stop codon	hORFeome V8.1 Mutant Subcollection	56142	PCDHA6	NM_018909.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10462	ccsbBroad304_10462		BC036016	56159	TEX11	no errors	hORFeome V8.1 Collection	56159	TEX11	NM_031276.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10463	ccsbBroad304_10463		BC041374	57689	LRRRC4C	no errors	hORFeome V8.1 Collection	57689	LRRRC4C	NM_020929.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10464	ccsbBroad304_10464	454	BC058862	60385	TSKS	no errors	hORFeome V8.1 Collection	60385	TSKS	NM_021733.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10465	ccsbBroad304_10465		BC030015	64064	OXCT2	no errors	hORFeome V8.1 Collection	64064	OXCT2	NM_022120.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10466	ccsbBroad304_10466	454	BC105095	79707	NOL9	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	79707	NOL9	NM_024654.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10467	ccsbBroad304_10467		BC007212	79750	ZNF385D	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	79750	ZNF385D	NM_024697.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10468	ccsbBroad304_10468		BC098267	80059	LRRTM4	no errors	hORFeome V8.1 Collection	80059	LRRTM4	NM_024993.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10469	ccsbBroad304_10469		BC004929	80270	HSD3B7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	80270	HSD3B7	NM_025193.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10470	ccsbBroad304_10470		BC030717	81472	OR2C3	no errors	hORFeome V8.1 Collection	81472	OR2C3	NM_198074.4	Near full length(>99%); 99-100% match
ccsbBroadEn_10471	ccsbBroad304_10471		BC015814	84455	EFCAB7	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection	84455	EFCAB7	NM_032437.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10472	ccsbBroad304_10472		BC034737	84708	LNK1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	84708	LNK1	NM_032622.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10473	ccsbBroad304_10473		BC014928	84864	MINA	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	84864	MINA	NM_001042533.1; NM_153182.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10474	ccsbBroad304_10474	454	BC089449	89887	ZNF628	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	89887	ZNF628	NM_033113.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10475	ccsbBroad304_10475		BC010698	112840	WDR89	early stop codon	hORFeome V8.1 Mutant Subcollection	112840	WDR89	NM_001008726.1; NM_080666.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10476	ccsbBroad304_10476		BC017066	133619	PRRC1	no errors	hORFeome V8.1 Collection	133619	PRRC1	NM_130809.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10477	ccsbBroad304_10477		BC001244	140462	ASB9	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	140462	ASB9	NM_001168530.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10478	ccsbBroad304_10478	454	BC022401	143503	OR51E1	no errors	hORFeome V8.1 Collection	143503	OR51E1	NM_152430.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10479	ccsbBroad304_10479	454	BC022537	145773	FAM81A	1 synonymous error	hORFeome V8.1 Collection	145773	FAM81A	NM_152450.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10480	ccsbBroad304_10480	454	BC068596	150763	GPAT2	no errors	hORFeome V8.1 Collection	150763	GPAT2	NM_207328.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10481	ccsbBroad304_10481	454	BC028400	254778	C8orf46	1 synonymous error	hORFeome V8.1 Collection	254778	C8orf46	NM_152765.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10482	ccsbBroad304_10482	454	BC035732	256815	C10orf67	no errors	hORFeome V8.1 Collection	256815	C10orf67	NM_153714.2	Near full length(>99%); 99-100% match
ccsbBroadEn_10483	ccsbBroad304_10483	454	BC027884	283375	SLC39A5	no errors	hORFeome V8.1 Collection	283375	SLC39A5	NM_001135195.1; NM_173596.2	Near full length(>99%); 99-100% match



ccsbBroadEn_10484	ccsbBroad304_10484		BC014894	286075	ZNF707	no errors	hORFeome V8.1 Collection	286075	ZNF707	NM_001100598.1; NM_001100599.1; NM_173831.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10485	ccsbBroad304_10485		BC110597	353174	ZACN	no errors	hORFeome V8.1 Collection	353174	ZACN	NM_180990.3	Near full length(>99%); 99-100% match
ccsbBroadEn_10486	ccsbBroad304_10486		BC015239	653121	ZBTB8A	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	653121	ZBTB8A	NM_001040441.1	Near full length(>99%); 99-100% match
ccsbBroadEn_10487	ccsbBroad304_10487	454	BC037778	670	BPHL	no errors	hORFeome V8.1 Collection	670	BPHL	NR_026648.1	99-100% match to non-coding
ccsbBroadEn_10488	ccsbBroad304_10488	454	BC074933	711	C3orf51	no errors	hORFeome V8.1 Collection	711	C3orf51	NR_024615.1	99-100% match to non-coding
ccsbBroadEn_10489	ccsbBroad304_10489	454	BC033245	1440	CSF3	no errors	hORFeome V8.1 Collection	1440	CSF3	NR_033662.1	99-100% match to non-coding
ccsbBroadEn_10490	ccsbBroad304_10490		BC066960	2713	GK3P	no errors	hORFeome V8.1 Collection	2713	GK3P	NR_026575.1	99-100% match to non-coding
ccsbBroadEn_10491	ccsbBroad304_10491		BC006422	5211	PFKL	no errors	hORFeome V8.1 Collection	5211	PFKL	NR_024108.1	99-100% match to non-coding
ccsbBroadEn_10492	ccsbBroad304_10492	454	BC074851	5616	PRKY	no errors	hORFeome V8.1 Collection	5616	PRKY	NR_028062.1	99-100% match to non-coding
ccsbBroadEn_10493	ccsbBroad304_10493		BC110455	7696	ZNF137P	no errors	hORFeome V8.1 Collection	7696	ZNF137P	NR_023311.1	99-100% match to non-coding
ccsbBroadEn_10494	ccsbBroad304_10494		BC041661	9753	ZSCAN12	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	9753	ZSCAN12	NR_028077.1	99-100% match to non-coding
ccsbBroadEn_10495	ccsbBroad304_10495		BC128257	9808	KIAA0087	no errors	hORFeome V8.1 Collection	9808	KIAA0087	NR_022006.1	99-100% match to non-coding
ccsbBroadEn_10496	ccsbBroad304_10496		BC008889,BC032809	10597	TRAPPC2P1	1 synonomous error	hORFeome V8.1 Collection	10597	TRAPPC2P1	NR_002166.1	99-100% match to non-coding
ccsbBroadEn_10497	ccsbBroad304_10497		BC069734	10748	KLRAP1	no errors	hORFeome V8.1 Collection	10748	KLRAP1	NR_028045.1	99-100% match to non-coding
ccsbBroadEn_10498	ccsbBroad304_10498	454	BC132938	10895	PPBPL2	no errors	hORFeome V8.1 Collection	10895	PPBPL2	NR_026769.1	99-100% match to non-coding
ccsbBroadEn_10499	ccsbBroad304_10499		BC038293	11191	PTENP1	no errors	hORFeome V8.1 Collection	11191	PTENP1	NR_023917.1	99-100% match to non-coding
ccsbBroadEn_10500	ccsbBroad304_10500	454	BC069097	23591	C17orf88	no errors	hORFeome V8.1 Collection	23591	C17orf88	NR_026770.1	99-100% match to non-coding
ccsbBroadEn_10501	ccsbBroad304_10501		BC098364	25774	GSTTP1	no errors	hORFeome V8.1 Collection	25774	GSTTP1	NR_003081.1	99-100% match to non-coding
ccsbBroadEn_10502	ccsbBroad304_10502		BC021187	26070	DKFZP434K028	no errors	hORFeome V8.1 Collection	26070	DKFZP434K028	NR_026882.1	99-100% match to non-coding
ccsbBroadEn_10503	ccsbBroad304_10503	454	BC093748	27099	C7orf54	no errors	hORFeome V8.1 Collection	27099	C7orf54	NR_027330.1	99-100% match to non-coding
ccsbBroadEn_10504	ccsbBroad304_10504	454	BC069658,BC069757	29018	PRO1768	no errors	hORFeome V8.1 Collection	29018	PRO1768	NR_024620.1	99-100% match to non-coding
ccsbBroadEn_10505	Failed LR reaction		BC063575	51054	PLEKHA8P1	no errors	hORFeome V8.1 Collection	51054	PLEKHA8P1	NR_037144.1	99-100% match to non-coding
ccsbBroadEn_10506	ccsbBroad304_10506	454	BC142691	51214	IGF2AS	no errors	hORFeome V8.1 Collection	51214	IGF2AS	NR_028043.1; NR_028044.1	99-100% match to non-coding
ccsbBroadEn_10507	ccsbBroad304_10507		BC018105	51375	SNX7	no errors	hORFeome V8.1 Collection	51375	SNX7	NR_033716.1	99-100% match to non-coding
ccsbBroadEn_10508	ccsbBroad304_10508		BC107117	54508	FLJ11235	no errors	hORFeome V8.1 Collection	54508	FLJ11235	NR_027706.1	99-100% match to non-coding
ccsbBroadEn_10509	Failed LR reaction		BC008784	54540	FAM193B	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	54540	FAM193B	NR_024019.2	99-100% match to non-coding
ccsbBroadEn_10510	ccsbBroad304_10510		BC060772	55790	CSGALNACT1	no errors	hORFeome V8.1 Collection	55790	CSGALNACT1	NR_024040.1	99-100% match to non-coding
ccsbBroadEn_10511	ccsbBroad304_10511		BC042922	56967	C14orf132	no errors	hORFeome V8.1 Collection	56967	C14orf132	NR_023938.1	99-100% match to non-coding
ccsbBroadEn_10512	ccsbBroad304_10512		BC096706	56969	RPL23AP32	1 synonomous error	hORFeome V8.1 Collection	56969	RPL23AP32	NR_002229.2	99-100% match to non-coding
ccsbBroadEn_10513	ccsbBroad304_10513	454	BC098172	56969	RPL23AP32	no errors	hORFeome V8.1 Collection	56969	RPL23AP32	NR_002229.2	99-100% match to non-coding
ccsbBroadEn_10514	Failed LR reaction	454	BC093699	57212	KIAA0495	no errors	hORFeome V8.1 Collection	57212	KIAA0495	NR_033708.1; NR_033709.1; NR_033710.1; NR_033711.1	99-100% match to non-coding
ccsbBroadEn_10515	ccsbBroad304_10515		BC119686	60467	BPESC1	no errors	hORFeome V8.1 Collection	60467	BPESC1	NR_026783.1	99-100% match to non-coding
ccsbBroadEn_10516	ccsbBroad304_10516		BC033886	64396	GMCL1L	no errors	hORFeome V8.1 Collection	64396	GMCL1L	NR_003281.1	99-100% match to non-coding
ccsbBroadEn_10517	ccsbBroad304_10517		BC024184	64396	GMCL1L	1 synonomous error	hORFeome V8.1 Collection	64396	GMCL1L	NR_003281.1	99-100% match to non-coding
ccsbBroadEn_10518	ccsbBroad304_10518		BC016849	79134	TMEM185B	no errors	hORFeome V8.1 Collection	79134	TMEM185B	NR_000034.1	99-100% match to non-coding
ccsbBroadEn_10519	ccsbBroad304_10519		BC014374	79315	OR7E91P	1 synonomous error	hORFeome V8.1 Collection	79315	OR7E91P	NR_002185.2	99-100% match to non-coding
ccsbBroadEn_10520	ccsbBroad304_10520	454	BC017762	79854	NCRNA00115	no errors	hORFeome V8.1 Collection	79854	NCRNA00115	NR_024321.1	99-100% match to non-coding
ccsbBroadEn_10521	ccsbBroad304_10521		BC025755	79969	ATAT1	no errors	hORFeome V8.1 Collection	79969	ATAT1	NR_033823.1	99-100% match to non-coding
ccsbBroadEn_10522	ccsbBroad304_10522		BC047675	79970	ZNF767	no errors	hORFeome V8.1 Collection	79970	ZNF767	NR_027789.1	99-100% match to non-coding
ccsbBroadEn_10523	ccsbBroad304_10523		BC132845	80035	C15orf28	no errors	hORFeome V8.1 Collection	80035	C15orf28	NR_026808.1	99-100% match to non-coding
ccsbBroadEn_10524	ccsbBroad304_10524	454	BC056673	80316	PPP1R2P9	1 synonomous error	hORFeome V8.1 Collection	80316	PPP1R2P9	NR_002191.2	99-100% match to non-coding
ccsbBroadEn_10525	ccsbBroad304_10525		BC052310	81567	TXNDC5	no errors	hORFeome V8.1 Collection	100526836	MUTED-TXNDC5	NR_037616.1	99-100% match to non-coding
ccsbBroadEn_10526	ccsbBroad304_10526		BC005106	83695	C12orf32	no errors	hORFeome V8.1 Collection	83695	C12orf32	NR_027363.1	99-100% match to non-coding
ccsbBroadEn_10527	ccsbBroad304_10527		BC006300	84808	C1orf170	no errors	hORFeome V8.1 Collection	84808	C1orf170	NR_027693.1	99-100% match to non-coding
ccsbBroadEn_10528	ccsbBroad304_10528		BC047736	84809	CROCCP2	no errors	hORFeome V8.1 Collection	84809	CROCCP2	NR_026752.1	99-100% match to non-coding
ccsbBroadEn_10529	ccsbBroad304_10529		BC119720	84981	C17orf91	no errors	hORFeome V8.1 Collection	84981	C17orf91	NR_028504.1; NR_028505.1	99-100% match to non-coding
ccsbBroadEn_10530	ccsbBroad304_10530		BC007866	84989	LOC84989	no errors	hORFeome V8.1 Collection	84989	LOC84989	NR_027182.1	99-100% match to non-coding
ccsbBroadEn_10531	ccsbBroad304_10531	454	BC069382	89883	OR6W1P	no errors	hORFeome V8.1 Collection	89883	OR6W1P	NR_002140.1	99-100% match to non-coding
ccsbBroadEn_10532	ccsbBroad304_10532	454	BC033172	90768	MGC45800	no errors	hORFeome V8.1 Collection	90768	MGC45800	NR_027107.1	99-100% match to non-coding
ccsbBroadEn_10533	ccsbBroad304_10533		BC013775	92070	C4orf42	no errors	hORFeome V8.1 Collection	92070	C4orf42	NR_033339.1	99-100% match to non-coding
ccsbBroadEn_10534	ccsbBroad304_10534		BC120947	92070	C4orf42	no errors	hORFeome V8.1 Collection	92070	C4orf42	NR_033339.1	99-100% match to non-coding
ccsbBroadEn_10535	ccsbBroad304_10535	454	BC093888	94009	SERHL	no errors	hORFeome V8.1 Collection	94009	SERHL	NR_027786.1	99-100% match to non-coding
ccsbBroadEn_10536	ccsbBroad304_10536		BC119737	114041	C21orf88	no errors	hORFeome V8.1 Collection	114041	C21orf88	NR_026542.1	99-100% match to non-coding
ccsbBroadEn_10537	ccsbBroad304_10537	454	BC101844	114915	NCRNA00219	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	114915	NCRNA00219	NR_015370.2	99-100% match to non-coding
ccsbBroadEn_10538	ccsbBroad304_10538		BC014341	116123	FMO9P	2 synonomous errors	hORFeome V8.1 Mutant Subcollection	116123	FMO9P	NR_002925.2	99-100% match to non-coding
ccsbBroadEn_10539	ccsbBroad304_10539		BC000596	118433	RPL23AP7	no errors	hORFeome V8.1 Collection	118433	RPL23AP7	NR_000029.3; NR_024528.1;	99-100% match to non-coding
ccsbBroadEn_10540	ccsbBroad304_10540	454	BC040890	123346	HIGD2B	no errors	hORFeome V8.1 Collection	123346	HIGD2B	NR_002780.1	99-100% match to non-coding
ccsbBroadEn_10541	ccsbBroad304_10541		BC070117	124149	ANKRD26P1	no errors	hORFeome V8.1 Collection	124149	ANKRD26P1	NR_026556.1	99-100% match to non-coding
ccsbBroadEn_10542	ccsbBroad304_10542		BC100792	126520	PLK5P	no errors	hORFeome V8.1 Collection	126520	PLK5P	NR_026557.1	99-100% match to non-coding
ccsbBroadEn_10543	ccsbBroad304_10543	454	BC101556	128854	TSPY26P	early stop codon	hORFeome V8.1 Mutant Subcollection	128854	TSPY26P	NR_002781.1	99-100% match to non-coding
ccsbBroadEn_10544	ccsbBroad304_10544		BC103851	128872	HMGB3P1	no errors	hORFeome V8.1 Collection	128872	HMGB3P1	NR_002165.1	99-100% match to non-coding
ccsbBroadEn_10545	ccsbBroad304_10545	454	BC103849	128872	HMGB3P1	no errors	hORFeome V8.1 Collection	128872	HMGB3P1	NR_002165.1	99-100% match to non-coding
ccsbBroadEn_10546	ccsbBroad304_10546	454	BC070228	129790	C7orf13	no errors	hORFeome V8.1 Collection	129790	C7orf13	NR_026865.1	99-100% match to non-coding
ccsbBroadEn_10547	ccsbBroad304_10547		BC015210	132200	C3orf49	no errors	hORFeome V8.1 Collection	132200	C3orf49	NR_026866.1	99-100% match to non-coding
ccsbBroadEn_10548	ccsbBroad304_10548	454	BC034963	136991	ASZ1	no errors	hORFeome V8.1 Collection	136991	ASZ1	NR_023315.1	99-100% match to non-coding
ccsbBroadEn_10549	ccsbBroad304_10549	454	BC093709	143188	LOC143188	no errors	hORFeome V8.1 Collection	143188	LOC143188	NR_015409.1	99-100% match to non-coding
ccsbBroadEn_10550	ccsbBroad304_10550	454	BC118632	144742	LOC144742	no errors	hORFeome V8.1 Collection	144742	LOC144742	NR_024246.1	99-100% match to non-coding
ccsbBroadEn_10551	ccsbBroad304_10551	454	BC112070	147429	C18orf16	no errors	hORFeome V8.1 Collection	147429	C18orf16	NR_026908.1	99-100% match to non-coding
ccsbBroadEn_10552	ccsbBroad304_10552		BC104208	147650	NCRNA00085	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	147650	NCRNA00085	NR_024330.1	99-100% match to non-coding
ccsbBroadEn_10553	ccsbBroad304_10553	454	BC089419	147947	ZNF542	no errors	hORFeome V8.1 Collection	147947	ZNF542	NR_003127.2; NR_024055.2; NR_024056.2; NR_024057.2; NR_033418.1	99-100% match to non-coding
ccsbBroadEn_10554	ccsbBroad304_10554		BC104221	148231	FLJ25328	no errors	hORFeome V8.1 Collection	148231	FLJ25328	NR_024335.1;	99-100% match to non-coding
ccsbBroadEn_10555	ccsbBroad304_10555		BC101243	149134	LOC149134	no errors	hORFeome V8.1 Collection	149134	LOC149134	NR_015422.1	99-100% match to non-coding
ccsbBroadEn_10556	ccsbBroad304_10556	454	BC137389	149830	PRNT	no errors	hORFeome V8.1 Collection	149830	PRNT	NR_024267.1; NR_024268.1; NR_024269.1	99-100% match to non-coding
ccsbBroadEn_10557	ccsbBroad304_10557		BC117492	149837	LOC149837	no errors	hORFeome V8.1 Collection	149837; 643406	LOC149837; LOC643406	NR_015406.1;	99-100% match to non-coding
ccsbBroadEn_10558	ccsbBroad304_10558		BC117494	149837	LOC149837	no errors	hORFeome V8.1 Collection	149837	LOC149837	NR_015406.1	99-100% match to non-coding
ccsbBroadEn_10559	ccsbBroad304_10559		BC130462,BC130464	149950	LOC149950	no errors	hORFeome V8.1 Collection	149950	LOC149950	NR_034152.1	99-100% match to non-coding



ccsbBroadEn_10560	ccsbBroad304_10560		BC029588	150142	C21orf121	no errors	hORFeome V8.1 Collection	150142	C21orf121	NR_027273.1	99-100% match to non-coding
ccsbBroadEn_10561	ccsbBroad304_10561		BC063412	150147	C21orf128	no errors	hORFeome V8.1 Collection	150147	C21orf128	NR_027243.1	99-100% match to non-coding
ccsbBroadEn_10562	ccsbBroad304_10562	454	BC093858	150622	LOC150622	no errors	hORFeome V8.1 Collection	150622	LOC150622	NR_026832.1	99-100% match to non-coding
ccsbBroadEn_10563	ccsbBroad304_10563	454	BC111988	151121	LOC151121	no errors	hORFeome V8.1 Collection	151121	LOC151121	XR_109891.1; XR_112384.1; XR_113380.1	99-100% match to non-coding
ccsbBroadEn_10564	ccsbBroad304_10564	454	BC038577	151760	LOC151760	no errors	hORFeome V8.1 Collection	151760	LOC151760	XR_108461.1; XR_112523.1; XR_113571.1	99-100% match to non-coding
ccsbBroadEn_10565	ccsbBroad304_10565		BC113576	152225	LOC152225	no errors	hORFeome V8.1 Collection	152225	LOC152225	NR_026934.1	99-100% match to non-coding
ccsbBroadEn_10566	ccsbBroad304_10566		BC113576	152225	LOC152225	no errors	hORFeome V8.1 Collection	152225	LOC152225	NR_026934.1	99-100% match to non-coding
ccsbBroadEn_10567	ccsbBroad304_10567		BC066922	153743	PPP1R2P3	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection	153743	PPP1R2P3	NR_002168.1	99-100% match to non-coding
ccsbBroadEn_10568	ccsbBroad304_10568		BC107112	155400	NSUN5P1	no errors	hORFeome V8.1 Collection	155400; 260294	NSUN5P1; NSUN5P2	NR_033322.1; NR_033323.2	99-100% match to non-coding
ccsbBroadEn_10569	ccsbBroad304_10569		BC034752	157927	C9orf62	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	157927	C9orf62	XR_109856.1; XR_113268.1; XR_114315.1	99-100% match to non-coding
ccsbBroadEn_10570	ccsbBroad304_10570	454	BC093945	158572	LOC158572	no errors	hORFeome V8.1 Collection	158572	LOC158572	NR_026742.1	99-100% match to non-coding
ccsbBroadEn_10571	ccsbBroad304_10571	454	BC033934	164380	CSTT	no errors	hORFeome V8.1 Collection	164380	CSTT	NR_001279.2	99-100% match to non-coding
ccsbBroadEn_10572	ccsbBroad304_10572		BC015579,BC041036	196872	MGC23270	1 synonomous error	hORFeome V8.1 Collection	196872	MGC23270	NR_024396.1	99-100% match to non-coding
ccsbBroadEn_10573	ccsbBroad304_10573		BC128126	200197	C1orf126	no errors	hORFeome V8.1 Collection	200197	C1orf126	NR_027136.1	99-100% match to non-coding
ccsbBroadEn_10574	ccsbBroad304_10574		BC117361	200261	LOC200261	no errors	hORFeome V8.1 Collection	200261	LOC200261	NR_034149.1	99-100% match to non-coding
ccsbBroadEn_10575	ccsbBroad304_10575		BC014492	200420	ALMS1P	no errors	hORFeome V8.1 Collection	200420	ALMS1P	NR_003683.2	99-100% match to non-coding
ccsbBroadEn_10576	ccsbBroad304_10576		BC024224	202459	OSTCL	no errors	hORFeome V8.1 Collection	202459	OSTCL	NR_028496.1	99-100% match to non-coding
ccsbBroadEn_10577	ccsbBroad304_10577		BC028580	206426	PIP5K1P1	no errors	hORFeome V8.1 Collection	206426	PIP5K1P1	NR_027712.1	99-100% match to non-coding
ccsbBroadEn_10578	ccsbBroad304_10578	454	BC004224	220070	C11orf76	no errors	hORFeome V8.1 Collection	220070	C11orf76	XR_110890.1; XR_111196.1; XR_114504.1	99-100% match to non-coding
ccsbBroadEn_10579	ccsbBroad304_10579		BC028118	221718	C6orf218	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	221718	C6orf218	NR_027793.1	99-100% match to non-coding
ccsbBroadEn_10580	ccsbBroad304_10580		BC104432	253018	HCG27	no errors	hORFeome V8.1 Collection	253018	HCG27	NR_026791.1	99-100% match to non-coding
ccsbBroadEn_10581	ccsbBroad304_10581	454	BC028195	253128	C12orf33	no errors	hORFeome V8.1 Collection	253128	C12orf33	NR_034140.1	99-100% match to non-coding
ccsbBroadEn_10582	ccsbBroad304_10582	454	BC016335	253724	GNN	no errors	hORFeome V8.1 Collection	253724	GNN	NR_027249.1	99-100% match to non-coding
ccsbBroadEn_10583	ccsbBroad304_10583	454	BC111938	253868	C20orf200	no errors	hORFeome V8.1 Collection	253868	C20orf200	NR_033263.1	99-100% match to non-coding
ccsbBroadEn_10584	ccsbBroad304_10584		BC036545,BC120980	257000	PLAC2	no errors	hORFeome V8.1 Collection	257000	PLAC2	NR_027064.1	99-100% match to non-coding
ccsbBroadEn_10585	ccsbBroad304_10585	454	BC093855	259234	DSCR10	no errors	hORFeome V8.1 Collection	259234	DSCR10	NR_027695.1	99-100% match to non-coding
ccsbBroadEn_10586	ccsbBroad304_10586		BC082753	260294	NSUN5P2	no errors	hORFeome V8.1 Collection	260294	NSUN5P2	NR_033323.2	99-100% match to non-coding
ccsbBroadEn_10587	ccsbBroad304_10587		BC103891	266697	POM121L4P	no errors	hORFeome V8.1 Collection	266697	POM121L4P	NR_024592.1	99-100% match to non-coding
ccsbBroadEn_10588	ccsbBroad304_10588	454	BC068549	266971	PIPSL	no errors	hORFeome V8.1 Collection	266971	PIPSL	NR_002319.2	99-100% match to non-coding
ccsbBroadEn_10589	ccsbBroad304_10589	454	BC112006	283102	FLJ46111	no errors	hORFeome V8.1 Collection	283102	FLJ46111	NR_027713.1	99-100% match to non-coding
ccsbBroadEn_10590	ccsbBroad304_10590	454	BC106032	283174	LOC283174	no errors	hORFeome V8.1 Collection	283174	LOC283174	NR_024344.1	99-100% match to non-coding
ccsbBroadEn_10591	ccsbBroad304_10591	454	BC104973	283303	C11orf36	no errors	hORFeome V8.1 Collection	283303	C11orf36	NR_027138.1	99-100% match to non-coding
ccsbBroadEn_10592	ccsbBroad304_10592		BC121096	283332	LOC283332	no errors	hORFeome V8.1 Collection	283332	LOC283332	NR_026948.1	99-100% match to non-coding
ccsbBroadEn_10593	ccsbBroad304_10593	454	BC101220	283422	C12orf36	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	283422	C12orf36	NR_036555.1	99-100% match to non-coding
ccsbBroadEn_10594	ccsbBroad304_10594	454	BC093904	283487	C13orf29	no errors	hORFeome V8.1 Collection	283487	C13orf29	NR_027701.1	99-100% match to non-coding
ccsbBroadEn_10595	ccsbBroad304_10595	454	BC132991	283601	C14orf70	no errors	hORFeome V8.1 Collection	283601	C14orf70	NR_024096.1	99-100% match to non-coding
ccsbBroadEn_10596	ccsbBroad304_10596		BC101464	283932	NCRNA00095	no errors	hORFeome V8.1 Collection	283932	NCRNA00095	NR_024348.1	99-100% match to non-coding
ccsbBroadEn_10597	ccsbBroad304_10597	454	BC112034	284009	LOC284009	no errors	hORFeome V8.1 Collection	284009	LOC284009	NR_028335.1	99-100% match to non-coding
ccsbBroadEn_10598	ccsbBroad304_10598		BC113564	284029	C17orf44	no errors	hORFeome V8.1 Collection	284029	C17orf44	NR_026951.1	99-100% match to non-coding
ccsbBroadEn_10599	ccsbBroad304_10599	454	BC104815	284047	CCDC144B	no errors	hORFeome V8.1 Collection	284047	CCDC144B	NR_036647.1	99-100% match to non-coding
ccsbBroadEn_10600	ccsbBroad304_10600	454	BC112028	284085	FLJ40504	no errors	hORFeome V8.1 Collection	284085	FLJ40504	NR_028334.1	99-100% match to non-coding
ccsbBroadEn_10601	ccsbBroad304_10601	454	BC021740	284257	BOD1P	no errors	hORFeome V8.1 Collection	284257	BOD1P	NR_033372.1	99-100% match to non-coding
ccsbBroadEn_10602	ccsbBroad304_10602		BC117294,BC117296	284424	C19orf30	no errors	hORFeome V8.1 Collection	284424	C19orf30	NR_027148.1	99-100% match to non-coding
ccsbBroadEn_10603	ccsbBroad304_10603		BC034236	284440	LOC284440	no errors	hORFeome V8.1 Collection	284440	LOC284440	NR_026956.1	99-100% match to non-coding
ccsbBroadEn_10604	ccsbBroad304_10604		BC104011	284573	C1orf157	no errors	hORFeome V8.1 Collection	284573	C1orf157	NR_027902.1	99-100% match to non-coding
ccsbBroadEn_10605	ccsbBroad304_10605		BC131537	284800	FAM182A	no errors	hORFeome V8.1 Collection	284800	FAM182A	NR_026713.1	99-100% match to non-coding
ccsbBroadEn_10606	ccsbBroad304_10606		BC069048	285074	LOC285074	no errors	hORFeome V8.1 Collection	285074	LOC285074	NR_026846.1	99-100% match to non-coding
ccsbBroadEn_10607	ccsbBroad304_10607		BC101229	285205	LOC285205	no errors	hORFeome V8.1 Collection	285205	LOC285205	NR_015394.1	99-100% match to non-coding
ccsbBroadEn_10608	ccsbBroad304_10608	454	BC137154	285311	C3orf56	1 synonomous error	hORFeome V8.1 Collection	285311	C3orf56	XR_108480.1; XR_112539.1; XR_113590.1	99-100% match to non-coding
ccsbBroadEn_10609	ccsbBroad304_10609		BC050328	285622	NBPF22P	no errors	hORFeome V8.1 Collection	285622	NBPF22P	NR_003719.1	99-100% match to non-coding
ccsbBroadEn_10610	ccsbBroad304_10610	454	BC093887	285696	LOC285696	no errors	hORFeome V8.1 Collection	285696	LOC285696	NR_027253.1	99-100% match to non-coding
ccsbBroadEn_10611	ccsbBroad304_10611	454	BC101704	285735	LOC285735	no errors	hORFeome V8.1 Collection	285735	LOC285735	NR_026969.1	99-100% match to non-coding
ccsbBroadEn_10612	ccsbBroad304_10612		BC129979	338588	LOC338588	no errors	hORFeome V8.1 Collection	338588	LOC338588	NR_015425.1	99-100% match to non-coding
ccsbBroadEn_10613	ccsbBroad304_10613	454	BC093899	338797	LOC338797	no errors	hORFeome V8.1 Collection	338797	LOC338797	XR_109112.1; XR_111362.1; XR_114636.1	99-100% match to non-coding
ccsbBroadEn_10614	ccsbBroad304_10614	454	BC093705	339005	WHAMML1	no errors	hORFeome V8.1 Collection	339005	WHAMML1	NR_003521.1	99-100% match to non-coding
ccsbBroadEn_10615	ccsbBroad304_10615		BC113688,BC113690	339535	LOC339535	no errors	hORFeome V8.1 Collection	339535	LOC339535	NR_015407.1	99-100% match to non-coding
ccsbBroadEn_10616	ccsbBroad304_10616	454	BC093941	339942	C3orf47	no errors	hORFeome V8.1 Collection	339942	C3orf47	NR_026991.1	99-100% match to non-coding
ccsbBroadEn_10617	ccsbBroad304_10617	454	BC046248	340602	CXorf67	no errors	hORFeome V8.1 Collection	340602	CXorf67	XR_109761.1; XR_113306.1; XR_115511.1	99-100% match to non-coding
ccsbBroadEn_10618	ccsbBroad304_10618	454	BC093747	349196	LOC349196	no errors	hORFeome V8.1 Collection	349196	LOC349196	NR_027000.1	99-100% match to non-coding
ccsbBroadEn_10619	ccsbBroad304_10619		BC033812	375593	TRIM73	no errors	hORFeome V8.1 Collection	100509256	LOC100509256	XR_113292.1	99-100% match to non-coding
ccsbBroadEn_10620	ccsbBroad304_10620		BC111539	378832	NCRNA00175	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	378832	NCRNA00175	NR_027498.1; NR_028082.1	99-100% match to non-coding
ccsbBroadEn_10621	ccsbBroad304_10621	454	BC036910	388882	LOC388882	no errors	hORFeome V8.1 Collection	388882	LOC388882	XR_109751.1; XR_112226.1; XR_115475.1	99-100% match to non-coding
ccsbBroadEn_10622	ccsbBroad304_10622		BC031661	389458	LOC389458	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	389458	LOC389458	NR_015343.1	99-100% match to non-coding
ccsbBroadEn_10623	ccsbBroad304_10623	454	BC137367	389834	LOC389834	no errors	hORFeome V8.1 Collection	389834	LOC389834	NR_027420.1	99-100% match to non-coding
ccsbBroadEn_10624	ccsbBroad304_10624	454	BC136875	390756	OR3A4	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	390756	OR3A4	NR_024128.1	99-100% match to non-coding
ccsbBroadEn_10625	ccsbBroad304_10625		BC065723	391257	SUMO1P1	no errors	hORFeome V8.1 Collection	391257	SUMO1P1	NR_002189.3	99-100% match to non-coding
ccsbBroadEn_10626	ccsbBroad304_10626		BC027852	399670	RPL13AP17	no errors	hORFeome V8.1 Collection	399670	RPL13AP17	NR_003680.1	99-100% match to non-coding
ccsbBroadEn_10627	ccsbBroad304_10627		BC041583	400509	RUNDC2B	no errors	hORFeome V8.1 Collection	440352	RUNDC2C	NR_002939.2	99-100% match to non-coding
ccsbBroadEn_10628	ccsbBroad304_10628	454	BC136727	400798	C1orf220	no errors	hORFeome V8.1 Collection	400798	C1orf220	NR_033186.1	99-100% match to non-coding
ccsbBroadEn_10629	ccsbBroad304_10629		BC132762,BC132788	400932	FLJ46257	no errors	hORFeome V8.1 Collection	400932	FLJ46257	NR_033377.1	99-100% match to non-coding
ccsbBroadEn_10630	ccsbBroad304_10630	454	BC132697	401135	SYT14L	no errors	hORFeome V8.1 Collection	401135	SYT14L	NR_027094.1	99-100% match to non-coding
ccsbBroadEn_10631	ccsbBroad304_10631	454	BC028735	401431	LOC401431	no errors	hORFeome V8.1 Collection	401431	LOC401431	NR_027040.1	99-100% match to non-coding
ccsbBroadEn_10632	ccsbBroad304_10632		BC036197	403312	MGC39545	no errors	hORFeome V8.1 Collection	403312	MGC39545	XR_110535.1; XR_111226.1; XR_114540.1	99-100% match to non-coding



ccsbBroadEn_10633	ccsbBroad304_10633	454	BC108662	404216	C10orf85	no errors	hORFeome V8.1 Collection	404216	C10orf85	XR_110462.1; XR_111110.1; XR_114437.1	99-100% match to non-coding
ccsbBroadEn_10634	ccsbBroad304_10634	454	BC067760	407835	LOC407835	no errors	hORFeome V8.1 Collection	407835	LOC407835	NR_002144.1	99-100% match to non-coding
ccsbBroadEn_10635	ccsbBroad304_10635			407975	MIR17HG	no errors	hORFeome V8.1 Collection	407975	MIR17HG	NR_027350.1	99-100% match to non-coding
ccsbBroadEn_10636	ccsbBroad304_10636	454	BC137361	439927	C1orf180	no errors	hORFeome V8.1 Collection	439927	C1orf180	NR_027379.1	99-100% match to non-coding
ccsbBroadEn_10637	ccsbBroad304_10637	454	BC066547	440157	LOC440157	no errors	hORFeome V8.1 Collection	440157	LOC440157	XR_110277.1	99-100% match to non-coding
ccsbBroadEn_10638	ccsbBroad304_10638	454	BC047442,BC066967	440278	CATSPER2P1	no errors	hORFeome V8.1 Collection	440278	CATSPER2P1	NR_002318.2	99-100% match to non-coding
ccsbBroadEn_10639	ccsbBroad304_10639		BC130355,BC130357	440337		no errors	hORFeome V8.1 Collection	440337	LOC440337	XR_109251.1; XR_111632.1; XR_114914.1	99-100% match to non-coding
ccsbBroadEn_10640	ccsbBroad304_10640		BC132910	440446	FLJ42842	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	440446	FLJ42842	XR_109407.1; XR_111720.1;	99-100% match to non-coding
ccsbBroadEn_10641	ccsbBroad304_10641	454	BC110822	440465	FLJ90757	no errors	hORFeome V8.1 Collection	440465	FLJ90757	NR_026857.1	99-100% match to non-coding
ccsbBroadEn_10642	ccsbBroad304_10642		BC029785	440556	FLJ42875	no errors	hORFeome V8.1 Collection	440556	FLJ42875	NR_024371.1	99-100% match to non-coding
ccsbBroadEn_10643	ccsbBroad304_10643		BC012108	440700	LOC440700	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	440700	LOC440700	NR_036683.1	99-100% match to non-coding
ccsbBroadEn_10644	ccsbBroad304_10644		BC025996	441046	LOC441046	no errors	hORFeome V8.1 Collection	441046	LOC441046	NR_003675.2	99-100% match to non-coding
ccsbBroadEn_10645	ccsbBroad304_10645		BC029568	441058	MGC39584	no errors	hORFeome V8.1 Collection	441058	MGC39584	XR_110795.1	99-100% match to non-coding
ccsbBroadEn_10646	ccsbBroad304_10646	454	BC110806	441177	LOC441177	no errors	hORFeome V8.1 Collection	441177	LOC441177	NR_027284.1	99-100% match to non-coding
ccsbBroadEn_10647	ccsbBroad304_10647	454	BC068459	441191	RNF216L	no errors	hORFeome V8.1 Collection	441191	RNF216L	NR_023384.1	99-100% match to non-coding
ccsbBroadEn_10648	ccsbBroad304_10648		BC126382,BC126384	441208	LOC441208	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	441208	LOC441208	NR_003502.2	99-100% match to non-coding
ccsbBroadEn_10649	ccsbBroad304_10649		BC056262	494141	LOC494141	no errors	hORFeome V8.1 Collection	494141	LOC494141	NR_026541.1; NR_026563.1; NR_026564.1	99-100% match to non-coding
ccsbBroadEn_10650	ccsbBroad304_10650		BC084570	554249	LOC554249	no errors	hORFeome V8.1 Collection	554249	LOC554249	XR_110603.1	99-100% match to non-coding
ccsbBroadEn_10651	ccsbBroad304_10651	454	BC085019	554250	GDF5OS	no errors	hORFeome V8.1 Collection	554250	GDF5OS	XR_109597.1; XR_112133.1; XR_115358.1	99-100% match to non-coding
ccsbBroadEn_10652	ccsbBroad304_10652	454	BC132945	606553	C8orf49	no errors	hORFeome V8.1 Collection	606553	C8orf49	XR_110589.1; XR_113107.1; XR_114139.1	99-100% match to non-coding
ccsbBroadEn_10653	ccsbBroad304_10653	454	BC043571	613266	LOC613266	no errors	hORFeome V8.1 Collection	100505556; 100509707	LOC100505556; LOC100509707	XR_109650.1; XR_115347.1	99-100% match to non-coding
ccsbBroadEn_10654	ccsbBroad304_10654	454	BC047098	641367	LOC641367	no errors	hORFeome V8.1 Collection	641367	LOC641367	NR_024523.1	99-100% match to non-coding
ccsbBroadEn_10655	ccsbBroad304_10655	454	BC137385	641384	TMEM75	no errors	hORFeome V8.1 Collection	641384	TMEM75	XR_108887.1; XR_113172.1; XR_114209.1	99-100% match to non-coding
ccsbBroadEn_10656	ccsbBroad304_10656	454	BC032956	641515	LOC641515	no errors	hORFeome V8.1 Collection	641515	LOC641515	XR_108331.1; XR_114966.1	99-100% match to non-coding
ccsbBroadEn_10657	ccsbBroad304_10657	454	BC140939	644767	FLJ44838	no errors	hORFeome V8.1 Collection	644767	FLJ44838	XR_110819.1; XR_111749.1;	99-100% match to non-coding
ccsbBroadEn_10658	ccsbBroad304_10658	454	BC110641	644945	KRT16P3	no errors	hORFeome V8.1 Collection	644945	KRT16P3	NR_115151.1; NR_029393.1	99-100% match to non-coding
ccsbBroadEn_10659	ccsbBroad304_10659	454	BC137313	646600	C3orf65	no errors	hORFeome V8.1 Collection	646600	C3orf65	NR_027317.1	99-100% match to non-coding
ccsbBroadEn_10660	ccsbBroad304_10660		BC141940	646938	LOC646938	no errors	hORFeome V8.1 Collection	646938	LOC646938	NR_036495.1	99-100% match to non-coding
ccsbBroadEn_10661	ccsbBroad304_10661	454	BC137437	649446	FLJ35776	no errors	hORFeome V8.1 Collection	649446	FLJ35776	NR_024101.1	99-100% match to non-coding
ccsbBroadEn_10662	ccsbBroad304_10662	454	BC111952	652276	LOC652276	no errors	hORFeome V8.1 Collection	652276	LOC652276	NR_015441.1	99-100% match to non-coding
ccsbBroadEn_10663	ccsbBroad304_10663	454	BC107894	654364	NME1-NME2	no errors	hORFeome V8.1 Collection	654364	NME1-NME2	NR_037149.1	99-100% match to non-coding
ccsbBroadEn_10664	ccsbBroad304_10664		BC119018	728276	LOC728276	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection	728276	LOC728276	NR_024436.1	99-100% match to non-coding
ccsbBroadEn_10665	ccsbBroad304_10665			100129534	LOC100129534	no errors	hORFeome V8.1 Collection	100129534	LOC100129534	NR_024489.1	99-100% match to non-coding
ccsbBroadEn_10666	ccsbBroad304_10666		BC000552	100132341	KIAA0664L3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection	100132341	KIAA0664L3	NR_024034.1	99-100% match to non-coding
ccsbBroadEn_10667	ccsbBroad304_10667		BC035719	1	A1BG	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10668	ccsbBroad304_10668		BC014122	14	AAMP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10669	ccsbBroad304_10669		BC008990	18	ABAT	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10670	ccsbBroad304_10670		BC010942	38	ACAT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10671	ccsbBroad304_10671	454	BC039065	130	ADH6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10672	ccsbBroad304_10672		BC041707,BC064411	140	ADORA3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10673	ccsbBroad304_10673		BC036797	157	ADRBK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10674	ccsbBroad304_10674		BC063421	208	AKT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10675	ccsbBroad304_10675	454	BC029399	229	ALDOB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10676	ccsbBroad304_10676		BC007546	275	AMT	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10677	ccsbBroad304_10677		BC029406	284	ANGPT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10678	ccsbBroad304_10678		BC007930	286	ANK1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10679	ccsbBroad304_10679		BC063672	307	ANXA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10680	ccsbBroad304_10680		BC027946	323	APBB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10681	ccsbBroad304_10681		BC040630	343	AQP8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10682	ccsbBroad304_10682		BC065270	344	APOC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10683	ccsbBroad304_10683		BC004369	351	APP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10684	ccsbBroad304_10684		BC062701	364	AQP7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10685	ccsbBroad304_10685		BC060838	405	ARNT	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10686	ccsbBroad304_10686		BC022309	462	SERPINC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10687	ccsbBroad304_10687		BC029653	463	ZFX3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10688	ccsbBroad304_10688		BC061584	472	ATM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10689	ccsbBroad304_10689		BC022307	472	ATM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10690	ccsbBroad304_10690		BC128575	491	ATP2B2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10691	ccsbBroad304_10691			527	ATP6V0C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10692	ccsbBroad304_10692		BC020722	549	AUH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10693	ccsbBroad304_10693		BC001658	550	AUP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10694	ccsbBroad304_10694		BC033864	586	BCAT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10695	ccsbBroad304_10695		BC008396	590	BCHE	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10696	ccsbBroad304_10696		BC014473	634	CEACAM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10697	ccsbBroad304_10697		BC004248	655	BMP7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10698	ccsbBroad304_10698		BC065536	667	DST	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10699	ccsbBroad304_10699		BC115037	672	BRCA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10700	ccsbBroad304_10700		BC007340	705	BYSL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10701	ccsbBroad304_10701		BC004938,BC020196	745	C11orf9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10702	ccsbBroad304_10702		BC021906	752	FMNL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10703	ccsbBroad304_10703		BC066971	753	C18orf1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10704	ccsbBroad304_10704		BC034350	765	CA6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10705	ccsbBroad304_10705		BC015531	767	CA8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10706	ccsbBroad304_10706		BC001012	771	CA12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10707	ccsbBroad304_10707		BC037311	782	CACNB1	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_10708	ccsbBroad304_10708		BC113406	838	CASP5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10709	ccsbBroad304_10709	454	BC074994	838	CASP5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10710	ccsbBroad304_10710	454	BC068050	841	CASP8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10711	ccsbBroad304_10711		BC013069	883	CCBL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10712	ccsbBroad304_10712		BC021262	883	CCBL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10713	ccsbBroad304_10713		BC032518	901	CCNG2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10714	ccsbBroad304_10714		BC031645	909	CD1A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10715	ccsbBroad304_10715		BC131693	913	CD1E	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10716	ccsbBroad304_10716		BC109306	933	CD22	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10717	ccsbBroad304_10717		BC022087	949	SCARB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10718	ccsbBroad304_10718		BC029869	956	ENTPD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10719	ccsbBroad304_10719		BC030224	962	CD48	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_10720	ccsbBroad304_10720		BC005930	965	CD58	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10721	ccsbBroad304_10721		BC030210	974	CD79B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10722	ccsbBroad304_10722		BC093640,BC093642	989	SEPT7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10723	ccsbBroad304_10723	454	BC117520	1003	CDH5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10724	ccsbBroad304_10724		BC000019	1004	CDH6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10725	ccsbBroad304_10725	454	BC036786	1005	CDH7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10726	ccsbBroad304_10726		BC027989	1021	CDK6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10727	ccsbBroad304_10727		BC015960,BC021998	1029	CDKN2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10728	ccsbBroad304_10728		BC017503	1039	CDR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10729	ccsbBroad304_10729		BC000644	1043	CD52	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10730	ccsbBroad304_10730		BC096252	1044	CDX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10731	ccsbBroad304_10731		BC030695	1060	CENPC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10732	ccsbBroad304_10732		BC117134	1105	CHD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10733	ccsbBroad304_10733		BC006314	1134	CHRNA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10734	ccsbBroad304_10734		BC111802	1146	CHRNA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10735	ccsbBroad304_10735		BC009793	1161	ERCC8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10736	ccsbBroad304_10736		BC021578	1181	CLCN2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10737	ccsbBroad304_10737		BC020873	1188	CLCNKB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10738	ccsbBroad304_10738		BC053603	1196	CLK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10739	ccsbBroad304_10739		BC007252	1280	COL2A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10740	ccsbBroad304_10740		BC005305	1288	COL4A6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10741	ccsbBroad304_10741		BC096296	1296	COL8A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10742	ccsbBroad304_10742		BC015409	1297	COL9A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10743	ccsbBroad304_10743		BC000419	1312	COMT	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10744	ccsbBroad304_10744		BC004301	1316	KLF6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10745	ccsbBroad304_10745		BC047869	1327	COX4I1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10746	ccsbBroad304_10746		BC133654	1347	COX7A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10747	ccsbBroad304_10747		BC131570	1375	CPT1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10748	ccsbBroad304_10748		BC000723	1384	CRAT	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10749	ccsbBroad304_10749		BC026175	1386	ATF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10750	ccsbBroad304_10750		BC008394	1388	ATF6B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10751	ccsbBroad304_10751		BC070257	1401	CRP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10752	ccsbBroad304_10752		BC041814	1408	CRY2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10753	ccsbBroad304_10753		BC114456	1418	CRYGA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10754	ccsbBroad304_10754		BC000105	1431	CS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10755	ccsbBroad304_10755		BC050524	1462	VCAN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10756	ccsbBroad304_10756		BC015797	1468	SLC25A10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10757	ccsbBroad304_10757		BC024007	1486	CTBS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10758	ccsbBroad304_10758		BC037900	1488	CTBP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10759	ccsbBroad304_10759		BC031262	1495	CTNNA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10760	ccsbBroad304_10760		BC010501	1500	CTNND1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10761	ccsbBroad304_10761		BC005385	1504	CTRB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10762	ccsbBroad304_10762		BC028224,BC033739	1535	CYBA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10763	ccsbBroad304_10763		BC020754	1559	CYP2C9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10764	ccsbBroad304_10764		BC096285	1584	CYP11B1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10765	ccsbBroad304_10765		BC035714	1588	CYP19A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10766	ccsbBroad304_10766		BC022896	1588	CYP19A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10767	ccsbBroad304_10767		BC001776	1594	CYP27B1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10768	ccsbBroad304_10768		BC021560	1620	DBC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10769	ccsbBroad304_10769		BC017174	1621	DBH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10770	Failed LR reaction		BC009631	1632	DCI	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10771	ccsbBroad304_10771		BC006163	1639	DCTN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10772	ccsbBroad304_10772		BC012739	1653	DDX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10773	ccsbBroad304_10773		BC111733	1663	DDX11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10774	ccsbBroad304_10774	454	BC106747	1669	DEFA4	no errors	hORFeome V8.1 Collection	1669	DEFA4	NM_001925.1	Full Length 99-100% match
ccsbBroadEn_10775	ccsbBroad304_10775		BC019689	1687	DFNA5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10776	ccsbBroad304_10776		BC007230	1690	COCH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10777	ccsbBroad304_10777		BC001121	1716	DGUOK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10778	ccsbBroad304_10778		BC117414	1730	DIAPH2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10779	ccsbBroad304_10779		BC017717	1735	DIO3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10780	Failed LR reaction		BC036189	1745	DLX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10781	ccsbBroad304_10781		BC069363	1750	DLX6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10782	ccsbBroad304_10782		BC019266	1762	DMWD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10783	ccsbBroad304_10783		BC111740	1763	DNA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10784	ccsbBroad304_10784		BC015442	1768	DNAH6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10785	ccsbBroad304_10785		BC113424	1768	DNAH6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10786	ccsbBroad304_10786		BC064521	1778	DYNC1H1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10787	ccsbBroad304_10787		BC015038	1781	DYNC1I2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10788	ccsbBroad304_10788		BC002864	1827	RCAN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10789	ccsbBroad304_10789		BC019107	1849	DUSP7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10790	ccsbBroad304_10790		BC050454	1855	DVL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10791	ccsbBroad304_10791		BC014484	1861	TOR1A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10792	ccsbBroad304_10792		BC007609	1870	E2F2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10793	ccsbBroad304_10793		BC016847	1871	E2F3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10794	ccsbBroad304_10794		BC014068	1877	E4F1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10795	ccsbBroad304_10795		BC073167	1902	LPAR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10796	ccsbBroad304_10796		BC017748	1911	PHC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10797	ccsbBroad304_10797		BC007949,BC021974	1937	EEF1G	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10798	ccsbBroad304_10798		BC035625	1959	EGR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10799	ccsbBroad304_10799		BC065025	1998	ELF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10800	ccsbBroad304_10800		BC059395	2015	EMR1	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_10801	ccsbBroad304_10801		BC096105	2035	EPB41	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10802	ccsbBroad304_10802		BC034718	2037	EPB41L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10803	ccsbBroad304_10803		BC027940	2045	EPHA7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10804	ccsbBroad304_10804		BC067861	2048	EPHB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10805	ccsbBroad304_10805		BC110606	2051	EPHB6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10806	ccsbBroad304_10806		BC002706	2065	ERBB3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10807	ccsbBroad304_10807		BC024181	2100	ESR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10808	ccsbBroad304_10808		BC064700	2104	ESRRG	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10809	ccsbBroad304_10809		BC017314	2113	ETS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10810	ccsbBroad304_10810		BC007242	2118	ETV4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10811	ccsbBroad304_10811		BC069498	2122	MECOM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10812	ccsbBroad304_10812		BC035572	2123	EVI2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10813	ccsbBroad304_10813	454	BC121798	2138	EYA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10814	ccsbBroad304_10814		BC008803	2139	EYA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10815	ccsbBroad304_10815		BC041667	2140	EYA3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10816	ccsbBroad304_10816		BC012390	2161	F12	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_10817	ccsbBroad304_10817		BC013582	2177	FANCD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10818	ccsbBroad304_10818		BC007909	2194	FASN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10819	ccsbBroad304_10819		BC033872	2207	FCER1G	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10820	ccsbBroad304_10820		BC020764	2243	FGA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10821	ccsbBroad304_10821		BC010956	2252	FGF7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10822	ccsbBroad304_10822		BC014501	2275	FHL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10823	ccsbBroad304_10823		BC017292	2319	FLOT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10824	ccsbBroad304_10824		BC003683	2319	FLOT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10825	ccsbBroad304_10825		BC038998	2332	FMR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10826	ccsbBroad304_10826		BC008899	2355	FOSL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10827	ccsbBroad304_10827	454	BC012462	2491	CENPI	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10828	ccsbBroad304_10828		BC034957	2515	ADAM2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10829	ccsbBroad304_10829		BC064547	2515	ADAM2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10830	ccsbBroad304_10830		BC017338	2517	FUCA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10831	ccsbBroad304_10831	454	BC142958	2530	FUT8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10832	ccsbBroad304_10832		BC022488	2555	GABRA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10833	ccsbBroad304_10833		BC059376	2564	GABRE	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10834	ccsbBroad304_10834		BC130344	2569	GABRR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10835	ccsbBroad304_10835		BC130352,BC130354	2570	GABRR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10836	ccsbBroad304_10836		BC056246	2591	GALNT3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10837	ccsbBroad304_10837		BC000065	2617	GARS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10838	ccsbBroad304_10838		BC013326	2620	GAS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10839	ccsbBroad304_10839		BC009797	2623	GATA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10840	ccsbBroad304_10840		BC000349	2630	GBAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10841	ccsbBroad304_10841		BC063819	2635	GBP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10842	ccsbBroad304_10842		BC130640,BC132795	2647	BLOC1S1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10843	ccsbBroad304_10843		BC009065	2653	GCSH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10844	ccsbBroad304_10844	454	BC028237	2662	GDF10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10845	ccsbBroad304_10845		BC028348	2671	GFER	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10846	ccsbBroad304_10846		BC069473,BC069504	2678	GGT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10847	ccsbBroad304_10847	454	BC045773	2683	B4GALT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10848	ccsbBroad304_10848		BC005111	2747	GLUD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10849	ccsbBroad304_10849		BC005359	2764	GMFB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10850	ccsbBroad304_10850		BC001528	2767	GNA11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10851	ccsbBroad304_10851		BC009457	2768	GNA12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10852	ccsbBroad304_10852		BC030027	2775	GNAO1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10853	ccsbBroad304_10853		BC069268	2801	GOLGA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10854	ccsbBroad304_10854		BC050444	2803	GOLGA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10855	ccsbBroad304_10855		BC001550	2810	SFN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10856	ccsbBroad304_10856		BC019874	2820	GPD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10857	ccsbBroad304_10857		BC018345	2872	MKNK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10858	ccsbBroad304_10858		BC000742	2876	GPX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10859	ccsbBroad304_10859		BC010157	2879	GPX4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10860	ccsbBroad304_10860		BC117464	2892	GRIA3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10861	ccsbBroad304_10861		BC047948	2894	GRID1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10862	ccsbBroad304_10862		BC000324	2896	GRN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10863	ccsbBroad304_10863		BC037954	2898	GRIK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10864	ccsbBroad304_10864		BC059384	2905	GRIN2C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10865	ccsbBroad304_10865		BC003514	2909	GRLF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10866	ccsbBroad304_10866		BC063439	2941	GSTA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10867	ccsbBroad304_10867		BC000212	2976	GTF3C2	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_10868	ccsbBroad304_10868		BC012627	2982	GUCY1A3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10869	ccsbBroad304_10869		BC013328	2993	GYP A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10870	ccsbBroad304_10870		BC063435	3054	HCFC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10871	ccsbBroad304_10871		BC030963	3070	HELLS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10872	ccsbBroad304_10872	454	BC074721	3077	HFE	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10873	ccsbBroad304_10873		BC008611	3105	HLA-A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10874	ccsbBroad304_10874		BC013187	3106	HLA-B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10875	ccsbBroad304_10875		BC008457	3107	HLA-C	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_10876	ccsbBroad304_10876		BC002463,BC004489	3107	HLA-C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10877	ccsbBroad304_10877		BC009956	3113	HLA-DPA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10878	ccsbBroad304_10878		BC013184	3115	HLA-DPB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10879	ccsbBroad304_10879		BC017967	3116	HLA-DPB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10880	ccsbBroad304_10880		BC125044	3117	HLA-DQA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10881	ccsbBroad304_10881		BC031995	3120	HLA-DQB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10882	ccsbBroad304_10882		BC007920	3123	HLA-DRB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10883	ccsbBroad304_10883		BC031023	3123	HLA-DRB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10884	ccsbBroad304_10884		BC108922	3123	HLA-DRB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10885	ccsbBroad304_10885	454	BC141846	3139	HLA-L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10886	ccsbBroad304_10886		BC108905	3161	HMMR	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10887	ccsbBroad304_10887		BC000506	3181	HNRNPA2B1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10888	ccsbBroad304_10888		BC096192	3211	HOXB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10889	ccsbBroad304_10889		BC121103	3238	HOXD12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10890	ccsbBroad304_10890		BC005395	3263	HPX	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10891	ccsbBroad304_10891		BC005329,BC064622	3298	HSF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10892	ccsbBroad304_10892		BC002526	3308	HSPA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10893	ccsbBroad304_10893		BC007276	3312	HSPA8	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_10894	ccsbBroad304_10894		BC010145	3338	DNAJC4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10895	ccsbBroad304_10895		BC002354,BC004453	3359	HTR3A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10896	ccsbBroad304_10896		BC008640	3382	ICA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10897	Failed LR reaction		BC005247,BC025375	3422	IDI1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10898	ccsbBroad304_10898		BC019227	3422	IDI1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10899	ccsbBroad304_10899		BC006170	3423	IDS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10900	ccsbBroad304_10900		BC020718	3426	CFI	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10901	ccsbBroad304_10901		BC010607	3480	IGF1R	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10902	ccsbBroad304_10902		BC042127	3481	IGF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10903	ccsbBroad304_10903		BC005951	3493	IGHA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10904	ccsbBroad304_10904		BC032249	3493	IGHA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10905	ccsbBroad304_10905		BC016369	3493	IGHA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10906	ccsbBroad304_10906		BC021276	3495	IGHD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10907	ccsbBroad304_10907		BC019046	3500	IGHG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10908	ccsbBroad304_10908		BC067091	3500	IGHG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10909	ccsbBroad304_10909	454	BC033178	3502	IGHG3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10910	ccsbBroad304_10910	454	BC025985	3503	IGHG4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10911	ccsbBroad304_10911		BC017356	3507	IGHM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10912	ccsbBroad304_10912		BC067092	3514	IGKC	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10913	ccsbBroad304_10913		BC012159	3535	IGL@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10914	ccsbBroad304_10914		BC028090	3535	IGL@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10915	ccsbBroad304_10915		BC030983	3535	IGL@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10916	ccsbBroad304_10916		BC033102	3535	IGL@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10917	ccsbBroad304_10917		BC007782	3537	IGLC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10918	ccsbBroad304_10918		BC034757	3549	IHH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10919	ccsbBroad304_10919	454	BC096138	3596	IL13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10920	ccsbBroad304_10920		BC040272	3603	IL16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10921	ccsbBroad304_10921		BC003086	3609	ILF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10922	ccsbBroad304_10922		BC031560	3613	IMPA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10923	ccsbBroad304_10923	454	BC106721	3640	INSL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10924	ccsbBroad304_10924		BC016341	3669	ISG20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10925	ccsbBroad304_10925		BC080190	3676	ITGA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10926	ccsbBroad304_10926		BC030198	3680	ITGA9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10927	ccsbBroad304_10927		BC002630	3696	ITGB8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10928	ccsbBroad304_10928		BC015009	3707	ITPKB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10929	ccsbBroad304_10929	454	BC039695	3717	JAK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10930	ccsbBroad304_10930		BC043564	3737	KCNA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10931	ccsbBroad304_10931	454	BC101769	3749	KCNC4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10932	ccsbBroad304_10932		BC036452	3753	KCNE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10933	ccsbBroad304_10933		BC006367	3755	KCNG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10934	ccsbBroad304_10934		BC062659	3778	KCNMA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10935	ccsbBroad304_10935		BC031828	3796	KIF2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10936	ccsbBroad304_10936		BC069344	3802	KIR2DL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10937	ccsbBroad304_10937		BC016754	3840	KPNA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10938	ccsbBroad304_10938		BC001497	3843	IPO5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10939	ccsbBroad304_10939		BC042174	3851	KRT4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10940	ccsbBroad304_10940		BC008200,BC011373	3856	KRT8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10941	ccsbBroad304_10941		BC021241	3887	KRT81	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_10942	ccsbBroad304_10942	454	BC052589	3902	LAG3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10943	ccsbBroad304_10943		BC015586	3915	LAMC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10944	Failed LR reaction		BC007560	3927	LASP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10945	ccsbBroad304_10945		BC022256	3929	LBP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10946	ccsbBroad304_10946		BC009026	3980	LIG3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10947	ccsbBroad304_10947		BC002448	3983	ABLIM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10948	ccsbBroad304_10948		BC007846	3992	FADS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10949	ccsbBroad304_10949		BC066353	4009	LMX1A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10950	ccsbBroad304_10950		BC069601	4010	LMX1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10951	ccsbBroad304_10951		BC113491	4010	LMX1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10952	ccsbBroad304_10952		BC045107	4035	LRP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10953	ccsbBroad304_10953		BC015823	4057	LTF	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10954	ccsbBroad304_10954		BC121049	4063	LY9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10955	ccsbBroad304_10955		BC000414	4088	SMAD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10956	ccsbBroad304_10956		BC039825	4117	MAK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10957	ccsbBroad304_10957	454	BC065827	4121	MAN1A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10958	ccsbBroad304_10958		BC008715,BC012794	4134	MAP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10959	ccsbBroad304_10959		BC139780	4135	MAP6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10960	ccsbBroad304_10960	454	BC041629	4150	MAZ	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10961	ccsbBroad304_10961		BC009398	4176	MCM7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10962	ccsbBroad304_10962		BC053871	4205	MEF2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10963	ccsbBroad304_10963		BC010464	4215	MAP3K3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10964	ccsbBroad304_10964		BC002544	4221	MEN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10965	ccsbBroad304_10965		BC017021	4223	MEOX2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10966	ccsbBroad304_10966		BC067220	4250	SCGB2A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10967	ccsbBroad304_10967		BC064355	4253	CTAGE5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10968	ccsbBroad304_10968		BC051363	4253	CTAGE5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10969	ccsbBroad304_10969	454	BC044218	4277	MICB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10970	ccsbBroad304_10970		BC133706	4293	MAP3K9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10971	ccsbBroad304_10971		BC007237	4302	MLLT6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10972	ccsbBroad304_10972		BC058286	4308	TRPM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10973	ccsbBroad304_10973		BC006412	4324	MMP15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10974	Failed LR reaction		BC035938	4340	MOG	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10975	ccsbBroad304_10975		BC017351	4351	MPI	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10976	ccsbBroad304_10976		BC030287	4355	MPP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10977	ccsbBroad304_10977	454	BC048330	4485	MST1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10978	ccsbBroad304_10978		BC001906	4580	MTX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10979	ccsbBroad304_10979	454	BC101186	4603	MYBL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10980	ccsbBroad304_10980		BC011864	4610	MYCL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10981	ccsbBroad304_10981		BC013589	4615	MYD88	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10982	ccsbBroad304_10982		BC011915	4627	MYH9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10983	ccsbBroad304_10983		BC030602	4642	MYO1D	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10984	ccsbBroad304_10984		BC041694	4651	MYO10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10985	ccsbBroad304_10985		BC071166	4660	PPP1R12B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_10986	ccsbBroad304_10986		BC062313	4661	MYT1	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_10987	ccsbBroad304_10987		BC007756	4665	NAB2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10988	ccsbBroad304_10988	454	BC100290	4682	NUBP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10989	ccsbBroad304_10989		BC002343	4691	NCL	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10990	ccsbBroad304_10990	454	BC063026	4708	NDUFB2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10991	ccsbBroad304_10991		BC012068	4719	NDUFS1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10992	ccsbBroad304_10992		BC033559	4735	SEPT2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10993	ccsbBroad304_10993		BC066952	4747	NEFL	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10994	ccsbBroad304_10994		BC065932	4751	NEK2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10995	ccsbBroad304_10995		BC007279	4771	NF2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10996	ccsbBroad304_10996		BC010623	4779	NFE2L1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10997	ccsbBroad304_10997		BC008782	4796	TONSL	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10998	ccsbBroad304_10998		BC057766	4815	NINJ2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_10999	ccsbBroad304_10999	454	BC106072	4839	NOP2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11000	ccsbBroad304_11000		BC010049	4841	NONO	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11001	ccsbBroad304_11001	454	BC071562	4853	NOTCH2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11002	ccsbBroad304_11002		BC009789	4867	NPHP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11003	ccsbBroad304_11003		BC016925	4899	NRF1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11004	ccsbBroad304_11004		BC015940	4907	NT5E	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11005	ccsbBroad304_11005		BC015787	4924	NUCB1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11006	ccsbBroad304_11006		BC012105	4931	NVL	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11007	ccsbBroad304_11007		BC093652	4946	OAZ1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11008	ccsbBroad304_11008		BC010629	4957	ODF2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11009	ccsbBroad304_11009	454	BC074742	4978	OPCML	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11010	ccsbBroad304_11010		BC005388	5000	ORC4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11011	ccsbBroad304_11011		BC030237	5003	SLC22A18AS	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11012	ccsbBroad304_11012		BC112331	5018	OXA1L	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11013	ccsbBroad304_11013		BC027949	5023	P2RX1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11014	ccsbBroad304_11014		BC009877	5032	P2RY11	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11015	ccsbBroad304_11015		BC022014	5071	PARK2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11016	ccsbBroad304_11016		BC107149	5078	PAX4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11017	ccsbBroad304_11017		BC016977	5090	PBX3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11018	ccsbBroad304_11018	454	BC000140	5095	PCCA	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11019	ccsbBroad304_11019		BC004321	5098	PCDHGC3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11020	ccsbBroad304_11020		BC000453	5108	PCM1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11021	ccsbBroad304_11021		BC007501	5110	PCMT1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11022	ccsbBroad304_11022		BC006190	5127	CDK16	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11023	ccsbBroad304_11023		BC008390	5144	PDE4D	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11024	ccsbBroad304_11024		BC015186	5156	PDGFRA	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11025	ccsbBroad304_11025		BC028207	5187	PER1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11026	ccsbBroad304_11026		BC072458	5187	PER1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11027	ccsbBroad304_11027		BC031606	5191	PEX7	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11028	ccsbBroad304_11028	454	BC096077	5207	PFKFB1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11029	ccsbBroad304_11029		BC042578	5225	PGC	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11030	ccsbBroad304_11030		BC020713	5268	SERPINB5	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11031	ccsbBroad304_11031		BC014170	5296	PIK3R2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11032	ccsbBroad304_11032		BC005386	5319	PLA2G1B	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11033	ccsbBroad304_11033		BC020786	5356	PLRG1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11034	ccsbBroad304_11034		BC017901	5359	PLSCR1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11035	ccsbBroad304_11035		BC032432	5361	PLXNA1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11036	ccsbBroad304_11036		BC128094	5364	PLXNB1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11037	ccsbBroad304_11037		BC032663	5366	PMAIP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11038	ccsbBroad304_11038		BC008410	5378	PMS1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11039	ccsbBroad304_11039		BC096331	5378	PMS1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11040	ccsbBroad304_11040	454	BC101598	5387	PMS2P3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11041	ccsbBroad304_11041		BC005233	5407	PNLIPRP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11042	ccsbBroad304_11042		BC021559	5426	POLE	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11043	ccsbBroad304_11043		BC015742	5429	POLH	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11044	ccsbBroad304_11044		BC067295	5430	POLR2A	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11045	ccsbBroad304_11045		BC046160	5445	PON2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11046	ccsbBroad304_11046		BC001664,BC052274	5451	POU2F1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11047	ccsbBroad304_11047		BC006101	5452	POU2F2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11048	ccsbBroad304_11048		BC000052	5465	PPARA	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11049	ccsbBroad304_11049		BC060758	5469	MED1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11050	ccsbBroad304_11050		BC012397,BC013001	5510	PPP1R7	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11051	ccsbBroad304_11051		BC032954	5522	PPP2R2C	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11052	ccsbBroad304_11052		BC016183	5527	PPP2R5C	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11053	ccsbBroad304_11053		BC064553	5554	PRH1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11054	ccsbBroad304_11054		BC002763	5576	PRKAR2A	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11055	ccsbBroad304_11055		BC001000	5583	PRKCH	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11056	ccsbBroad304_11056		BC013586	5589	PRKCSH	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11057	ccsbBroad304_11057		BC065516	5602	MAPK10	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11058	ccsbBroad304_11058		BC051731	5602	MAPK10	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11059	ccsbBroad304_11059		BC033823	5611	DNAJC3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11060	ccsbBroad304_11060		BC009012	5635	PRPSAP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11061	ccsbBroad304_11061		BC030260	5645	PRSS2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11062	ccsbBroad304_11062		BC128225	5646	PRSS3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11063	ccsbBroad304_11063		BC008405	5672	PSG4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11064	ccsbBroad304_11064		BC056249	5685	PSMA4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11065	ccsbBroad304_11065			5693	PSMB5	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn_11066	ccsbBroad304_11066	454	BC041057	5697	PYY	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11067	ccsbBroad304_11067		BC001164	5714	PSMD8	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11068	ccsbBroad304_11068		BC043542	5727	PTCH1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11069	ccsbBroad304_11069		BC118578	5733	PTGER3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11070	ccsbBroad304_11070		BC031578	5745	PTH1R	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11071	ccsbBroad304_11071		BC022344	5756	TWF1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11072	ccsbBroad304_11072		BC007616	5763	PTMS	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11073	ccsbBroad304_11073		BC017025	5763	PTMS	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11074	ccsbBroad304_11074		BC071574	5780	PTPN9	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11075	ccsbBroad304_11075		BC025181,BC030949	5781	PTPN11	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11076	ccsbBroad304_11076		BC051329	5787	PTPRB	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11077	ccsbBroad304_11077		BC063596	5796	PTPRK	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11078	ccsbBroad304_11078	454	BC051651	5797	PTPRM	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn_11079	ccsbBroad304_11079		BC007713	5798	PTPRN	no errors	hORFeome V8.1 Collection



ccsbBroadEn_11080	ccsbBroad304_11080		BC035960	5800	PTPRO	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11081	ccsbBroad304_11081		BC029496	5802	PTPRS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11082	ccsbBroad304_11082		BC111756	5858	PZP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11083	ccsbBroad304_11083		BC016634	5859	QARS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11084	ccsbBroad304_11084		BC001772	5859	QARS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11085	ccsbBroad304_11085		BC047865	5871	MAP4K2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11086	ccsbBroad304_11086	454	BC001459	5888	RAD51	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11087	ccsbBroad304_11087		BC000667	5889	RAD51C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11088	ccsbBroad304_11088		BC002723	5892	RAD51L3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11089	ccsbBroad304_11089		BC040275	5923	RASGRF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11090	ccsbBroad304_11090		BC030590	5932	RBBP8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11091	ccsbBroad304_11091		BC021120	5936	RBM4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11092	ccsbBroad304_11092		BC065192,BC080620	5937	RBMS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11093	ccsbBroad304_11093		BC121052	5947	RBP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11094	ccsbBroad304_11094		BC117191	5966	REL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11095	ccsbBroad304_11095		BC014095	5970	RELA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11096	ccsbBroad304_11096		BC003072	5979	RET	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11097	ccsbBroad304_11097		BC035297	5981	RFC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11098	ccsbBroad304_11098		BC067778	5991	RF33	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11099	ccsbBroad304_11099		BC015510	5996	RGS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11100	ccsbBroad304_11100		BC018072	5998	RGS3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11101	ccsbBroad304_11101		BC003629	6066	RNU2-1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11102	ccsbBroad304_11102		BC031624	6103	RPGR	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11103	ccsbBroad304_11103		BC004323	6122	RPL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11104	ccsbBroad304_11104		BC001882	6125	RPL5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11105	ccsbBroad304_11105		BC059950	6136	RPL12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11106	ccsbBroad304_11106		BC081565	6138	RPL15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11107	ccsbBroad304_11107		BC014919	6157	RPL27A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11108	ccsbBroad304_11108		BC007308	6191	RPS4X	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11109	ccsbBroad304_11109		BC053365	6198	RPS6KB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11110	ccsbBroad304_11110		BC071674	6217	RPS16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11111	ccsbBroad304_11111		BC027976	6227	RPS21	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11112	ccsbBroad304_11112		BC000314	6252	RTN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11113	ccsbBroad304_11113		BC111694	6252	RTN1	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11114	ccsbBroad304_11114		BC014244	6253	RTN2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11115	ccsbBroad304_11115		BC007022	6288	SAA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11116	ccsbBroad304_11116		BC002790	6296	ACSM3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11117	ccsbBroad304_11117		BC024245	6297	SALL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11118	ccsbBroad304_11118		BC021266	6324	SCN1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11119	ccsbBroad304_11119	454	BC071834	6348	CCL3	no errors	hORFeome V8.1 Collection	6348	CCL3	NM_002983.2	Full Length 99-100% match
ccsbBroadEn_11120	ccsbBroad304_11120		BC104226	6351	CCL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11121	ccsbBroad304_11121	454	BC107433	6351	CCL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11122	ccsbBroad304_11122	454	BC069107	6361	CCL17	1 synonymous error	hORFeome V8.1 Collection	6361	CCL17	NM_002987.2	Full Length 99-100% match
ccsbBroadEn_11123	ccsbBroad304_11123	454	BC125136	6370	CCL25	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11124	ccsbBroad304_11124		BC041016	6389	SDHA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11125	ccsbBroad304_11125		BC007096	6406	SEMG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11126	ccsbBroad304_11126		BC055416	6406	SEMG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11127	ccsbBroad304_11127		BC011635	6419	SETMAR	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11128	ccsbBroad304_11128		BC066958	6427	SRSF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11129	ccsbBroad304_11129		BC032825	6456	SH3GL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11130	ccsbBroad304_11130		BC042864	6457	SH3GL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11131	ccsbBroad304_11131		BC007380	6468	FBXW4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11132	ccsbBroad304_11132		BC010645	6484	ST3GAL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11133	ccsbBroad304_11133		BC012602	6504	SLAMF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11134	ccsbBroad304_11134		BC060041	6514	SLC2A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11135	ccsbBroad304_11135		BC131542	6524	SLC5A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11136	ccsbBroad304_11136		BC036083	6538	SLC6A11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11137	ccsbBroad304_11137		BC113661	6542	SLC7A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11138	ccsbBroad304_11138		BC012121	6548	SLC9A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11139	ccsbBroad304_11139		BC040138	6557	SLC12A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11140	ccsbBroad304_11140		BC009387	6570	SLC18A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11141	ccsbBroad304_11141	454	BC042452	6579	SLCO1A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11142	ccsbBroad304_11142		BC030978	6582	SLC22A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11143	ccsbBroad304_11143		BC030525	6583	SLC22A4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11144	ccsbBroad304_11144		BC005261	6588	SLN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11145	ccsbBroad304_11145		BC066596	6595	SMARCA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11146	ccsbBroad304_11146		BC041164	6609	SMPD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11147	ccsbBroad304_11147		BC036031	6619	SNAPC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11148	ccsbBroad304_11148		BC016934	6648	SOD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11149	ccsbBroad304_11149		BC060773	6660	SOX5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11150	ccsbBroad304_11150		BC005914	6668	SP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11151	ccsbBroad304_11151		BC016680	6668	SP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11152	ccsbBroad304_11152		BC011562	6672	SP100	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11153	ccsbBroad304_11153		BC007692	6687	SPG7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11154	ccsbBroad304_11154		BC056240	6699	SPRR1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11155	ccsbBroad304_11155	454	BC017802	6707	SPRR3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11156	ccsbBroad304_11156		BC010434	6710	SPTB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11157	ccsbBroad304_11157	454	BC020238	6730	SRP68	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11158	ccsbBroad304_11158		BC008077	6734	SRPR	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11159	ccsbBroad304_11159		BC012947	6744	SSFA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11160	ccsbBroad304_11160		BC103864	6759	SSX4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11161	ccsbBroad304_11161		BC015317	6767	ST13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11162	ccsbBroad304_11162		BC020868	6777	STAT5B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11163	ccsbBroad304_11163		BC005231	6789	STK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11164	ccsbBroad304_11164		BC014413	6793	STK10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11165	ccsbBroad304_11165		BC106879	6801	STRN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11166	ccsbBroad304_11166		BC012137	6811	STX5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11167	ccsbBroad304_11167		BC002645	6811	STX5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11168	ccsbBroad304_11168		BC041391	6867	TACC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11169	ccsbBroad304_11169		BC062687	6868	ADAM17	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11170	ccsbBroad304_11170		BC009680	6888	TALDO1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11171	ccsbBroad304_11171		BC002751	6891	TAP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11172	ccsbBroad304_11172		BC011515	6901	TAZ	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_11173	ccsbBroad304_11173		BC109054	6908	TBP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11174	ccsbBroad304_11174	454	BC121148	6915	TBXA2R	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11175	ccsbBroad304_11175		BC050623	6919	TCEA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11176	ccsbBroad304_11176		BC031056	6925	TCF4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11177	ccsbBroad304_11177		BC000853	6936	C2orf3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11178	ccsbBroad304_11178		BC018632	6947	TCN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11179	ccsbBroad304_11179		BC031551	6955	TRA@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11180	ccsbBroad304_11180		BC063432	6955	TRA@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11181	ccsbBroad304_11181		BC022317	6955	TRA@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11182	ccsbBroad304_11182		BC063385	6955	TRA@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11183	ccsbBroad304_11183		BC071739	6976	TRGV3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11184	ccsbBroad304_11184		BC027954	6981	TRGV7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11185	ccsbBroad304_11185		BC115398	7003	TEAD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11186	ccsbBroad304_11186		BC040499	7048	TGFBFR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11187	ccsbBroad304_11187		BC113846	7059	THBS3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11188	ccsbBroad304_11188	454	BC030025	7073	TIAL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11189	ccsbBroad304_11189	454	BC142970	7084	TK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11190	ccsbBroad304_11190		BC002433	7086	TKT	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11191	ccsbBroad304_11191		BC041831	7090	TLE3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11192	ccsbBroad304_11192	454	BC045650	7091	TLE4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11193	ccsbBroad304_11193		BC046241	7109	TRAPPC10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11194	ccsbBroad304_11194		BC101199	7115	TMSB4XP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11195	ccsbBroad304_11195		BC104196	7116	TMSB4XP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11196	ccsbBroad304_11196		BC128449	7127	TNFAIP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11197	ccsbBroad304_11197		BC064689	7128	TNFAIP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11198	ccsbBroad304_11198		BC062740	7170	TPM3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11199	ccsbBroad304_11199		BC063107	7173	TPO	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11200	ccsbBroad304_11200		BC022436	7178	TPT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11201	ccsbBroad304_11201		BC051670	7182	NR2C2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11202	ccsbBroad304_11202		BC002680	7205	TRIP6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11203	ccsbBroad304_11203		BC026914	7216	TRO	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11204	ccsbBroad304_11204		BC125020	7227	TRPS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11205	ccsbBroad304_11205		BC121113	7258	TSPY1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11206	ccsbBroad304_11206	454	BC048969	7259	TSPYL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11207	ccsbBroad304_11207		BC033772	7266	DNAJC7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11208	ccsbBroad304_11208		BC032714,BC065261	7287	TULP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11209	ccsbBroad304_11209	454	BC041663	7292	TNFSF4	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11210	ccsbBroad304_11210		BC113599	7310	ZRSR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11211	ccsbBroad304_11211		BC009271	7337	UBE3A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11212	ccsbBroad304_11212	454	BC098352	7350	UCP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11213	ccsbBroad304_11213		BC047030	7378	UPP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11214	ccsbBroad304_11214		BC071744	7404	UTY	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11215	ccsbBroad304_11215		BC026019	7408	VASP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11216	ccsbBroad304_11216		BC013361	7409	VAV1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11217	ccsbBroad304_11217		BC007562	7415	VCP	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11218	ccsbBroad304_11218	454	BC122550	7415	VCP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11219	ccsbBroad304_11219		BC015220	7439	BEST1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11220	ccsbBroad304_11220		BC002764	7469	WHSC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11221	ccsbBroad304_11221		BC064534	7484	WNT9B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11222	ccsbBroad304_11222		BC005126,BC007579	7511	XPNPPE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11223	ccsbBroad304_11223		BC010352	7529	YWHAB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11224	ccsbBroad304_11224		BC005068	7549	ZNF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11225	ccsbBroad304_11225		BC013603	7551	ZNF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11226	ccsbBroad304_11226		BC008031	7551	ZNF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11227	ccsbBroad304_11227		BC025265	7551	ZNF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11228	ccsbBroad304_11228		BC010996	7564	ZNF16	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11229	ccsbBroad304_11229		BC008211	7574	ZNF26	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11230	ccsbBroad304_11230		BC011404	7579	ZSCAN20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11231	ccsbBroad304_11231		BC126119	7581	ZNF33A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11232	ccsbBroad304_11232		BC047646	7639	ZNF85	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11233	ccsbBroad304_11233		BC021822	7652	ZNF99	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11234	ccsbBroad304_11234		BC035875	7690	ZNF131	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11235	ccsbBroad304_11235		BC131762	7697	ZNF138	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11236	ccsbBroad304_11236		BC018971	7707	ZNF148	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11237	ccsbBroad304_11237		BC113015	7733	ZNF180	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11238	ccsbBroad304_11238		BC013951	7741	ZNF187	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11239	ccsbBroad304_11239		BC126120	7743	ZNF189	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11240	ccsbBroad304_11240		BC014538	7762	ZNF215	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11241	ccsbBroad304_11241		BC016039	7775	ZNF232	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11242	ccsbBroad304_11242		BC046117	7802	DNAL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11243	Failed LR reaction	454	BC029141	7827	NPHS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11244	ccsbBroad304_11244		BC001676,BC007265	7866	IFRD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11245	ccsbBroad304_11245		BC009113	7869	SEMA3B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11246	ccsbBroad304_11246		BC013728	7879	RAB7A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11247	ccsbBroad304_11247		BC065926	7905	REEP5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11248	ccsbBroad304_11248		BC005286	7957	EPM2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11249	ccsbBroad304_11249		BC030954	7982	ST7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11250	ccsbBroad304_11250		BC023582,BC065183	8000	PSCA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11251	ccsbBroad304_11251	454	BC032124	8019	BRD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11252	ccsbBroad304_11252		BC030586	8027	STAM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11253	ccsbBroad304_11253		BC012736	8031	NCOA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11254	ccsbBroad304_11254		BC128536	8111	GPR68	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11255	ccsbBroad304_11255		BC125143	8125	ANP32A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11256	ccsbBroad304_11256		BC018096	8153	RND2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11257	ccsbBroad304_11257	454	BC142629	8174	MADCAM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11258	ccsbBroad304_11258		BC064558	8178	ELL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11259	ccsbBroad304_11259	454	BC125152	8193	DPF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11260	ccsbBroad304_11260		BC026214	8216	LZTR1	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11261	ccsbBroad304_11261		BC014636	8225	GTPBP6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11262	ccsbBroad304_11262		BC012494	8226	HDHD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11263	ccsbBroad304_11263		BC028151	8227	AKAP17A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11264	ccsbBroad304_11264		BC063377	8260	NAA10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11265	ccsbBroad304_11265		BC006295	8313	AXIN2	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_11266	ccsbBroad304_11266		BC096739	8337	HIST2H2AA3	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11267	ccsbBroad304_11267		BC011372	8341	HIST1H2BN	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11268	ccsbBroad304_11268		BC120939	8365	HIST1H4H	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11269	ccsbBroad304_11269		BC030587	8395	PIP5K1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11270	ccsbBroad304_11270		BC027459	8396	PIP4K2B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11271	ccsbBroad304_11271		BC005830	8416	ANXA9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11272	ccsbBroad304_11272		BC060806	8434	RECK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11273	ccsbBroad304_11273		BC008825,BC009392	8449	DHX16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11274	ccsbBroad304_11274		BC034318	8454	CUL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11275	ccsbBroad304_11275	454	BC030058	8458	TTF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11276	ccsbBroad304_11276	454	BC110351	8514	KCNAB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11277	ccsbBroad304_11277		BC063003	8520	HAT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11278	Failed LR reaction		BC005297	8564	KMO	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11279	ccsbBroad304_11279		BC003651	8566	PDXK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11280	ccsbBroad304_11280		BC014787	8568	RRP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11281	ccsbBroad304_11281		BC004111,BC013996	8574	AKR7A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11282	ccsbBroad304_11282		BC015614	8601	RGS20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11283	ccsbBroad304_11283		BC012919	8609	KLF7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11284	ccsbBroad304_11284		BC032654	8615	USO1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11285	ccsbBroad304_11285		BC015754	8618	CADPS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11286	ccsbBroad304_11286		BC131731	8618	CADPS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11287	ccsbBroad304_11287		BC104234	8620	NPFF	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11288	ccsbBroad304_11288		BC001274	8621	CDK13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11289	ccsbBroad304_11289	454	BC114558	8625	RFXANK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11290	ccsbBroad304_11290		BC112284	8632	DNAH17	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11291	ccsbBroad304_11291		BC033824	8650	NUMB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11292	ccsbBroad304_11292		BC020788	8650	NUMB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11293	ccsbBroad304_11293		BC010469	8682	PEA15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11294	ccsbBroad304_11294	454	BC043581	8689	KRT36	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11295	ccsbBroad304_11295		BC017713	8697	CDC23	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11296	ccsbBroad304_11296		BC002431	8704	B4GALT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11297	ccsbBroad304_11297		BC000313	8715	NOL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11298	ccsbBroad304_11298		BC026330	8720	MBTPS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11299	ccsbBroad304_11299		BC006383	8733	GPAA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11300	ccsbBroad304_11300		BC018058	8740	TNFSF14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11301	ccsbBroad304_11301		BC025378	8748	ADAM20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11302	ccsbBroad304_11302		BC058037	8756	ADAM7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11303	ccsbBroad304_11303	454	BC022504	8787	RGS9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11304	ccsbBroad304_11304		BC101164	8800	PEX11A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11305	ccsbBroad304_11305		BC047024	8801	SUCLG2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11306	ccsbBroad304_11306	454	BC000504	8802	SUCLG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11307	ccsbBroad304_11307		BC107064	8808	IL1RL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11308	ccsbBroad304_11308		BC022967	8816	DCAF5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11309	ccsbBroad304_11309		BC015374	8818	DPM2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11310	ccsbBroad304_11310		BC005273	8821	INPP4B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11311	ccsbBroad304_11311		BC009222	8828	NRP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11312	ccsbBroad304_11312		BC017304	8856	NR1I2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11313	ccsbBroad304_11313		BC021104	8862	APLN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11314	ccsbBroad304_11314		BC026102	8863	PER3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11315	ccsbBroad304_11315		BC065936	8869	ST3GAL5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11316	ccsbBroad304_11316		BC010875	8881	CDC16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11317	ccsbBroad304_11317		BC015734	8895	CPNE3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11318	ccsbBroad304_11318		BC051833	8906	AP1G2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11319	ccsbBroad304_11319		BC038960	8916	HERC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11320	ccsbBroad304_11320		BC007874	8939	FUBP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11321	ccsbBroad304_11321		BC010065	8943	AP3D1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11322	ccsbBroad304_11322		BC014312	8970	HIST1H2BJ	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11323	ccsbBroad304_11323		BC017062	8974	P4HA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11324	ccsbBroad304_11324		BC047896	8986	RPS6KA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11325	ccsbBroad304_11325		BC069319	8995	TNFSF18	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11326	ccsbBroad304_11326	454	BC067085	9026	HIP1R	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11327	ccsbBroad304_11327		BC007524,BC059946	9043	SPAG9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11328	ccsbBroad304_11328		BC005134	9045	RPL14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11329	ccsbBroad304_11329		BC009294	9045	RPL14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11330	ccsbBroad304_11330		BC005140	9055	PRC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11331	ccsbBroad304_11331	454	BC096276	9058	SLC13A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11332	ccsbBroad304_11332		BC015914	9064	MAP3K6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11333	ccsbBroad304_11333		BC029495	9098	USP6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11334	ccsbBroad304_11334		BC006177	9112	MTA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11335	ccsbBroad304_11335		BC015665	9113	LATS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11336	ccsbBroad304_11336		BC002767	9113	LATS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11337	ccsbBroad304_11337		BC021664	9122	SLC16A4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11338	ccsbBroad304_11338		BC109209	9127	P2RX6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11339	ccsbBroad304_11339		BC007424	9128	PRPF4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11340	ccsbBroad304_11340		BC007015	9134	CCNE2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11341	ccsbBroad304_11341		BC020729	9134	CCNE2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11342	ccsbBroad304_11342		BC040344	9139	CBFA2T2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11343	ccsbBroad304_11343		BC015066	9139	CBFA2T2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11344	ccsbBroad304_11344		BC111726	9175	MAP3K13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11345	ccsbBroad304_11345		BC020567	9181	ARHGEF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11346	ccsbBroad304_11346		BC012093	9202	ZMYM4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11347	ccsbBroad304_11347		BC007070	9204	ZMYM6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11348	ccsbBroad304_11348		BC010662	9208	LRRFIP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11349	ccsbBroad304_11349		BC002992	9218	VAPA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11350	ccsbBroad304_11350		BC006769	9221	NOLC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11351	ccsbBroad304_11351		BC009401	9235	IL32	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11352	ccsbBroad304_11352		BC034914	9236	CCPG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11353	ccsbBroad304_11353		BC001794	9253	NUMBL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11354	ccsbBroad304_11354		BC067806	9260	PDLIM7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11355	ccsbBroad304_11355		BC058863	9274	BCL7C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11356	ccsbBroad304_11356		BC029923	9314	KLF4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11357	ccsbBroad304_11357		BC002656	9321	TRIP11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11358	ccsbBroad304_11358		BC069620	9331	B4GALT6	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_11359	ccsbBroad304_11359		BC112367	9354	UBE4A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11360	ccsbBroad304_11360		BC001555	9360	PPIG	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11361	ccsbBroad304_11361		BC111693	9360	PPIG	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11362	ccsbBroad304_11362		BC018067	9364	RAB28	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11363	ccsbBroad304_11363		BC035973	9390	SLC22A13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11364	ccsbBroad304_11364		BC096239	9394	HS6ST1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11365	ccsbBroad304_11365		BC021697	9403	SEP15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11366	ccsbBroad304_11366	454	BC009011	9415	FADS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11367	ccsbBroad304_11367		BC119682	9425	CDYL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11368	ccsbBroad304_11368	454	BC043505	9459	ARHGGEF6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11369	ccsbBroad304_11369		BC101406	9464	HAND2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11370	ccsbBroad304_11370		BC000360	9470	EIF4E2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11371	ccsbBroad304_11371		BC111801	9475	ROCK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11372	ccsbBroad304_11372		BC015006	9478	CABP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11373	ccsbBroad304_11373		BC033091	9481	SLC25A27	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11374	ccsbBroad304_11374		BC029836	9491	PSMF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11375	ccsbBroad304_11375		CCSB53138	9491	PSMF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11376	ccsbBroad304_11376		BC025994	9498	SLC4A8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11377	ccsbBroad304_11377		BC030812	9507	ADAMTS4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11378	ccsbBroad304_11378		BC014079	9512	PMPCB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11379	ccsbBroad304_11379		BC010398	9512	PMPCB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11380	ccsbBroad304_11380	454	BC065294	9520	NPEPPS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11381	ccsbBroad304_11381		BC009787	9522	SCAMP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11382	ccsbBroad304_11382		BC016374	9528	TMEM59	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11383	ccsbBroad304_11383		BC003106	9528	TMEM59	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11384	ccsbBroad304_11384		BC056243	9534	ZNF254	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11385	ccsbBroad304_11385		BC065557	9537	TP53I11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11386	ccsbBroad304_11386		BC015040	9541	CIR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11387	ccsbBroad304_11387		BC008338	9546	APBA3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11388	ccsbBroad304_11388		BC003564	9550	ATP6V1G1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11389	ccsbBroad304_11389	454	BC077717	9557	CHD1L	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11390	ccsbBroad304_11390		BC035071	9568	GABBR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11391	ccsbBroad304_11391		BC053859	9582	APOBEC3B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11392	ccsbBroad304_11392		BC034477	9583	ENTPD4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11393	ccsbBroad304_11393		BC059400	9586	CREB5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11394	ccsbBroad304_11394		BC027731	9617	MTRF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11395	ccsbBroad304_11395	454	BC040552	9627	SNCAIP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11396	ccsbBroad304_11396		BC040474	9639	ARHGGEF10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11397	ccsbBroad304_11397		BC026270	9659	PDE4DIP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11398	ccsbBroad304_11398	454	BC025279	9667	SAFB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11399	ccsbBroad304_11399		BC037969	9671	WSCD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11400	ccsbBroad304_11400		BC013974	9672	SDC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11401	ccsbBroad304_11401		BC111699	9674	KIAA0040	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11402	ccsbBroad304_11402	454	BC050263	9677	PPIP5K1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11403	ccsbBroad304_11403		BC031654	9679	FAM53B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11404	ccsbBroad304_11404		BC026303	9689	BZW1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11405	ccsbBroad304_11405		BC014029	9690	UBE3C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11406	ccsbBroad304_11406		BC039711	9702	CEP57	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11407	ccsbBroad304_11407		BC128232	9710	KIAA0355	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11408	ccsbBroad304_11408		BC018396	9729	KIAA0408	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11409	ccsbBroad304_11409		BC050721	9731	KIAA0562	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11410	ccsbBroad304_11410	454	BC117694	9732	DOCK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11411	ccsbBroad304_11411		BC039075	9746	CLSTN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11412	ccsbBroad304_11412		BC039203	9771	RAPGEF5	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11413	ccsbBroad304_11413		BC008073	9780	FAM38A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11414	ccsbBroad304_11414		BC082231	9789	SPCS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11415	ccsbBroad304_11415		BC002376	9791	PTDSS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11416	Failed LR reaction		BC035554	9793	CKAP5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11417	ccsbBroad304_11417		BC000116	9798	KIAA0174	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11418	ccsbBroad304_11418		BC014223	9815	GIT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11419	ccsbBroad304_11419		BC109279	9829	DNAJC6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11420	ccsbBroad304_11420	454	BC152473	9834	KIAA0125	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11421	ccsbBroad304_11421		BC132732,BC132734	9840	KIAA0748	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11422	ccsbBroad304_11422	454	BC044578	9840	KIAA0748	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11423	ccsbBroad304_11423		BC001279	9848	MFAP3L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11424	ccsbBroad304_11424		BC109045	9849	ZNF518A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11425	ccsbBroad304_11425		BC021301	9855	FARP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11426	ccsbBroad304_11426		BC035761	9871	SEC24D	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11427	ccsbBroad304_11427		BC010394	9873	FCHSD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11428	ccsbBroad304_11428		BC060818	9892	SNAP91	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11429	ccsbBroad304_11429		BC039300	9901	SRGAP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11430	ccsbBroad304_11430		BC037399	9907	KIAA0415	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11431	ccsbBroad304_11431		BC041888	9910	RABGAP1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11432	ccsbBroad304_11432		BC036099	9915	ARNT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11433	ccsbBroad304_11433		BC020646	9936	CD302	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11434	ccsbBroad304_11434		BC039591	9938	ARHGAP25	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11435	ccsbBroad304_11435		BC104212	9941	EXOG	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11436	ccsbBroad304_11436		BC013155	9946	CRYZL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11437	ccsbBroad304_11437		BC013112	9962	SLC23A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11438	ccsbBroad304_11438		BC019225	9963	SLC23A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11439	ccsbBroad304_11439		BC130573	9971	NR1H4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11440	ccsbBroad304_11440		BC070035	9975	NR1D2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11441	ccsbBroad304_11441		BC007392	9987	HNRPDL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11442	ccsbBroad304_11442		BC044585	9991	ROD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11443	ccsbBroad304_11443		BC041421	10002	NR2E3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11444	ccsbBroad304_11444		BC038840	10003	NAALAD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11445	ccsbBroad304_11445		BC005872,BC011498	10013	HDAC6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11446	ccsbBroad304_11446		BC013737	10013	HDAC6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11447	ccsbBroad304_11447		BC015786	10019	SH2B3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11448	ccsbBroad304_11448		BC026186	10026	PIGK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11449	ccsbBroad304_11449		BC069536	10047	CST8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11450	ccsbBroad304_11450		BC109208	10050	SLC17A4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11451	ccsbBroad304_11451		BC005021	10053	AP1M2	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_11452	ccsbBroad304_11452			BC050616	10078	TSSC4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11453	ccsbBroad304_11453			BC053656	10085	EDIL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11454	ccsbBroad304_11454			BC057237	10092	ARPC5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11455	ccsbBroad304_11455			BC000704	10099	TSPAN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11456	ccsbBroad304_11456			BC032762	10133	OPTN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11457	ccsbBroad304_11457			BC015533	10142	AKAP9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11458	ccsbBroad304_11458			BC063126	10144	FAM13A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11459	ccsbBroad304_11459	454		BC020586	10147	SUGP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11460	ccsbBroad304_11460			BC113978	10149	GPR64	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11461	ccsbBroad304_11461			BC010395	10159	ATP6AP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11462	ccsbBroad304_11462			BC035282	10164	CHST4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11463	ccsbBroad304_11463			BC008214,BC038893	10169	SERF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11464	ccsbBroad304_11464			BC001438	10172	ZNF256	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11465	ccsbBroad304_11465			BC002957	10181	RBM5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11466	ccsbBroad304_11466			BC028164	10188	TNK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11467	ccsbBroad304_11467			BC024223	10190	TXNDC9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11468	ccsbBroad304_11468			BC007339	10202	DHRS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11469	ccsbBroad304_11469	454		BC142661	10207	INADL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11470	ccsbBroad304_11470			BC032128	10212	DDX39	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11471	ccsbBroad304_11471			BC010455	10212	DDX39	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11472	ccsbBroad304_11472			BC020749	10225	CD96	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11473	ccsbBroad304_11473			BC034248	10230	NBR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11474	ccsbBroad304_11474			BC004205	10253	SPRY2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11475	ccsbBroad304_11475			BC011604,BC012797	10256	CNKSR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11476	ccsbBroad304_11476			BC012595	10282	BET1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11477	ccsbBroad304_11477			BC030836	10284	SAP18	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11478	ccsbBroad304_11478			BC009872	10295	BCKDK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11479	ccsbBroad304_11479			BC001225,BC006470	10296	MAEA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11480	ccsbBroad304_11480			BC002921	10298	PAK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11481	Failed LR reaction			BC007666	10318	TNIP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11482	ccsbBroad304_11482			BC018349	10320	IKZF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11483	ccsbBroad304_11483			BC069580,BC069602	10321	CRISP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11484	ccsbBroad304_11484			BC110614	10332	CLEC4M	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11485	ccsbBroad304_11485			BC111755	10333	TLR6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11486	ccsbBroad304_11486			BC070290	10345	TRDN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11487	ccsbBroad304_11487			BC062472	10350	ABCA9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11488	ccsbBroad304_11488			BC047765	10351	ABCA8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11489	ccsbBroad304_11489			BC068078	10361	NPM2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11490	ccsbBroad304_11490			BC021585	10362	HMG20B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11491	ccsbBroad304_11491	454		BC017801	10380	BPNT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11492	ccsbBroad304_11492			BC006260	10397	NDRG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11493	ccsbBroad304_11493			BC001154,BC030556	10401	PIAS3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11494	ccsbBroad304_11494			BC040534	10411	RAPGEF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11495	ccsbBroad304_11495			BC033085	10420	TESK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11496	ccsbBroad304_11496			BC007763	10426	TUBGCP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11497	ccsbBroad304_11497			BC013781	10426	TUBGCP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11498	ccsbBroad304_11498			BC062707	10431	LOC10431	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11499	ccsbBroad304_11499				10436	EMG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11500	ccsbBroad304_11500			BC002668,BC033841	10455	PECI	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11501	ccsbBroad304_11501			BC014020	10458	BAIAP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11502	ccsbBroad304_11502			BC032559	10458	BAIAP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11503	ccsbBroad304_11503			BC114918	10461	MERTK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11504	ccsbBroad304_11504			BC027858	10462	CLEC10A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11505	ccsbBroad304_11505	454		BC041806	10464	PIBF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11506	ccsbBroad304_11506			BC004953	10489	LRRC41	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11507	ccsbBroad304_11507			BC019254	10495	ENOX2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11508	ccsbBroad304_11508			BC114623	10500	SEMA6C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11509	ccsbBroad304_11509	454		BC114521	10500	SEMA6C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11510	ccsbBroad304_11510			BC018361	10505	SEMA4F	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11511	ccsbBroad304_11511			BC028364	10517	FBXW10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11512	ccsbBroad304_11512	454		BC110856	10520	ZNF211	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11513	ccsbBroad304_11513			BC000595	10521	DDX17	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11514	ccsbBroad304_11514			BC004560	10525	HYOU1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11515	ccsbBroad304_11515			BC004937	10528	NOP56	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11516	ccsbBroad304_11516	454		BC110452	10529	NEBL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11517	ccsbBroad304_11517			BC001150	10531	PITRM1	1 synonomous error	hORFeome V8.1 Collection				
ccsbBroadEn_11518	ccsbBroad304_11518			BC017217	10536	LEPREL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11519	ccsbBroad304_11519			BC014372	10539	GLRX3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11520	ccsbBroad304_11520			BC000718,BC014083	10540	DCTN2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11521	ccsbBroad304_11521			BC019292	10555	AGPAT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11522	ccsbBroad304_11522			BC068537	10558	SPTLC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11523	ccsbBroad304_11523			BC018514	10560	SLC19A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11524	ccsbBroad304_11524			BC042612	10580	SORBS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11525	ccsbBroad304_11525			BC009696	10581	IFITM2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11526	ccsbBroad304_11526			BC117354	10587	TXNRD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11527	ccsbBroad304_11527			BC030777	10600	USP16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11528	ccsbBroad304_11528			BC002713	10608	MXD4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11529	ccsbBroad304_11529			BC000983	10616	RBCK1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11530	ccsbBroad304_11530			BC060824	10620	ARID3B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11531	ccsbBroad304_11531			BC008785	10629	TAF6L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11532	ccsbBroad304_11532			BC014668	10630	PDPN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11533	ccsbBroad304_11533			BC005973	10635	RAD51AP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11534	ccsbBroad304_11534			BC051296	10643	IGF2BP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11535	ccsbBroad304_11535			BC007528	10650	SLMO1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11536	ccsbBroad304_11536			BC034764	10669	CGREF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11537	ccsbBroad304_11537			BC111730	10677	AVIL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11538	ccsbBroad304_11538			BC011671	10681	GNB5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11539	ccsbBroad304_11539			BC008854	10712	FAM189B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11540	ccsbBroad304_11540			BC108908	10714	POLD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11541	ccsbBroad304_11541	454		BC084582	10715	LASS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11542	ccsbBroad304_11542			BC039583	10724	MGEA5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11543	ccsbBroad304_11543			BC002447	10745	PHTF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11544	ccsbBroad304_11544	454		BC104918	10752	CHL1	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_11545	ccsbBroad304_11545	454	BC027993	10753	CAPN9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11546	ccsbBroad304_11546		BC007576,BC016942	10768	AHCYL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11547	ccsbBroad304_11547		BC034784	10771	ZMYND11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11548	ccsbBroad304_11548		BC001074	10785	WDR4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11549	ccsbBroad304_11549		BC019234	10793	ZNF273	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11550	ccsbBroad304_11550		BC063818	10793	ZNF273	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11551	ccsbBroad304_11551		BC001548,BC017054	10797	MTHFD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11552	ccsbBroad304_11552		BC015062	10797	MTHFD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11553	ccsbBroad304_11553		BC017871	10799	RPP40	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11554	ccsbBroad304_11554		BC014515	10807	SDCCAG3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11555	ccsbBroad304_11555	454	BC050283	10810	WASF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11556	ccsbBroad304_11556		BC027241	10840	ALDH1L1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11557	ccsbBroad304_11557		BC008355	10856	RUVBL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11558	ccsbBroad304_11558		BC067301	10865	ARID5A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11559	ccsbBroad304_11559		BC106759	10866	HCP5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11560	ccsbBroad304_11560		BC034280	10867	TSPAN9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11561	ccsbBroad304_11561		BC017813	10875	FGL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11562	ccsbBroad304_11562		BC020687	10878	CFHR3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11563	ccsbBroad304_11563		BC070259	10878	CFHR3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11564	ccsbBroad304_11564		BC058836	10885	WDR3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11565	ccsbBroad304_11565		BC050738	10898	CPSF4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11566	ccsbBroad304_11566		BC004239	10899	JTB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11567	ccsbBroad304_11567		BC008039	10902	BRD8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11568	ccsbBroad304_11568		BC064372	10903	MTMR11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11569	ccsbBroad304_11569		BC126443	10911	UTS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11570	Failed LR reaction		BC000927	10914	PAPOLA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11571	ccsbBroad304_11571		BC002686,BC020970	10919	EHMT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11572	ccsbBroad304_11572	454	BC057783	10929	SRSF8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11573	ccsbBroad304_11573		BC008958	10945	KDELRL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11574	ccsbBroad304_11574		BC056257	10947	AP3M2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11575	ccsbBroad304_11575		BC004436	10965	ACOT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11576	ccsbBroad304_11576		BC007610	10992	SF3B2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11577	ccsbBroad304_11577		BC020750	10993	SDS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11578	ccsbBroad304_11578		BC009959	10999	SLC27A4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11579	ccsbBroad304_11579		BC029792	11000	SLC27A3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11580	ccsbBroad304_11580		BC044925	11011	TLK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11581	ccsbBroad304_11581		BC062751	11019	LIAS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11582	ccsbBroad304_11582	454	BC112198	11025	LILRB3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11583	ccsbBroad304_11583		BC041668	11035	RIPK3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11584	ccsbBroad304_11584	454	BC107097	11045	UPK1A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11585	ccsbBroad304_11585		BC005000	11052	CPSF6	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11586	ccsbBroad304_11586		BC000714	11052	CPSF6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11587	ccsbBroad304_11587		BC014137	11054	OGFR	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11588	ccsbBroad304_11588		BC111774	11062	DUS4L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11589	ccsbBroad304_11589		BC126209	11073	TOPBP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11590	ccsbBroad304_11590		BC016866	11074	TRIM31	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11591	ccsbBroad304_11591		BC000770	11083	DIDO1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11592	ccsbBroad304_11592		BC012940	11092	C9orf9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11593	ccsbBroad304_11593		BC005327	11097	NUPL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11594	ccsbBroad304_11594		BC027713	11100	HNRNPUL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11595	ccsbBroad304_11595		BC050428	11104	KATNA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11596	ccsbBroad304_11596		BC066942	11107	PRDM5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11597	ccsbBroad304_11597		BC121037	11107	PRDM5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11598	ccsbBroad304_11598		BC007530	11117	EMILIN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11599	ccsbBroad304_11599		BC013178	11129	CLASRP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11600	ccsbBroad304_11600		BC033733	11131	CAPN11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11601	ccsbBroad304_11601		BC010921	11137	PWP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11602	ccsbBroad304_11602		BC035658	11144	DMC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11603	ccsbBroad304_11603		BC040502	11149	BVES	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11604	ccsbBroad304_11604		BC020495	11158	RABL2B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11605	ccsbBroad304_11605		BC126129	11159	RABL2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11606	ccsbBroad304_11606	454	BC111008	11159	RABL2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11607	ccsbBroad304_11607		BC067765	11160	ERLIN2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11608	ccsbBroad304_11608		BC020626	11179	ZNF277	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11609	ccsbBroad304_11609		BC002826	11180	WDR6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11610	ccsbBroad304_11610		BC109206	11181	TREH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11611	ccsbBroad304_11611	454	BC052491	11189	CELF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11612	ccsbBroad304_11612		BC032662	11201	POLI	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11613	ccsbBroad304_11613		BC050312	11214	AKAP13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11614	ccsbBroad304_11614	454	BC142703	11227	GALNT5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11615	ccsbBroad304_11615		BC067106	11245	GPR176	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11616	ccsbBroad304_11616		BC008373	11261	CHP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11617	ccsbBroad304_11617		BC038830	11267	SNF8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11618	ccsbBroad304_11618		BC009464	11282	MGAT4B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11619	ccsbBroad304_11619		BC002519	11284	PNKP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11620	ccsbBroad304_11620		BC007451	11321	GPN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11621	ccsbBroad304_11621		BC035648	11322	TMC6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11622	ccsbBroad304_11622		BC007766	11322	TMC6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11623	ccsbBroad304_11623		BC017365	11332	ACOT7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11624	ccsbBroad304_11624		BC017583	11341	SCRG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11625	ccsbBroad304_11625		BC035608	22795	NID2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11626	ccsbBroad304_11626		BC113689	22802	CLCA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11627	ccsbBroad304_11627		BC006417	22803	XRN2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11628	ccsbBroad304_11628		BC047690	22808	MRAS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11629	ccsbBroad304_11629		BC009734	22827	PUF60	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11630	ccsbBroad304_11630		BC032567	22829	NLGN4Y	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11631	ccsbBroad304_11631		BC063632	22832	KIAA1009	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11632	ccsbBroad304_11632		BC006264	22837	COBLL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11633	ccsbBroad304_11633	454	BC151228	22843	PPM1E	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11634	ccsbBroad304_11634		BC009031	22846	VASH1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11635	ccsbBroad304_11635	454	BC130453	22852	ANKRD26	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11636	ccsbBroad304_11636		BC035807	22858	ICK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11637	ccsbBroad304_11637		BC047883	22872	SEC31A	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_11638	ccsbBroad304_11638		BC039704	22877	MLXIP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11639	ccsbBroad304_11639		BC059380	22878	TRAPPC8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11640	ccsbBroad304_11640		BC127109	22878	TRAPPC8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11641	ccsbBroad304_11641		BC018044	22884	WDR37	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11642	ccsbBroad304_11642		BC001665	22885	ABLIM3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11643	ccsbBroad304_11643		BC027182	22889	KIAA0907	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11644	ccsbBroad304_11644	454	BC038101	22894	DIS3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11645	ccsbBroad304_11645		BC015922	22906	TRAK1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11646	ccsbBroad304_11646		BC014237	22907	DHX30	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11647	ccsbBroad304_11647		BC047882	22909	FAN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11648	ccsbBroad304_11648		BC039254	22911	WDR47	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11649	ccsbBroad304_11649	454	BC103753	22913	RALY	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11650	ccsbBroad304_11650	454	BC067899	22917	ZP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11651	ccsbBroad304_11651		BC014969	22926	ATF6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11652	ccsbBroad304_11652		BC017101	22932	POMZP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11653	ccsbBroad304_11653		BC015529	22934	RPIA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11654	ccsbBroad304_11654		BC020987	22937	SCAP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11655	ccsbBroad304_11655		BC109200	22953	P2RX2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11656	ccsbBroad304_11656		BC027985	22983	MAST1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11657	ccsbBroad304_11657		BC068200	22998	LIMCH1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11658	ccsbBroad304_11658		BC015214	23001	WDFY3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11659	ccsbBroad304_11659	454	BC042333	23014	FBXO21	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11660	ccsbBroad304_11660		BC029451	23029	RBM34	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11661	ccsbBroad304_11661		BC063889	23030	KDM4B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11662	ccsbBroad304_11662		BC057838	23034	SAMD4A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11663	ccsbBroad304_11663		BC036520	23042	PDXDC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11664	ccsbBroad304_11664	454	BC137281	23046	KIF21B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11665	ccsbBroad304_11665		BC039256	23047	PDS5B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11666	ccsbBroad304_11666		BC070274	23047	PDS5B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11667	ccsbBroad304_11667		BC017070	23059	CLUAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11668	ccsbBroad304_11668		BC000701	23061	TBC1D9B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11669	ccsbBroad304_11669		BC017393	23063	WAPAL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11670	ccsbBroad304_11670		BC032600	23064	SETX	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11671	ccsbBroad304_11671		BC005065	23085	ERC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11672	ccsbBroad304_11672		BC018337	23087	TRIM35	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11673	ccsbBroad304_11673		BC002766	23093	TTLL5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11674	ccsbBroad304_11674		BC001415	23095	KIF1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11675	ccsbBroad304_11675	454	BC064632	23101	MCF2L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11676	ccsbBroad304_11676	454	BC152465	23102	TBC1D2B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11677	ccsbBroad304_11677	454	BC024300	23105	FSTL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11678	ccsbBroad304_11678		BC030521	23107	MRPS27	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11679	ccsbBroad304_11679		BC029035	23122	CLASP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11680	ccsbBroad304_11680		BC032381	23125	CAMTA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11681	ccsbBroad304_11681		BC057773	23126	POGZ	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11682	ccsbBroad304_11682		BC024298	23132	RAD54L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11683	ccsbBroad304_11683		BC008377	23136	EPB41L3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11684	ccsbBroad304_11684		BC006141	23136	EPB41L3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11685	ccsbBroad304_11685		BC053897	23142	DCUN1D4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11686	ccsbBroad304_11686		BC034435	23144	ZC3H3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11687	ccsbBroad304_11687		BC008999	23172	FAM175B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11688	ccsbBroad304_11688	454	BC030054	23173	METAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11689	ccsbBroad304_11689		BC007926,BC028304	23174	ZCCHC14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11690	ccsbBroad304_11690		BC014510	23187	PHLDB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11691	ccsbBroad304_11691		BC020806	23190	UBXN4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11692	ccsbBroad304_11692	454	BC065266	23193	GANAB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11693	ccsbBroad304_11693		BC033880	23200	ATP11B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11694	ccsbBroad304_11694		BC042180	23200	ATP11B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11695	ccsbBroad304_11695		BC010518	23209	MLC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11696	ccsbBroad304_11696		BC068565	23213	SULF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11697	ccsbBroad304_11697		BC014071	23214	XPO6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11698	ccsbBroad304_11698		BC119011	23220	DTX4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11699	ccsbBroad304_11699		BC042134	23224	SYNE2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11700	ccsbBroad304_11700	454	BC067089	23225	NUP210	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11701	ccsbBroad304_11701		BC060867	23231	SEL1L3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11702	ccsbBroad304_11702		BC009650	23244	PDS5A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11703	ccsbBroad304_11703		BC134416	23252	OTUD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11704	ccsbBroad304_11704		BC057225	23253	ANKRD12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11705	ccsbBroad304_11705		BC113621	23254	KAZ	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11706	ccsbBroad304_11706		BC009354	23258	DENND5A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11707	ccsbBroad304_11707		BC010504	23259	DDHD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11708	ccsbBroad304_11708		BC020208	23263	MCF2L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11709	ccsbBroad304_11709		BC015165	23265	EXOC7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11710	ccsbBroad304_11710		BC041628	23268	DNMBP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11711	ccsbBroad304_11711		BC129987	23272	C3orf63	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11712	ccsbBroad304_11712		BC032620	23276	KLHL18	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11713	ccsbBroad304_11713		BC064916	23293	SMG6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11714	ccsbBroad304_11714		BC002701	23300	ATMIN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11715	ccsbBroad304_11715		BC029477	23301	EHBP1	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11716	ccsbBroad304_11716		BC047453	23305	ACSL6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11717	ccsbBroad304_11717		BC011408	23310	NCAPD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11718	ccsbBroad304_11718		BC053595	23313	C22orf9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11719	ccsbBroad304_11719		BC126898	23326	USP22	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11720	ccsbBroad304_11720		BC032563	23332	CLASP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11721	ccsbBroad304_11721		BC131558	23335	WDR7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11722	ccsbBroad304_11722		BC021962	23338	PHF15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11723	ccsbBroad304_11723		BC015817	23339	VPS39	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11724	ccsbBroad304_11724		BC035774	23347	SMCHD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11725	ccsbBroad304_11725		BC111692	23350	SR140	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11726	ccsbBroad304_11726		BC127817	23359	FAM189A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11727	ccsbBroad304_11727		BC037404	23360	FNBP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11728	ccsbBroad304_11728		BC011238	23362	PSD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11729	ccsbBroad304_11729		BC061909	23363	OBSL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11730	ccsbBroad304_11730		BC110422	23366	KIAA0895	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_11731	ccsbBroad304_11731		BC008016,BC014994	23370	ARHGEF18	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11732	ccsbBroad304_11732		BC063863	23383	MAU2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11733	ccsbBroad304_11733		BC047621	23385	NCSTN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11734	ccsbBroad304_11734	454	BC000286	23417	MLYCD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11735	ccsbBroad304_11735		BC005136	23443	SLC35A3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11736	ccsbBroad304_11736		BC000463	23450	SF3B3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11737	ccsbBroad304_11737		BC017348	23457	ABC89	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11738	ccsbBroad304_11738	454	BC035266	23476	BRD4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11739	ccsbBroad304_11739		BC109392	23495	TNFRSF13B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11740	ccsbBroad304_11740		BC078153	23500	DAAM2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11741	ccsbBroad304_11741		BC008927	23503	ZFYVE26	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11742	ccsbBroad304_11742		BC036841	23505	TMEM131	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11743	ccsbBroad304_11743		BC028212	23533	PIK3R5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11744	ccsbBroad304_11744		BC009940	23542	MAPK8IP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11745	ccsbBroad304_11745		BC013115	23543	RBFOX2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11746	ccsbBroad304_11746		BC109198	23547	LILRA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11747	ccsbBroad304_11747		BC000653	23549	DNPEP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11748	ccsbBroad304_11748		BC003040	23549	DNPEP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11749	ccsbBroad304_11749		BC035307	23550	PSD4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11750	ccsbBroad304_11750		BC000417	23583	SMUG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11751	ccsbBroad304_11751		BC002762	23587	C17orf81	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11752	ccsbBroad304_11752	454	BC063635	23590	PDSS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11753	ccsbBroad304_11753	454	BC146802	23613	ZMYND8	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11754	ccsbBroad304_11754		BC023991	23625	FAM89B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11755	ccsbBroad304_11755		BC001236	23640	HSPBP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11756	ccsbBroad304_11756		BC011640	23659	PLA2G15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11757	ccsbBroad304_11757		BC047021	23705	CADM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11758	ccsbBroad304_11758		BC031427	23760	PITPNB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11759	ccsbBroad304_11759		BC009966	23770	FKBP8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11760	ccsbBroad304_11760		BC003032	23786	BCL2L13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11761	ccsbBroad304_11761		BC000702,BC009962	23787	MTCH1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11762	ccsbBroad304_11762		BC040659	23787	MTCH1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11763	ccsbBroad304_11763		BC010160	24146	CLDN15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11764	ccsbBroad304_11764		BC025668	25758	C11orf41	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11765	ccsbBroad304_11765		BC002743	25771	TBC1D22A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11766	ccsbBroad304_11766		BC033710	25788	RAD54B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11767	ccsbBroad304_11767	454	BC089391	25790	CCDC19	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11768	ccsbBroad304_11768		BC007717	25799	ZNF324	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11769	ccsbBroad304_11769	454	BC039396	25817	FAM19A5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11770	ccsbBroad304_11770		BC012115	25822	DNAJB5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11771	ccsbBroad304_11771		BC028171	25830	SULT4A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11772	ccsbBroad304_11772		BC013347	25839	COG4	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11773	ccsbBroad304_11773		BC006306	25839	COG4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11774	ccsbBroad304_11774	454	BC093968	25841	ABTB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11775	ccsbBroad304_11775		BC015600	25870	SUMF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11776	ccsbBroad304_11776		BC065222	25870	SUMF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11777	ccsbBroad304_11777		BC022476	25876	SPEF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11778	ccsbBroad304_11778		BC007417	25886	POC1A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11779	ccsbBroad304_11779		BC031057	25898	RCHY1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11780	ccsbBroad304_11780		BC013019	25901	CCDC28A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11781	ccsbBroad304_11781		BC000758	25901	CCDC28A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11782	ccsbBroad304_11782		BC017477	25902	MTHFD1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11783	ccsbBroad304_11783		BC008306	25912	C1orf43	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11784	ccsbBroad304_11784		BC026967	25921	ZDHC5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11785	ccsbBroad304_11785		BC062720	25938	HEATR5A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11786	ccsbBroad304_11786		BC015178	25941	C18orf10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11787	ccsbBroad304_11787		BC022199	25941	C18orf10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11788	ccsbBroad304_11788		BC066364	25942	SIN3A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11789	ccsbBroad304_11789		BC067808	25945	PVRL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11790	ccsbBroad304_11790		BC044569	25956	SEC31B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11791	ccsbBroad304_11791		BC046173	25961	NUDT13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11792	ccsbBroad304_11792		BC062323	25966	C2CD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11793	ccsbBroad304_11793		BC010704	25970	SH2B1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11794	ccsbBroad304_11794		BC006122	25974	MMACHC	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11795	ccsbBroad304_11795		BC002888	25977	NECAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11796	ccsbBroad304_11796		BC056423	25989	ULK3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11797	ccsbBroad304_11797		BC072453	26000	TBC1D10B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11798	ccsbBroad304_11798		BC018736	26010	SPATS2L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11799	ccsbBroad304_11799	454	BC071561	26018	LRIG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11800	ccsbBroad304_11800		BC001517	26027	ACOT11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11801	ccsbBroad304_11801		BC129953	26030	PLEKHG3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11802	ccsbBroad304_11802	454	BC129952	26030	PLEKHG3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11803	ccsbBroad304_11803		BC021712	26036	ZNF451	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11804	ccsbBroad304_11804		BC064546	26052	DNM3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11805	Failed LR reaction		BC007440	26061	HACL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11806	ccsbBroad304_11806		BC016628	26084	ARHGEF26	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11807	ccsbBroad304_11807		BC009979,BC017353	26086	GPSM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11808	ccsbBroad304_11808		BC023247	26092	TOR1AIP1	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_11809	ccsbBroad304_11809		BC036539	26095	PTPN20B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11810	ccsbBroad304_11810		BC120961	26097	C1orf77	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11811	ccsbBroad304_11811		BC016647	26112	CCDC69	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11812	ccsbBroad304_11812		BC029770	26119	LDLRAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11813	ccsbBroad304_11813	454	BC093818	26122	EPC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11814	ccsbBroad304_11814		BC009494	26123	TCTN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11815	ccsbBroad304_11815		BC009479	26140	TTLL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11816	ccsbBroad304_11816		BC098298	26140	TTLL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11817	ccsbBroad304_11817		BC031626	26149	ZNF658	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11818	ccsbBroad304_11818		BC003024	26150	RIBC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11819	ccsbBroad304_11819		BC004225	26151	NAT9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11820	ccsbBroad304_11820		BC017785	26191	PTPN22	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11821	ccsbBroad304_11821		BC106753	26223	FBXL21	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11822	ccsbBroad304_11822		BC034035	26249	KLHL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11823	ccsbBroad304_11823	454	BC125124	26267	FBXO10	no errors	hORFeome V8.1 Collection				



ccsbBroadEn_11824	ccsbBroad304_11824		BC005190	26275	HIBCH	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11825	ccsbBroad304_11825		BC103937	26468	LHX6	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11826	ccsbBroad304_11826		BC052800	26469	PTPN18	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11827	ccsbBroad304_11827		BC098103	26507	CNNM1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11828	ccsbBroad304_11828	454	BC052617	26509	MYOF	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11829	ccsbBroad304_11829		BC000711	26521	TIMM8B	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11830	ccsbBroad304_11830		BC029908	26526	TSPAN16	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11831	ccsbBroad304_11831		BC108901	26548	ITGB1BP2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11832	ccsbBroad304_11832		BC006265	26577	PCOLCE2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11833	ccsbBroad304_11833		BC007459	26578	OSTF1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11834	ccsbBroad304_11834		BC009866	26580	BSCL2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11835	ccsbBroad304_11835		BC017745	26747	NUFIP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11836	ccsbBroad304_11836		BC056682	27000	DNAJC2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11837	ccsbBroad304_11837		BC041075	27004	TCL6	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11838	ccsbBroad304_11838		BC068460	27010	TPK1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11839	ccsbBroad304_11839		BC068082	27031	NPHP3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11840	ccsbBroad304_11840		BC017700	27033	ZBTB32	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11841	ccsbBroad304_11841		BC044581	27039	PKD2L2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11842	ccsbBroad304_11842		BC008370	27067	STAU2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11843	ccsbBroad304_11843		BC109288	27124	INPP5J	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11844	ccsbBroad304_11844		BC063007	27125	AFF4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11845	ccsbBroad304_11845		BC126208	27127	SMC1B	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11846	ccsbBroad304_11846		BC017780	27128	CYTH4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11847	ccsbBroad304_11847		BC002724	27131	SNX5	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11848	ccsbBroad304_11848	454	BC115004	27147	DENND2A	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11849	ccsbBroad304_11849		BC051698	27152	INTU	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11850	ccsbBroad304_11850	454	BC023985	27153	ZNF777	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11851	ccsbBroad304_11851		BC018727	27161	EIF2C2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11852	ccsbBroad304_11852		BC007633	27161	EIF2C2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11853	ccsbBroad304_11853		BC006388,BC011854	27163	NAAA	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11854	ccsbBroad304_11854		BC000966	27229	TUBGCP4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11855	ccsbBroad304_11855		BC058861	27233	SULT1C4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11856	ccsbBroad304_11856		BC125043	27233	SULT1C4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11857	ccsbBroad304_11857		BC002681	27237	ARHGGEF16	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11858	ccsbBroad304_11858		BC014394	27245	AHDC1	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn_11859	ccsbBroad304_11859		BC005253	27252	KLHL20	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11860	ccsbBroad304_11860		BC056235	27283	TINAG	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11861	ccsbBroad304_11861		BC047908	27291	C10orf28	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11862	ccsbBroad304_11862			27303	RBMS3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11863	ccsbBroad304_11863		BC009930	27315	PGAP2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11864	ccsbBroad304_11864		BC068209	27327	TNRC6A	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11865	ccsbBroad304_11865		BC003548	27343	POLL	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11866	ccsbBroad304_11866		BC026306	27434	POLM	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11867	ccsbBroad304_11867		BC001304	27445	PCLO	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11868	ccsbBroad304_11868		BC011180	28227	PPP2R3B	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11869	ccsbBroad304_11869		BC009032	28227	PPP2R3B	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11870	ccsbBroad304_11870		BC030814	28299	IGKV1-5	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11871	ccsbBroad304_11871		BC034142	28299	IGKV1-5	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11872	ccsbBroad304_11872		BC032733	28378	IGHV7-81	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11873	ccsbBroad304_11873		BC053984	28396	IGHV4-31	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11874	ccsbBroad304_11874	454	BC070333	28461	IGHV1-69	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11875	ccsbBroad304_11875		BC015877	28513	CDH19	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn_11876	ccsbBroad304_11876		BC039714	28517	TRDV2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11877	ccsbBroad304_11877		BC036926	28566	TRBV21-1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11878	ccsbBroad304_11878	454	BC108321	28596	TRBV7-2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11879	ccsbBroad304_11879		BC028083	28611	TRBV5-4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11880	ccsbBroad304_11880	454	BC035680	28738	TRAJ17	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11881	ccsbBroad304_11881		BC023973	28778	IGLV6-57	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11882	ccsbBroad304_11882		BC020236	28786	IGLV4-3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11883	ccsbBroad304_11883		BC022823	28793	IGLV3-25	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11884	ccsbBroad304_11884	454	BC070352	28796	IGLV3-21	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11885	ccsbBroad304_11885		BC018749	28815	IGLV2-14	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11886	ccsbBroad304_11886		BC054893	28815	IGLV2-14	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11887	ccsbBroad304_11887	454	BC063599	28923	IGKV2-24	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11888	ccsbBroad304_11888		BC069012	28966	SNX24	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11889	ccsbBroad304_11889		BC016854	28971	C11orf67	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11890	ccsbBroad304_11890		BC000884	28972	SPCS1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11891	ccsbBroad304_11891		BC030274	28990	ASTE1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11892	ccsbBroad304_11892		BC003188	28992	MACROD1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11893	ccsbBroad304_11893		BC035371	29060	HSPC047	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11894	ccsbBroad304_11894		BC012575	29066	ZC3H7A	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11895	ccsbBroad304_11895		BC030580	29068	ZBTB44	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11896	ccsbBroad304_11896		BC049375	29068	ZBTB44	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11897	ccsbBroad304_11897		BC010893	29082	CHMP4A	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11898	ccsbBroad304_11898		BC021109	29100	TMEM208	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11899	ccsbBroad304_11899		BC004470	29108	PYCARD	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11900	ccsbBroad304_11900	454	BC065819	29119	CTNNA3	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11901	ccsbBroad304_11901		BC019883	29121	CLEC2D	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11902	ccsbBroad304_11902		BC015930	29761	USP25	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11903	ccsbBroad304_11903		BC014939	29781	NCAPH2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11904	ccsbBroad304_11904		BC013925	29789	OLA1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11905	ccsbBroad304_11905		BC009442	29801	ZDHH8	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11906	ccsbBroad304_11906	454	BC045639	29843	SENP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11907	ccsbBroad304_11907		BC001728	29844	TFPT	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11908	ccsbBroad304_11908		BC028006	29851	ICOS	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11909	ccsbBroad304_11909		BC007315	29883	CNOT7	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11910	ccsbBroad304_11910		BC139836	29890	RBM15B	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11911	ccsbBroad304_11911		BC006558	29915	HCFC2	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11912	ccsbBroad304_11912		BC002951	29927	SEC61A1	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11913	ccsbBroad304_11913		BC020559	29934	SNX12	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11914	ccsbBroad304_11914		BC110459	29964	PRICKLE4	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11915	ccsbBroad304_11915		BC017381	29967	LRP12	no errors	hORFeome V8.1 Collection
ccsbBroadEn_11916	ccsbBroad304_11916		BC054873	29974	A1CF	no errors	hORFeome V8.1 Collection



ccsbBroadEn_11917	ccsbBroad304_11917		BC017812	29992	PILRA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11918	ccsbBroad304_11918		BC012576	29994	BAZ2B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11919	ccsbBroad304_11919	454	BC063312	30832	ZNF354C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11920	ccsbBroad304_11920		BC008183	30833	NT5C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11921	ccsbBroad304_11921		BC110615	30835	CD209	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11922	ccsbBroad304_11922	454	BC035385	43849	KLK12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11923	ccsbBroad304_11923		BC019330	50512	PODXL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11924	ccsbBroad304_11924		BC017504	50619	DEF6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11925	ccsbBroad304_11925		BC099715	50650	ARHGEF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11926	ccsbBroad304_11926		BC033577	50801	KCNK4	1 synonomous error	hORFeome V8.1 Collection				
ccsbBroadEn_11927	ccsbBroad304_11927		BC016380	50802	IGK@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11928	ccsbBroad304_11928		BC032451	50802	IGK@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11929	ccsbBroad304_11929		BC030813	50802	IGK@	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11930	ccsbBroad304_11930		BC032139	50809	HP1BP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11931	ccsbBroad304_11931		BC046170	50809	HP1BP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11932	ccsbBroad304_11932		BC004300	50853	VILL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11933	ccsbBroad304_11933		BC000243	50853	VILL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11934	ccsbBroad304_11934		BC014105	51015	ISOC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11935	ccsbBroad304_11935		BC008367	51015	ISOC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11936	ccsbBroad304_11936		BC028113	51022	GLRX2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11937	ccsbBroad304_11937		BC000902,BC040129	51035	UBXN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11938	ccsbBroad304_11938		BC002580,BC019267	51042	ZNF593	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11939	ccsbBroad304_11939		BC106912	51059	FAM135B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11940	ccsbBroad304_11940		BC013727	51061	TXNDC11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11941	ccsbBroad304_11941		BC047648	51065	RPS27L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11942	ccsbBroad304_11942		BC000247,BC009439	51078	THAP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11943	ccsbBroad304_11943		BC000767	51078	THAP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11944	ccsbBroad304_11944	454	BC071810	51084	CRYL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11945	ccsbBroad304_11945		BC126213	51091	SEPSECS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11946	Failed LR reaction		BC117202	51091	SEPSECS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11947	ccsbBroad304_11947		BC114522	51092	SIDT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11948	ccsbBroad304_11948		BC005184	51095	TRNT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11949	ccsbBroad304_11949		BC012537	51095	TRNT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11950	ccsbBroad304_11950		BC050655	51105	PHF20L1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11951	ccsbBroad304_11951		BC017475	51112	TTC15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11952	ccsbBroad304_11952	454	BC094879	51133	KCTD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11953	ccsbBroad304_11953		BC125087	51134	CCDC41	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11954	ccsbBroad304_11954		BC006971	51136	RNFT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11955	ccsbBroad304_11955		BC012536	51144	HSD17B12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11956	ccsbBroad304_11956		BC011811	51148	CERCAM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11957	ccsbBroad304_11957		BC119698	51148	CERCAM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11958	ccsbBroad304_11958		BC003597	51151	SLC45A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11959	ccsbBroad304_11959		BC025380	51167	CYB5R4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11960	ccsbBroad304_11960		BC012194	51172	NAGPA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11961	ccsbBroad304_11961		BC065281	51182	HSPA14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11962	ccsbBroad304_11962		BC009379	51202	DDX47	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11963	ccsbBroad304_11963		BC010838	51203	NUSAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11964	ccsbBroad304_11964		BC024772	51203	NUSAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11965	ccsbBroad304_11965		BC002583	51234	TMEM85	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11966	ccsbBroad304_11966		BC013999	51244	C3orf19	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11967	ccsbBroad304_11967		BC001463	51246	SHISA5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11968	ccsbBroad304_11968		BC071652	51251	NT5C3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11969	ccsbBroad304_11969		BC117336,BC126361	51270	TFDP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11970	ccsbBroad304_11970		BC064522	51290	ERGIC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11971	ccsbBroad304_11971		BC003053	51292	GMPT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11972	ccsbBroad304_11972		BC017701	51313	FAM198B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11973	ccsbBroad304_11973		BC036816	51314	TXNDC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11974	ccsbBroad304_11974		BC004258	51322	WAC	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11975	ccsbBroad304_11975		BC030570	51326	ARL17A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11976	ccsbBroad304_11976		BC015569	51329	ARL6IP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11977	ccsbBroad304_11977		BC001958	51329	ARL6IP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11978	ccsbBroad304_11978		BC038838	51334	PRR16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11979	ccsbBroad304_11979	454	BC001682,BC017192	51335	NGRN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11980	ccsbBroad304_11980	454	BC098166	51348	KLRF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11981	ccsbBroad304_11981		BC036465	51360	MBTPS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11982	ccsbBroad304_11982		BC047703	51365	PLA1A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11983	ccsbBroad304_11983		BC010349	51375	SNX7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11984	ccsbBroad304_11984		BC098278	51380	CSAD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11985	ccsbBroad304_11985		BC011454	51421	AMOTL2	1 synonomous error	hORFeome V8.1 Collection				
ccsbBroadEn_11986	ccsbBroad304_11986		BC050718	51426	POLK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11987	ccsbBroad304_11987		BC014217	51451	LCMT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11988	ccsbBroad304_11988	454	BC001103	51454	GULP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11989	ccsbBroad304_11989		BC069564	51471	NAT8B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11990	ccsbBroad304_11990	454	BC104153	51480	VCX2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11991	ccsbBroad304_11991		BC098149	51481	VCX3A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11992	ccsbBroad304_11992		BC032424	51491	NOP16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11993	ccsbBroad304_11993		BC002769	51507	C20orf43	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11994	ccsbBroad304_11994		BC075828	51512	GTSE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11995	ccsbBroad304_11995		BC006325	51512	GTSE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11996	ccsbBroad304_11996		BC028917	51530	ZC3HC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11997	ccsbBroad304_11997		BC004218	51548	SIRT6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11998	ccsbBroad304_11998		BC006453	51564	HDAC7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_11999	ccsbBroad304_11999		BC010047	51588	PIAS4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12000	ccsbBroad304_12000		BC004389	51588	PIAS4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12001	ccsbBroad304_12001		BC009620	51611	DPH5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12002	ccsbBroad304_12002		BC029760	51633	OTUD6B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12003	ccsbBroad304_12003		BC004401	51643	TMBIM4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12004	ccsbBroad304_12004		BC001215	51654	CDK5RAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12005	ccsbBroad304_12005		BC073949	51686	OAZ3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12006	ccsbBroad304_12006		BC011369	51693	TRAPPC2L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12007	ccsbBroad304_12007		BC032462	51699	VPS29	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12008	ccsbBroad304_12008		BC064663	51701	NLK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12009	ccsbBroad304_12009		BC017781	51705	EMCN	no errors	hORFeome V8.1 Collection				



ccsbBroadEn 12010	ccsbBroad304 12010		BC032246	51710	ZNF44	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12011	ccsbBroad304 12011		BC001868	51710	ZNF44	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12012	ccsbBroad304 12012		BC131699	51716	CES1P1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12013	ccsbBroad304 12013		BC032561	51720	UIMC1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12014	ccsbBroad304 12014	454	BC003184	51741	WWOX	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12015	ccsbBroad304 12015		BC056409	51747	LUC7L3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12016	ccsbBroad304 12016		BC017213	51765	MST4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12017	ccsbBroad304 12017		BC015634	51805	COQ3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12018	ccsbBroad304 12018		BC039172	51806	CALML5	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12019	ccsbBroad304 12019	454	BC127277	53344	CHIC1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12020	ccsbBroad304 12020		BC063487	53346	TM6SF1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12021	ccsbBroad304 12021		BC026296	53354	PANK1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12022	ccsbBroad304 12022		BC012559	53371	NUP54	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12023	ccsbBroad304 12023		BC041116	53829	P2RY13	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12024	ccsbBroad304 12024		BC027449	53833	IL20RB	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12025	ccsbBroad304 12025		BC033292	53833	IL20RB	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12026	ccsbBroad304 12026		BC013955	53834	FGFRL1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12027	ccsbBroad304 12027	454	BC039255	53942	CNTN5	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12028	ccsbBroad304 12028		BC012061	54039	PCBP3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12029	ccsbBroad304 12029	454	BC012061	54039	PCBP3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12030	ccsbBroad304 12030		BC121008	54058	C21orf58	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12031	ccsbBroad304 12031		BC126339	54145	H2BFS	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12032	ccsbBroad304 12032		BC004896	54148	MRPL39	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12033	ccsbBroad304 12033		BC013163	54165	DCUN1D1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12034	ccsbBroad304 12034		BC125251	54221	SNTG2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12035	ccsbBroad304 12035		BC040966	54414	SIAE	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12036	ccsbBroad304 12036		BC034713	54431	DNAJC10	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12037	ccsbBroad304 12037		BC009674	54432	YIPF1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12038	ccsbBroad304 12038		BC030509	54441	STAG3L1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12039	ccsbBroad304 12039		BC034692	54443	ANLN	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12040	ccsbBroad304 12040		BC128065	54453	RIN2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12041	ccsbBroad304 12041		BC000850	54461	FBXW5	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12042	ccsbBroad304 12042		BC030528	54462	FAM190B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12043	ccsbBroad304 12043		BC030517	54463	FAM134B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12044	ccsbBroad304 12044	454	BC127091	54477	PLEKHA5	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12045	ccsbBroad304 12045	454	BC064509	54480	CHPF2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12046	ccsbBroad304 12046		BC009323	54487	DGCR8	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12047	ccsbBroad304 12047		BC009041	54494	C11orf71	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12048	ccsbBroad304 12048		BC018208	54509	RHOF	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12049	ccsbBroad304 12049		BC005209	54517	PUS7	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12050	ccsbBroad304 12050		BC035636	54518	APBB1IP	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12051	ccsbBroad304 12051		BC005078	54520	CCDC93	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12052	ccsbBroad304 12052		BC028697	54521	WDR44	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn 12053	ccsbBroad304 12053		BC028203	54531	MIER2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12054	ccsbBroad304 12054		BC017382	54532	USP53	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12055	ccsbBroad304 12055		BC110534	54535	CCHCR1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12056	ccsbBroad304 12056		BC044642	54542	RC3H2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12057	ccsbBroad304 12057		BC057393	54545	MTMR12	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12058	ccsbBroad304 12058		BC016979	54550	NECAB2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12059	ccsbBroad304 12059		BC073865	54556	ING3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12060	ccsbBroad304 12060		BC020660	54558	SPATA6	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12061	ccsbBroad304 12061		BC053576	54575	UGT1A10	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12062	ccsbBroad304 12062		BC005369	54583	EGLN1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12063	ccsbBroad304 12063		BC014307	54586	C9orf11	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12064	ccsbBroad304 12064		BC021988	54602	NDFIP2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12065	ccsbBroad304 12065		BC059173	54620	FBXL19	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12066	ccsbBroad304 12066		BC012091	54626	HES2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12067	ccsbBroad304 12067		BC109122	54627	KIAA1383	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12068	ccsbBroad304 12068		BC060514	54629	FAM63B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12069	ccsbBroad304 12069	454	BC121036	54657	UGT1A4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12070	ccsbBroad304 12070		BC006351	54663	WDR74	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12071	ccsbBroad304 12071		BC026155	54665	RSBN1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12072	ccsbBroad304 12072		BC104430	54744	DKFZp566H0824	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12073	ccsbBroad304 12073		BC018299	54749	EPDR1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12074	ccsbBroad304 12074		BC130390	54754	FAM22F	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12075	ccsbBroad304 12075		BC111702	54756	IL17RD	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12076	ccsbBroad304 12076		BC028351	54768	HYDIN	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12077	ccsbBroad304 12077		BC010369	54778	RNF111	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12078	ccsbBroad304 12078		BC060862	54778	RNF111	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12079	ccsbBroad304 12079		BC005212	54780	NSMCE4A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12080	ccsbBroad304 12080		BC009261,BC018880	54785	C17orf59	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12081	ccsbBroad304 12081		BC011812	54788	DNAJB12	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12082	ccsbBroad304 12082		BC064920	54788	DNAJB12	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12083	ccsbBroad304 12083		BC110510	54790	TET2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12084	ccsbBroad304 12084	454	BC101736	54799	MBTD1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12085	ccsbBroad304 12085		BC010741	54802	TRIT1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12086	ccsbBroad304 12086		BC124558	54807	ZNF586	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12087	ccsbBroad304 12087		BC022247	54812	AFTPH	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12088	ccsbBroad304 12088		BC011684	54815	GATAD2A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12089	ccsbBroad304 12089		BC022443	54819	ZCCHC10	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12090	ccsbBroad304 12090		BC008808	54821	ERCC6L	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12091	ccsbBroad304 12091		BC015325	54826	GIN1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12092	ccsbBroad304 12092		BC001250	54828	BCAS3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12093	ccsbBroad304 12093	454	BC063114	54829	ASPEN	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12094	ccsbBroad304 12094		BC001477	54836	BSPRY	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12095	ccsbBroad304 12095	454	BC037982	54839	LRRC49	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12096	ccsbBroad304 12096		BC001628	54840	APT-X	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12097	ccsbBroad304 12097	454	BC042138	54858	PGPEP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12098	ccsbBroad304 12098		BC000623,BC014204	54859	C3orf75	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12099	ccsbBroad304 12099		BC056904	54865	GPATCH4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12100	ccsbBroad304 12100		BC004907	54869	EPS8L1	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn 12101	ccsbBroad304 12101		BC001249	54872	PIGG	no errors	hORFeome V8.1 Collection
ccsbBroadEn 12102	ccsbBroad304 12102		BC063536	54880	BCOR	no errors	hORFeome V8.1 Collection



ccsbBroadEn_12103	ccsbBroad304_12103			BC040231	54882	ANKHD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12104	ccsbBroad304_12104			BC001041	54888	NSUN2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12105	ccsbBroad304_12105			BC063296	54893	MTMR10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12106	ccsbBroad304_12106			BC014479	54899	PXK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12107	ccsbBroad304_12107			BC069650	54900	LAX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12108	ccsbBroad304_12108			BC011698	54902	TTC19	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12109	ccsbBroad304_12109			BC025761	54905	CYP2W1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12110	ccsbBroad304_12110			BC121163	54916	C14orf101	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12111	ccsbBroad304_12111			BC018700	54921	CHTF8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12112	ccsbBroad304_12112			BC002859	54925	ZNF434	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12113	ccsbBroad304_12113			BC035967	54931	RG9MTD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12114	ccsbBroad304_12114			BC037355	54932	EXD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12115	ccsbBroad304_12115			BC013103	54933	RHBDL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12116	ccsbBroad304_12116			BC025383	54937	SOHLH2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12117	ccsbBroad304_12117			BC029509	54943	DNAJC28	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12118	ccsbBroad304_12118			BC035753	54946	SLC41A3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12119	ccsbBroad304_12119			BC039879	54952	TRNAU1AP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12120	ccsbBroad304_12120			BC003397	54953	C1orf27	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12121	ccsbBroad304_12121			BC031074	54956	PARP16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12122	ccsbBroad304_12122			BC017796	54959	ODAM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12123	ccsbBroad304_12123			BC004176	54961	SSH3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12124	ccsbBroad304_12124			BC022542	54965	PIGX	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_12125	ccsbBroad304_12125			BC032355	54970	TTC12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12126	ccsbBroad304_12126			BC008041,BC020199	54973	CPSF3L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12127	ccsbBroad304_12127			BC001523	54974	THG1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12128	ccsbBroad304_12128			BC012196,BC024036	54976	C20orf27	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12129	ccsbBroad304_12129			BC014794	54986	ULK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12130	ccsbBroad304_12130			BC013753	54988	ACSM5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12131	ccsbBroad304_12131			BC012564	55002	TMCO3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12132	ccsbBroad304_12132			BC035775	55008	HERC6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12133	ccsbBroad304_12133	454		BC098313	55010	C12orf48	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12134	ccsbBroad304_12134			BC002633	55013	CCDC109B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12135	ccsbBroad304_12135			BC051790	55014	STX17	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12136	ccsbBroad304_12136			BC125126	55015	PRPF39	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12137	ccsbBroad304_12137			BC128165	55018	C17orf73	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12138	ccsbBroad304_12138			BC040164	55022	PID1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12139	ccsbBroad304_12139			BC008909	55023	PHIP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12140	ccsbBroad304_12140			BC000226	55031	USP47	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12141	ccsbBroad304_12141	454		BC146810	55035	NOL8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12142	ccsbBroad304_12142			BC058288	55036	CCDC40	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12143	ccsbBroad304_12143			BC011832	55037	PTCD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12144	ccsbBroad304_12144			BC001038	55040	EPN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12145	ccsbBroad304_12145			BC110605	55040	EPN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12146	ccsbBroad304_12146	454		BC090041	55055	ZWILCH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12147	ccsbBroad304_12147	454		BC136870	55057	AIM1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12148	ccsbBroad304_12148			BC002725	55063	ZCWPW1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12149	ccsbBroad304_12149			BC036349	55064	C9orf68	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12150	ccsbBroad304_12150			BC034293	55064	C9orf68	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12151	ccsbBroad304_12151			BC009821,BC017376	55072	RNF31	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12152	ccsbBroad304_12152			BC032710	55074	OXR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12153	ccsbBroad304_12153			BC071587	55082	ARGLU1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12154	ccsbBroad304_12154			BC010906	55090	MED9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12155	ccsbBroad304_12155			BC005177	55092	TMEM51	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_12156	ccsbBroad304_12156			BC015016	55102	ATG2B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12157	ccsbBroad304_12157			BC063474	55105	GPATCH2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12158	ccsbBroad304_12158			BC002828	55109	AGGF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12159	ccsbBroad304_12159			BC001241	55114	ARHGAP17	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_12160	ccsbBroad304_12160			BC004364	55116	TMEM39B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12161	ccsbBroad304_12161			BC034245	55118	CRTAC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12162	ccsbBroad304_12162			BC053838	55119	PRPF38B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12163	ccsbBroad304_12163			BC011983	55127	HEATR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12164	ccsbBroad304_12164			BC062442	55127	HEATR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12165	ccsbBroad304_12165			BC030516	55132	LARP1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12166	ccsbBroad304_12166			BC062606	55132	LARP1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12167	ccsbBroad304_12167			BC032538	55133	SRBD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12168	ccsbBroad304_12168			BC002566	55147	RBM23	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12169	ccsbBroad304_12169			BC015046,BC051819	55148	UBR7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12170	ccsbBroad304_12170			BC054493	55152	DALRD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12171	ccsbBroad304_12171			BC059371	55159	RFWD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12172	ccsbBroad304_12172			BC016279	55166	CENPQ	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12173	ccsbBroad304_12173			BC063446	55170	PRMT6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12174	ccsbBroad304_12174			BC011400,BC013322	55172	C14orf104	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12175	ccsbBroad304_12175			BC001915,BC051282	55174	INTS10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12176	ccsbBroad304_12176			BC026179	55176	SEC61A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12177	ccsbBroad304_12177			BC010363	55180	LINS	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12178	ccsbBroad304_12178			BC020957	55181	C17orf71	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12179	ccsbBroad304_12179			BC036231	55184	C20orf12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12180	ccsbBroad304_12180	454		BC034220	55188	RIC8B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12181	ccsbBroad304_12181			BC117405	55195	C14orf105	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12182	ccsbBroad304_12182			BC000225	55197	RPRD1A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12183	ccsbBroad304_12183			BC020956	55209	SETD5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12184	ccsbBroad304_12184			BC032846	55211	DPPA4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12185	ccsbBroad304_12185			BC038104	55213	RCBTB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12186	ccsbBroad304_12186			BC072455	55216	C11orf57	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12187	ccsbBroad304_12187			BC030546	55216	C11orf57	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12188	ccsbBroad304_12188			BC031637	55236	UBA6	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_12189	ccsbBroad304_12189			BC058882	55244	SLC47A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12190	ccsbBroad304_12190			BC008871	55245	UQCC	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12191	ccsbBroad304_12191			BC009358	55249	YY1AP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12192	ccsbBroad304_12192			BC032553	55250	ELP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12193	ccsbBroad304_12193			BC042999	55252	ASXL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12194	ccsbBroad304_12194			BC117281,BC117283	55259	CASC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_12195	ccsbBroad304_12195			BC029560	55275	VPS53	no errors	hORFeome V8.1 Collection				



ccsbBroadEn 12196	ccsbBroad304 12196		BC000610	55277	FGGY	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12197	ccsbBroad304 12197		BC060765	55283	MCOLN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12198	ccsbBroad304 12198		BC010900	55284	UBE2W	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12199	ccsbBroad304 12199		BC020658	55287	TMEM40	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12200	ccsbBroad304 12200		BC011011	55293	UEVLD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12201	ccsbBroad304 12201		BC064566	55293	UEVLD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12202	ccsbBroad304 12202		BC028682	55297	CCDC91	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12203	ccsbBroad304 12203		BC020656	55304	SPTLC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12204	ccsbBroad304 12204		BC013773	55332	DRAM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12205	ccsbBroad304 12205		BC010847	55337	C19orf66	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12206	ccsbBroad304 12206		BC117434	55338	FLJ11292	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12207	ccsbBroad304 12207			55345	C4orf21	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12208	ccsbBroad304 12208		BC044799	55345	C4orf21	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12209	ccsbBroad304 12209		BC014129,BC031021	55353	LAPTM4B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12210	ccsbBroad304 12210		BC001940	55355	HJURP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12211	ccsbBroad304 12211		BC026358	55356	SLC22A15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12212	ccsbBroad304 12212		BC028918	55357	TBC1D2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12213	ccsbBroad304 12213	454	BC048324	55363	HEMGN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12214	ccsbBroad304 12214		BC100979	55370	PPP4R1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12215	ccsbBroad304 12215		BC001910	55374	TMCO6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12216	ccsbBroad304 12216		BC009618	55374	TMCO6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12217	ccsbBroad304 12217		BC009108	55388	MCM10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12218	ccsbBroad304 12218		BC012374	55471	C2orf56	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12219	ccsbBroad304 12219		BC019830	55478	PRO2012	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12220	ccsbBroad304 12220		BC034814	55503	TRPV6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12221	ccsbBroad304 12221		BC031812	55515	ACCN4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12222	ccsbBroad304 12222		BC028725	55531	ELMOD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12223	ccsbBroad304 12223		BC025242	55536	CDCA7L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12224	ccsbBroad304 12224		BC008141	55559	HAUS7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12225	ccsbBroad304 12225		BC050333	55568	GALNT10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12226	ccsbBroad304 12226		BC001029	55577	NAGK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12227	ccsbBroad304 12227	454	BC019015	55588	MED29	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12228	ccsbBroad304 12228	454	BC064939	55591	VEZT	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12229	ccsbBroad304 12229		BC010697	55599	RNPC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12230	ccsbBroad304 12230		BC020601	55601	DDX60	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12231	ccsbBroad304 12231		BC022270	55602	CDKN2AIP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12232	ccsbBroad304 12232		BC001727	55608	ANKRD10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12233	ccsbBroad304 12233	454	BC040545	55612	FERMT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12234	ccsbBroad304 12234		BC050577	55614	KIF16B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12235	ccsbBroad304 12235		BC016921	55615	PRR5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12236	ccsbBroad304 12236		BC015018	55619	DOCK10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12237	ccsbBroad304 12237		BC017702	55625	ZDHHC7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12238	ccsbBroad304 12238	454	BC064947	55627	SMPD4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12239	ccsbBroad304 12239		BC012082	55638	SYBU	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12240	ccsbBroad304 12240		BC002759	55652	SLC48A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12241	ccsbBroad304 12241	454	BC038381	55653	BCAS4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12242	ccsbBroad304 12242		BC001442	55658	RNF126	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12243	ccsbBroad304 12243		BC027178	55660	PRPF40A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12244	ccsbBroad304 12244		BC018426	55665	URGCP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12245	ccsbBroad304 12245		BC058032	55668	C14orf118	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12246	Failed LR reaction		BC038932	55671	SMEK1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12247	ccsbBroad304 12247		BC034418	55672	NBPF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12248	ccsbBroad304 12248		BC032525	55676	SLC30A6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12249	ccsbBroad304 12249		BC017012	55677	IWS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12250	ccsbBroad304 12250		BC001370	55679	LIMS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12251	Failed LR reaction		BC021095	55684	C9orf86	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12252	ccsbBroad304 12252		BC080631	55687	TRMU	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12253	ccsbBroad304 12253		BC065198	55692	LUC7L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12254	ccsbBroad304 12254		BC007214	55697	VAC14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12255	ccsbBroad304 12255		BC010218	55699	IARS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12256	ccsbBroad304 12256		BC009992	55701	ARHGEF40	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12257	ccsbBroad304 12257		BC000084	55701	ARHGEF40	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12258	ccsbBroad304 12258		BC008337	55716	LMBR1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12259	ccsbBroad304 12259		BC000285	55718	POLR3E	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12260	ccsbBroad304 12260		BC019090	55720	TSR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12261	ccsbBroad304 12261	454	BC063855	55729	ATF7IP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12262	ccsbBroad304 12262		BC107168	55732	C1orf112	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12263	ccsbBroad304 12263		BC014145	55735	DNAJC11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12264	ccsbBroad304 12264		BC041028	55739	CARKD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12265	ccsbBroad304 12265		BC010414	55740	ENAH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12266	ccsbBroad304 12266		BC013174	55745	MUDENG	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12267	ccsbBroad304 12267		BC046128	55751	TMEM184C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12268	ccsbBroad304 12268		BC032302	55757	UGGT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12269	ccsbBroad304 12269		BC067807	55757	UGGT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12270	ccsbBroad304 12270		BC010221	55773	TBC1D23	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12271	ccsbBroad304 12271		BC006083	55775	TDP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12272	ccsbBroad304 12272		BC014534	55777	MBD5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12273	ccsbBroad304 12273		BC013319	55785	FGD6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12274	ccsbBroad304 12274		BC069668	55786	ZNF415	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12275	ccsbBroad304 12275		BC010360	55788	LMBRD1	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn 12276	ccsbBroad304 12276		BC033758	55803	ADAP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12277	ccsbBroad304 12277		BC022462	55808	ST6GALNAC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12278	ccsbBroad304 12278		BC008656	55812	SPATA7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12279	ccsbBroad304 12279		BC113864	55819	RNF130	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12280	ccsbBroad304 12280		BC012051	55823	VPS11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12281	ccsbBroad304 12281		BC035601	55841	WWC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12282	ccsbBroad304 12282		BC006005	55850	USE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12283	ccsbBroad304 12283		BC033661	55852	TEX2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12284	ccsbBroad304 12284		BC003545	55858	TMEM165	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12285	ccsbBroad304 12285		BC017574	55863	TMEM126B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12286	ccsbBroad304 12286		BC016860	55890	GPRC5C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12287	ccsbBroad304 12287		BC004925	55890	GPRC5C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12288	ccsbBroad304 12288		BC010141	55902	ACSS2	no errors	hORFeome V8.1 Collection				



ccsbBroadEn	12289	ccsbBroad304	12289			BC001223	55909	BIN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12290	ccsbBroad304	12290			BC064841	55930	MYO5C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12291	ccsbBroad304	12291				55957	LIN37	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12292	ccsbBroad304	12292			BC020962	55959	SULF2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12293	ccsbBroad304	12293			BC111779	55964	SEPT3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12294	ccsbBroad304	12294			BC009458	56033	BARX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12295	ccsbBroad304	12295			BC038842	56063	C1orf91	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12296	Failed LR reaction				BC065572	56242	ZNF253	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12297	ccsbBroad304	12297			BC018764	56243	KIAA1217	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12298	ccsbBroad304	12298			BC127642	56244	BTNL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12299	Failed LR reaction				BC036739	56259	CTNBL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12300	ccsbBroad304	12300			BC000819	56267	CCBL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12301	ccsbBroad304	12301			BC059778	56287	GKN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12302	ccsbBroad304	12302			BC034740	56302	TRPV5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12303	ccsbBroad304	12303			BC022458	56341	PRMT8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12304	ccsbBroad304	12304			BC107105	56624	ASAH2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12305	ccsbBroad304	12305			BC033762	56652	C10orf2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12306	ccsbBroad304	12306	454		BC001946	56853	CELF4	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn	12307	ccsbBroad304	12307			BC022042	56890	MDM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12308	ccsbBroad304	12308			BC006410	56893	UBQLN4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12309	ccsbBroad304	12309			BC026313	56899	ANKS1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12310	ccsbBroad304	12310			BC016825	56907	SPIRE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12311	ccsbBroad304	12311			BC007894,BC014076	56910	STARD7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12312	ccsbBroad304	12312			BC042040	56919	DHX33	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12313	ccsbBroad304	12313			BC013283	56926	NCLN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12314	ccsbBroad304	12314			BC007862	56927	GPR108	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12315	ccsbBroad304	12315			BC125062	56938	ARNTL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12316	ccsbBroad304	12316	454		BC125061	56938	ARNTL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12317	ccsbBroad304	12317			BC029375	56946	C11orf30	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12318	ccsbBroad304	12318	454		BC000797	56947	MFF	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12319	ccsbBroad304	12319			BC015176	56965	PARP6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12320	ccsbBroad304	12320			BC018028	56986	DTWD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12321	ccsbBroad304	12321			BC131718	56987	BBX	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12322	ccsbBroad304	12322			BC000154	56996	SLC12A9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12323	ccsbBroad304	12323			BC129930	56997	ADCK3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12324	ccsbBroad304	12324	454		BC033167	57010	CABP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12325	ccsbBroad304	12325			BC022341	57038	RARS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12326	ccsbBroad304	12326	454		BC027951	57091	CASS4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12327	ccsbBroad304	12327			BC013916	57092	PCNP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12328	ccsbBroad304	12328			BC017569	57097	PARP11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12329	ccsbBroad304	12329			BC031073	57097	PARP11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12330	ccsbBroad304	12330			BC041082	57116	ZNF695	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12331	ccsbBroad304	12331			BC032522	57129	MRPL47	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12332	ccsbBroad304	12332			BC009302	57130	ATP13A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12333	ccsbBroad304	12333			BC040152	57171	DOLPP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12334	ccsbBroad304	12334			BC024725	57182	ANKRD50	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12335	ccsbBroad304	12335			BC012493	57189	KIAA1147	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12336	ccsbBroad304	12336			BC057839	57205	ATP10D	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12337	ccsbBroad304	12337			BC012182	57215	THAP11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12338	ccsbBroad304	12338			BC114365	57217	TTC7A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12339	ccsbBroad304	12339			BC003379,BC008712	57228	SMAGP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12340	ccsbBroad304	12340			BC128259	57335	ZNF286A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12341	ccsbBroad304	12341			BC113363	57336	ZNF287	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12342	ccsbBroad304	12342			BC019358	57348	TTYH1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12343	ccsbBroad304	12343			BC065732	57396	CLK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12344	ccsbBroad304	12344			BC040732	57408	LRTM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12345	ccsbBroad304	12345			BC009967	57410	SCYL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12346	ccsbBroad304	12346			BC011240	57447	NDRG2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12347	ccsbBroad304	12347	454		BC015231	57449	PLEKHG5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12348	ccsbBroad304	12348			BC027476	57472	CNOT6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12349	ccsbBroad304	12349			BC101992	57484	RNF150	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12350	ccsbBroad304	12350			BC001644	57486	NLN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12351	ccsbBroad304	12351			BC009779	57489	ODF2L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12352	ccsbBroad304	12352			BC033793	57494	RIMKLB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12353	ccsbBroad304	12353			BC047761	57496	MKL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12354	ccsbBroad304	12354			BC033842	57509	MTUS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12355	ccsbBroad304	12355			BC000129	57510	XPO5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12356	ccsbBroad304	12356			BC009969	57510	XPO5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12357	ccsbBroad304	12357			BC064515	57521	RPTOR	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12358	ccsbBroad304	12358			BC029919	57522	SRGAP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12359	ccsbBroad304	12359			BC008219	57523	NYNRIN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12360	ccsbBroad304	12360			BC041167	57533	TBC1D14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12361	ccsbBroad304	12361			BC125208	57535	KIAA1324	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12362	ccsbBroad304	12362			BC103944	57547	ZNF624	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12363	ccsbBroad304	12363			BC028734	57552	NCEH1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12364	ccsbBroad304	12364			BC010846	57559	STAMBPL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12365	ccsbBroad304	12365			BC021267	57565	KLHL14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12366	ccsbBroad304	12366			BC013119	57568	SIPA1L2	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn	12367	ccsbBroad304	12367			BC039340	57569	ARHGAP20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12368	ccsbBroad304	12368			BC036557	57571	CARNS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12369	ccsbBroad304	12369	454		BC152477	57585	CRAMP1L	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn	12370	ccsbBroad304	12370			BC030535	57587	KIAA1430	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12371	ccsbBroad304	12371				57594	HOMEZ	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12372	ccsbBroad304	12372			BC117277	57595	PDZD4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12373	ccsbBroad304	12373	454		BC037168	57599	WDR48	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12374	ccsbBroad304	12374			BC038983	57602	USP36	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12375	ccsbBroad304	12375			BC016633	57604	C8orf79	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12376	ccsbBroad304	12376			BC127095	57616	TSHZ3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12377	Failed LR reaction				BC131727	57624	KIAA1486	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12378	ccsbBroad304	12378			BC125224	57631	LRCH2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12379	ccsbBroad304	12379			BC037208	57634	EP400	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn	12380	ccsbBroad304	12380			BC029458	57639	CCDC146	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12381	ccsbBroad304	12381			BC019637	57642	COL20A1	no errors	hORFeome V8.1 Collection				



ccsbBroadEn	12382	ccsbBroad304	12382		BC041767	57642	COL20A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12383	ccsbBroad304	12383		BC069327,BC069406	57644	MYH7B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12384	ccsbBroad304	12384		BC065928	57646	USP28	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12385	ccsbBroad304	12385		BC004463	57647	DHX37	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12386	ccsbBroad304	12386		BC047097	57653	LOC57653	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12387	ccsbBroad304	12387		BC021930	57654	KIAA1530	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12388	ccsbBroad304	12388		BC028024	57657	HCN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12389	ccsbBroad304	12389		BC130394,BC130398	57663	USP29	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12390	ccsbBroad304	12390		BC009367	57693	ZNF317	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12391	ccsbBroad304	12391		BC050461	57695	USP37	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12392	ccsbBroad304	12392		BC035911	57696	DDX55	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12393	ccsbBroad304	12393		BC036056	57697	FANCM	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12394	ccsbBroad304	12394		BC022348	57698	KIAA1598	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12395	ccsbBroad304	12395		BC032303	57698	KIAA1598	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12396	ccsbBroad304	12396		BC053872	57699	CPNE5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12397	ccsbBroad304	12397		BC110599	57701	NCKAP5L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12398	ccsbBroad304	12398		BC022968	57709	SLC7A14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12399	ccsbBroad304	12399		BC064690	57711	ZNF529	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12400	ccsbBroad304	12400		BC020960	57715	SEMA4G	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12401	ccsbBroad304	12401		BC056872	57727	NCOA5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12402	ccsbBroad304	12402		BC071771	57730	ANKRD36B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12403	ccsbBroad304	12403		BC009049	57787	MARK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12404	ccsbBroad304	12404		BC071948	57787	MARK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12405	ccsbBroad304	12405		BC001334	57804	POLD4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12406	ccsbBroad304	12406		BC018269	57805	KIAA1967	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12407	ccsbBroad304	12407		BC026073	57821	C1orf114	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12408	ccsbBroad304	12408		BC027867	57823	SLAMF7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12409	ccsbBroad304	12409		BC109221	57835	SLC4A5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12410	ccsbBroad304	12410		BC050683	57862	ZNF410	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12411	ccsbBroad304	12411	454	BC040961	58158	NEUROD4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12412	ccsbBroad304	12412		BC047754	58486	ZBED5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12413	ccsbBroad304	12413		BC063481	58497	PRUNE	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12414	ccsbBroad304	12414		BC036884	58499	ZNF462	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12415	ccsbBroad304	12415		BC017091	58500	ZNF250	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12416	ccsbBroad304	12416		BC126444	58504	ARHGAP22	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12417	ccsbBroad304	12417		BC131590	58513	EPS15L1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12418	ccsbBroad304	12418	454	BC142716	58513	EPS15L1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12419	ccsbBroad304	12419		BC004462	58516	FAM60A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12420	ccsbBroad304	12420		BC003088	58528	RRAGD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12421	ccsbBroad304	12421		BC132785	58538	MPP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12422	ccsbBroad304	12422		BC038710	59271	C21orf63	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12423	ccsbBroad304	12423		BC010078	59342	SCPEP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12424	ccsbBroad304	12424		BC062570	60437	CDH26	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12425	ccsbBroad304	12425	454	BC111524	60482	SLC5A7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12426	ccsbBroad304	12426		BC015862	60488	MRPS35	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12427	ccsbBroad304	12427		BC007415	60509	AGBL5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12428	ccsbBroad304	12428		BC011821	60626	RIC8A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12429	ccsbBroad304	12429		BC121808	60626	RIC8A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12430	ccsbBroad304	12430		BC022217	63027	SLC22A23	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12431	ccsbBroad304	12431		BC025773	63892	THADA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12432	ccsbBroad304	12432		BC037990	63892	THADA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12433	ccsbBroad304	12433		BC022237	63893	UBE2O	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12434	ccsbBroad304	12434		BC051868	63893	UBE2O	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12435	ccsbBroad304	12435		BC014525	63898	SH2D4A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12436	ccsbBroad304	12436	454	BC074898	63934	ZNF667	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12437	ccsbBroad304	12437		BC029566	63948	DMRTB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12438	ccsbBroad304	12438		BC069399,BC069426	63970	TP53AIP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12439	ccsbBroad304	12439		BC067102	63977	PRDM15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12440	ccsbBroad304	12440		BC000791	64062	RBM26	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12441	ccsbBroad304	12441		BC111697	64062	RBM26	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12442	ccsbBroad304	12442		BC072388	64064	OXCT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12443	ccsbBroad304	12443		BC060319	64073	C19orf33	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12444	ccsbBroad304	12444	454	BC103506	64084	CLSTN2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12445	ccsbBroad304	12445		BC026911	64091	POPDC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12446	ccsbBroad304	12446		BC031042	64097	EPB41L4A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12447	ccsbBroad304	12447		BC010056	64110	MAGEF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12448	ccsbBroad304	12448		BC017081	64118	DUS1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12449	ccsbBroad304	12449		BC025721	64123	ELTD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12450	ccsbBroad304	12450		BC046208	64135	IFIH1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12451	ccsbBroad304	12451		BC015311	64147	KIF9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12452	ccsbBroad304	12452		BC000827	64151	NCAPG	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12453	ccsbBroad304	12453		BC016340	64168	NECAB1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12454	ccsbBroad304	12454		BC070091	64170	CARD9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12455	ccsbBroad304	12455		BC064144	64173	SPATA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12456	ccsbBroad304	12456		BC127634	64173	SPATA1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12457	ccsbBroad304	12457		BC024021	64174	DPEP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12458	ccsbBroad304	12458	454	BC057789	64180	DPEP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12459	ccsbBroad304	12459		BC007298	64210	MMS19	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12460	ccsbBroad304	12460		BC030955	64215	DNAJC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12461	ccsbBroad304	12461		BC008623	64221	ROBO3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12462	ccsbBroad304	12462		BC020499	64223	MLST8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12463	ccsbBroad304	12463		BC053508	64225	ATL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12464	ccsbBroad304	12464		BC007907	64284	RAB17	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12465	ccsbBroad304	12465		BC008490	64288	ZNF323	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12466	Failed LR reaction			BC027947	64342	HS1BP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12467	ccsbBroad304	12467		BC057389	64342	HS1BP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12468	ccsbBroad304	12468		BC022564	64376	IKZF5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12469	ccsbBroad304	12469		BC009968	64411	ARAP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12470	ccsbBroad304	12470		BC030804	64418	TMEM168	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12471	ccsbBroad304	12471		BC022254	64421	DCLRE1C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12472	ccsbBroad304	12472	454	BC093990	64426	SUDS3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12473	ccsbBroad304	12473		BC007213	64429	ZDHC6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12474	ccsbBroad304	12474		BC033843	64430	C14orf135	no errors	hORFeome V8.1 Collection				



ccsbBroadEn 12475	ccsbBroad304 12475		BC071746	64581	CLEC7A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12476	ccsbBroad304 12476		BC073959	64601	VPS16	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12477	ccsbBroad304 12477	454	BC074846	64699	TMPRSS3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12478	ccsbBroad304 12478		BC010739	64708	COP57B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12479	ccsbBroad304 12479		BC005053	64745	METT11D1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12480	ccsbBroad304 12480		BC109220	64753	CCDC136	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12481	ccsbBroad304 12481		BC017079	64754	SMYD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12482	ccsbBroad304 12482		BC012865	64760	FAM160B2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12483	ccsbBroad304 12483		BC121068	64762	FAM59A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12484	ccsbBroad304 12484	454	BC121067	64762	FAM59A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12485	ccsbBroad304 12485		BC063666	64764	CREB3L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12486	ccsbBroad304 12486		BC016328,BC056406	64769	MEAF6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12487	ccsbBroad304 12487		BC040285	64770	CCDC14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12488	ccsbBroad304 12488		BC014247	64773	FAM113A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12489	ccsbBroad304 12489		BC012204	64778	FNDC3B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12490	ccsbBroad304 12490		BC014407	64782	AEN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12491	Failed LR reaction		BC005164	64782	AEN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12492	ccsbBroad304 12492		BC103493	64783	RBM15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12493	ccsbBroad304 12493	454	BC074731	64784	CRTC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12494	ccsbBroad304 12494		BC028352	64786	TBC1D15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12495	ccsbBroad304 12495		BC019902	64793	CCDC21	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12496	ccsbBroad304 12496		BC012726	64794	DDX31	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12497	ccsbBroad304 12497		BC100981	64816	CYP3A43	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12498	ccsbBroad304 12498		BC126144,BC126146	64839	FBXL17	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12499	ccsbBroad304 12499	454	BC065526	64847	SPATA20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12500	ccsbBroad304 12500		BC005013	64852	TUT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12501	ccsbBroad304 12501		BC013426	64857	PLEKHG2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12502	ccsbBroad304 12502		BC027907	64881	PCDH20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12503	ccsbBroad304 12503		BC014661	64897	C12orf43	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12504	ccsbBroad304 12504	454	BC140806	64900	LPIN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12505	ccsbBroad304 12505		BC012489	64963	MRPS11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12506	ccsbBroad304 12506		BC013311	64978	MRPL38	1 synonomous error	hORFeome V8.1 Collection				
ccsbBroadEn 12507	ccsbBroad304 12507		BC014356,BC032595	65008	MRPL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12508	ccsbBroad304 12508		BC011795	65009	NDRG4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12509	ccsbBroad304 12509		BC000267	65056	GPBP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12510	ccsbBroad304 12510		BC038807	65061	CDK15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12511	ccsbBroad304 12511		BC030952	65084	TMEM135	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12512	ccsbBroad304 12512		BC021121	65125	WNK1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12513	ccsbBroad304 12513		BC017498	65243	ZNF643	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12514	ccsbBroad304 12514		BC002877	65258	MPPE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12515	ccsbBroad304 12515		BC073994	65258	MPPE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12516	ccsbBroad304 12516		BC007993	65263	PYCR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12517	ccsbBroad304 12517		BC015890	65264	UBE2Z	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12518	ccsbBroad304 12518		BC031231	65975	STK33	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12519	ccsbBroad304 12519		BC068508	65979	PHACTR4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12520	ccsbBroad304 12520		BC127098	65986	ZBTB10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12521	ccsbBroad304 12521		BC001062	65987	KCTD14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12522	ccsbBroad304 12522		BC000230,BC006425	65989	DLK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12523	ccsbBroad304 12523		BC009615	78990	OTUB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12524	ccsbBroad304 12524	454	BC000014	78991	PCYOX1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12525	ccsbBroad304 12525		BC000121	78995	C17orf53	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12526	ccsbBroad304 12526		BC000168	78996	C7orf49	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12527	ccsbBroad304 12527		BC067350	78996	C7orf49	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12528	ccsbBroad304 12528		BC014040	78999	LRFN4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12529	ccsbBroad304 12529		BC000262	79004	CUEDC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12530	ccsbBroad304 12530		BC000868	79024	MGC5590	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12531	ccsbBroad304 12531		BC000926	79026	AHNAK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12532	ccsbBroad304 12532		BC001072	79033	ERI3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12533	ccsbBroad304 12533	454	BC001076	79034	C7orf26	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12534	ccsbBroad304 12534		BC001132	79039	DDX54	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12535	ccsbBroad304 12535		BC000944	79042	TSEN34	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12536	ccsbBroad304 12536		BC001189	79048	SECISBP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12537	ccsbBroad304 12537		BC001135	79054	TRPM8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12538	ccsbBroad304 12538		BC126342	79054	TRPM8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12539	ccsbBroad304 12539		BC001206	79065	ATG9A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12540	ccsbBroad304 12540		BC000271,BC001434	79081	C11orf48	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12541	ccsbBroad304 12541		BC009411	79084	WDR77	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12542	ccsbBroad304 12542		BC001656	79085	SLC25A23	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12543	ccsbBroad304 12543		BC001792,BC004306	79089	TMUB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12544	ccsbBroad304 12544		BC001908	79091	C16orf68	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12545	ccsbBroad304 12545		BC001862	79097	TRIM48	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12546	ccsbBroad304 12546		BC001943	79098	C1orf116	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12547	ccsbBroad304 12547		BC005984	79133	C20orf7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12548	ccsbBroad304 12548		BC002462	79140	CCDC28B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12549	ccsbBroad304 12549		BC002631	79148	MMP28	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12550	ccsbBroad304 12550		BC002679,BC004263	79152	FA2H	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12551	ccsbBroad304 12551		BC017049	79152	FA2H	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12552	ccsbBroad304 12552		BC010453	79152	FA2H	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12553	ccsbBroad304 12553		BC002731	79154	DHRS11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12554	ccsbBroad304 12554		BC002779	79158	GNPTAB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12555	ccsbBroad304 12555		BC002868	79171	RBM42	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12556	ccsbBroad304 12556	454	BC002912	79176	FBXL15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12557	ccsbBroad304 12557		BC016442	79187	FSD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12558	ccsbBroad304 12558		BC008054	79188	TMEM43	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12559	ccsbBroad304 12559		BC003520	79269	DCAF10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12560	ccsbBroad304 12560		BC011959	79269	DCAF10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12561	ccsbBroad304 12561		BC002940,BC012729	79364	ZXDC	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12562	ccsbBroad304 12562		BC069185	79368	FCRL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12563	ccsbBroad304 12563		BC129836	79368	FCRL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12564	ccsbBroad304 12564	454	BC125097	79400	NOX5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12565	ccsbBroad304 12565		BC003523	79411	GLB1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12566	ccsbBroad304 12566		BC007218	79443	FYCO1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12567	ccsbBroad304 12567		BC003641	79446	WDR25	no errors	hORFeome V8.1 Collection				







ccsbBroadEn 12661	ccsbBroad304 12661		BC009182	80017	C14orf159	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12662	ccsbBroad304 12662		BC009981	80021	TMEM62	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12663	ccsbBroad304 12663		BC009421	80025	PANK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12664	ccsbBroad304 12664		BC013435	80028	FBXL18	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12665	ccsbBroad304 12665		BC009374	80032	ZNF556	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12666	ccsbBroad304 12666		BC018691	80045	GPR157	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12667	ccsbBroad304 12667		BC017769	80059	LRRTM4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12668	ccsbBroad304 12668	454	BC033891	80063	ATF7IP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12669	ccsbBroad304 12669		BC017694	80097	MZT2B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12670	ccsbBroad304 12670		BC034417	80122	YSK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12671	ccsbBroad304 12671		BC025689	80125	CCDC33	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12672	ccsbBroad304 12672		BC022216	80131	LRR8E	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12673	ccsbBroad304 12673		BC064963	80150	ASRGL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12674	ccsbBroad304 12674	454	BC093994	80161	ASMTL-AS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12675	ccsbBroad304 12675		BC128143	80167	C4orf29	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12676	ccsbBroad304 12676	454	BC128142	80167	C4orf29	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12677	ccsbBroad304 12677		BC103878	80168	MOGAT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12678	ccsbBroad304 12678		BC018719	80178	C16orf59	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12679	ccsbBroad304 12679		BC043488	80183	C13orf18	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12680	ccsbBroad304 12680		BC032311	80183	C13orf18	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12681	ccsbBroad304 12681		BC033770	80205	CHD9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12682	ccsbBroad304 12682		BC047416	80208	SPG11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12683	ccsbBroad304 12683		BC004514	80210	ARMC9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12684	Failed LR reaction		BC117305	80215	C21orf96	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12685	ccsbBroad304 12685		BC060780	80216	ALPK1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12686	ccsbBroad304 12686		BC024919	80224	NUBPL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12687	ccsbBroad304 12687		BC008883	80233	C17orf70	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12688	ccsbBroad304 12688		BC044640	80235	PIGZ	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12689	ccsbBroad304 12689		BC016464	80267	EDEM3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12690	ccsbBroad304 12690		BC012445	80305	TRABD	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12691	ccsbBroad304 12691		BC036529	80314	EPC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12692	ccsbBroad304 12692		BC036899	80315	CPEB4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12693	ccsbBroad304 12693		BC016050	80321	CEP70	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12694	ccsbBroad304 12694		BC062663	80332	ADAM33	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12695	ccsbBroad304 12695		BC125113	80332	ADAM33	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12696	ccsbBroad304 12696		BC018941	80335	WDR82	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12697	ccsbBroad304 12697	454	BC110302	80342	TRAF3IP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12698	ccsbBroad304 12698		BC006354	80347	COASY	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12699	ccsbBroad304 12699		BC000111	80723	TMEM22	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12700	ccsbBroad304 12700		BC015056	80724	ACAD10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12701	ccsbBroad304 12701		BC034327	80726	KIAA1683	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12702	ccsbBroad304 12702		BC127100	80726	KIAA1683	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12703	ccsbBroad304 12703		BC004163	80745	THUMP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12704	ccsbBroad304 12704		BC022080	80759	KHDC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12705	ccsbBroad304 12705		BC004373,BC014431	80777	CYB5B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12706	ccsbBroad304 12706		BC004480	80778	ZNF34	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12707	ccsbBroad304 12707		BC028136	80778	ZNF34	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12708	ccsbBroad304 12708		BC038113	80790	CMIP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12709	ccsbBroad304 12709		BC006276	80832	APOL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12710	ccsbBroad304 12710	454	BC110329	80856	KIAA1715	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12711	ccsbBroad304 12711		BC112395	80862	ZNRD1-AS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12712	Failed LR reaction		BC013201	80863	PRRT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12713	ccsbBroad304 12713		BC058003	80896	NPL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12714	ccsbBroad304 12714		BC121803	80975	TMPRSS5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12715	ccsbBroad304 12715		BC119700	81493	SYNC	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12716	ccsbBroad304 12716		BC018771	81544	GDPD5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12717	ccsbBroad304 12717		BC050424	81545	FBXO38	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12718	ccsbBroad304 12718		BC001207	81557	MAGED4B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12719	ccsbBroad304 12719		BC011629	81559	TRIM11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12720	ccsbBroad304 12720		BC006257	81570	CLPB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12721	ccsbBroad304 12721		BC000757,BC002943	81577	GFOD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12722	ccsbBroad304 12722	454	BC045597	81578	COL21A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12723	ccsbBroad304 12723		BC009562	81602	CDADC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12724	ccsbBroad304 12724		BC012373	81606	LBH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12725	ccsbBroad304 12725		BC012184	81609	SNX27	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12726	Failed LR reaction		BC002920	81619	TSPAN14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12727	ccsbBroad304 12727		BC058841	81792	ADAMTS12	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn 12728	ccsbBroad304 12728		BC012381	81831	NETO2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12729	ccsbBroad304 12729		BC000918	81856	ZNF611	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12730	ccsbBroad304 12730	454	BC025244	81858	SHARPIN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12731	ccsbBroad304 12731		BC019041	81888	HY1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12732	ccsbBroad304 12732		BC006140	81888	HY1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12733	ccsbBroad304 12733		BC015350	81890	QTRT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12734	ccsbBroad304 12734		BC000158	81926	FAM108A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12735	ccsbBroad304 12735	454	BC058894	83439	TCF7L1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12736	ccsbBroad304 12736		BC006112	83440	ADPGK	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12737	ccsbBroad304 12737		BC001796	83445	GSG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12738	ccsbBroad304 12738		BC008251	83451	ABHD11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12739	ccsbBroad304 12739		BC067297	83538	TTC25	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12740	ccsbBroad304 12740		BC025764	83539	CHST9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12741	ccsbBroad304 12741		BC005343	83544	DNAL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12742	ccsbBroad304 12742		BC038953	83548	COG3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12743	ccsbBroad304 12743		BC002862	83592	AKR1E2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12744	ccsbBroad304 12744		BC007724	83596	BCL2L12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12745	ccsbBroad304 12745		BC063663	83605	CCM2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12746	ccsbBroad304 12746		BC004144	83606	C22orf13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12747	ccsbBroad304 12747		BC070109	83606	C22orf13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12748	ccsbBroad304 12748		BC025950	83608	C18orf21	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12749	ccsbBroad304 12749		BC063518	83636	C19orf12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12750	ccsbBroad304 12750		BC110435	83637	ZMIZ2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12751	ccsbBroad304 12751		BC004872	83641	FAM107B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12752	ccsbBroad304 12752		BC063012	83716	CRISPLD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 12753	ccsbBroad304 12753		BC050664	83719	YPEL3	no errors	hORFeome V8.1 Collection				



ccsbBroadEn 12754	ccsbBroad304 12754			BC004551,BC027718	83734	ATG10	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12755	ccsbBroad304 12755			BC040924	83851	SYT16	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12756	ccsbBroad304 12756			BC036746	83856	FSD1L	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12757	ccsbBroad304 12757			BC028716	83857	TMTC1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12758	ccsbBroad304 12758			BC009938	83858	ATAD3B	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12759	ccsbBroad304 12759			BC029487	83862	TMEM120A	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12760	ccsbBroad304 12760			BC004878	83877	TM2D2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12761	ccsbBroad304 12761			BC024193	83894	TTC29	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12762	ccsbBroad304 12762			BC008344	83931	STK40	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12763	ccsbBroad304 12763			BC015740	83932	C1orf124	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12764	ccsbBroad304 12764			BC008497	83943	IMMP2L	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12765	ccsbBroad304 12765			BC114928	84000	TMPRSS13	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12766	ccsbBroad304 12766			BC098262	84033	OBSCN	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12767	ccsbBroad304 12767			BC051753	84058	WDR54	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12768	ccsbBroad304 12768			BC060842	84061	MAGT1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12769	ccsbBroad304 12769			BC063037	84061	MAGT1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12770	ccsbBroad304 12770			BC007312	84063	KIRREL2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12771	ccsbBroad304 12771			BC011894	84064	HDHD2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12772	ccsbBroad304 12772			BC023288	84068	SLC10A7	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12773	ccsbBroad304 12773			CCSB53367	84068	SLC10A7	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12774	ccsbBroad304 12774			BC028393	84073	MYCBPAP	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12775	ccsbBroad304 12775			BC024326	84085	FBXO30	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12776	ccsbBroad304 12776			BC010235	84108	PCGF6	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12777	ccsbBroad304 12777			BC007602	84108	PCGF6	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12778	ccsbBroad304 12778			BC128133	84109	QRFRP	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12779	ccsbBroad304 12779			BC005399	84125	LRRIQ1	1 synonymous error	hORFeome V8.1 Collection					
ccsbBroadEn 12780	ccsbBroad304 12780			BC030597	84126	ATRIIP	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12781	ccsbBroad304 12781			BC013064	84135	UTP15	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12782	ccsbBroad304 12782			BC107163	84140	FAM161A	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12783	ccsbBroad304 12783			BC016905	84142	FAM175A	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12784	ccsbBroad304 12784			BC039573	84142	FAM175A	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12785	ccsbBroad304 12785			BC047706	84163	GTF2IRD2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12786	ccsbBroad304 12786			BC067859	84163	GTF2IRD2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12787	ccsbBroad304 12787			BC027869	84167	C19orf44	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12788	ccsbBroad304 12788			BC007522	84171	LOXL4	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12789	ccsbBroad304 12789			BC034022	84186	ZCCHC7	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12790	ccsbBroad304 12790			BC009054	84193	SETD3	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12791	ccsbBroad304 12791			BC066931	84193	SETD3	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12792	ccsbBroad304 12792			BC011576	84196	USP48	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12793	ccsbBroad304 12793			BC013567	84196	USP48	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12794	ccsbBroad304 12794			BC078140	84218	TBC1D3F	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12795	ccsbBroad304 12795			BC024011	84224	NBPF3	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12796	ccsbBroad304 12796			BC027900	84236	RHBDD1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12797	ccsbBroad304 12797			BC014841	84240	ZCCHC9	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12798	ccsbBroad304 12798			BC018713	84247	LDLOC1L	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12799	ccsbBroad304 12799			BC004407	84267	C9orf64	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12800	ccsbBroad304 12800			BC019643	84271	POLDIP3	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12801	ccsbBroad304 12801			BC005071,BC017072	84280	BTBD10	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12802	ccsbBroad304 12802			BC005370	84289	ING5	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12803	ccsbBroad304 12803			BC005871	84293	C10orf58	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12804	ccsbBroad304 12804			BC006011	84301	DDI2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12805	ccsbBroad304 12805			BC006235	84311	MRPL45	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12806	ccsbBroad304 12806			BC070231	84314	TMEM107	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12807	ccsbBroad304 12807			BC047022	84315	MON1A	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12808	ccsbBroad304 12808			BC059944	84316	LSMD1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12809	ccsbBroad304 12809			BC006429	84317	CCDC115	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12810	ccsbBroad304 12810			BC016941	84324	SARNP	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12811	ccsbBroad304 12811			BC007240	84328	LZIC	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12812	ccsbBroad304 12812			BC007277	84329	HVCN1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12813	ccsbBroad304 12813			BC007377	84333	PCGF5	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12814	ccsbBroad304 12814	454		BC007412	84334	C14orf153	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12815	ccsbBroad304 12815			BC015562	84335	AKT1S1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12816	ccsbBroad304 12816			BC017492	84342	COG8	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12817	ccsbBroad304 12817	454		BC152449	84441	MAML2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12818	ccsbBroad304 12818			BC064571	84449	ZNF333	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12819	ccsbBroad304 12819			BC048107	84449	ZNF333	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12820	ccsbBroad304 12820			BC043221	84450	ZNF512	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12821	ccsbBroad304 12821			BC011268	84457	PHYHIP1L	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12822	ccsbBroad304 12822			BC045706	84460	ZMAT1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12823	ccsbBroad304 12823			BC036335	84464	SLX4	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12824	ccsbBroad304 12824			BC139732	84501	SPIRE2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12825	ccsbBroad304 12825			BC033025	84513	PPAPDC1B	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12826	ccsbBroad304 12826			BC109390	84520	C14orf142	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12827	ccsbBroad304 12827			BC032001	84524	ZC3H8	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12828	ccsbBroad304 12828			BC128244	84536	C21orf67	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12829	ccsbBroad304 12829			BC117487	84541	KBTD8	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12830	ccsbBroad304 12830			BC006515	84553	C6orf168	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12831	ccsbBroad304 12831			BC020506	84561	SLC12A8	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12832	ccsbBroad304 12832			BC014592	84572	GNPTG	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12833	ccsbBroad304 12833			BC008680	84620	ST6GAL2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12834	ccsbBroad304 12834	454		BC146783	84624	FNDC1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12835	ccsbBroad304 12835	454		BC146667	84626	KRBA1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12836	ccsbBroad304 12836	454		BC120935	84648	LCE3D	no errors	hORFeome V8.1 Collection	84648	LCE3D	NM_032563.1	Full Length 99-100% match	
ccsbBroadEn 12837	ccsbBroad304 12837			BC064940	84656	GLYR1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12838	ccsbBroad304 12838			BC037248	84691	FAM71F1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12839	ccsbBroad304 12839			BC071865	84695	LOXL3	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12840	ccsbBroad304 12840			BC056672	84698	CAPS2	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12841	ccsbBroad304 12841	454		BC150626	84700	MYO18B	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12842	ccsbBroad304 12842			BC000988	84719	NCRNA00260	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12843	ccsbBroad304 12843			BC013987	84720	PIGO	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12844	ccsbBroad304 12844			BC001030	84720	PIGO	1 synonymous error	hORFeome V8.1 Collection					
ccsbBroadEn 12845	ccsbBroad304 12845			BC056909	84722	PSRC1	no errors	hORFeome V8.1 Collection					
ccsbBroadEn 12846	ccsbBroad304 12846			BC012289	84726	PRRC2B	no errors	hORFeome V8.1 Collection					



ccsbBroadEn	12847	ccsbBroad304	12847			BC004269	84734	FAM167B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12848	ccsbBroad304	12848			BC004271	84735	CNDP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12849	ccsbBroad304	12849			BC117122	84735	CNDP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12850	ccsbBroad304	12850			BC004405	84741	MGC10997	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12851	ccsbBroad304	12851			BC004868	84749	USP30	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12852	ccsbBroad304	12852			BC004943	84757	MGC10814	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12853	ccsbBroad304	12853			BC004952	84759	PCGF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12854	ccsbBroad304	12854			BC004992	84765	ZNF577	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12855	ccsbBroad304	12855			BC005014	84767	SPRYD5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12856	ccsbBroad304	12856			BC005072	84772	MGC13008	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12857	ccsbBroad304	12857			BC005085	84775	ZNF607	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12858	ccsbBroad304	12858			BC006273	84807	NFKBID	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12859	ccsbBroad304	12859			BC006399	84816	RTN4IP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12860	ccsbBroad304	12860			BC006411	84818	IL17RC	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12861	ccsbBroad304	12861			BC006521	84824	FCRLA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12862	ccsbBroad304	12862			BC006808	84826	SFT2D3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12863	ccsbBroad304	12863			BC007360	84848	MGC16121	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12864	ccsbBroad304	12864			BC007394	84856	LOC84856	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12865	ccsbBroad304	12865			BC117269	84865	CCDC142	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12866	ccsbBroad304	12866			BC020843	84868	HAVCR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12867	ccsbBroad304	12867			BC126383	84871	AGBL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12868	ccsbBroad304	12868			BC015369	84876	ORAI1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12869	ccsbBroad304	12869			BC048251	84885	ZDHC12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12870	ccsbBroad304	12870			BC021220	84892	C3orf39	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12871	ccsbBroad304	12871			BC011057	84894	LINGO1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12872	ccsbBroad304	12872			BC068558	84894	LINGO1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12873	ccsbBroad304	12873			BC009114	84895	FAM73B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12874	ccsbBroad304	12874			BC010868	84896	ATAD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12875	ccsbBroad304	12875			BC109269	84897	TBRG1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12876	ccsbBroad304	12876			BC012885	84898	PLXDC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12877	ccsbBroad304	12877			BC018311,BC021551	84901	NFATC2IP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12878	ccsbBroad304	12878			BC068007	84901	NFATC2IP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12879	ccsbBroad304	12879			BC032307	84902	CCDC123	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12880	ccsbBroad304	12880			BC132873	84905	ZNF341	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12881	ccsbBroad304	12881			BC017219	84914	ZNF587	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12882	ccsbBroad304	12882			BC011054,BC025238	84923	FAM104A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12883	ccsbBroad304	12883			BC057784	84928	TMEM209	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12884	ccsbBroad304	12884			BC012379	84933	C8orf76	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12885	ccsbBroad304	12885			BC015738	84936	ZFYVE19	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12886	ccsbBroad304	12886			BC019585	84939	MUM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12887	ccsbBroad304	12887			BC130443	84939	MUM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12888	ccsbBroad304	12888			BC064514	84940	CORO6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12889	ccsbBroad304	12889			BC022566	84945	ABHD13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12890	ccsbBroad304	12890			BC032632	84948	TIGD5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12891	ccsbBroad304	12891			BC000777	84950	PRPF38A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12892	ccsbBroad304	12892	454		BC018706	84951	TNS4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12893	ccsbBroad304	12893	454		BC031258	84955	NUDCD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12894	ccsbBroad304	12894			BC015764	84958	SYTL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12895	ccsbBroad304	12895			BC064582	84960	KIAA1984	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12896	ccsbBroad304	12896			BC011542	84976	DISP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12897	ccsbBroad304	12897			BC007734	84976	DISP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12898	ccsbBroad304	12898			BC007827	84984	C3orf34	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12899	ccsbBroad304	12899			BC007828	84985	FAM83A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12900	Failed LR reaction				BC007848	84986	ARHGAP19	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12901	ccsbBroad304	12901			BC007983	85002	FAM86B1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12902	ccsbBroad304	12902			BC006128	85016	C11orf70	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12903	ccsbBroad304	12903			BC006280	85019	C18orf45	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12904	ccsbBroad304	12904			BC021211	85021	REPS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12905	ccsbBroad304	12905			BC012764	85021	REPS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12906	ccsbBroad304	12906			BC065930	85025	TMEM60	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12907	ccsbBroad304	12907			BC069448	85293	KRTAP3-3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12908	ccsbBroad304	12908			BC016984	85313	PPIL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12909	ccsbBroad304	12909			BC039085	85320	ABCC11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12910	ccsbBroad304	12910			BC029926	85360	SYDE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12911	ccsbBroad304	12911			BC015126	85365	ALG2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12912	ccsbBroad304	12912			BC035246	85376	RIMBP3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12913	ccsbBroad304	12913			BC012176	85409	NKD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12914	ccsbBroad304	12914	454		BC030701	85444	LRRCC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12915	ccsbBroad304	12915			BC131533	85446	ZFH2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12916	ccsbBroad304	12916			BC011636	85464	SSH2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12917	ccsbBroad304	12917			BC021229	85465	EPT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12918	ccsbBroad304	12918			BC021573	85865	GTPBP10	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12919	ccsbBroad304	12919			BC057817	88455	ANKRD13A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12920	ccsbBroad304	12920			BC011763,BC025949	89122	TRIM4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12921	ccsbBroad304	12921			BC130370,BC130372	89778	SERPINE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12922	ccsbBroad304	12922			BC103921	89780	WNT3A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12923	ccsbBroad304	12923			BC032348	89857	KLHL6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12924	ccsbBroad304	12924			BC009106	89866	SEC16B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12925	ccsbBroad304	12925			BC125067	89869	PLCZ1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12926	ccsbBroad304	12926			BC011874	89891	WDR34	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12927	ccsbBroad304	12927			BC022360	89894	TMEM116	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12928	ccsbBroad304	12928			BC051266	89910	UBE3B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12929	ccsbBroad304	12929			BC042057	89932	PAPLN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12930	ccsbBroad304	12930			BC009073	90050	FAM181A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12931	ccsbBroad304	12931			BC125159	90133	KRT8P12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12932	Failed LR reaction		454		BC042525	90135	BTBD6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12933	ccsbBroad304	12933			BC019342	90139	TSPAN18	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12934	ccsbBroad304	12934			BC041615	90233	ZNF551	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12935	ccsbBroad304	12935			BC015392	90268	FAM105B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12936	ccsbBroad304	12936			BC007706	90268	FAM105B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12937	ccsbBroad304	12937			BC032805	90317	ZNF616	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12938	ccsbBroad304	12938			BC063143	90333	ZNF468	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12939	ccsbBroad304	12939			BC013280	90379	DCAF15	no errors	hORFeome V8.1 Collection				



ccsbBroadEn	12940	ccsbBroad304	12940		BC038094	90410	IIFT20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12941	ccsbBroad304	12941		BC014974	90522	YIF1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12942	ccsbBroad304	12942	454	BC025257	90522	YIF1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12943	ccsbBroad304	12943	454	BC046563	90627	STARD13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12944	ccsbBroad304	12944		BC016966	90806	ANGEL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12945	ccsbBroad304	12945		BC047469	90806	ANGEL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12946	ccsbBroad304	12946	454	BC092491	90835	C16orf93	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12947	ccsbBroad304	12947		BC009510	90871	C9orf123	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12948	ccsbBroad304	12948	454	BC002792	90925	LOC90925	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12949	ccsbBroad304	12949		BC018765	90933	TRIM41	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12950	Failed LR reaction			BC009762	90933	TRIM41	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12951	ccsbBroad304	12951		BC014107	90956	ADCK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12952	ccsbBroad304	12952		BC060778	90957	DHX57	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12953	ccsbBroad304	12953		BC017264	91056	DKFZp761E198	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12954	ccsbBroad304	12954		BC109109	91056	DKFZp761E198	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12955	ccsbBroad304	12955		BC032835	91147	TMEM67	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12956	ccsbBroad304	12956		BC131529	91156	IGFN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12957	ccsbBroad304	12957		BC067771	91409	CCDC74B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12958	ccsbBroad304	12958		BC033881	91419	XRCC6BP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12959	ccsbBroad304	12959		BC042428	91522	COL23A1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12960	ccsbBroad304	12960		BC016154	91523	FAM113B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12961	ccsbBroad304	12961		BC016985	91526	ANKRD44	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12962	ccsbBroad304	12962		BC038106	91544	UBXN11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12963	ccsbBroad304	12963		BC011584	91603	ZNF830	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12964	ccsbBroad304	12964	454	BC020550	91612	CHURC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12965	ccsbBroad304	12965		BC114444	91624	NEXN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12966	ccsbBroad304	12966	454	BC111395	91624	NEXN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12967	ccsbBroad304	12967		BC034614	91653	BOC	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12968	ccsbBroad304	12968		BC117381,BC117385	91694	LONRF1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12969	ccsbBroad304	12969		BC109097	91807	MYLK3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12970	ccsbBroad304	12970		BC009516	91860	CALML4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12971	ccsbBroad304	12971		BC101247	91869	RFT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12972	ccsbBroad304	12972		BC001909,BC032121	92002	FAM58A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12973	ccsbBroad304	12973		BC007232	92002	FAM58A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12974	ccsbBroad304	12974		BC009995	92105	INTS4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12975	ccsbBroad304	12975		BC015664	92105	INTS4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12976	ccsbBroad304	12976		BC019910	92181	UBTD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12977	ccsbBroad304	12977		BC028631	92283	ZNF461	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12978	ccsbBroad304	12978		BC008353	92292	GLYATL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12979	ccsbBroad304	12979		BC043641	92335	STRADA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12980	ccsbBroad304	12980	454	BC121146	92609	TIMM50	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12981	ccsbBroad304	12981		BC067775	92703	TMEM183A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12982	ccsbBroad304	12982		BC032781	92822	ZNF276	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12983	ccsbBroad304	12983		BC008217	92906	HNRPLL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12984	ccsbBroad304	12984		BC100788	92949	ADAMTSL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12985	ccsbBroad304	12985	454	BC009489	92979	MARCH9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12986	ccsbBroad304	12986		BC021855	92999	ZBTB47	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12987	ccsbBroad304	12987		BC015148	93081	C13orf27	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12988	ccsbBroad304	12988		BC011886	93099	DMKN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12989	ccsbBroad304	12989		BC006284	93100	NAPRT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12990	ccsbBroad304	12990		BC008969	93107	KCNG4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12991	ccsbBroad304	12991		BC034353	93109	TMEM44	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12992	ccsbBroad304	12992		BC032668	93134	ZNF561	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12993	ccsbBroad304	12993		BC117431	93233	CCDC114	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12994	ccsbBroad304	12994		BC010176	93323	HAUS8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12995	ccsbBroad304	12995		BC034821	93426	SYCE1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12996	ccsbBroad304	12996		BC048968	93550	ANUBL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12997	ccsbBroad304	12997	454	BC105690	93556	EGFEM1P	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12998	ccsbBroad304	12998		BC048288	93589	CACNA2D4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	12999	ccsbBroad304	12999		BC101334	93624	TADA2B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13000	ccsbBroad304	13000		BC032744	93973	ACTR8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13001	ccsbBroad304	13001		BC126104	93986	FOXP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13002	ccsbBroad304	13002		BC011502	94039	ZNF101	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13003	ccsbBroad304	13003		BC020517	94081	SFXN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13004	ccsbBroad304	13004		BC100830	94120	SYTL3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13005	ccsbBroad304	13005		BC115362	94134	ARHGAP12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13006	ccsbBroad304	13006	454	BC094719	94134	ARHGAP12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13007	ccsbBroad304	13007	454	BC056162	95681	TSGA14	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13008	ccsbBroad304	13008		BC001956	96459	FNIP1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13009	ccsbBroad304	13009		BC128223	96597	TBC1D27	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13010	ccsbBroad304	13010		BC011999	96764	TGS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13011	ccsbBroad304	13011	454	BC102030	112399	EGLN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13012	ccsbBroad304	13012		BC010155	112812	FDX1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13013	ccsbBroad304	13013		BC011001	112937	GLB1L3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13014	ccsbBroad304	13014		BC063875	112937	GLB1L3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13015	ccsbBroad304	13015		BC011716	113115	FAM54A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13016	ccsbBroad304	13016		BC049216	113146	AHNAK2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13017	ccsbBroad304	13017	454	BC012010	113174	SAAL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13018	ccsbBroad304	13018		BC012124	113201	CASC4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13019	ccsbBroad304	13019		BC063480	113201	CASC4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13020	ccsbBroad304	13020		BC063479	113251	LARP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13021	ccsbBroad304	13021		BC022377	113251	LARP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13022	ccsbBroad304	13022		BC011670	113386	LOC113386	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13023	ccsbBroad304	13023		BC073851,BC112231	113444	C1orf212	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13024	Failed LR reaction			BC011863	113510	HELQ	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13025	ccsbBroad304	13025		BC009991	113691	MGC16703	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn	13026	ccsbBroad304	13026		BC009980	113730	KLHDC7B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13027	ccsbBroad304	13027		BC011204	113828	FAM83F	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13028	ccsbBroad304	13028		BC036446	113835	ZNF257	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13029	ccsbBroad304	13029	454	BC093749	114036	C21orf82	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13030	ccsbBroad304	13030	454	BC059792	114044	MCM3AP-AS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13031	ccsbBroad304	13031	454	BC047507	114134	SLC2A13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn	13032	ccsbBroad304	13032	454	BC069367	114336	CGB2	no errors	hORFeome V8.1 Collection				



ccsbBroadEn 13033	ccsbBroad304 13033			BC022379	114571	SLC22A9	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13034	ccsbBroad304 13034			BC117373	114659	LRRRC37B	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13035	ccsbBroad304 13035			BC014157	114780	PKD1L2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13036	ccsbBroad304 13036			BC031871	114784	CSMD2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13037	ccsbBroad304 13037			BC071627	114792	KLHL32	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13038	ccsbBroad304 13038			BC036492	114793	FMNL2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13039	ccsbBroad304 13039			BC101032	114805	GALNT13	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13040	ccsbBroad304 13040			BC015667	114818	KLHL29	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13041	ccsbBroad304 13041			BC052259	114880	OSBPL6	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13042	ccsbBroad304 13042			BC010422	114885	OSBPL11	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13043	ccsbBroad304 13043			BC054506	114898	C1QTNF2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13044	ccsbBroad304 13044			BC016021	114899	C1QTNF3	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13045	ccsbBroad304 13045			BC013035	114926	C8orf40	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13046	ccsbBroad304 13046			BC013742,BC016971	115024	NT5C3L	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13047	ccsbBroad304 13047			BC005958	115106	HAUS1	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13048	ccsbBroad304 13048			BC035936	115399	LRRRC56	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13049	ccsbBroad304 13049			BC012860	115557	ARHGEF25	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13050	ccsbBroad304 13050			BC013762	115560	ZNF501	1 synonymous error	hORFeome V8.1 Collection							
ccsbBroadEn 13051	ccsbBroad304 13051			BC057780	115584	SLC5A11	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13052	ccsbBroad304 13052			BC103915	115669	TTC6	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13053	ccsbBroad304 13053	454		BC103914	115669	TTC6	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13054	ccsbBroad304 13054			BC011785	115939	C16orf42	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13055	ccsbBroad304 13055			BC014252	115948	CCDC151	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13056	ccsbBroad304 13056			BC058027	116068	LYSMD3	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13057	ccsbBroad304 13057			BC009460	116138	KLHDC3	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13058	ccsbBroad304 13058			BC014022	116143	WDR92	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13059	ccsbBroad304 13059			BC041961	116328	C8orf34	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13060	ccsbBroad304 13060			BC014577	116969	ART5	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13061	ccsbBroad304 13061			BC114950	117154	DACH2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13062	ccsbBroad304 13062			BC066595	117157	SH2D1B	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13063	ccsbBroad304 13063			BC064389	117178	SSX2IP	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13064	ccsbBroad304 13064			BC000131	117246	FTSJ3	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13065	ccsbBroad304 13065			BC017968	117247	SLC16A10	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13066	ccsbBroad304 13066			BC028424	117584	RFFL	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13067	ccsbBroad304 13067			BC034001	118429	ANTXR2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13068	ccsbBroad304 13068			BC126413	118461	C10orf71	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13069	ccsbBroad304 13069			BC109262	118663	BTBD16	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13070	ccsbBroad304 13070			BC029917	118788	PIK3AP1	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13071	ccsbBroad304 13071			BC022054	118812	MORN4	1 synonymous error	hORFeome V8.1 Collection							
ccsbBroadEn 13072	ccsbBroad304 13072			BC030621	118813	ZFYVE27	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13073	ccsbBroad304 13073			BC015994	119032	C10orf32	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13074	ccsbBroad304 13074			BC043256	119392	C10orf78	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13075	ccsbBroad304 13075			BC043367	119395	CALHM3	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13076	ccsbBroad304 13076			BC036527	119437	CTAGE7P	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13077	ccsbBroad304 13077			BC009561	119710	C11orf74	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13078	ccsbBroad304 13078			BC003642	120227	CYP2R1	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13079	ccsbBroad304 13079			BC131523	120939	C12orf59	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13080	ccsbBroad304 13080			BC018090	121274	ZNF641	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13081	ccsbBroad304 13081			BC114442	121278	TPH2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13082	ccsbBroad304 13082			BC051372	121457	IKBIP	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13083	ccsbBroad304 13083	454		BC045552	121512	FGD4	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13084	ccsbBroad304 13084			BC015624,BC022220	121536	AEBP2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13085	ccsbBroad304 13085			BC128211	121549	ASCL4	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13086	ccsbBroad304 13086			BC109308	121601	ANO4	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13087	ccsbBroad304 13087			BC128057	122402	TDRD9	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13088	ccsbBroad304 13088			BC035256	122481	AK7	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13089	ccsbBroad304 13089			BC011537,BC025175	122616	C14orf79	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13090	ccsbBroad304 13090			BC015003	122618	PLD4	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13091	ccsbBroad304 13091	454		BC068070	122704	MRPL52	no errors	hORFeome V8.1 Collection	122704	MRPL52	NM_178336.2	Full Length 99-100% match			
ccsbBroadEn 13092	ccsbBroad304 13092			BC029870	122786	FRMD6	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13093	ccsbBroad304 13093	454		BC122557	122830	NAA30	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13094	ccsbBroad304 13094	454		BC132964	123096	SLC25A29	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13095	ccsbBroad304 13095	454		BC146951	123103	KLHL33	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13096	ccsbBroad304 13096			BC019820	123207	C15orf40	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13097	ccsbBroad304 13097	454		BC016630,BC033687	123263	MTFMT	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13098	ccsbBroad304 13098			BC019704	123355	LRRRC28	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13099	ccsbBroad304 13099	454		BC104955	123591	C15orf27	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13100	ccsbBroad304 13100			BC027606	124044	SPATA2L	1 synonymous error	hORFeome V8.1 Collection							
ccsbBroadEn 13101	ccsbBroad304 13101			BC027941	124093	CCDC78	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13102	ccsbBroad304 13102			BC009722	124220	ZG16B	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13103	ccsbBroad304 13103			BC041609	124221	PRSS30P	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13104	ccsbBroad304 13104			BC050387	124401	ANKS3	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13105	ccsbBroad304 13105			BC040013	124454	EARS2	1 synonymous error	hORFeome V8.1 Collection							
ccsbBroadEn 13106	ccsbBroad304 13106			BC115385	124535	HSF5	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13107	ccsbBroad304 13107			BC017560	124540	MSI2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13108	ccsbBroad304 13108			BC026362	124602	KIF19	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13109	ccsbBroad304 13109			BC048806	124773	C17orf64	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13110	ccsbBroad304 13110			BC047776	124808	CCDC43	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13111	ccsbBroad304 13111			BC000248	125058	TBC1D16	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13112	ccsbBroad304 13112			BC039868	125206	SLC5A10	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13113	ccsbBroad304 13113			BC048989	125476	INO80C	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13114	ccsbBroad304 13114			BC029535	126123	IZUMO2	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13115	ccsbBroad304 13115			BC031227	126248	WDR88	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13116	ccsbBroad304 13116			BC025744	126364	LRRRC25	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13117	ccsbBroad304 13117			BC101120	126375	ZNF792	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13118	ccsbBroad304 13118	454		BC101118	126375	ZNF792	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13119	ccsbBroad304 13119	454		BC033143	126695	C1orf172	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13120	ccsbBroad304 13120	454		BC039241	126731	C1orf96	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13121	ccsbBroad304 13121			BC022077	126823	KLHDC9	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13122	ccsbBroad304 13122	454		BC146823	126859	C1orf125	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13123	ccsbBroad304 13123	454		BC101129	127124	ATP6V1G3	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13124	ccsbBroad304 13124			BC062795	127255	LRRICQ3	no errors	hORFeome V8.1 Collection							
ccsbBroadEn 13125	ccsbBroad304 13125			BC020778	127255	LRRICQ3	no errors	hORFeome V8.1 Collection							



ccsbBroadEn 13126	ccsbBroad304 13126	454	BC019034	127262	TPRG1L	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13127	ccsbBroad304 13127		BC022547	127281	C1orf93	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13128	ccsbBroad304 13128		BC016016	127396	ZNF684	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13129	ccsbBroad304 13129		BC070148	127540	HMGB4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13130	ccsbBroad304 13130		BC113560	127544	RNF19B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13131	ccsbBroad304 13131		BC119716	127602	DNAH14	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13132	ccsbBroad304 13132	454	BC057819	127687	C1orf122	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13133	ccsbBroad304 13133		BC018069	127700	OSCP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13134	ccsbBroad304 13134		BC042203	127795	C1orf87	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13135	ccsbBroad304 13135		BC036800	128061	C1orf131	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13136	ccsbBroad304 13136		BC046928	128178	EDARADD	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13137	ccsbBroad304 13137	454	BC056917	128240	APOA1BP	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13138	ccsbBroad304 13138		BC047025	128338	DRAM2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13139	ccsbBroad304 13139		BC040237	128439	SNHG11	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13140	ccsbBroad304 13140		BC030758	128977	C22orf39	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13141	ccsbBroad304 13141		BC111698	129049	SGSM1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13142	ccsbBroad304 13142		BC040721	129285	KLRAQ1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13143	ccsbBroad304 13143		BC022888	129446	XIRP2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13144	ccsbBroad304 13144		BC063502	129450	C2orf60	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13145	ccsbBroad304 13145		BC036113	129563	DIS3L2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13146	ccsbBroad304 13146		BC033728	129685	TAF8	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13147	ccsbBroad304 13147		BC119678	129685	TAF8	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13148	ccsbBroad304 13148		BC032379	129787	TMEM18	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13149	ccsbBroad304 13149		CCSB53233	129852	C2orf73	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13150	ccsbBroad304 13150		BC117445	129881	C2orf77	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13151	ccsbBroad304 13151		BC016018	130013	ACMSD	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13152	ccsbBroad304 13152		BC066347	130074	FAM168B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13153	ccsbBroad304 13153		BC063310	130271	PLEKHH2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13154	ccsbBroad304 13154		BC009606	130340	AP1S3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13155	ccsbBroad304 13155		BC018203	130576	LYPD6B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13156	ccsbBroad304 13156		BC020898	130827	TMEM182	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13157	ccsbBroad304 13157		BC015395	130940	CCDC148	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13158	ccsbBroad304 13158		BC014602	130951	C2orf65	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13159	ccsbBroad304 13159	454	BC031261	131368	ZPLD1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13160	ccsbBroad304 13160		BC022078	131540	ZDHC19	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13161	ccsbBroad304 13161		BC034801	131540	ZDHC19	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13162	ccsbBroad304 13162		BC029658	131566	DCBLD2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13163	ccsbBroad304 13163		BC017058	131601	TPRA1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13164	ccsbBroad304 13164		BC029577,BC036239	131831	FAM194A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13165	ccsbBroad304 13165		BC031215	131870	NUDT16	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13166	ccsbBroad304 13166		BC022400	131965	METTL6	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13167	ccsbBroad304 13167		BC034228	132141	IQCF1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13168	ccsbBroad304 13168		BC053996	132241	RPL32P3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13169	ccsbBroad304 13169	454	BC047943	132243	H1FOO	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13170	ccsbBroad304 13170		BC064428	132320	SCLT1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13171	ccsbBroad304 13171		BC015532	132789	GNPDA2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13172	ccsbBroad304 13172		BC029428	132851	SPATA4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13173	ccsbBroad304 13173	454	BC103939	132864	CPEB2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13174	ccsbBroad304 13174		BC047447	133308	NHEDC2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13175	Failed LR reaction		BC110490	133396	IL31RA	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13176	ccsbBroad304 13176		BC034976	133482	SLCO6A1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13177	ccsbBroad304 13177		BC017586	133690	CAPSL	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13178	ccsbBroad304 13178		BC130624	133746	JMY	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13179	ccsbBroad304 13179		BC030767	133874	C5orf58	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13180	ccsbBroad304 13180		BC029532	134187	POU5F2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13181	ccsbBroad304 13181		BC037955	134637	ADAT2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13182	ccsbBroad304 13182		BC071782	135112	NCOA7	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13183	ccsbBroad304 13183		BC113995	135152	B3GAT2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13184	ccsbBroad304 13184		BC036917	135398	C6orf141	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13185	ccsbBroad304 13185		BC069477	135656	DPCR1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13186	ccsbBroad304 13186		BC014596	135927	C7orf34	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13187	ccsbBroad304 13187		BC126351	136371	ASB10	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13188	ccsbBroad304 13188		BC015651	136853	SRCRB4D	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13189	ccsbBroad304 13189		BC015397	136895	C7orf31	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13190	ccsbBroad304 13190		BC026098	137196	CCDC26	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13191	ccsbBroad304 13191		BC014598	137392	FAM92A1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13192	ccsbBroad304 13192		BC022363	137492	VPS37A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13193	ccsbBroad304 13193		BC020835	137695	TMEM68	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13194	ccsbBroad304 13194		BC125037	137868	SGCZ	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13195	ccsbBroad304 13195		BC132813	137902	PXDNL	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13196	ccsbBroad304 13196		BC029541	137994	LETM2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13197	ccsbBroad304 13197		BC130404	138240	C9orf57	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13198	Failed LR reaction	454	BC031229	139221	MUM1L1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13199	ccsbBroad304 13199		BC033746	139728	PNCK	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13200	ccsbBroad304 13200		BC113536,BC113538	140258	KRTAP13-1	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn 13201	ccsbBroad304 13201		BC015416	140545	RNF32	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13202	ccsbBroad304 13202		BC029499	140625	ACTRT2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13203	ccsbBroad304 13203		BC051762	140680	C20orf96	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13204	ccsbBroad304 13204		BC046362	140738	TMEM37	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13205	ccsbBroad304 13205	454	BC030259	140834	C20orf62	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13206	ccsbBroad304 13206		BC118988	140849	NCRNA00266	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13207	ccsbBroad304 13207		BC103840	140851	MT1P3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13208	ccsbBroad304 13208	454	BC112060	140873	C20orf173	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13209	ccsbBroad304 13209		BC026692	140885	SIRPA	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13210	ccsbBroad304 13210	454	BC140883	140901	STK35	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13211	ccsbBroad304 13211		BC117225	142683	ITLN2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13212	ccsbBroad304 13212		BC114953	142686	ASB14	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13213	ccsbBroad304 13213		BC008131	142937	LOC142937	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13214	ccsbBroad304 13214		BC031614	143162	FRMPD2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13215	ccsbBroad304 13215		BC038294	143384	C10orf46	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13216	ccsbBroad304 13216		BC064584	143570	XRRA1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13217	ccsbBroad304 13217		BC026013	143684	FAM76B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13218	ccsbBroad304 13218		BC017296	143686	SESN3	no errors	hORFeome V8.1 Collection



ccsbBroadEn 13219	ccsbBroad304 13219	454	BC056261	144108	SPTY2D1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13220	ccsbBroad304 13220	454	BC060766	144195	SLC2A14	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13221	ccsbBroad304 13221		BC046190	144203	OVOS2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13222	ccsbBroad304 13222		BC071769	144363	LYRM5	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13223	ccsbBroad304 13223		BC046366	144402	CPNE8	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13224	ccsbBroad304 13224		BC043528	144423	GLT1D1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13225	Failed LR reaction		BC006440	144453	BEST3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13226	ccsbBroad304 13226		BC068031	144715	RAD9B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13227	ccsbBroad304 13227		BC047645	144715	RAD9B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13228	ccsbBroad304 13228	454	BC121159	145497	C14orf166B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13229	ccsbBroad304 13229		BC117365	145757	LOC145757	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13230	ccsbBroad304 13230		BC109252	145858	C15orf32	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13231	ccsbBroad304 13231		BC111413	145873	MESP2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13232	ccsbBroad304 13232		BC109271	146050	ZSCAN29	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13233	ccsbBroad304 13233		BC063862	146664	MGAT5B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13234	ccsbBroad304 13234		BC110529	146712	B3GNL1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13235	ccsbBroad304 13235	454	BC101062	146862	UNC45B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13236	ccsbBroad304 13236		BC015582	147015	DHRS13	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13237	ccsbBroad304 13237		BC118647	147172	LRRC37BP1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13238	ccsbBroad304 13238		BC046645	147372	CCBE1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13239	ccsbBroad304 13239		BC104019	147664	HERV-V1	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn 13240	ccsbBroad304 13240		BC062452	147699	PPM1N	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13241	ccsbBroad304 13241		BC073841	147700	KLC3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13242	ccsbBroad304 13242		BC034629	147719	LYPD4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13243	ccsbBroad304 13243		BC032477	147798	TMC4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13244	ccsbBroad304 13244		BC061910	147804	LOC147804	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13245	ccsbBroad304 13245		BC034052	147906	DACT3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13246	Failed LR reaction		BC130490,BC130492	147920	IGFL2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13247	ccsbBroad304 13247		BC035331	148022	TICAM1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13248	ccsbBroad304 13248		BC044615	148103	ZNF599	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13249	ccsbBroad304 13249		BC126349	148345	C1orf127	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13250	ccsbBroad304 13250	454	BC028411	148898	C1orf213	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13251	ccsbBroad304 13251		BC101295	148930	KNCN	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13252	ccsbBroad304 13252	454	BC064844	149095	DCST1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13253	ccsbBroad304 13253		BC040720	149233	IL23R	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13254	ccsbBroad304 13254		BC020822	149628	PYHIN1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13255	ccsbBroad304 13255		BC029594	149685	ADIG	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13256	ccsbBroad304 13256		BC057387	149986	LSM14B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13257	ccsbBroad304 13257		BC054888	149986	LSM14B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13258	ccsbBroad304 13258		BC128198	150135	C21orf129	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13259	Failed LR reaction		BC022079	150159	NHEDC1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13260	ccsbBroad304 13260		BC045548	150165	XKR3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13261	ccsbBroad304 13261		BC105936	150244	ZDHHC8P1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13262	ccsbBroad304 13262		BC028724	150290	DUSP18	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13263	ccsbBroad304 13263		BC032248	150365	MEI1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13264	ccsbBroad304 13264		BC038241	150372	NFAM1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13265	ccsbBroad304 13265	454	BC044907	150709	ANKAR	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13266	ccsbBroad304 13266		BC106906	150864	FAM117B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13267	ccsbBroad304 13267		BC113052	151009	LOC151009	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13268	ccsbBroad304 13268		BC050345	151011	SEPT10	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13269	ccsbBroad304 13269		BC032837	151050	C2orf67	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn 13270	ccsbBroad304 13270		BC126155	151050	C2orf67	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13271	ccsbBroad304 13271		BC042674	151056	PLB1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13272	ccsbBroad304 13272		BC065041	151056	PLB1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13273	ccsbBroad304 13273		BC009462	151194	FAM119A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13274	ccsbBroad304 13274	454	BC067253	151195	CCNYL1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13275	ccsbBroad304 13275		BC048349	151246	SGOL2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13276	ccsbBroad304 13276		BC030243	151295	SLC23A3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13277	ccsbBroad304 13277		BC024243	151393	FAM82A1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13278	ccsbBroad304 13278		BC031997	151516	ASPRV1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13279	ccsbBroad304 13279	454	BC104885	151742	PPM1L	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13280	ccsbBroad304 13280		BC035735	151835	CPNE9	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13281	ccsbBroad304 13281		BC020830	151903	CCDC12	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13282	ccsbBroad304 13282	454	BC110889	151987	PPP4R2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13283	ccsbBroad304 13283	454	BC019036,BC039067	152002	C3orf21	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13284	ccsbBroad304 13284		BC015413	152015	ROPN1B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13285	ccsbBroad304 13285	454	BC045758	152110	NEK10	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13286	ccsbBroad304 13286		BC035364	152273	FGD5	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13287	ccsbBroad304 13287		BC026119	152330	CNTN4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13288	ccsbBroad304 13288		BC031256	152559	PAQR3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13289	ccsbBroad304 13289		BC035655	152992	C4orf23	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13290	ccsbBroad304 13290		BC121003	153020	RASGEF1B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13291	ccsbBroad304 13291	454	BC146762	153090	DAB2IP	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13292	ccsbBroad304 13292		BC062459	153579	BTNL9	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13293	ccsbBroad304 13293		BC034772	153643	FAM81B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13294	ccsbBroad304 13294		BC073914	153769	SH3RF2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13295	ccsbBroad304 13295		BC130294	154796	AMOT	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13296	Failed LR reaction		BC032838	154865	IQUB	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13297	ccsbBroad304 13297		BC131697	155006	TMEM213	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13298	ccsbBroad304 13298		BC015899	155066	ATP6V0E2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13299	ccsbBroad304 13299		BC064621	155382	VPS37D	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13300	ccsbBroad304 13300		BC011923	155435	RBM33	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13301	ccsbBroad304 13301		BC032396	157378	TMEM65	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13302	ccsbBroad304 13302		BC063108	157777	C8orf45	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13303	ccsbBroad304 13303	454	BC042877	157869	C8orf84	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13304	ccsbBroad304 13304		BC038592	158219	TTC39B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13305	Failed LR reaction		BC065738	158399	ZNF483	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13306	ccsbBroad304 13306		BC035604	158427	TSTD2	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn 13307	ccsbBroad304 13307		BC019095	158471	PRUNE2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13308	ccsbBroad304 13308		BC022571	158471	PRUNE2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13309	ccsbBroad304 13309		BC063790	158763	ARHGAP36	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13310	ccsbBroad304 13310		BC130633	159195	USP54	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13311	ccsbBroad304 13311	454	BC025788	159296	NKX2-3	no errors	hORFeome V8.1 Collection



ccsbBroadEn 13312	ccsbBroad304 13312	454	BC049207	159963	SLC5A12	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13313	ccsbBroad304 13313		BC050325	159989	CCDC67	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13314	ccsbBroad304 13314		BC107044	160065	PATE1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13315	ccsbBroad304 13315		BC014340	160287	LDHAL6A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13316	ccsbBroad304 13316		BC063424	160364	CLEC12A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13317	ccsbBroad304 13317		BC037957	160492	IFLTD1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13318	ccsbBroad304 13318	454	BC036697	160824	SP3P	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13319	ccsbBroad304 13319	454	BC137289	160857	CCDC122	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13320	ccsbBroad304 13320		BC033906	160897	GPR180	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13321	ccsbBroad304 13321		BC050401	161142	FAM71D	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13322	ccsbBroad304 13322		BC031567	161198	CLEC14A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13323	ccsbBroad304 13323	454	BC104836	161394	SAMD15	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13324	ccsbBroad304 13324	454	BC025332	161424	C14orf21	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13325	ccsbBroad304 13325		BC111713	162417	NAGS	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13326	ccsbBroad304 13326	454	BC104868	162514	TRPV3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13327	ccsbBroad304 13327	454	BC039345	162632	LOC162632	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13328	ccsbBroad304 13328		BC034810	162972	ZNF550	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13329	ccsbBroad304 13329		BC118657	162993	ZNF846	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13330	ccsbBroad304 13330		BC047412	163059	ZNF433	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13331	ccsbBroad304 13331	454	BC125068	163071	ZNF114	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13332	ccsbBroad304 13332		BC023278	163154	PRR22	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13333	ccsbBroad304 13333		BC052573	163183	C19orf46	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13334	ccsbBroad304 13334		BC063894	163259	DENND2C	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13335	ccsbBroad304 13335		BC130421	163479	FNDC7	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13336	ccsbBroad304 13336		BC022561	163486	DENND1B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13337	ccsbBroad304 13337		BC101026	163786	SASS6	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13338	ccsbBroad304 13338		BC132823	164045	HFM1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13339	ccsbBroad304 13339		BC104024	164395	TLL9	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13340	ccsbBroad304 13340		BC039082	164656	TMPRSS6	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13341	ccsbBroad304 13341		BC060872	165215	FAM171B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13342	ccsbBroad304 13342		BC139723	165530	CLEC4F	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13343	ccsbBroad304 13343	454	BC075018	165545	DQX1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13344	ccsbBroad304 13344		BC026009	166647	GPR125	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13345	ccsbBroad304 13345		BC016477	166793	ZBTB49	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13346	ccsbBroad304 13346		BC058835	166824	RASSF6	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13347	ccsbBroad304 13347		BC037547	166979	CDC20B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13348	ccsbBroad304 13348		BC064593	167227	DPC2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13349	ccsbBroad304 13349		BC111790	168002	DACT2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13350	ccsbBroad304 13350		BC031260	169166	SNX31	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13351	ccsbBroad304 13351		BC113828	169200	TMEM64	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13352	ccsbBroad304 13352		BC026190	169270	ZNF596	1 synonymous error	hORFeome V8.1 Collection
ccsbBroadEn 13353	ccsbBroad304 13353		BC113496,BC113498	169355	IDO2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13354	ccsbBroad304 13354		BC054001	169611	OLFML2A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13355	ccsbBroad304 13355		BC047702	169841	ZNF169	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13356	ccsbBroad304 13356		BC011947	169841	ZNF169	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13357	ccsbBroad304 13357		BC019228	169841	ZNF169	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13358	ccsbBroad304 13358		BC126440	170392	OIT3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13359	ccsbBroad304 13359		BC068574	170394	PWWP2B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13360	ccsbBroad304 13360		BC036035	170506	DHX36	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13361	ccsbBroad304 13361	454	BC104870	170679	PSORS1C1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13362	ccsbBroad304 13362		BC035923	170712	COX7B2	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13363	ccsbBroad304 13363		BC021701	171546	C14orf147	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13364	ccsbBroad304 13364	454	BC101615	191585	PLAC4	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13365	ccsbBroad304 13365		BC066888	192669	EIF2C3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13366	ccsbBroad304 13366	454	BC101268	196051	PPAPDC1A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13367	ccsbBroad304 13367		BC030997	196074	METT5D1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13368	ccsbBroad304 13368	454	BC037897	196394	AMN1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13369	ccsbBroad304 13369		BC015679	196441	ZFC3H1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13370	ccsbBroad304 13370		BC073843	196441	ZFC3H1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13371	ccsbBroad304 13371		BC021729	196549	EEF1DP3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13372	ccsbBroad304 13372	454	BC031343	196792	FAM24B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13373	ccsbBroad304 13373		BC048125	196951	C15orf33	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13374	ccsbBroad304 13374		BC032542	197258	FUK	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13375	ccsbBroad304 13375		BC125192	197320	ZNF778	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13376	ccsbBroad304 13376		BC065836	197335	WDR90	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13377	ccsbBroad304 13377		BC018938	197370	NSMCE1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13378	ccsbBroad304 13378		BC062621	199223	TTC21A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13379	ccsbBroad304 13379		BC026081	199704	ZNF585A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13380	ccsbBroad304 13380		BC007912	200014	CC2D1B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13381	ccsbBroad304 13381		BC101373	200150	PLD5	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13382	ccsbBroad304 13382		BC022028	200403	VWA3B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13383	ccsbBroad304 13383		BC101090	200909	HTR3D	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13384	ccsbBroad304 13384		BC029606	200931	OSTalpha	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13385	ccsbBroad304 13385		BC029267	200958	MUC20	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13386	ccsbBroad304 13386		BC131805	201134	CCDC46	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13387	ccsbBroad304 13387		BC080613	201181	ZNF385C	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13388	ccsbBroad304 13388		BC009571	201254	STRA13	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13389	ccsbBroad304 13389		BC013181	201292	TRIM65	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13390	ccsbBroad304 13390		BC023646	201305	SPNS3	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13391	ccsbBroad304 13391		BC015880	201595	STT3B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13392	ccsbBroad304 13392		BC050563	202051	SPATA24	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13393	ccsbBroad304 13393		BC028606	202134	FAM153B	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13394	ccsbBroad304 13394	454	BC093643	202299	C5orf27	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13395	ccsbBroad304 13395		BC026694	202915	TMEM184A	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13396	ccsbBroad304 13396		BC031570	203054	ADCK5	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13397	Failed LR reaction		BC126343	203062	TSNARE1	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13398	ccsbBroad304 13398		BC062532	203068	TUBB	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13399	ccsbBroad304 13399		BC107134	203197	C9orf91	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13400	ccsbBroad304 13400		BC064367	203286	ANKS6	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13401	ccsbBroad304 13401		BC029575	203562	TMEM31	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13402	ccsbBroad304 13402		BC036456	205327	C2orf69	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13403	ccsbBroad304 13403		BC101211	219293	ATAD3C	no errors	hORFeome V8.1 Collection
ccsbBroadEn 13404	ccsbBroad304 13404	454	BC042872	219623	TMEM26	no errors	hORFeome V8.1 Collection



ccsbBroadEn 13405	ccsbBroad304 13405		BC063627	219736	STOX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13406	ccsbBroad304 13406		BC036038	219749	ZNF25	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13407	ccsbBroad304 13407		BC015047	219844	HYLS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13408	ccsbBroad304 13408		BC062990	219855	SLC37A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13409	ccsbBroad304 13409		BC065264,BC109038	219988	PATL1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13410	ccsbBroad304 13410		BC040280	220047	CCDC83	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13411	ccsbBroad304 13411		BC027609	220082	SPERT	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13412	ccsbBroad304 13412		BC051771	220108	FAM124A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13413	ccsbBroad304 13413		BC030606	220136	CCDC11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13414	ccsbBroad304 13414		BC008583,BC019045	220164	DOK6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13415	ccsbBroad304 13415		BC067803	220869	CBWD5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13416	ccsbBroad304 13416		BC014161	220992	ZNF485	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13417	ccsbBroad304 13417	454	BC014161	220992	ZNF485	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13418	ccsbBroad304 13418		BC022548	221002	RASGEF1A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13419	ccsbBroad304 13419		BC018068	221044	UCMA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13420	ccsbBroad304 13420		BC067257	221120	ALKBH3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13421	ccsbBroad304 13421		BC107113	221262	CCDC162	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13422	ccsbBroad304 13422	454	BC107114	221264	AKD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13423	ccsbBroad304 13423		BC015138	221294	NT5DC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13424	ccsbBroad304 13424	454	BC022988	221336	BEND6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13425	ccsbBroad304 13425		BC022074	221458	KIF6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13426	ccsbBroad304 13426		BC117307	221458	KIF6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13427	ccsbBroad304 13427		BC029657	221468	TMEM217	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13428	ccsbBroad304 13428		BC062363	221472	FGD2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13429	ccsbBroad304 13429		BC016167	221545	C6orf136	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13430	ccsbBroad304 13430	454	BC014574	221830	TWISTNB	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13431	ccsbBroad304 13431		BC028404	222008	VSTM2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13432	ccsbBroad304 13432		BC059402	222194	RBSN1L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13433	ccsbBroad304 13433		BC117309	222223	KIAA1324L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13434	ccsbBroad304 13434		BC029175	222234	FAM185A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13435	ccsbBroad304 13435		BC031285	222235	FBXL13	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13436	ccsbBroad304 13436		BC003517	222255	ATXN7L1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13437	ccsbBroad304 13437		BC031618	222389	BEND7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13438	ccsbBroad304 13438		BC031105,BC107049	222659	PXT1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13439	ccsbBroad304 13439		BC101135	222894	FERD3L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13440	ccsbBroad304 13440		BC025325	222962	SLC29A4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13441	ccsbBroad304 13441		BC034495	222967	RSPH10B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13442	ccsbBroad304 13442		BC028034	225689	MAPK15	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13443	ccsbBroad304 13443	454	BC110817	246126	CYorf15A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13444	ccsbBroad304 13444	454	BC035351	246181	AKR7L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13445	ccsbBroad304 13445		BC008069	246329	STAC3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13446	ccsbBroad304 13446		BC021256	246330	PELI3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13447	ccsbBroad304 13447		BC125116	252983	STXBP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13448	ccsbBroad304 13448		BC040859	253143	C22orf30	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13449	ccsbBroad304 13449		BC029608	253260	RICTOR	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13450	ccsbBroad304 13450		BC008901	253461	ZBTB38	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13451	ccsbBroad304 13451		BC071798	253635	CCDC75	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13452	ccsbBroad304 13452		BC131633	253769	WDR27	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13453	ccsbBroad304 13453		BC109285	253782	LASS6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13454	ccsbBroad304 13454		BC110517	253832	ZDHHC20	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13455	ccsbBroad304 13455		BC104023	254187	TSGA10IP	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13456	ccsbBroad304 13456		BC131582	254240	BPIL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13457	ccsbBroad304 13457		BC030647	254268	AKNAD1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13458	ccsbBroad304 13458		BC017269	254427	C10orf47	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13459	Failed LR reaction		BC029829	254528	C16orf73	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13460	ccsbBroad304 13460		BC057243	254827	NAALADL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13461	ccsbBroad304 13461		BC035230	254887	ZDHHC23	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13462	ccsbBroad304 13462		BC005043,BC021569	254896	LOC254896	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13463	ccsbBroad304 13463		BC104171	255025	LOC255025	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13464	ccsbBroad304 13464		BC111858	255061	TAC4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13465	ccsbBroad304 13465		BC131692	255180	FLJ38723	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13466	ccsbBroad304 13466		BC029585	255193	C19orf34	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13467	ccsbBroad304 13467		BC044661	255352	C10orf93	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13468	ccsbBroad304 13468	454	BC031288	255374	MBLAC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13469	ccsbBroad304 13469		BC052600	255403	ZNF718	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13470	ccsbBroad304 13470		BC057759	255426	RASGEF1C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13471	ccsbBroad304 13471		BC063311	255488	RNF144B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13472	ccsbBroad304 13472	454	BC066238	255626	HIST1H2BA	no errors	hORFeome V8.1 Collection	255626	HIST1H2BA	NM 170610.2	Full Length 99-100% match
ccsbBroadEn 13473	ccsbBroad304 13473	454	BC128179	255967	PAN3	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn 13474	ccsbBroad304 13474		BC030104	256130	TMEM196	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13475	ccsbBroad304 13475		BC033286	256380	SCML4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13476	ccsbBroad304 13476		BC015417	256691	MAMDC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13477	ccsbBroad304 13477		BC026189	256979	SUN3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13478	ccsbBroad304 13478		BC041376	257019	FRMD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13479	ccsbBroad304 13479		BC031233	257062	TMEM146	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13480	ccsbBroad304 13480		BC043005	257062	TMEM146	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13481	ccsbBroad304 13481		BC064581	257160	RNF214	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13482	ccsbBroad304 13482		BC036771	257194	NEGR1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13483	Failed LR reaction		BC066653	257203	DSCR9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13484	ccsbBroad304 13484	454	BC111994	257358	LOC257358	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13485	ccsbBroad304 13485		BC028390	259232	NALCN	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn 13486	ccsbBroad304 13486		BC064343	259232	NALCN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13487	ccsbBroad304 13487		BC126258,BC126260	259236	TMIE	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13488	ccsbBroad304 13488		BC034607	259266	ASPM	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn 13489	ccsbBroad304 13489		BC040520	261734	NPHP4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13490	ccsbBroad304 13490		BC113541,BC113543	266553	OFCC1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13491	ccsbBroad304 13491		BC101108	266747	RGL4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13492	ccsbBroad304 13492		BC015792	282974	STK32C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13493	ccsbBroad304 13493		BC033839	283080	C10orf126	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13494	ccsbBroad304 13494		BC113597	283165	NCRNA00288	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13495	ccsbBroad304 13495		BC113593	283165	NCRNA00288	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13496	ccsbBroad304 13496		BC008671	283232	TMEM80	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn 13497	ccsbBroad304 13497		BC101016	283310	C12orf64	no errors	hORFeome V8.1 Collection				



ccsbBroadEn 13498	ccsbBroad304 13498		BC100952	283349	RASSF3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13499	ccsbBroad304 13499		BC127603	283455	KSR2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13500	ccsbBroad304 13500		BC048120	283461	C12orf40	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13501	ccsbBroad304 13501		BC128083	283551	C14orf182	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13502	ccsbBroad304 13502		BC111088	283629	TSSK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13503	ccsbBroad304 13503		BC047913	283638	KIAA0284	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13504	ccsbBroad304 13504		BC016028	283643	C14orf80	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13505	ccsbBroad304 13505		BC129820	283685	GOLGA6L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13506	ccsbBroad304 13506		BC034571	283748	PLA2G4D	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13507	ccsbBroad304 13507	454	BC017921	283788	LOC283788	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13508	ccsbBroad304 13508		BC039068	283971	CLEC18C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13509	ccsbBroad304 13509		BC101214	283982	C17orf54	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13510	ccsbBroad304 13510		BC130406	284021	C17orf60	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13511	ccsbBroad304 13511		BC029542	284040	CDRT4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13512	ccsbBroad304 13512		BC006271	284058	KIAA1267	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13513	ccsbBroad304 13513		BC030200	284069	FAM171A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13514	ccsbBroad304 13514		BC132822	284071	C17orf104	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13515	ccsbBroad304 13515	454	BC035159	284071	C17orf104	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn 13516	ccsbBroad304 13516		BC033563	284076	TLL6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13517	ccsbBroad304 13517		BC132826	284100	LOC284100	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13518	ccsbBroad304 13518		BC031617	284123	FAM27L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13519	ccsbBroad304 13519		BC035900	284129	SLC26A11	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13520	ccsbBroad304 13520		BC130538,BC130540	284297	SSC5D	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13521	ccsbBroad304 13521	454	BC103957	284307	ZIK1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13522	ccsbBroad304 13522	454	BC136752	284309	ZNF776	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13523	ccsbBroad304 13523		BC048099	284312	ZSCAN1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13524	ccsbBroad304 13524	454	BC090894	284325	C19orf54	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13525	ccsbBroad304 13525		BC063021	284338	PRR19	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13526	ccsbBroad304 13526		BC057816	284348	LYPD5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13527	ccsbBroad304 13527	454	BC141863	284355	TPRX1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13528	ccsbBroad304 13528		BC100942	284415	VSTM1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13529	ccsbBroad304 13529		BC031671	284427	SLC25A41	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13530	ccsbBroad304 13530	454	BC104468	284451	ODF3L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13531	ccsbBroad304 13531	454	BC142607	284541	CYP4A22	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13532	ccsbBroad304 13532		BC127898	284611	FAM102B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13533	ccsbBroad304 13533		BC113103	284612	SYPL2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13534	ccsbBroad304 13534		BC131614	284618	C1orf104	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13535	ccsbBroad304 13535		BC039737	284716	RIMKLA	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13536	ccsbBroad304 13536		BC062743	284802	FRG1B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13537	ccsbBroad304 13537		BC001801	284912	LOC284912	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13538	ccsbBroad304 13538		BC019348	284942	RPL23AP82	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13539	ccsbBroad304 13539		BC062449	284992	CCDC150	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13540	ccsbBroad304 13540		BC115378	285025	CCDC141	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13541	ccsbBroad304 13541		BC111723	285150	FLJ33534	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13542	ccsbBroad304 13542		BC113712	285180	RUFY4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13543	ccsbBroad304 13543		BC104179	285194	NCRNA00295	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13544	ccsbBroad304 13544	454	BC101303	285231	FBXW12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13545	ccsbBroad304 13545		BC101185	285242	HTR3E	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13546	ccsbBroad304 13546		BC117169	285267	ZNF619	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13547	ccsbBroad304 13547		BC132827	285331	CCDC66	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13548	ccsbBroad304 13548	454	BC047509	285331	CCDC66	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13549	ccsbBroad304 13549		BC032135	285367	RPUSD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13550	ccsbBroad304 13550		BC065741	285367	RPUSD3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13551	ccsbBroad304 13551	454	BC036250	285498	RNF212	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13552	ccsbBroad304 13552		BC103996	285525	YIPF7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13553	ccsbBroad304 13553		BC021803	285527	FRYL	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13554	ccsbBroad304 13554		BC131721	285636	C5orf51	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13555	ccsbBroad304 13555	454	BC112008	285668	FLJ37543	no errors	hORFeome V8.1 Collection	285668	FLJ37543	NM_173667.2	Full Length 99-100% match
ccsbBroadEn 13556	ccsbBroad304 13556	454	BC108716	285672	SREK11P1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13557	ccsbBroad304 13557		BC130442,BC130444	285679	C5orf60	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13558	ccsbBroad304 13558	454	BC093657	285908	NCRNA00174	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13559	ccsbBroad304 13559		BC128587	285973	ATG9B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13560	ccsbBroad304 13560		BC113049	285987	DLX6-AS1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13561	ccsbBroad304 13561		BC024146	286046	XKR6	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13562	ccsbBroad304 13562		BC073830	286122	C8orf31	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13563	ccsbBroad304 13563	454	BC033153	286133	SCARA5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13564	ccsbBroad304 13564		BC104255	286144	C8orf83	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13565	ccsbBroad304 13565	454	BC041168	286256	LCN12	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13566	ccsbBroad304 13566	454	BC111500	286262	TPRN	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13567	ccsbBroad304 13567		BC049388	286336	FAM78A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13568	ccsbBroad304 13568		BC036923	286343	C9orf150	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13569	ccsbBroad304 13569		BC028039	286527	TMSB15B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13570	ccsbBroad304 13570	454	BC142615	286753	TUSC5	no errors	hORFeome V8.1 Collection	286753	TUSC5	NM_172367.2	Full Length 99-100% match
ccsbBroadEn 13571	ccsbBroad304 13571		BC015394	317662	FAM149B1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13572	ccsbBroad304 13572		BC107074	317702	VN1R3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13573	ccsbBroad304 13573		BC000663	317749	DHRS4L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13574	ccsbBroad304 13574		BC031990	317762	CCDC85C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13575	ccsbBroad304 13575		BC109212	319101	KRT73	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13576	ccsbBroad304 13576		BC072674	337867	UBAC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13577	ccsbBroad304 13577		BC121139	337867	UBAC2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13578	ccsbBroad304 13578	454	BC101686	337979	KRTAP22-1	no errors	hORFeome V8.1 Collection	337979	KRTAP22-1	NM_181620.1	Full Length 99-100% match
ccsbBroadEn 13579	ccsbBroad304 13579		BC007382	338382	RAB7B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13580	ccsbBroad304 13580	454	BC045621	338699	ANKRD42	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13581	ccsbBroad304 13581	454	BC028403	338811	FAM19A2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13582	ccsbBroad304 13582		BC113042	338862	LOC338862	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13583	ccsbBroad304 13583		BC107110	339168	TMEM95	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13584	ccsbBroad304 13584		BC006985	339175	METTL2A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13585	ccsbBroad304 13585		BC093905,BC093907	339210	C17orf67	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13586	ccsbBroad304 13586		BC045768	339451	KLHL17	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13587	ccsbBroad304 13587	454	BC040856	339476	C1orf99	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13588	ccsbBroad304 13588		BC058843	339487	ZBTB80S	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13589	ccsbBroad304 13589		BC007286	339500	ZNF678	no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13590	ccsbBroad304 13590		BC026115	339541	C1orf228	no errors	hORFeome V8.1 Collection				



ccsbBroadEn 13591	ccsbBroad304 13591		BC036202	339834	CCDC36	1 synonymous error	hORFeome V8.1 Collection			
ccsbBroadEn 13592	ccsbBroad304 13592	454	BC111986	339896	GADL1	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13593	ccsbBroad304 13593		BC035224	339965	CCDC158	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13594	ccsbBroad304 13594	454	BC103748	339983	NAT8L	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13595	ccsbBroad304 13595	454	BC127762	340152	ZC3H12D	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13596	ccsbBroad304 13596		BC043153	340307	CTAGE6P	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13597	ccsbBroad304 13597		BC030651	340351	AGBL3	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13598	ccsbBroad304 13598		BC113873	340371	NRBP2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13599	ccsbBroad304 13599	454	BC092487	340485	ACER2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13600	ccsbBroad304 13600	454	BC136756	340527	NHSL2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13601	ccsbBroad304 13601	454	BC140767	340554	ZC3H12B	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13602	ccsbBroad304 13602		BC100786	340596	LHFPL1	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13603	ccsbBroad304 13603		BC128588	340706	VWA2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13604	ccsbBroad304 13604		BC103692	342184	FMN1	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13605	ccsbBroad304 13605		BC109231	342667	STAC2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13606	ccsbBroad304 13606	454	BC103948	343450	KCNT2	1 synonymous error	hORFeome V8.1 Collection			
ccsbBroadEn 13607	ccsbBroad304 13607		BC117322	344805	TMPRSS7	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13608	ccsbBroad304 13608		BC104037	345193	LRIT3	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13609	ccsbBroad304 13609		BC128168	345611	IRGM	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13610	ccsbBroad304 13610		BC100954	346606	MOGAT3	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13611	ccsbBroad304 13611		BC110502	347240	KIF24	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13612	ccsbBroad304 13612	454	BC157859	347442	DCAF8L2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13613	ccsbBroad304 13613		BC017085	347735	SERINC2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13614	ccsbBroad304 13614		BC126283,BC126285	347735	SERINC2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13615	ccsbBroad304 13615	454	BC110868	347862	PDDC1	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13616	ccsbBroad304 13616		BC066974	347918	EP400NL	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13617	ccsbBroad304 13617		BC032242	348035	MGC40069	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13618	ccsbBroad304 13618		BC101273	348094	ANKDD1A	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13619	ccsbBroad304 13619		BC111795	348262	FAM195B	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13620	ccsbBroad304 13620		BC118575	348645	C22orf34	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13621	ccsbBroad304 13621		BC101366	348807	CCDC37	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13622	ccsbBroad304 13622		BC107125	349136	WDR86	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13623	ccsbBroad304 13623	454	BC044886	352954	GATS	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13624	ccsbBroad304 13624		BC062712	352999	C6orf58	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13625	ccsbBroad304 13625		BC032598	374354	NHLRC2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13626	ccsbBroad304 13626		BC019340	374408	MGC12965	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13627	ccsbBroad304 13627	454	BC104044	374654	KIF7	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13628	ccsbBroad304 13628		BC048328	374666	WASH3P	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13629	ccsbBroad304 13629	454	BC029824,BC034779	374877	C19orf45	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13630	ccsbBroad304 13630	454	BC107131	374899	ZNF829	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13631	ccsbBroad304 13631	454	BC022380	375010	LOC375010	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13632	ccsbBroad304 13632		BC047116	375056	MIA3	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13633	ccsbBroad304 13633		BC020225	375133	PI4KAP2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13634	ccsbBroad304 13634		BC046186	375248	ANKRD36	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13635	ccsbBroad304 13635		BC128517	375248	ANKRD36	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13636	ccsbBroad304 13636		BC113964	375323	LHFPL4	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13637	ccsbBroad304 13637		BC100832	375611	SLC26A5	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13638	ccsbBroad304 13638		BC106893	376132	LRRC10	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13639	ccsbBroad304 13639		BC033871	378108	TRIM74	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13640	ccsbBroad304 13640		BC120959	386677	KRTAP10-1	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13641	ccsbBroad304 13641		BC133677	386682	KRTAP10-3	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13642	ccsbBroad304 13642		BC067351	387036	GUSBL1	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13643	ccsbBroad304 13643	454	BC040665	387790	LOC387790	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13644	ccsbBroad304 13644		BC045812,CCSB53208	387882	C12orf75	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13645	ccsbBroad304 13645	454	BC140940	388468	POTEC	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13646	ccsbBroad304 13646		BC017109	388558	ZNF808	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13647	ccsbBroad304 13647		BC127707	388595	TMEM82	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13648	ccsbBroad304 13648		BC070342	388650	FAM69A	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13649	ccsbBroad304 13649		BC014951	388799	C20orf107	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13650	ccsbBroad304 13650		BC128085	389114	ZNF662	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13651	ccsbBroad304 13651		BC132756	389118	CDHR4	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13652	ccsbBroad304 13652		BC012170	389119	C3orf54	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13653	ccsbBroad304 13653	454	BC157886	389158	PLSCR5	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13654	Failed LR reaction		BC021680	389336	C5orf46	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13655	ccsbBroad304 13655	454	BC039677	389376	SFTA2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13656	ccsbBroad304 13656	454	BC068610	389517	SPDYE8P	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13657	ccsbBroad304 13657	454	BC139744	389649	C8orf86	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13658	ccsbBroad304 13658		BC039260	389677	RBM12B	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13659	ccsbBroad304 13659		BC027338	389741	MGC21881	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13660	ccsbBroad304 13660		BC070322	389756	AQP7P2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13661	ccsbBroad304 13661	454	BC108665	389766	C9orf153	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13662	ccsbBroad304 13662		BC118593	389799	C9orf171	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13663	ccsbBroad304 13663	454	BC035124	389812	LCN15	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13664	ccsbBroad304 13664	454	BC043199	391267	C21orf81	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13665	ccsbBroad304 13665		BC031945	394261	C2orf19	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13666	ccsbBroad304 13666		BC101330	399512	SLC25A35	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13667	ccsbBroad304 13667		BC046449	399669	ZNF321	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13668	ccsbBroad304 13668		BC026167	399818	METTL10	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13669	ccsbBroad304 13669		BC125145	400206	STELLAR	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13670	ccsbBroad304 13670		BC132839,BC132841	400707	LOC400707	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13671	ccsbBroad304 13671		BC017399	401152	C4orf3	1 synonymous error	hORFeome V8.1 Collection			
ccsbBroadEn 13672	ccsbBroad304 13672	454	BC132994	401250	MCCD1	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13673	ccsbBroad304 13673		BC032347	401466	C8orf59	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13674	ccsbBroad304 13674		BC038108	403313	PPAPDC2	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13675	ccsbBroad304 13675		BC003519	404033	FLJ34077	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13676	ccsbBroad304 13676		BC101195	404201	NCRNA00247	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13677	ccsbBroad304 13677	454	BC062702	404217	CTXN1	1 synonymous error	hORFeome V8.1 Collection			
ccsbBroadEn 13678	ccsbBroad304 13678		BC066986	404220	C6orf201	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13679	ccsbBroad304 13679		BC009078	404550	C16orf74	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13680	ccsbBroad304 13680		BC006531	408050	NOMO3	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13681	ccsbBroad304 13681		BC033670	414060	TBC1D3C	no errors	hORFeome V8.1 Collection			
ccsbBroadEn 13682	ccsbBroad304 13682		CCSB53360	414328	C9orf103	1 synonymous error	hORFeome V8.1 Collection			
ccsbBroadEn 13683	ccsbBroad304 13683		BC034822	414927	MGC34796	no errors	hORFeome V8.1 Collection			



ccsbBroadEn_13684	ccsbBroad304_13684			BC030111	439933	MGC42157	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13685	ccsbBroad304_13685	454		BC137357	439941	C8orf54	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13686	ccsbBroad304_13686	454		BC035034	440026	TMEM41B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13687	ccsbBroad304_13687			BC035914	440193	CCDC88C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13688	ccsbBroad304_13688			BC132807	440200	FLJ41170	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13689	ccsbBroad304_13689			BC078179	440275	EIF2AK4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13690	ccsbBroad304_13690	454		BC041854	440295	GOLGA6L9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13691	ccsbBroad304_13691	454		BC073145	440387	CTRB2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13692	ccsbBroad304_13692			BC058890	440452	TBC1D3P2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13693	Failed LR reaction			BC127276	440482	ANKRD20A5	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13694	ccsbBroad304_13694			BC032771	441024	MTHFD2L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13695	ccsbBroad304_13695			BC065771	441024	MTHFD2L	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13696	ccsbBroad304_13696	454		BC111990	441178	LOC441178	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13697	ccsbBroad304_13697			BC066990	441242	LOC441242	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13698	ccsbBroad304_13698			BC100974	441251	SPDYE7P	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13699	ccsbBroad304_13699			BC100973	441273	SPDYE2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13700	ccsbBroad304_13700	454		BC140809	441425	ANKRD20A3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13701	ccsbBroad304_13701			BC132726	441476	C9orf173	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13702	ccsbBroad304_13702	454		BC033939	441476	C9orf173	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13703	ccsbBroad304_13703	454		BC031277	442523	DPY19L2P4	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13704	ccsbBroad304_13704			BC002581	442582	STAG3L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13705	ccsbBroad304_13705			BC017422	492311	C5orf53	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13706	ccsbBroad304_13706			BC033211	493829	TRIM72	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13707	ccsbBroad304_13707			BC014228	494150	LOC494150	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13708	ccsbBroad304_13708			BC070189	541473	LOC541473	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13709	ccsbBroad304_13709			BC012750	541565	C8orf58	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13710	ccsbBroad304_13710			BC062756	552900	BOLA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13711	ccsbBroad304_13711			BC130401,BC130403	552900	BOLA2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13712	ccsbBroad304_13712			BC132755,BC132757	553158	PRR5-ARHGAP8	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13713	ccsbBroad304_13713			BC031469	554207	LOC554207	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13714	ccsbBroad304_13714			BC051362	554223	LOC554223	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13715	ccsbBroad304_13715			BC068238	554223	LOC554223	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13716	ccsbBroad304_13716			BC066987	554236	DPY19L2P1	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13717	ccsbBroad304_13717	454		BC132992	574406	C1orf138	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13718	ccsbBroad304_13718			BC022082	619343	C8orf68	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13719	ccsbBroad304_13719			BC127725	642204	LOC642204	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_13720	ccsbBroad304_13720			BC130654	642947	LOC642947	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13721	ccsbBroad304_13721			BC031676	643406	LOC643406	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_13722	ccsbBroad304_13722			BC072682	644068	RPS14P3	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13723	ccsbBroad304_13723			BC111554	644619	INTS4L2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13724	ccsbBroad304_13724			BC004487	644903	FLJ38668	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13725	ccsbBroad304_13725	454		BC014600	645339	SNRPD2P2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13726	ccsbBroad304_13726	454		BC071678	645958	RPS18P9	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13727	ccsbBroad304_13727	454		BC107769	646358	LOC646358	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13728	ccsbBroad304_13728			BC018064	646470	LOC646470	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13729	ccsbBroad304_13729			BC060042	649946	RPL23AP64	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13730	ccsbBroad304_13730	454		BC107850	652203	LOC652203	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13731	ccsbBroad304_13731	454		BC031236	652972	C9orf29	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13732	ccsbBroad304_13732			BC131737	653316	FAM153C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13733	ccsbBroad304_13733			BC067830	653391	LOC653391	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13734	ccsbBroad304_13734	454		BC058833	653423	SPAG11A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13735	ccsbBroad304_13735	454		BC046199	653820	FAM72B	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13736	ccsbBroad304_13736	454		BC127733	727936	GXYLT2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13737	ccsbBroad304_13737			BC053551	727956	SDHAP2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13738	ccsbBroad304_13738	454		BC157880	728138	LOC728138	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13739	ccsbBroad304_13739			BC044242	728194	RSPH10B2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13740	ccsbBroad304_13740			BC031817	728294	D2HGDH	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13741	ccsbBroad304_13741			BC016965	728392	LOC728392	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13742	ccsbBroad304_13742	454		BC110905	728642	CDK11A	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13743	ccsbBroad304_13743	454		BC157836	728741	LOC728741	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13744	ccsbBroad304_13744			BC121074	729862	LOC729862	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13745	ccsbBroad304_13745	454		BC112197	729956	SHISA7	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13746	ccsbBroad304_13746	454		BC046415	730087	ZNF726	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_13747	ccsbBroad304_13747			BC027604	730094	C16orf52	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13748	ccsbBroad304_13748			BC130587,BC130589	100101267	POM121C	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13749	ccsbBroad304_13749			BC051366	100128510	LOC100128510	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13750	ccsbBroad304_13750	454		BC118583	100128554	LOC100128554	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13751	ccsbBroad304_13751			BC032236	100131755	ARMCX4	1 synonymous error	hORFeome V8.1 Collection				
ccsbBroadEn_13752	ccsbBroad304_13752			BC126340	100132147	LOC100132147	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13753	ccsbBroad304_13753			BC006438	100132167	LOC100132167	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13754	ccsbBroad304_13754			BC108917	100132285	KIR2DS2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13755	ccsbBroad304_13755			BC134343	100144596	NCRNA00029	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13756	ccsbBroad304_13756	454		BC148261	100289124	FAM27E2	no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13757	ccsbBroad304_13757						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13758	ccsbBroad304_13758						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13759	ccsbBroad304_13759						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13760	ccsbBroad304_13760						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13761	ccsbBroad304_13761						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13762	ccsbBroad304_13762						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13763	ccsbBroad304_13763						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13764	ccsbBroad304_13764						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13765	ccsbBroad304_13765						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13766	ccsbBroad304_13766						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13767	ccsbBroad304_13767						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13768	ccsbBroad304_13768						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13769	ccsbBroad304_13769						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13770	ccsbBroad304_13770						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13771	ccsbBroad304_13771						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13772	ccsbBroad304_13772						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13773	ccsbBroad304_13773						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13774	ccsbBroad304_13774						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13775	ccsbBroad304_13775						no errors	hORFeome V8.1 Collection				
ccsbBroadEn_13776	ccsbBroad304_13776						no errors	hORFeome V8.1 Collection				



ccsbBroadEn 13777	ccsbBroad304 13777						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13778	ccsbBroad304 13778						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13779	ccsbBroad304 13779						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13780	ccsbBroad304 13780						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13781	ccsbBroad304 13781						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13782	ccsbBroad304 13782						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13783	ccsbBroad304 13783						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13784	ccsbBroad304 13784						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13785	ccsbBroad304 13785						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13786	ccsbBroad304 13786						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13787	ccsbBroad304 13787						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13788	ccsbBroad304 13788						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13789	ccsbBroad304 13789						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13790	ccsbBroad304 13790						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13791	ccsbBroad304 13791						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13792	ccsbBroad304 13792						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13793	ccsbBroad304 13793						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13794	ccsbBroad304 13794						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13795	ccsbBroad304 13795						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13796	ccsbBroad304 13796						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13797	ccsbBroad304 13797						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13798	ccsbBroad304 13798						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13799	ccsbBroad304 13799						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13800	ccsbBroad304 13800						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13801	ccsbBroad304 13801						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13802	ccsbBroad304 13802						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13803	ccsbBroad304 13803						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13804	ccsbBroad304 13804						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13805	ccsbBroad304 13805						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13806	ccsbBroad304 13806						no errors	hORFeome V8.1 Collection				
ccsbBroadEn 13807	ccsbBroad304 13807				BC012597	58	ACTA1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13808	ccsbBroad304 13808				BC000292,BC015779	71	ACTG1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13809	ccsbBroad304 13809				BC013393	118	ADD1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13810	ccsbBroad304 13810				BC114924	191	AHCY	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13811	ccsbBroad304 13811				BC002553	221	ALDH3B1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13812	ccsbBroad304 13812				BC063647	247	ALOX15B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13813	ccsbBroad304 13813				BC007514	369	ARAF	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13814	ccsbBroad304 13814				CCSB53302	394	ARHGAP5	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13815	ccsbBroad304 13815				BC012096	407	ARR3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13816	ccsbBroad304 13816				BC057801	430	ASCL2	>4 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13817	ccsbBroad304 13817				BC130009	492	ATP2B3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13818	ccsbBroad304 13818	454			BC001690,BC105811	514	ATP5E	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13819	ccsbBroad304 13819				BC031054	734	OSGIN2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13820	ccsbBroad304 13820				BC031300	755	C21orf2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13821	ccsbBroad304 13821				BC007965	801	CALM1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13822	ccsbBroad304 13822				BC006182	808	CALM3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13823	ccsbBroad304 13823				BC022289	844	CASQ1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13824	ccsbBroad304 13824				BC069368	859	CAV3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13825	ccsbBroad304 13825				BC020966	957	ENTPD5	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13826	Failed LR reaction				BC010016,BC037306	961	CD47	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13827	ccsbBroad304 13827				BC014462	1001	CDH3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13828	ccsbBroad304 13828				BC031993	1041	CDSN	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13829	ccsbBroad304 13829				BC012418	1066	CES1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13830	ccsbBroad304 13830				BC010460	1112	FOXN3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13831	ccsbBroad304 13831				BC007462	1158	CKM	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13832	ccsbBroad304 13832				BC003561	1174	AP1S1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13833	ccsbBroad304 13833				BC007061,BC017897	1208	CLPS	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13834	ccsbBroad304 13834	454			BC069067	1237	CCR8	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13835	ccsbBroad304 13835				BC004545	1241	LTB4R	>4 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13836	ccsbBroad304 13836	454			BC101826	1347	COX7A2	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13837	ccsbBroad304 13837				BC001109	1382	CRABP2	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13838	ccsbBroad304 13838				BC009792,BC059948	1479	CSTF3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13839	ccsbBroad304 13839				BC012049	1545	CYP1B1	>4 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13840	ccsbBroad304 13840				BC109056	1572	CYP2F1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13841	ccsbBroad304 13841				BC022851	1579	CYP4A11	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13842	ccsbBroad304 13842				BC021219	1602	DACH1	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13843	ccsbBroad304 13843	454			BC011686,BC051764	1642	DDB1	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13844	ccsbBroad304 13844	454			BC074882	1734	DIO2	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13845	ccsbBroad304 13845				BC039084	1737	DLAT	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13846	ccsbBroad304 13846				BC003099	1801	DPH1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13847	ccsbBroad304 13847				BC035701	1845	DUSP3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13848	ccsbBroad304 13848	454			BC094761	1956	EGFR	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13849	ccsbBroad304 13849				BC019906	1968	EIF2S3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13850	ccsbBroad304 13850				BC012547	1974	EIF4A2	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13851	ccsbBroad304 13851				BC048105	1974	EIF4A2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13852	ccsbBroad304 13852				BC003569	1999	ELF3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13853	ccsbBroad304 13853				BC040259	2036	EPB41L1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13854	ccsbBroad304 13854				BC052805	2039	EPB49	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13855	ccsbBroad304 13855				BC016981	2043	EPHA4	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13856	ccsbBroad304 13856	454			BC054006	2060	EPS15	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13857	ccsbBroad304 13857	454			BC074858	2250	FGF5	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13858	ccsbBroad304 13858				BC119732	2280	FKBP1A	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13859	ccsbBroad304 13859				BC001899	2524	FUT2	2 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13860	ccsbBroad304 13860				BC029828	2583	B4GALNT1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13861	ccsbBroad304 13861				BC015920	2784	GNB3	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13862	ccsbBroad304 13862				BC014466,BC053630	2788	GNG7	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13863	ccsbBroad304 13863				BC039263	2894	GRID1	1 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13864	ccsbBroad304 13864				BC063814	2898	GRIK2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13865	ccsbBroad304 13865	454			BC009503	2935	GSPT1	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13866	Failed LR reaction				BC015513	2948	GSTM4	4 non-synonomous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13867	ccsbBroad304 13867				BC004472	2969	GTF2I	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13868	ccsbBroad304 13868				BC000033	2992	GYG1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 13869	ccsbBroad304 13869				BC003069	3105	HLA-A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			



ccsbBroadEn	13870	ccsbBroad304	13870		BC020226	3112	HLA-DOB	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13871	ccsbBroad304	13871		BC007052	3183	HNRNPC	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13872	ccsbBroad304	13872		BC130343,CCSB53339	3188	HNRNP2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13873	ccsbBroad304	13873	454	BC096191	3211	HOXB1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13874	ccsbBroad304	13874	454	BC044855	3235	HOXD9	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13875	ccsbBroad304	13875		BC009393	3268	AGFG2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13876	ccsbBroad304	13876		BC109282	3276	PRMT1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13877	ccsbBroad304	13877		BC031999	3283	HSD3B1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13878	ccsbBroad304	13878		BC012888	3340	NDST1	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13879	ccsbBroad304	13879	454	BC151843	3371	TNC	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13880	ccsbBroad304	13880		BC000933	3421	IDH3G	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13881	ccsbBroad304	13881		BC019059	3431	SP110	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13882	ccsbBroad304	13882		BC063384	3495	IGHD	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13883	ccsbBroad304	13883		BC006402	3500	IGHG1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13884	ccsbBroad304	13884		BC002963	3507	IGHM	Ambiguous base call	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13885	ccsbBroad304	13885		BC019235	3507	IGHM	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13886	ccsbBroad304	13886		BC025707	3779	KCNMB1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13887	ccsbBroad304	13887	454	BC110287	3800	KIF5C	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13888	ccsbBroad304	13888	454	BC108918	3809	KIR2DS4	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13889	ccsbBroad304	13889	454	BC105679	3813	KIR3DS1	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13890	ccsbBroad304	13890		BC121041	3833	KIFC1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13891	ccsbBroad304	13891		BC013200	3932	LCK	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13892	ccsbBroad304	13892	454	BC069540,BC093733	3976	LIF	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13893	ccsbBroad304	13893		BC032528	4048	LTA4H	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13894	ccsbBroad304	13894	454	BC130289	4052	LTBP1	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13895	ccsbBroad304	13895		BC015822	4057	LTF	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13896	ccsbBroad304	13896		BC033711	4287	ATXN3	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13897	ccsbBroad304	13897	454	BC074988	4317	MMP8	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13898	ccsbBroad304	13898		BC032319	4332	MNDA	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13899	ccsbBroad304	13899	454	BC056865	4356	MPP3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13900	ccsbBroad304	13900		BC009450	4357	MPST	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13901	ccsbBroad304	13901		BC005241	4361	MRE11A	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13902	ccsbBroad304	13902		BC017293	4478	MSN	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13903	ccsbBroad304	13903		BC018625	4507	MTAP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13904	ccsbBroad304	13904	454	BC130616	4548	MTR	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13905	ccsbBroad304	13905		BC035128	4601	MXI1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13906	ccsbBroad304	13906		BC005318	4632	MYL1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13907	ccsbBroad304	13907		BC009790	4634	MYL3	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13908	ccsbBroad304	13908	454	BC040050	4636	MYL5	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13909	ccsbBroad304	13909		BC003674	4695	NDUFA2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13910	ccsbBroad304	13910		BC000813,BC020821	4698	NDUFA5	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13911	ccsbBroad304	13911		BC015837	4704	NDUFA9	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13912	ccsbBroad304	13912		BC009691	4707	NDUFB1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13913	ccsbBroad304	13913	454	BC063304	4881	NPR1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13914	ccsbBroad304	13914		BC036657	4886	NPY1R	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13915	ccsbBroad304	13915	454	BC005219	4893	NRAS	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13916	ccsbBroad304	13916	454	BC098401	4897	NRCAM	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13917	ccsbBroad304	13917		BC109067	5143	PDE4C	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13918	ccsbBroad304	13918	454	BC059375	5167	ENPP1	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13919	ccsbBroad304	13919	454	BC033073	5239	PGM5	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13920	ccsbBroad304	13920	454	BC111985	5334	PLCL1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13921	ccsbBroad304	13921	454	BC136530	5362	PLXNA2	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13922	ccsbBroad304	13922		BC000806,BC018157	5440	POLR2K	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13923	ccsbBroad304	13923		BC002697,BC012045	5500	PPP1CB	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13924	ccsbBroad304	13924		BC002657,BC031696	5515	PPP2CA	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13925	ccsbBroad304	13925		BC027596	5519	PPP2R1B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13926	ccsbBroad304	13926		BC001095,BC010692	5528	PPP2R5D	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13927	ccsbBroad304	13927		BC027913	5534	PPP3R1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13928	ccsbBroad304	13928		BC063043	5551	PRF1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13929	ccsbBroad304	13929	454	BC039846	5566	PRKACA	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13930	ccsbBroad304	13930		BC022316	5670	PSG2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13931	ccsbBroad304	13931		BC029402	5684	PSMA3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13932	ccsbBroad304	13932		BC057840	5693	PSMB5	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13933	ccsbBroad304	13933		BC004368,BC019885	5721	PSME2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13934	ccsbBroad304	13934		BC028733	5747	PTK2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13935	ccsbBroad304	13935		BC126117	5774	PTPN3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13936	ccsbBroad304	13936		BC048416	5792	PTPRF	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13937	ccsbBroad304	13937		BC009836	5827	PXMP2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13938	ccsbBroad304	13938		BC003617	5870	RAB6A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13939	ccsbBroad304	13939		BC053536	5891	RAGE	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13940	ccsbBroad304	13940		BC032247	5933	RBL1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13941	ccsbBroad304	13941		BC011603	5970	RELA	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13942	ccsbBroad304	13942		BC015558	5973	RENBP	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13943	ccsbBroad304	13943		BC012605	6005	RHAG	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13944	ccsbBroad304	13944		BC100987	6095	RORA	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13945	ccsbBroad304	13945		BC005264,BC009868	6119	RPA3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13946	ccsbBroad304	13946		BC021886	6155	RPL27	Ambiguous base call	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13947	ccsbBroad304	13947	454	BC000603	6169	RPL38	3' failure (2nd to last codon absent)	hORFeome V8.1 Mutant Subcollection	6169	RPL38	NM_001035258.1	Full Length 99-100% match		
ccsbBroadEn	13948	ccsbBroad304	13948		BC017321	6206	RPS12	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13949	ccsbBroad304	13949		BC007925	6256	RXRA	Ambiguous base call	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13950	ccsbBroad304	13950		BC020758	6402	SELL	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13951	ccsbBroad304	13951		BC032785	6439	SFTPB	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13952	ccsbBroad304	13952		BC032584	6472	SHMT2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13953	ccsbBroad304	13953		BC059386	6498	SKIL	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13954	ccsbBroad304	13954		BC028601	6522	SLC4A2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13955	ccsbBroad304	13955		BC034237	6525	SMTN	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13956	ccsbBroad304	13956		BC006252	6533	SLC6A6	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13957	ccsbBroad304	13957		BC071165	6556	SLC11A1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13958	ccsbBroad304	13958	454	BC101745	6568	SLC17A1	early stop codon	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13959	ccsbBroad304	13959		BC126414	6670	SP3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13960	ccsbBroad304	13960		BC003389	6729	SRP54	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13961	ccsbBroad304	13961		BC002869	6813	STXBP2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection						
ccsbBroadEn	13962	ccsbBroad304	13962		BC034694	6820	SULT2B1	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection						



ccsbBroadEn_13963	ccsbBroad304_13963		BC036538	6860	SYT4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13964	ccsbBroad304_13964		BC032737	6879	TAF7	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13965	ccsbBroad304_13965		BC112392	6935	ZEB1	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13966	ccsbBroad304_13966		BC027877	7005	TEAD3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13967	ccsbBroad304_13967		BC001188	7037	TFRC	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13968	ccsbBroad304_13968	454	BC018503	7043	TGFB3	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13969	ccsbBroad304_13969		BC015944	7072	TIA1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13970	ccsbBroad304_13970	454	BC117418,BC126123	7110	TMF1	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13971	ccsbBroad304_13971		BC009195	7184	HSP90B1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13972	ccsbBroad304_13972		BC029600	7188	TRAF5	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13973	ccsbBroad304_13973		BC047772	7248	TSC1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13974	ccsbBroad304_13974		BC027179	7299	TYR	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13975	ccsbBroad304_13975		BC049368	7301	TYRO3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13976	ccsbBroad304_13976		BC010175	7319	UBE2A	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13977	ccsbBroad304_13977		BC066917	7323	UBE2D3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13978	ccsbBroad304_13978		BC008392	7352	UCP3	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13979	ccsbBroad304_13979		BC030974	7364	UGT2B7	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13980	ccsbBroad304_13980		BC038224	7408	VASP	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13981	ccsbBroad304_13981	454	BC044212	7425	VGf	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13982	ccsbBroad304_13982		BC000938,BC012841	7494	XBP1	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13983	ccsbBroad304_13983		BC000179,BC001440	7531	YWHAE	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13984	ccsbBroad304_13984		BC106875	7569	ZNF182	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13985	ccsbBroad304_13985		BC054005	7752	ZNF200	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13986	ccsbBroad304_13986		BC050050	7786	MAP3K12	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13987	ccsbBroad304_13987		BC030266	8034	SLC25A16	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13988	ccsbBroad304_13988		BC001407	8034	SLC25A16	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13989	ccsbBroad304_13989	454	BC010939	8106	PABPN1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13990	ccsbBroad304_13990	454	BC093739	8120	AP3B2	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13991	ccsbBroad304_13991	454	BC122547	8202	NCOA3	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13992	ccsbBroad304_13992		BC031333,BC033095	8351	HIST1H3D	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13993	ccsbBroad304_13993		BC050384	8464	SUPT3H	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13994	ccsbBroad304_13994		BC033893	8493	PPM1D	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13995	ccsbBroad304_13995		BC004349	8498	RANBP3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13996	ccsbBroad304_13996		CCSB53206	8526	DGKE	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13997	ccsbBroad304_13997		BC014967	8535	CBX4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13998	ccsbBroad304_13998		BC008008	8566	PDXK	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_13999	ccsbBroad304_13999	454	BC002719	8669	EIF3J	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14000	ccsbBroad304_14000		BC017237	8677	STX10	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14001	ccsbBroad304_14001		BC036390	8693	GALNT4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14002	ccsbBroad304_14002		BC016863	8724	SNX3	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14003	ccsbBroad304_14003	454	BC067259	8725	C19orf2	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14004	ccsbBroad304_14004		BC015935	8812	CCNK	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14005	ccsbBroad304_14005		BC118609	8825	LIN7A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14006	ccsbBroad304_14006	454	BC074840	8840	WISP1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14007	Failed LR reaction		BC011752	8930	MBD4	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14008	ccsbBroad304_14008		BC007881	9019	MPZL1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14009	Failed LR reaction		BC035576	9020	MAP3K14	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14010	ccsbBroad304_14010		BC035395	9050	PSTPIP2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14011	ccsbBroad304_14011		BC011392	9061	PAPSS1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14012	ccsbBroad304_14012		BC050640	9068	ANGPTL1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14013	ccsbBroad304_14013		BC014424	9075	CLDN2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14014	ccsbBroad304_14014		BC007102	9125	RQCD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14015	ccsbBroad304_14015		BC011033	9140	ATG12	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14016	ccsbBroad304_14016		BC007491	9156	EXO1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14017	ccsbBroad304_14017		BC005294,BC016359	9403	SEP15	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14018	ccsbBroad304_14018		BC022483	9411	ARHGAP29	Ambiguous base call	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14019	ccsbBroad304_14019		BC010940	9447	AIM2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14020	ccsbBroad304_14020		BC010123	9467	SH3BP5	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14021	ccsbBroad304_14021		BC005291	9521	EEF1E1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14022	ccsbBroad304_14022		BC012620	9527	GOSR1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14023	ccsbBroad304_14023	454	BC146789	9648	GCC2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14024	ccsbBroad304_14024		BC000277	9743	ARHGAP32	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14025	ccsbBroad304_14025		BC030280	9764	KIAA0513	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14026	ccsbBroad304_14026		BC032227	9765	ZFYVE16	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14027	ccsbBroad304_14027		BC114487	9767	PHF16	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14028	ccsbBroad304_14028		BC001331,BC002378	9776	ATG13	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14029	ccsbBroad304_14029		BC003103	9783	RIMS3	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14030	ccsbBroad304_14030	454	BC014039	9833	MELK	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14031	ccsbBroad304_14031		BC065555	9868	TOMM70A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14032	ccsbBroad304_14032	454	BC039204	9905	SGSM2	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14033	ccsbBroad304_14033		BC010267	9922	IQSEC1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14034	ccsbBroad304_14034	454	BC024254	10006	ABI1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14035	ccsbBroad304_14035	454	BC029396	10040	TOM1L1	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14036	ccsbBroad304_14036		BC000559	10058	ABCB6	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14037	ccsbBroad304_14037		BC016693	10077	TSPAN32	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14038	ccsbBroad304_14038		BC016057	10083	USH1C	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14039	ccsbBroad304_14039		BC066336	10213	PSMD14	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14040	ccsbBroad304_14040		BC009272	10232	MSLN	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14041	ccsbBroad304_14041		BC037283	10269	ZMPSTE24	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14042	ccsbBroad304_14042	454	BC012117	10283	CWC27	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14043	ccsbBroad304_14043		BC014315	10302	SNAPC5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14044	ccsbBroad304_14044		BC107061	10336	PCGF3	early stop codon	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14045	ccsbBroad304_14045		BC016692	10424	PGRMC2	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14046	ccsbBroad304_14046		BC007641,BC024260	10432	RBM14	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14047	ccsbBroad304_14047	454	BC106071	10460	TACC3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14048	ccsbBroad304_14048	454	BC137515	10507	SEMA4D	Ambiguous base call	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14049	ccsbBroad304_14049		BC033108	10518	CIB2	2 synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14050	ccsbBroad304_14050		BC028219	10618	TGOLN2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14051	ccsbBroad304_14051	454	BC070287	10638	SPHAR	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14052	ccsbBroad304_14052		BC026125,BC027591	10693	CCT6B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14053	ccsbBroad304_14053		BC007760	10723	SLC12A7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14054	ccsbBroad304_14054		BC021209	10743	RAI1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection
ccsbBroadEn_14055	ccsbBroad304_14055	454	BC003418	10776	ARPP19	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection



ccsbBroadEn_14056	ccsbBroad304_14056		BC035750	10800	CYSLTR1	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14057	ccsbBroad304_14057		BC034238	10857	PGRMC1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14058	ccsbBroad304_14058	454	BC003019	10901	DHRS4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14059	ccsbBroad304_14059		CCSB53154	10934	MORF4	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14060	ccsbBroad304_14060		BC017707	11043	MID2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14061	ccsbBroad304_14061		BC045542	11127	KIF3A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14062	ccsbBroad304_14062		BC009356	11135	CDC42EP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14063	ccsbBroad304_14063		BC010922	11147	HHLA3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14064	ccsbBroad304_14064		BC051310	11163	NUDT4	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14065	ccsbBroad304_14065		BC063800	11196	SEC23IP	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14066	ccsbBroad304_14066		BC004207	11200	CHEK2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14067	ccsbBroad304_14067		CCSB53263	22803	XRN2	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14068	ccsbBroad304_14068		BC018929	22822	PHLDA1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14069	ccsbBroad304_14069		BC035556	22845	DOLK	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14070	ccsbBroad304_14070	454	BC041804	22873	DZIP1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14071	ccsbBroad304_14071	454	BC093974	22905	EPN2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14072	ccsbBroad304_14072	454	BC146809	22930	RAB3GAP1	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14073	ccsbBroad304_14073		BC017309	22944	KIN	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14074	ccsbBroad304_14074		BC000959	22980	TCF25	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14075	ccsbBroad304_14075		BC048134	23028	KDM1A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14076	ccsbBroad304_14076		BC131505	23240	KIAA0922	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14077	ccsbBroad304_14077	454	BC016465	23331	TTC28	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14078	ccsbBroad304_14078		BC004292	23338	PHF15	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14079	ccsbBroad304_14079	454	BC042554	23351	KHNYN	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14080	ccsbBroad304_14080		BC033856	23367	LARP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14081	ccsbBroad304_14081		CCSB53197	23368	PPP1R13B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14082	ccsbBroad304_14082		BC021127	23392	KIAA0368	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14083	ccsbBroad304_14083		BC021978	23403	FBXO46	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14084	ccsbBroad304_14084		BC012499	23411	SIRT1	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14085	ccsbBroad304_14085		BC001487	23435	TARDBP	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14086	ccsbBroad304_14086		BC009780	23450	SF3B3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14087	ccsbBroad304_14087		BC011906	23479	ISCU	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14088	ccsbBroad304_14088		BC007632	23504	RIMBP2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14089	ccsbBroad304_14089		BC001217	23518	R3HDM1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14090	ccsbBroad304_14090	454	BC065223	23526	HMHA1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14091	ccsbBroad304_14091		BC012573	23597	ACOT9	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14092	ccsbBroad304_14092		BC004335	23648	SSBP3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14093	Failed LR reaction		BC030706	23683	PRKD3	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14094	ccsbBroad304_14094		BC007014	25816	TNFAIP8	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14095	ccsbBroad304_14095		BC011051	25821	MTO1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14096	ccsbBroad304_14096		BC026067	25879	DCAF13	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14097	ccsbBroad304_14097		BC008629	25902	MTHFD1L	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14098	ccsbBroad304_14098		BC004881	25930	PTPN23	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14099	ccsbBroad304_14099		BC017572	25945	PVRL3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14100	ccsbBroad304_14100		BC047107	25948	KBTD2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14101	ccsbBroad304_14101		BC001341	26007	DAK	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14102	ccsbBroad304_14102		BC035079	26009	ZZZ3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14103	ccsbBroad304_14103	454	BC080580	26024	PTCD1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14104	ccsbBroad304_14104	454	BC017731	26031	OSBPL3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14105	ccsbBroad304_14105	454	BC150284	26046	LTN1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14106	ccsbBroad304_14106		BC011968	26063	DECR2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14107	ccsbBroad304_14107		BC009415	26153	KIF26A	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14108	ccsbBroad304_14108		BC030689	26266	SLC13A4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14109	ccsbBroad304_14109		BC014679	26269	FBXO8	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14110	ccsbBroad304_14110		BC013117	26575	RGS17	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14111	ccsbBroad304_14111		BC031628	26748	GAGE12I	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14112	ccsbBroad304_14112	454	BC074875	26974	ZNF285	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14113	ccsbBroad304_14113		BC014552	27010	TPK1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14114	ccsbBroad304_14114		BC028139	27032	ATP2C1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14115	ccsbBroad304_14115		BC002944	27077	B9D1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14116	ccsbBroad304_14116		BC016967	27079	RPUSD2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14117	ccsbBroad304_14117	454	BC022516	27106	ARRDC2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14118	ccsbBroad304_14118		BC025700	27125	AFF4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14119	ccsbBroad304_14119		BC006370	27130	INVS	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14120	ccsbBroad304_14120		BC117387	27154	BRPF3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14121	ccsbBroad304_14121		BC035365	27180	SIGLEC9	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14122	ccsbBroad304_14122		BC010241	27242	TNFRSF21	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14123	ccsbBroad304_14123		BC026104,BC031049	27250	PDCD4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14124	ccsbBroad304_14124		BC024000	27332	ZNF638	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14125	ccsbBroad304_14125		BC025727	28663	TRAV20	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14126	ccsbBroad304_14126	454	BC039813	28954	REM1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14127	ccsbBroad304_14127		BC019909	29028	ATAD2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14128	Failed LR reaction		BC037733	30061	SLC40A1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14129	ccsbBroad304_14129		BC015212	49855	SCAPER	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14130	ccsbBroad304_14130		BC032999	50640	PNPLA8	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14131	ccsbBroad304_14131		BC029492	51002	TPRKB	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14132	ccsbBroad304_14132	454	BC037288	51059	FAM135B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14133	ccsbBroad304_14133		BC052614	51066	C3orf32	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14134	ccsbBroad304_14134		BC000756	51073	MRPL4	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14135	ccsbBroad304_14135		BC015059	51076	CUTC	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14136	ccsbBroad304_14136		BC002847	51128	SAR1B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14137	ccsbBroad304_14137		BC004302,BC009292	51138	COPSA	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14138	ccsbBroad304_14138		BC017698	51157	ZNF580	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14139	ccsbBroad304_14139		BC031068	51166	AADAT	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14140	ccsbBroad304_14140		BC008650	51170	HSD17B11	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14141	ccsbBroad304_14141		BC014576	51187	RSL24D1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14142	ccsbBroad304_14142		BC039253,BC050272	51201	ZDHHC2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14143	ccsbBroad304_14143		BC012887	51203	NUSAP1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14144	ccsbBroad304_14144	454	BC111989,BC113371	51232	CRIM1	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14145	ccsbBroad304_14145		BC033495	51281	ANKMY1	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14146	ccsbBroad304_14146		BC050709	51321	AMZ2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14147	ccsbBroad304_14147		BC000924	51326	ARL17A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14148	ccsbBroad304_14148	454	BC141848	51434	ANAPC7	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				



ccsbBroadEn 14149	ccsbBroad304 14149		BC005891	51438	MAGEC2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14150	ccsbBroad304 14150		BC109117	51593	SRRT	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14151	ccsbBroad304 14151		BC029083	51603	METTL13	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14152	Failed LR reaction	454	BC137084	51663	ZFR	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14153	ccsbBroad304 14153		BC001346	51700	CYB5R2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14154	ccsbBroad304 14154		BC007985	51703	ACSL5	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14155	ccsbBroad304 14155	454	BC095525	51764	GNNG13	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14156	ccsbBroad304 14156		BC021161	51808	PHAX	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14157	ccsbBroad304 14157		BC032007	53346	TM6SF1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14158	ccsbBroad304 14158		BC009540	53836	GPR87	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14159	ccsbBroad304 14159		BC022461	53919	SLCO1C1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14160	ccsbBroad304 14160		BC017236	53944	CSNK1G1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14161	ccsbBroad304 14161		BC021197	54084	C21orf29	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14162	ccsbBroad304 14162		BC014257,BC016064	54458	PRR13	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14163	ccsbBroad304 14163		BC009984	54487	DGCR8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14164	ccsbBroad304 14164		BC020971	54575	UGT1A10	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14165	ccsbBroad304 14165		BC006213,BC017312	54587	MXRA8	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14166	ccsbBroad304 14166	454	BC036663	54627	KIAA1383	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14167	ccsbBroad304 14167		BC132817	54662	TBC1D13	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14168	ccsbBroad304 14168		BC117142,BC117144	54742	LY6K	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14169	ccsbBroad304 14169		BC028972	54762	GRAMD1C	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14170	ccsbBroad304 14170		BC010628	54776	PPP1R12C	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14171	ccsbBroad304 14171		BC027922	54807	ZNF586	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14172	ccsbBroad304 14172		BC032650	54840	APTX	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14173	ccsbBroad304 14173	454	BC062339	54890	ALKBH5	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14174	ccsbBroad304 14174		BC064145	54901	CDKAL1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14175	ccsbBroad304 14175		BC010061	54903	MKS1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14176	ccsbBroad304 14176		BC001759	54906	C10orf18	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14177	ccsbBroad304 14177		BC012021	54941	RNF125	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14178	ccsbBroad304 14178		BC002331	54949	SDHAF2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14179	ccsbBroad304 14179		BC016138	54954	FAM120C	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14180	ccsbBroad304 14180		BC018109	54955	C1orf109	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14181	ccsbBroad304 14181		BC013904	54973	CPSF3L	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14182	ccsbBroad304 14182		BC010849,BC013130	54982	CLN6	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14183	ccsbBroad304 14183		BC010907	55003	PAK1IP1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14184	ccsbBroad304 14184		BC081569	55023	PHIP	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14185	ccsbBroad304 14185		BC015017	55080	TAPBPL	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14186	ccsbBroad304 14186		BC042481	55083	KIF26B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14187	ccsbBroad304 14187		BC000049	55151	TMEM38B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14188	ccsbBroad304 14188		BC000279	55182	RNF220	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14189	ccsbBroad304 14189	454	BC036366	55205	ZNF532	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14190	ccsbBroad304 14190		BC005029	55214	LEPREL1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14191	ccsbBroad304 14191	454	BC001222,BC012152	55223	TRIM62	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14192	ccsbBroad304 14192		BC003398	55233	MOBK1B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14193	ccsbBroad304 14193	454	BC032919	55239	OGFOD1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14194	ccsbBroad304 14194		BC020954	55274	PHF10	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14195	ccsbBroad304 14195		BC010087	55276	PGM2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14196	ccsbBroad304 14196		BC014947	55277	FGGY	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14197	ccsbBroad304 14197		BC021282	55311	ZNF444	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14198	ccsbBroad304 14198		BC035817	55337	C19orf66	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14199	ccsbBroad304 14199		BC021720	55466	DNAJA4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14200	ccsbBroad304 14200	454	BC137130	55534	MAML3	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14201	ccsbBroad304 14201		BC015316	55585	UBE2Q1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14202	ccsbBroad304 14202		BC017206	55663	ZNF446	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14203	ccsbBroad304 14203		BC028088	55671	SMEK1	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14204	ccsbBroad304 14204		BC002945	55684	C9orf86	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14205	ccsbBroad304 14205		BC020955	55773	TBC1D23	Ambiguous base call	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14206	ccsbBroad304 14206		BC006222,BC006228	55778	ZNF839	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14207	ccsbBroad304 14207		BC010904	55789	DEPDC1B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14208	ccsbBroad304 14208		BC008115	55791	C1orf103	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14209	ccsbBroad304 14209		BC038297	55818	KDM3A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14210	ccsbBroad304 14210		BC029652	55821	ALLC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14211	ccsbBroad304 14211		BC011997	55860	ACTR10	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14212	ccsbBroad304 14212		BC025682	55876	GSDMB	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14213	ccsbBroad304 14213		BC062583	55904	MLL5	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14214	ccsbBroad304 14214		BC016609	55907	CMAS	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14215	ccsbBroad304 14215	454	BC142652	56062	KLHL4	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14216	ccsbBroad304 14216		BC031837	56126	PCDHB10	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14217	ccsbBroad304 14217		BC003126	56146	PCDHA2	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14218	ccsbBroad304 14218		BC007838	56270	WDR45L	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14219	ccsbBroad304 14219		BC027865	56673	C11orf16	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14220	ccsbBroad304 14220		BC020959	56889	TM9SF3	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14221	ccsbBroad304 14221		BC008894,BC032106	56910	STARD7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14222	Failed LR reaction		BC098305	56950	SMYD2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14223	ccsbBroad304 14223		BC026955	56965	PARP6	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14224	ccsbBroad304 14224		BC039089	57096	RPGRI1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14225	ccsbBroad304 14225	454	BC065218	57127	RHBG	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14226	ccsbBroad304 14226		BC036753	57168	ASPHD2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14227	ccsbBroad304 14227		BC013749	57186	RALGAPA2	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14228	ccsbBroad304 14228	454	BC075798	57211	GPR126	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14229	ccsbBroad304 14229		BC009376	57332	CBX8	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14230	ccsbBroad304 14230		BC014317,BC050606	57393	TMEM27	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14231	ccsbBroad304 14231		BC031632	57501	KIAA1257	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14232	Failed LR reaction		BC031648	57535	KIAA1324	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14233	ccsbBroad304 14233		CCSB53218	57562	KIAA1377	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14234	ccsbBroad304 14234		BC032220	57674	RNF213	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14235	ccsbBroad304 14235	454	BC039301	57685	CACHD1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14236	ccsbBroad304 14236		BC032578	57728	WDR19	early stop codon	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14237	ccsbBroad304 14237		BC016582	58155	PTBP2	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14238	ccsbBroad304 14238		BC014953	58527	C6orf115	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14239	ccsbBroad304 14239		BC047522	60680	CELF5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14240	ccsbBroad304 14240		BC014299	60686	C14orf93	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection			
ccsbBroadEn 14241	ccsbBroad304 14241	454	BC047673	63941	NECAB3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection			



ccsbBroadEn	14242	ccsbBroad304	14242			BC014897	64087	MCCC2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14243	ccsbBroad304	14243			BC011904	64172	OSGEPL1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14244	ccsbBroad304	14244			BC012946	64283	RGNEF	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14245	ccsbBroad304	14245			BC014212	64319	FBRS	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14246	ccsbBroad304	14246			BC042197	64747	MFSD1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14247	ccsbBroad304	14247			BC030281	64926	RASAL3	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14248	ccsbBroad304	14248			BC015728	64927	TTC23	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14249	ccsbBroad304	14249	454		BC014550	64943	NT5DC2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14250	ccsbBroad304	14250			BC004517	65005	MRPL9	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14251	ccsbBroad304	14251			BC015109	65008	MRPL1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14252	ccsbBroad304	14252			BC008298	65083	NOL6	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14253	ccsbBroad304	14253			BC022003	66036	MTMR9	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14254	ccsbBroad304	14254			BC000208	78990	OTUB2	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14255	ccsbBroad304	14255			BC001130	79038	ZFYVE21	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14256	ccsbBroad304	14256			BC001213	79066	METT10D	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14257	ccsbBroad304	14257			BC001680	79086	C19orf42	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14258	ccsbBroad304	14258			BC002326	79109	MAPKAP1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14259	ccsbBroad304	14259	454		BC002714	79153	GDPD3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14260	ccsbBroad304	14260			BC012945	79173	C19orf57	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14261	ccsbBroad304	14261			BC003648,BC025356	79441	HAUS3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14262	ccsbBroad304	14262			BC064592	79612	NAA16	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14263	ccsbBroad304	14263			BC015617	79613	TMCO7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14264	ccsbBroad304	14264			BC036744	79621	RNASEH2B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14265	ccsbBroad304	14265			BC011804	79656	BEND5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14266	ccsbBroad304	14266	454		BC064919	79684	C11orf61	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14267	ccsbBroad304	14267			BC029832	79699	ZYG11B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14268	ccsbBroad304	14268			BC014298	79706	PRKRIP1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14269	ccsbBroad304	14269			BC007800	79731	NARS2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14270	ccsbBroad304	14270			BC031038	79734	KCTD17	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14271	ccsbBroad304	14271	454		BC098310	79783	C7orf10	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14272	ccsbBroad304	14272			BC027602	79838	TMC5	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14273	ccsbBroad304	14273			BC009820	79864	C11orf63	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14274	ccsbBroad304	14274			BC025728	79891	ZNF671	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14275	ccsbBroad304	14275	454		BC062562	79939	SLC35E1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14276	ccsbBroad304	14276	454		BC029054	79955	PDZD7	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14277	ccsbBroad304	14277			CCSB53388	80006	C5orf44	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14278	ccsbBroad304	14278			BC030803	80008	TMEM156	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14279	ccsbBroad304	14279			BC024256	80028	FBXL18	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14280	ccsbBroad304	14280			BC008882	80178	C16orf59	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14281	ccsbBroad304	14281			BC008641	80184	CEP290	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14282	ccsbBroad304	14282	454		BC036647	80217	C10orf79	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14283	ccsbBroad304	14283			BC021968	80233	C17orf70	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14284	ccsbBroad304	14284			BC034689	80328	ULBP2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14285	ccsbBroad304	14285			BC028366	80705	TSGA10	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14286	ccsbBroad304	14286			BC038667	80817	KIAA1712	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14287	ccsbBroad304	14287	454		BC041409	80823	BHLHB9	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14288	ccsbBroad304	14288			BC028218	81030	ZBP1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14289	ccsbBroad304	14289			BC006334	81033	KCNH6	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14290	ccsbBroad304	14290			BC010620	81539	SLC38A1	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14291	ccsbBroad304	14291			BC020203,BC029416	81544	GDPD5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14292	ccsbBroad304	14292			BC009758	81671	TMEM49	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14293	ccsbBroad304	14293	454		BC105071	81851	KRTAP1-1	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14294	ccsbBroad304	14294			BC010512,BC013185	83638	C11orf68	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14295	ccsbBroad304	14295	454		BC001861	83639	TEX101	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14296	ccsbBroad304	14296			BC054892	83657	DYNLRB2	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14297	ccsbBroad304	14297			BC025729	83692	CD99L2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14298	ccsbBroad304	14298			BC044658	83786	FRMD8	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14299	ccsbBroad304	14299	454		BC029868	83891	SNX25	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14300	ccsbBroad304	14300	454		BC069533	83895	KRTAP1-5	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14301	ccsbBroad304	14301	454		BC136541	84034	EMILIN2	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14302	ccsbBroad304	14302			BC011579	84065	TMEM222	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14303	ccsbBroad304	14303			CCSB53376	84099	ID2B	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14304	ccsbBroad304	14304			BC036734	84102	SLC41A2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14305	ccsbBroad304	14305	454		BC110833	84172	POLR1B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14306	ccsbBroad304	14306			BC030246	84179	MFSD7	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14307	ccsbBroad304	14307			BC017377	84188	FAR1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14308	ccsbBroad304	14308	454		BC101496	84239	ATP13A4	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14309	ccsbBroad304	14309			BC006407,BC051846	84316	LSDM1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14310	ccsbBroad304	14310			BC013793	84548	TMEM185A	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14311	ccsbBroad304	14311	454		BC060796	84660	CCDC62	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14312	ccsbBroad304	14312			BC131724	84698	CAPS2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14313	ccsbBroad304	14313			BC019261	84705	GTPBP3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14314	ccsbBroad304	14314			BC002838	84725	PLEKHA8	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14315	ccsbBroad304	14315			BC014850	84775	ZNF607	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14316	ccsbBroad304	14316	454		BC006362	84814	PPAPDC3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14317	ccsbBroad304	14317			BC007354	84847	MGC16075	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14318	ccsbBroad304	14318			BC018707	84899	TMTC4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14319	ccsbBroad304	14319			BC011878	84900	RNFT2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14320	ccsbBroad304	14320	454		BC065280	84919	PPP1R15B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14321	ccsbBroad304	14321	454		BC039821	84925	DIRC2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14322	ccsbBroad304	14322			BC008098	84939	MUM1	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14323	ccsbBroad304	14323			BC007542	84960	KIAA1984	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14324	ccsbBroad304	14324			BC007849	84987	C12orf62	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14325	ccsbBroad304	14325			BC007871	84991	RBM17	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14326	ccsbBroad304	14326			BC005991	85015	USP45	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14327	ccsbBroad304	14327			BC012332	85302	FBF1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14328	ccsbBroad304	14328	454		BC040536	85450	ITPRIP	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14329	ccsbBroad304	14329			BC016720	85480	TSLP	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14330	ccsbBroad304	14330			BC103885	89777	SERPINB12	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14331	ccsbBroad304	14331			BC025726	89822	KCNK17	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14332	ccsbBroad304	14332			BC012001	90273	CEACAM21	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14333	ccsbBroad304	14333			BC069200	90480	GADD45GIP1	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn	14334	ccsbBroad304	14334			BC009010	90523	C6orf142	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				



ccsbBroadEn_14335	ccsbBroad304_14335	454	BC101601	90525	SHF	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14336	ccsbBroad304_14336		BC012427	90693	CCDC126	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14337	ccsbBroad304_14337		BC039316	91133	L3MBTL4	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14338	ccsbBroad304_14338		BC052586	91607	SLFN11	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14339	ccsbBroad304_14339		BC017357	91661	ZNF765	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14340	ccsbBroad304_14340		BC015183	91801	ALKBH8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14341	ccsbBroad304_14341		BC035721	92170	MTG1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14342	ccsbBroad304_14342		BC040173	92715	WDR85	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14343	ccsbBroad304_14343		CCSB53139	93034	NT5C1B	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14344	ccsbBroad304_14344		BC035311	93099	DMKN	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14345	ccsbBroad304_14345		BC032466	93100	NAPRT1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14346	ccsbBroad304_14346		BC027237	93594	WDR67	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14347	ccsbBroad304_14347		BC034419	94033	FTMT	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14348	ccsbBroad304_14348		BC001723	112398	EGLN2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14349	Failed LR reaction		BC010618	112487	C14orf126	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14350	ccsbBroad304_14350		BC014609	113177	IZUMO4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14351	ccsbBroad304_14351		BC010691	113235	SLC46A1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14352	ccsbBroad304_14352		BC020251	113419	TEX261	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14353	ccsbBroad304_14353		BC001418,BC013953	113452	TMEM54	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14354	ccsbBroad304_14354	454	BC101654	114043	C21orf90	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14355	ccsbBroad304_14355		BC000169,BC001780	114049	WBSCR22	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14356	ccsbBroad304_14356		BC117119	114134	SLC2A13	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14357	ccsbBroad304_14357	454	BC036039	114991	ZNF618	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14358	ccsbBroad304_14358		BC014311	115548	FCHO2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14359	ccsbBroad304_14359		BC041793,BC045612	116138	KLHDC3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14360	ccsbBroad304_14360	454	BC167432	116443	GRIN3A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14361	ccsbBroad304_14361		BC032775	116841	SNAP47	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14362	ccsbBroad304_14362	454	BC140935	117579	RLN3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14363	ccsbBroad304_14363		BC063804	120526	DNAJC24	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14364	ccsbBroad304_14364	454	BC095479	120935	CCDC38	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14365	ccsbBroad304_14365		BC032326	121053	C12orf45	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14366	ccsbBroad304_14366		BC031799	122970	ACOT4	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14367	ccsbBroad304_14367		BC026351	123016	TTC8	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14368	ccsbBroad304_14368		BC012018,BC062534	124402	FAM100A	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14369	ccsbBroad304_14369	454	BC035678	126402	CCDC105	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14370	ccsbBroad304_14370	454	BC044864	126668	TDRD10	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14371	ccsbBroad304_14371	454	BC067101	127294	MYOM3	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14372	ccsbBroad304_14372		BC028292	127435	PODN	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14373	ccsbBroad304_14373		BC016005	129642	MBOAT2	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14374	ccsbBroad304_14374	454	BC103852	130120	REG3G	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14375	ccsbBroad304_14375		BC031603	130540	ALS2CR12	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14376	ccsbBroad304_14376		BC047704	130560	SPATA3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14377	ccsbBroad304_14377	454	BC033509	130752	MDH1B	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14378	ccsbBroad304_14378		BC107596	130940	CCDC148	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14379	ccsbBroad304_14379		BC026221,BC037299	131408	FAM131A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14380	ccsbBroad304_14380		BC015088	132001	C3orf31	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14381	ccsbBroad304_14381		BC040229	132612	ADAD1	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14382	ccsbBroad304_14382		BC013425	134510	UBLCP1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14383	ccsbBroad304_14383	454	BC104897	136332	LRGUK	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14384	ccsbBroad304_14384		BC027970	140290	TCP10L	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14385	ccsbBroad304_14385		BC103874	140456	ASB11	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14386	ccsbBroad304_14386		BC028120	140545	RNF32	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14387	ccsbBroad304_14387		BC032455	140706	C20orf160	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14388	ccsbBroad304_14388		BC114945	140894	C20orf152	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14389	ccsbBroad304_14389		BC025389	143471	PSMA8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14390	ccsbBroad304_14390		BC012183	143630	UBQLNL	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14391	ccsbBroad304_14391	454	BC033239	144100	PLEKHA7	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14392	ccsbBroad304_14392		BC028421	144406	WDR66	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14393	ccsbBroad304_14393		BC036246	144577	C12orf66	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14394	ccsbBroad304_14394	454	BC084545	145748	LYSMD4	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14395	ccsbBroad304_14395		BC018997	146542	ZNF688	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14396	ccsbBroad304_14396	454	BC028199	146722	CD300LF	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14397	Failed LR reaction		BC029574	147011	PROCA1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14398	ccsbBroad304_14398		BC060882	147111	NOTUM	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14399	ccsbBroad304_14399	454	BC035789	147381	CBLN2	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection	147381	CBLN2	NM_182511.3	Full Length 99-100% match
ccsbBroadEn_14400	ccsbBroad304_14400	454	BC050326	147945	NLRP4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14401	ccsbBroad304_14401		BC029162	147991	DPY19L3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14402	ccsbBroad304_14402	454	BC033213	148398	SAMD11	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14403	ccsbBroad304_14403	454	BC037878	148641	SLC35F3	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14404	ccsbBroad304_14404		CCSB53214	149233	IL23R	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14405	ccsbBroad304_14405		BC028198	151651	EFHB	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14406	ccsbBroad304_14406		BC040527	153241	CEP120	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14407	ccsbBroad304_14407	454	BC065189	153572	IRX2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14408	ccsbBroad304_14408		BC022520	154661	RUND3B	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14409	ccsbBroad304_14409		BC008467	154791	C7orf55	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14410	ccsbBroad304_14410	454	BC093978	155400	NSUN5P1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14411	ccsbBroad304_14411		CCSB53297	157657	C8orf37	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14412	ccsbBroad304_14412		BC031245	157773	C8orf48	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14413	ccsbBroad304_14413		BC042617	157807	CLVS1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14414	ccsbBroad304_14414		CCSB53344	158219	TTC39B	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14415	ccsbBroad304_14415	454	BC071675	158931	TCEAL6	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14416	ccsbBroad304_14416		BC035663	161253	REM2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14417	ccsbBroad304_14417		BC129931	161497	STRC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14418	ccsbBroad304_14418		BC075857	161823	ADAL	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14419	ccsbBroad304_14419		BC035021	162333	MARCH10	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14420	ccsbBroad304_14420	454	BC050579	165055	CCDC138	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14421	ccsbBroad304_14421		CCSB53278	165257	C1QL2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14422	ccsbBroad304_14422		BC032726	166614	DCLK2	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14423	ccsbBroad304_14423		BC028710	169966	FAM46D	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14424	ccsbBroad304_14424		BC027936	170063	CXorf22	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14425	ccsbBroad304_14425		BC053361	171017	ZNF384	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14426	ccsbBroad304_14426		BC103992	199990	C1orf86	5' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14427	ccsbBroad304_14427		BC016880	200014	CC2D1B	early stop codon	hORFeome V8.1 Mutant Subcollection				



ccsbBroadEn_14428	ccsbBroad304_14428		BC022243	200424	TET3	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14429	ccsbBroad304_14429	454	BC063534	202309	GAPT	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14430	ccsbBroad304_14430	454	BC142997	203190	LG13	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14431	ccsbBroad304_14431		BC021580	203245	NAIF1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14432	ccsbBroad304_14432		BC012981	203286	ANKS6	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14433	ccsbBroad304_14433	454	BC062223	203413	CXorf61	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14434	ccsbBroad304_14434	454	BC069087	203611	CDY2B	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14435	ccsbBroad304_14435	454	BC127117	219285	SAMD9L	3 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14436	ccsbBroad304_14436		BC026165	219670	ENKUR	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14437	ccsbBroad304_14437		BC025765	219790	RTKN2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14438	ccsbBroad304_14438		BC036256,BC048121	219990	PLAC1L	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14439	ccsbBroad304_14439		CCSB53224	221391	OPN5	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14440	ccsbBroad304_14440		BC035634	221476	PI16	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14441	ccsbBroad304_14441	454	BC114573	221785	ZNF498	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14442	ccsbBroad304_14442	454	BC038669	221833	SP8	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14443	ccsbBroad304_14443		BC067905	221938	MMD2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14444	ccsbBroad304_14444	454	BC064508	222487	GPR97	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14445	ccsbBroad304_14445		BC032339	245812	CNPY4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14446	ccsbBroad304_14446	454	BC140936	245939	DEFB128	early stop codon	hORFeome V8.1 Mutant Subcollection	245939	DEFB128	NM_001037732.1	Full Length 99-100% match
ccsbBroadEn_14447	ccsbBroad304_14447		BC072463	253017	TECRL	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14448	ccsbBroad304_14448	454	BC146817	253558	LCLAT1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14449	ccsbBroad304_14449		BC037322	254251	LCORL	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14450	ccsbBroad304_14450	454	BC112326	255082	CASC2	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14451	ccsbBroad304_14451		BC031585	255101	CCDC108	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14452	ccsbBroad304_14452	454	BC029540	255313	CT47A11	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14453	ccsbBroad304_14453		BC015168	255520	ELMOD2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14454	ccsbBroad304_14454		BC039562	255762	PDZD9	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14455	ccsbBroad304_14455	454	BC042951	256536	TCERG1L	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14456	ccsbBroad304_14456		BC016987	259282	BOD1L	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14457	ccsbBroad304_14457		BC101154	259291	TAS2R45	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14458	ccsbBroad304_14458	454	BC136850	283093	OR4C12	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14459	ccsbBroad304_14459		BC034394	283238	SLC22A24	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14460	ccsbBroad304_14460		BC040264	284001	CCDC57	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14461	ccsbBroad304_14461		BC035561	284004	HEXDC	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14462	ccsbBroad304_14462		BC117228	284353	NKPD1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14463	ccsbBroad304_14463	454	BC093939	284751	LOC284751	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14464	ccsbBroad304_14464		BC064898	285315	C3orf33	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14465	ccsbBroad304_14465	454	BC059361	285598	ARL10	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14466	ccsbBroad304_14466		BC064365	285753	CEP57L1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14467	ccsbBroad304_14467	454	BC038716	285755	PPIL6	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14468	ccsbBroad304_14468		BC035671	285761	DCBLD1	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14469	ccsbBroad304_14469		BC026194,BC033545	285782	CAGE1	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14470	ccsbBroad304_14470		BC126193	286148	DPY19L4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14471	ccsbBroad304_14471	454	BC055413	286187	LRR67	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14472	ccsbBroad304_14472		CCSB53363	317761	C14orf39	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14473	ccsbBroad304_14473		BC132829,CCSB53311	338645	LUZP2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14474	ccsbBroad304_14474		CCSB53329	338692	ANKRD13D	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14475	ccsbBroad304_14475	454	BC042500	339500	ZNF678	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14476	ccsbBroad304_14476		BC126240,CCSB53294	339524	LOC339524	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14477	ccsbBroad304_14477		BC015684	339976	TRIML1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14478	ccsbBroad304_14478	454	BC157888	340654	LIPM	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14479	ccsbBroad304_14479		BC101126	341947	COX8C	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14480	ccsbBroad304_14480		CCSB53243	345778	MTX3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14481	ccsbBroad304_14481	454	BC090888	347273	MURC	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14482	ccsbBroad304_14482		BC121033	353299	RGSL1	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14483	ccsbBroad304_14483		BC117392,BC117394	374470	C12orf42	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14484	ccsbBroad304_14484	454	BC111064	374946	C1orf187	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14485	ccsbBroad304_14485		BC032390	375484	C5orf25	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14486	ccsbBroad304_14486		BC022957	375748	C9orf102	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14487	ccsbBroad304_14487		BC130467,BC130469	378465	HSN2	2 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14488	ccsbBroad304_14488	454	BC128138	378807	CATSPER4	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14489	ccsbBroad304_14489		BC008651	386759	MGC9913	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14490	ccsbBroad304_14490	454	BC107743	387590	psiTPE22	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14491	ccsbBroad304_14491	454	BC127701	388121	TNFAIP8L3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14492	Failed LR reaction		BC130307,BC130309	389084	C2orf82	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14493	ccsbBroad304_14493	454	BC094780	389136	VGLL3	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14494	ccsbBroad304_14494	454	BC136849	389524	GTF2IRD2B	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14495	ccsbBroad304_14495	454	BC124555	389799	C9orf171	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14496	ccsbBroad304_14496	454	BC136941	390431	OR4K2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14497	ccsbBroad304_14497	454	BC137055	390442	OR11H4	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14498	ccsbBroad304_14498	454	BC136816	391191	OR2AK2	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14499	ccsbBroad304_14499		BC064375	399474	TMEM200B	4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14500	ccsbBroad304_14500		BC130594	399726	C10orf114	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14501	ccsbBroad304_14501	454	BC066962	402055	SRRD	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14502	ccsbBroad304_14502	454	BC063803	403340	MGC70870	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14503	ccsbBroad304_14503		BC009350	440275	EIF2AK4	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14504	ccsbBroad304_14504	454	BC042429	442028	LOC442028	3' Gateway sequence insertion/deletion	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14505	ccsbBroad304_14505	454	BC024198	442229	MCART3P	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14506	ccsbBroad304_14506		BC069461	474344	GIMAP6	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14507	ccsbBroad304_14507	454	BC110987	497049	FLJ25758	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14508	ccsbBroad304_14508		BC062736	503543	BTF3P9	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14509	ccsbBroad304_14509	454	BC009111	552889	ATXN7L3B	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14510	ccsbBroad304_14510	454	BC006530	554175	DNM1P33	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14511	ccsbBroad304_14511	454	BC089423	554251	FBXO48	>4 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14512	ccsbBroad304_14512	454	BC137530	643394	SPINK9	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14513	ccsbBroad304_14513		BC057848	644316	FLJ43315	Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14514	ccsbBroad304_14514	454	BC092424	644936	LOC644936	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14515	ccsbBroad304_14515	454	BC137207	645520	FAM138A	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14516	ccsbBroad304_14516	454	BC147005	645851	LOC645851	early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14517	ccsbBroad304_14517		BC003187	653519	GPR89A	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14518	ccsbBroad304_14518	454	BC070094	653583	PHLDB3	insertion or deletion in coding sequence	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14519	ccsbBroad304_14519	454	BC127892	727833	IMPDH1P11	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn_14520	ccsbBroad304_14520	454	BC090057	790955	C11orf83	1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				



ccsbBroadEn 14521	ccsbBroad304 14521	I				Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn 14522	ccsbBroad304 14522	I				1 non-synonymous errors	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn 14523	ccsbBroad304 14523	I				early stop codon	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn 14524	ccsbBroad304 14524	I				Ambiguous base call	hORFeome V8.1 Mutant Subcollection				
ccsbBroadEn 14525	ccsbBroad304 14525	S			25	ABL1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14526	ccsbBroad304 14526	S			27	ABL2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14527	ccsbBroad304 14527	S			90	ACVR1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14528	ccsbBroad304 14528	S			91	ACVR1B	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14529	ccsbBroad304 14529	S			92	ACVR2A	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14530	ccsbBroad304 14530	S			93	ACVR2B	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14531	ccsbBroad304 14531	S			94	ACVRL1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14532	ccsbBroad304 14532	S			156	ADRBK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14533	ccsbBroad304 14533	S			157	ADRBK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14534	ccsbBroad304 14534	I	BC014214	160		AP2A1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14535	ccsbBroad304 14535	S			203	AK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14536	ccsbBroad304 14536	S			204	AK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14537	ccsbBroad304 14537	S			205	AK3L1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14538	ccsbBroad304 14538	S			207	AKT1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14539	ccsbBroad304 14539	I	BC009245	220		ALDH1A3	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14540	ccsbBroad304 14540	S			238	ALK	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14541	ccsbBroad304 14541	S			269	AMHR2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14542	ccsbBroad304 14542	I	BC012889	333		APLP1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14543	ccsbBroad304 14543	I	BC003557	348		APOE	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14544	ccsbBroad304 14544	S			369	ARAF	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14545	ccsbBroad304 14545	I	BC000724	537		ATP6AP1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14546	ccsbBroad304 14546	S			558	AXL	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14547	ccsbBroad304 14547	I	CCSB53151	604		BCL6	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14548	ccsbBroad304 14548	S			640	BLK	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14549	ccsbBroad304 14549	S			657	BMPR1A	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14550	ccsbBroad304 14550	S			658	BMPR1B	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14551	ccsbBroad304 14551	S			659	BMPR2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14552	ccsbBroad304 14552	S			660	BMX	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14553	ccsbBroad304 14553	S			673	BRAF	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14554	ccsbBroad304 14554	S			695	BTK	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14555	ccsbBroad304 14555	S			699	BUB1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14556	ccsbBroad304 14556	S			701	BUB1B	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14557	ccsbBroad304 14557	S			780	DDR1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14558	ccsbBroad304 14558	S			801	CALM1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14559	ccsbBroad304 14559	S			805	CALM2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14560	ccsbBroad304 14560	S			808	CALM3	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14561	ccsbBroad304 14561	S			814	CAMK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14562	ccsbBroad304 14562	S			815	CAMK2A	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14563	ccsbBroad304 14563	I	BC019070	816		CAMK2B	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14564	ccsbBroad304 14564	S			816	CAMK2B	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14565	ccsbBroad304 14565	S			817	CAMK2D	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14566	ccsbBroad304 14566	S			818	CAMK2G	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14567	ccsbBroad304 14567	I	BC011903	826		CAPNS1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14568	ccsbBroad304 14568	S			914	CD2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14569	ccsbBroad304 14569	S			983	CDC2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14570	ccsbBroad304 14570	S			984	CDC2L1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14571	ccsbBroad304 14571	S			985	CDC2L2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14572	ccsbBroad304 14572	S			1017	CDK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14573	ccsbBroad304 14573	S			1018	CDK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14574	ccsbBroad304 14574	S			1019	CDK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14575	ccsbBroad304 14575	S			1020	CDK5	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14576	ccsbBroad304 14576	S			1021	CDK6	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14577	ccsbBroad304 14577	S			1022	CDK7	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14578	ccsbBroad304 14578	S			1024	CDK8	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14579	ccsbBroad304 14579	S			1025	CDK9	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14580	ccsbBroad304 14580	I	BC113472.BC113474	1038		CDR1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14581	ccsbBroad304 14581	I	BC034671	1048		CEACAM5	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14582	ccsbBroad304 14582	S			1111	CHEK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14583	ccsbBroad304 14583	S			1119	CHKA	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14584	ccsbBroad304 14584	S			1152	CKB	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14585	ccsbBroad304 14585	S			1158	CKM	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14586	ccsbBroad304 14586	S			1160	CKMT2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14587	ccsbBroad304 14587	S			1163	CKS1B	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14588	ccsbBroad304 14588	S			1164	CKS2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14589	ccsbBroad304 14589	S			1195	CLK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14590	ccsbBroad304 14590	S			1196	CLK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14591	ccsbBroad304 14591	S			1198	CLK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14592	ccsbBroad304 14592	I	BC011705	1299		COL9A3	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14593	Failed LR reaction	S			1326	MAP3K8	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14594	ccsbBroad304 14594	I	BC017210	1371		CPOX	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14595	ccsbBroad304 14595	S			1399	CRKL	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14596	ccsbBroad304 14596	S			1432	MAPK14	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14597	ccsbBroad304 14597	S			1436	CSF1R	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14598	ccsbBroad304 14598	S			1445	CSK	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14599	ccsbBroad304 14599	S			1452	CSNK1A1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14600	ccsbBroad304 14600	S			1453	CSNK1D	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14601	ccsbBroad304 14601	S			1454	CSNK1E	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14602	ccsbBroad304 14602	S			1455	CSNK1G2	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14603	ccsbBroad304 14603	S			1456	CSNK1G3	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14604	ccsbBroad304 14604	S			1457	CSNK2A1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14605	ccsbBroad304 14605	S			1460	CSNK2B	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14606	ccsbBroad304 14606	S			1606	DGKA	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14607	ccsbBroad304 14607	S			1607	DGKB	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14608	ccsbBroad304 14608	S			1608	DGKG	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14609	ccsbBroad304 14609	S			1612	DAPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14610	ccsbBroad304 14610	S			1613	DAPK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14611	ccsbBroad304 14611	I	BC114927	1617		DAZ1	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14612	ccsbBroad304 14612	I	BC000762	1632		DCI	N/A	hORFeome V8.1 Partially Sequenced Subcollection			
ccsbBroadEn 14613	ccsbBroad304 14613	S			1633	DCK	N/A	hORFeome V8.1 Partially Sequenced Subcollection			



ccsbBroadEn 14614	ccsbBroad304 14614	S		1716	DGUOK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14615	ccsbBroad304 14615	S		1739	DLG1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14616	ccsbBroad304 14616	S		1741	DLG3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14617	ccsbBroad304 14617	454	BC153299	1755	DMBT1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14618	Failed LR reaction	I	CCSB53308	1804	DPP6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14619	ccsbBroad304 14619	S		1841	DTYMK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14620	ccsbBroad304 14620	I	BC110377	1854	DUT	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14621	ccsbBroad304 14621	S		1859	DYRK1A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14622	ccsbBroad304 14622	S		1956	EGFR	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14623	ccsbBroad304 14623	S		1969	EPHA2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14624	ccsbBroad304 14624	S		2011	MARK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14625	ccsbBroad304 14625	S		2041	EPHA1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14626	ccsbBroad304 14626	S		2042	EPHA3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14627	ccsbBroad304 14627	S		2043	EPHA4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14628	ccsbBroad304 14628	S		2047	EPHB1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14629	ccsbBroad304 14629	S		2050	EPHB4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14630	ccsbBroad304 14630	S		2051	EPHB6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14631	ccsbBroad304 14631	S		2064	ERBB2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14632	ccsbBroad304 14632	S		2065	ERBB3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14633	ccsbBroad304 14633	S		2066	ERBB4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14634	ccsbBroad304 14634	S		2081	ERN1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14635	ccsbBroad304 14635	S		2185	PTK2B	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14636	ccsbBroad304 14636	S		2241	FER	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14637	ccsbBroad304 14637	S		2242	FES	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14638	ccsbBroad304 14638	S		2260	FGFR1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14639	ccsbBroad304 14639	S		2261	FGFR3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14640	ccsbBroad304 14640	S		2263	FGFR2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14641	ccsbBroad304 14641	S		2268	FGR	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14642	ccsbBroad304 14642	454	BC050072	2290	FOXG1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14643	ccsbBroad304 14643	S		2321	FLT1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14644	ccsbBroad304 14644	S		2322	FLT3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14645	ccsbBroad304 14645	S		2324	FLT4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14646	ccsbBroad304 14646	S		2395	FXN	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14647	ccsbBroad304 14647	S		2444	FRK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14648	ccsbBroad304 14648	I	CCSB53250	2530	FUT8	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14649	ccsbBroad304 14649	S		2534	FYN	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14650	Failed LR reaction	I	BC113402,BC113404	2535	FZD2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14651	ccsbBroad304 14651	S		2584	GALK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14652	ccsbBroad304 14652	S		2585	GALK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14653	ccsbBroad304 14653	454	BC038984	2621	GAS6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14654	ccsbBroad304 14654	S		2645	GCK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14655	ccsbBroad304 14655	S		2710	GK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14656	ccsbBroad304 14656	S		2712	GK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14657	ccsbBroad304 14657	I	BC050021	2774	GNAL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14658	ccsbBroad304 14658	S		2870	GRK6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14659	ccsbBroad304 14659	S		2872	MKMK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14660	Failed LR reaction	I	BC027984,BC051865	2931	GSK3A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14661	ccsbBroad304 14661	S		2931	GSK3A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14662	ccsbBroad304 14662	S		2965	GTF2H1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14663	ccsbBroad304 14663	S		2987	GUK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14664	ccsbBroad304 14664	S		3055	HCK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14665	ccsbBroad304 14665	S		3098	HK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14666	ccsbBroad304 14666	I	BC021116	3099	HK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14667	ccsbBroad304 14667	S		3099	HK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14668	ccsbBroad304 14668	S		3101	HK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14669	ccsbBroad304 14669	I	BC015180	3200	HOXA3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14670	ccsbBroad304 14670	I	BC096273	3267	AGFG1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14671	ccsbBroad304 14671	S		3480	IGF1R	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14672	ccsbBroad304 14672	454	BC073765	3494	IGHA2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14673	ccsbBroad304 14673	S		3611	ILK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14674	ccsbBroad304 14674	S		3645	INSRR	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14675	ccsbBroad304 14675	S		3656	IRAK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14676	ccsbBroad304 14676	S		3702	ITK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14677	ccsbBroad304 14677	S		3707	ITPKB	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14678	ccsbBroad304 14678	I	BC046391	3713	IVL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14679	ccsbBroad304 14679	S		3716	JAK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14680	ccsbBroad304 14680	S		3717	JAK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14681	ccsbBroad304 14681	S		3718	JAK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14682	ccsbBroad304 14682	I	BC006175	3725	JUN	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14683	ccsbBroad304 14683	I	BC035059	3738	KCNA3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14684	ccsbBroad304 14684	S		3791	KDR	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14685	ccsbBroad304 14685	S		3795	KHK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14686	ccsbBroad304 14686	I	BC041132	3801	KIFC3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14687	ccsbBroad304 14687	I	BC096694	3809	KIR2DS4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14688	ccsbBroad304 14688	S		3932	LCK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14689	ccsbBroad304 14689	S		3984	LIMK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14690	ccsbBroad304 14690	S		3985	LIMK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14691	ccsbBroad304 14691	S		4067	LYN	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14692	ccsbBroad304 14692	S		4117	MAK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14693	ccsbBroad304 14693	S		4140	MARK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14694	ccsbBroad304 14694	S		4145	MATK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14695	ccsbBroad304 14695	S		4217	MAP3K5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14696	ccsbBroad304 14696	S		4233	MET	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14697	ccsbBroad304 14697	I	BC006390	4247	MGAT2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14698	ccsbBroad304 14698	S		4296	MAP3K11	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14699	ccsbBroad304 14699	S		4342	MOS	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14700	ccsbBroad304 14700	S		4354	MPP1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14701	ccsbBroad304 14701	S		4355	MPP2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14702	ccsbBroad304 14702	S		4356	MPP3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14703	ccsbBroad304 14703	S		4486	MST1R	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14704	ccsbBroad304 14704	S		4593	MUSK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14705	ccsbBroad304 14705	S		4598	MVK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14706	ccsbBroad304 14706	454	BC098392	4643	MYO1E	N/A	hORFeome V8.1 Partially Sequenced Subcollection



ccsbBroadEn 14707	ccsbBroad304 14707	I	BC034954	4675	NAP1L3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14708	ccsbBroad304 14708	I	BC001450	4686	NCBP1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14709	ccsbBroad304 14709	I	BC008750	4692	NDN	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14710	ccsbBroad304 14710	S		4751	NEK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14711	ccsbBroad304 14711	S		4752	NEK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14712	ccsbBroad304 14712	I	BC022264	4774	NFIA	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14713	ccsbBroad304 14713	I	BC117113,BC117115	4784	NFIX	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14714	ccsbBroad304 14714	S		4830	NME1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14715	ccsbBroad304 14715	S		4831	NME2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14716	ccsbBroad304 14716	S		4832	NME3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14717	ccsbBroad304 14717	S		4833	NME4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14718	ccsbBroad304 14718	S		4882	NPR2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14719	ccsbBroad304 14719	I	BC131540	4883	NPR3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14720	ccsbBroad304 14720	S		4914	NTRK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14721	ccsbBroad304 14721	S		4915	NTRK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14722	ccsbBroad304 14722	S		4916	NTRK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14723	ccsbBroad304 14723	S		4920	ROR2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14724	ccsbBroad304 14724	S		4921	DDR2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14725	ccsbBroad304 14725	454	BC011581	5007	OSBP	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14726	ccsbBroad304 14726	S		5058	PAK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14727	ccsbBroad304 14727	S		5062	PAK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14728	ccsbBroad304 14728	S		5063	PAK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14729	ccsbBroad304 14729	S		5106	PCK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14730	ccsbBroad304 14730	S		5127	PCTK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14731	ccsbBroad304 14731	S		5128	PCTK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14732	ccsbBroad304 14732	S		5129	PCTK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14733	ccsbBroad304 14733	I	BC008378	5134	PDCD2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14734	ccsbBroad304 14734	S		5156	PDGFRA	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14735	ccsbBroad304 14735	S		5157	PDGFRL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14736	ccsbBroad304 14736	S		5159	PDGFRB	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14737	ccsbBroad304 14737	S		5163	PDK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14738	ccsbBroad304 14738	S		5164	PDK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14739	ccsbBroad304 14739	S		5165	PDK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14740	ccsbBroad304 14740	S		5166	PDK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14741	ccsbBroad304 14741	S		5170	PDPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14742	ccsbBroad304 14742	S		5207	PFKFB1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14743	ccsbBroad304 14743	S		5208	PFKFB2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14744	ccsbBroad304 14744	S		5209	PFKFB3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14745	ccsbBroad304 14745	S		5211	PFKL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14746	ccsbBroad304 14746	S		5213	PFKM	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14747	ccsbBroad304 14747	S		5214	PFKP	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14748	ccsbBroad304 14748	S		5218	PFTK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14749	ccsbBroad304 14749	S		5230	PGK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14750	ccsbBroad304 14750	S		5232	PGK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14751	ccsbBroad304 14751	S		5255	PHKA1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14752	ccsbBroad304 14752	S		5256	PHKA2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14753	ccsbBroad304 14753	I	BC033657	5257	PHKB	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14754	ccsbBroad304 14754	S		5257	PHKB	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14755	ccsbBroad304 14755	S		5260	PHKG1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14756	ccsbBroad304 14756	S		5261	PHKG2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14757	ccsbBroad304 14757	S		5288	PIK3C2G	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14758	ccsbBroad304 14758	S		5289	PIK3C3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14759	ccsbBroad304 14759	S		5290	PIK3CA	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14760	ccsbBroad304 14760	S		5291	PIK3CB	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14761	ccsbBroad304 14761	S		5292	PIM1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14762	ccsbBroad304 14762	S		5294	PIK3CG	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14763	ccsbBroad304 14763	S		5295	PIK3R1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14764	ccsbBroad304 14764	S		5297	PIK4CA	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14765	ccsbBroad304 14765	S		5298	PIK4CB	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14766	ccsbBroad304 14766	S		5305	PIP5K2A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14767	ccsbBroad304 14767	S		5313	PKLR	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14768	ccsbBroad304 14768	S		5315	PKM2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14769	ccsbBroad304 14769	S		5328	PLAU	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14770	ccsbBroad304 14770	S		5347	PLK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14771	ccsbBroad304 14771	S		5394	EXOSC10	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14772	ccsbBroad304 14772	454	BC093921	5395	PMS2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14773	ccsbBroad304 14773	454	BC023503	5431	POLR2B	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14774	ccsbBroad304 14774	454	BC051699	5454	POU3F2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14775	ccsbBroad304 14775	I	BC114620	5493	PPL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14776	ccsbBroad304 14776	S		5562	PRKAA1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14777	ccsbBroad304 14777	S		5563	PRKAA2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14778	ccsbBroad304 14778	S		5564	PRKAB1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14779	ccsbBroad304 14779	S		5565	PRKAB2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14780	ccsbBroad304 14780	S		5566	PRKACA	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14781	ccsbBroad304 14781	S		5567	PRKACB	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14782	ccsbBroad304 14782	S		5568	PRKACG	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14783	ccsbBroad304 14783	S		5571	PRKAG1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14784	ccsbBroad304 14784	S		5573	PRKAR1A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14785	ccsbBroad304 14785	S		5575	PRKAR1B	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14786	ccsbBroad304 14786	S		5576	PRKAR2A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14787	ccsbBroad304 14787	S		5577	PRKAR2B	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14788	ccsbBroad304 14788	S		5578	PRKCA	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14789	ccsbBroad304 14789	S		5579	PRKCB1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14790	ccsbBroad304 14790	S		5581	PRKCE	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14791	ccsbBroad304 14791	S		5582	PRKCG	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14792	ccsbBroad304 14792	S		5583	PRKCH	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14793	ccsbBroad304 14793	S		5584	PRKCI	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14794	ccsbBroad304 14794	S		5587	PRKDI	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14795	ccsbBroad304 14795	S		5588	PRKCQ	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14796	ccsbBroad304 14796	S		5590	PRKCZ	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14797	ccsbBroad304 14797	S		5592	PRKG1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14798	ccsbBroad304 14798	S		5593	PRKG2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 14799	ccsbBroad304 14799	S		5594	MAPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection



ccsbBroadEn 14800	ccsbBroad304 14800	S		5595	MAPK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14801	ccsbBroad304 14801	S		5596	MAPK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14802	ccsbBroad304 14802	S		5597	MAPK6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14803	ccsbBroad304 14803	S		5599	MAPK8	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14804	ccsbBroad304 14804	S		5601	MAPK9	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14805	ccsbBroad304 14805	S		5602	MAPK10	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14806	ccsbBroad304 14806	S		5603	MAPK13	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14807	ccsbBroad304 14807	S		5604	MAP2K1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14808	ccsbBroad304 14808	S		5605	MAP2K2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14809	ccsbBroad304 14809	S		5607	MAP2K5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14810	ccsbBroad304 14810	S		5608	MAP2K6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14811	ccsbBroad304 14811	S		5609	MAP2K7	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14812	ccsbBroad304 14812	S		5610	PRKR	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14813	ccsbBroad304 14813	S		5613	PRKX	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14814	ccsbBroad304 14814	S		5616	PRKY	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14815	ccsbBroad304 14815	S		5631	PRPS1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14816	ccsbBroad304 14816	S		5634	PRPS2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14817	ccsbBroad304 14817	S		5681	PSKH1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14818	ccsbBroad304 14818	S		5747	PTK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14819	ccsbBroad304 14819	S		5753	PTK6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14820	ccsbBroad304 14820	S		5754	PTK7	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14821	ccsbBroad304 14821	S		5756	PTK9	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14822	ccsbBroad304 14822	S		5832	ALDH18A1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14823	ccsbBroad304 14823	S		5871	MAP4K2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14824	ccsbBroad304 14824	S		5891	RAGE	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14825	ccsbBroad304 14825	S		5894	RAF1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14826	ccsbBroad304 14826	I	BC004892	5955	RCN2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14827	ccsbBroad304 14827	S		5979	RET	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14828	ccsbBroad304 14828	S		5987	TRIM27	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14829	ccsbBroad304 14829	S		6102	RP2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14830	ccsbBroad304 14830	S		6195	RPS6KA1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14831	ccsbBroad304 14831	S		6196	RPS6KA2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14832	ccsbBroad304 14832	S		6197	RPS6KA3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14833	ccsbBroad304 14833	S		6198	RPS6KB1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14834	ccsbBroad304 14834	S		6199	RPS6KB2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14835	ccsbBroad304 14835	I	BC011645,BC057815	6236	RRAD	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14836	ccsbBroad304 14836	S		6300	MAPK12	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14837	ccsbBroad304 14837	S		6347	CCL2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14838	ccsbBroad304 14838	S		6351	CCL4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14839	ccsbBroad304 14839	I	BC001303	6427	SRSF2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14840	ccsbBroad304 14840	S		6446	SGK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14841	ccsbBroad304 14841	I	BC008829	6474	SHOX2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14842	ccsbBroad304 14842	I	CCSBS5271	6603	SMARCD2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14843	ccsbBroad304 14843	I	BC002628	6604	SMARCD3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14844	ccsbBroad304 14844	454	BC093865	6658	SOX3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14845	ccsbBroad304 14845	S		6714	SRC	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14846	ccsbBroad304 14846	S		6732	SRPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14847	ccsbBroad304 14847	S		6733	SRPK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14848	ccsbBroad304 14848	454	BC067219	6779	STATH	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14849	ccsbBroad304 14849	S		6787	NEK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14850	ccsbBroad304 14850	S		6788	STK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14851	ccsbBroad304 14851	S		6790	AURKA	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14852	ccsbBroad304 14852	S		6792	CDKL5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14853	ccsbBroad304 14853	S		6794	STK11	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14854	ccsbBroad304 14854	S		6795	AURKC	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14855	Failed LR reaction	S		6850	SYK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14856	ccsbBroad304 14856	S		6885	MAP3K7	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14857	ccsbBroad304 14857	454	BC110579	6929	TCF3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14858	ccsbBroad304 14858	454	BC072396	6983	TRGV9	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14859	Failed LR reaction	S		7006	TEC	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14860	ccsbBroad304 14860	S		7016	TESK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14861	ccsbBroad304 14861	S		7046	TGFBR1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14862	ccsbBroad304 14862	S		7048	TGFBR2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14863	ccsbBroad304 14863	S		7049	TGFBR3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14864	ccsbBroad304 14864	S		7075	TIE1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14865	ccsbBroad304 14865	S		7083	TK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14866	ccsbBroad304 14866	S		7175	TPR	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14867	ccsbBroad304 14867	I	BC005034	7262	PHLDA2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14868	ccsbBroad304 14868	S		7272	TTK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14869	ccsbBroad304 14869	S		7294	TXK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14870	ccsbBroad304 14870	S		7297	TYK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14871	ccsbBroad304 14871	S		7301	TYRO3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14872	ccsbBroad304 14872	I	BC000379	7314	UBB	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14873	ccsbBroad304 14873	I	BC009301,BC046123	7314	UBB	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14874	ccsbBroad304 14874	I	BC104470	7349	UCN	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14875	ccsbBroad304 14875	S		7371	UCK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14876	ccsbBroad304 14876	S		7443	VRK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14877	ccsbBroad304 14877	S		7444	VRK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14878	ccsbBroad304 14878	S		7525	YES1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14879	ccsbBroad304 14879	S		7535	ZAP70	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14880	ccsbBroad304 14880	454	BC036656	7637	ZNF84	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14881	ccsbBroad304 14881	I	BC099661	7678	ZNF124	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14882	ccsbBroad304 14882	454	BC096349	7678	ZNF124	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14883	ccsbBroad304 14883	454	BC074853	7700	ZNF141	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14884	ccsbBroad304 14884	S		7786	MAP3K12	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14885	ccsbBroad304 14885	I	BC029141	7827	NPHS2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14886	ccsbBroad304 14886	I	BC114346	7855	FZD5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14887	ccsbBroad304 14887	S		7867	MAPKAPK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14888	ccsbBroad304 14888	S		8019	BRD3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14889	ccsbBroad304 14889	S		8317	CDC7	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14890	ccsbBroad304 14890	S		8382	NME5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14891	ccsbBroad304 14891	S		8394	PIP5K1A	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14892	ccsbBroad304 14892	S		8395	PIP5K1B	N/A	hORFeome V8.1 Partially Sequenced Subcollection				



ccsbBroadEn 14893	ccsbBroad304 14893	S		8428	STK24	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14894	ccsbBroad304 14894	S		8444	DYRK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14895	ccsbBroad304 14895	S		8445	DYRK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14896	ccsbBroad304 14896	I	BC023144	8467	SMARCA5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14897	ccsbBroad304 14897	S		8491	MAP4K3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14898	ccsbBroad304 14898	I	BC016480	8493	PPM1D	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14899	ccsbBroad304 14899	S		8503	PIK3R3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14900	ccsbBroad304 14900	S		8525	DGKZ	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14901	ccsbBroad304 14901	S		8536	CAMK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14902	ccsbBroad304 14902	S		8550	MAPKAPK5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14903	ccsbBroad304 14903	S		8558	CDK10	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14904	ccsbBroad304 14904	S		8566	PDXK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14905	ccsbBroad304 14905	S		8569	MKNK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14906	ccsbBroad304 14906	S		8573	CASK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14907	ccsbBroad304 14907	S		8576	STK16	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14908	ccsbBroad304 14908	S		8649	MAP2K11P1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14909	Failed LR reaction	S		8711	TNK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14910	ccsbBroad304 14910	S		8737	RIPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14911	ccsbBroad304 14911	S		8767	RIPK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14912	ccsbBroad304 14912	S		8780	RIOK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14913	ccsbBroad304 14913	S		8798	DYRK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14914	ccsbBroad304 14914	S		8814	CDKL1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14915	ccsbBroad304 14915	S		8844	KSR	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14916	ccsbBroad304 14916	S		8851	CDK5R1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14917	ccsbBroad304 14917	S		8859	STK19	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14918	ccsbBroad304 14918	S		8877	SPHK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14919	ccsbBroad304 14919	S		8899	PRPF4B	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14920	ccsbBroad304 14920	S		8986	RPS6KA4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14921	ccsbBroad304 14921	S		8999	CDKL2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14922	ccsbBroad304 14922	S		9020	MAP3K14	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14923	ccsbBroad304 14923	S		9024	BRSK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14924	ccsbBroad304 14924	S		9060	PAPSS2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14925	ccsbBroad304 14925	S		9061	PAPSS1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14926	ccsbBroad304 14926	S		9064	MAP3K6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14927	ccsbBroad304 14927	I	BC096729	9084	VCY	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14928	ccsbBroad304 14928	S		9088	PKMYT1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14929	ccsbBroad304 14929	I	CCSB53168	9108	MTMR7	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14930	ccsbBroad304 14930	S		9113	LATS1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14931	ccsbBroad304 14931	S		9149	DYRK1B	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14932	ccsbBroad304 14932	S		9212	AURKB	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14933	ccsbBroad304 14933	S		9223	MAG1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14934	ccsbBroad304 14934	S		9252	RPS6KA5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14935	ccsbBroad304 14935	S		9261	MAPKAPK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14936	ccsbBroad304 14936	S		9262	STK17B	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14937	ccsbBroad304 14937	I	BC018541	9278	ZBTB22	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14938	ccsbBroad304 14938	I	BC021190	9421	HAND1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14939	ccsbBroad304 14939	I	BC004367	9424	KCNK6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14940	ccsbBroad304 14940	S		9448	MAP4K4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14941	ccsbBroad304 14941	S		9467	SH3BP5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14942	ccsbBroad304 14942	I	BC027886	9630	GNA14	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14943	ccsbBroad304 14943	S		9641	IKBKE	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14944	ccsbBroad304 14944	S		9706	ULK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14945	ccsbBroad304 14945	454	BC150278	9735	KNTC1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14946	ccsbBroad304 14946	S		9807	IHPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14947	ccsbBroad304 14947	S		9874	TLK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14948	ccsbBroad304 14948	S		9942	XYLB	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14949	ccsbBroad304 14949	S		9943	OXSRI	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14950	ccsbBroad304 14950	S		10000	AKT3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14951	ccsbBroad304 14951	S		10020	GENE	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14952	ccsbBroad304 14952	S		10087	COL4A3BP	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14953	ccsbBroad304 14953	I	BC004280,BC011206	10099	TSPAN3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14954	ccsbBroad304 14954	S		10110	SGK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14955	ccsbBroad304 14955	S		10114	HIPK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14956	ccsbBroad304 14956	S		10128	LRPPRC	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14957	ccsbBroad304 14957	S		10201	NME6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14958	ccsbBroad304 14958	S		10221	TRIB1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14959	ccsbBroad304 14959	S		10295	BCKDK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14960	ccsbBroad304 14960	S		10298	PAK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14961	ccsbBroad304 14961	I	CCSB53190	10357	HMGB1P1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14962	ccsbBroad304 14962	S		10420	TESK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14963	ccsbBroad304 14963	I	BC001779,BC012134	10452	TOMM40	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14964	ccsbBroad304 14964	S		10461	MERTK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14965	ccsbBroad304 14965	I	BC008745	10491	CRTAP	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14966	ccsbBroad304 14966	S		10494	STK25	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14967	ccsbBroad304 14967	S		10519	CIB1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14968	ccsbBroad304 14968	I	BC001047,BC011701	10609	LEPREL4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14969	ccsbBroad304 14969	I	BC058077	10633	RASL10A	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14970	ccsbBroad304 14970	S		10645	CAMKK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14971	ccsbBroad304 14971	S		10654	PMVK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14972	ccsbBroad304 14972	I	BC113418	10716	TBR1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14973	ccsbBroad304 14973	S		10733	PLK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14974	ccsbBroad304 14974	S		10746	MAP3K2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14975	ccsbBroad304 14975	S		10769	PLK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14976	ccsbBroad304 14976	I	BC051828	10777	ARPP21	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14977	ccsbBroad304 14977	I	BC017710	10778	ZNF271	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14978	ccsbBroad304 14978	S		10783	NEK6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14979	ccsbBroad304 14979	S		10922	FASTK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14980	ccsbBroad304 14980	I	BC001008,BC030249	10949	HNRNPA0	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14981	ccsbBroad304 14981	I	BC006335	10965	ACOT2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14982	ccsbBroad304 14982	454	BC082972	10970	CKAP4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14983	ccsbBroad304 14983	I	BC025704	10990	LILRB5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14984	ccsbBroad304 14984	S		11011	TLK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 14985	ccsbBroad304 14985	S		11040	PIM2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				



ccsbBroadEn_14986	ccsbBroad304_14986	I	CCSB53174	11042	SMA5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14987	ccsbBroad304_14987	S		11183	MAP4K5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14988	ccsbBroad304_14988	S		11184	MAP4K1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14989	ccsbBroad304_14989	S		11200	CHEK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14990	ccsbBroad304_14990	S		11213	IRAK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14991	ccsbBroad304_14991	I	BC053581	11247	NXP4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14992	ccsbBroad304_14992	S		11284	PNKP	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14993	ccsbBroad304_14993	S		11329	STK38	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14994	ccsbBroad304_14994	S		11344	TWF2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14995	ccsbBroad304_14995	454	BC005174	22809	ATF5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14996	ccsbBroad304_14996	S		22848	AAK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14997	ccsbBroad304_14997	S		22853	LMTK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14998	ccsbBroad304_14998	S		22868	FASTKD2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_14999	ccsbBroad304_14999	S		22901	ARSG	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15000	ccsbBroad304_15000	S		22928	SEPHS2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15001	ccsbBroad304_15001	I	CCSB53262	22930	RAB3GAP1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15002	ccsbBroad304_15002	S		22983	MAST1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15003	ccsbBroad304_15003	S		23012	STK38L	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15004	ccsbBroad304_15004	454	BC146791	23026	MYO16	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15005	ccsbBroad304_15005	S		23097	CDC2L6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15006	ccsbBroad304_15006	I	BC036263	23117	NPIPL3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15007	ccsbBroad304_15007	S		23139	MAST2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15008	ccsbBroad304_15008	I	BC132724	23203	PMPCA	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15009	ccsbBroad304_15009	S		23300	ASCIZ	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15010	ccsbBroad304_15010	I	BC017075	23373	CRTC1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15011	ccsbBroad304_15011	S		23387	KIAA0999	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15012	ccsbBroad304_15012	I	BC028168	23463	ICMT	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15013	ccsbBroad304_15013	S		23476	BRD4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15014	ccsbBroad304_15014	S		23533	PIK3R5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15015	ccsbBroad304_15015	S		23552	CCRK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15016	ccsbBroad304_15016	S		23604	DAPK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15017	ccsbBroad304_15017	S		23617	TSSK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15018	ccsbBroad304_15018	I	BC035330	23630	KCNE1L	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15019	ccsbBroad304_15019	S		23636	NUP62	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15020	ccsbBroad304_15020	S		23654	PLXNB2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15021	ccsbBroad304_15021	S		23677	SH3BP4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15022	ccsbBroad304_15022	S		23678	SGK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15023	ccsbBroad304_15023	S		23683	PRKD3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15024	ccsbBroad304_15024	S		23729	CARKL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15025	ccsbBroad304_15025	I	BC117411	25778	DSTYK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15026	ccsbBroad304_15026	S		25778	RIPK5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15027	ccsbBroad304_15027	I	BC017706	25796	PGLS	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15028	ccsbBroad304_15028	S		25865	PRKD2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15029	ccsbBroad304_15029	I	BC109311	25924	MYRIP	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15030	ccsbBroad304_15030	S		25989	ULK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15031	ccsbBroad304_15031	S		26007	DAK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15032	ccsbBroad304_15032	I	BC047716	26033	ATRLN1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15033	ccsbBroad304_15033	I	BC096718	26083	TBC1D29	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15034	ccsbBroad304_15034	S		26353	HSPB8	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15035	ccsbBroad304_15035	454	BC098307	26507	CNNM1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15036	ccsbBroad304_15036	S		26524	LATS2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15037	ccsbBroad304_15037	S		26576	SRPK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15038	ccsbBroad304_15038	S		26750	RPS6KC1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15039	ccsbBroad304_15039	S		27010	TPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15040	ccsbBroad304_15040	S		27102	EIF2AK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15041	ccsbBroad304_15041	S		27148	STK36	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15042	ccsbBroad304_15042	454	BC101575	27231	ITGB1BP3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15043	ccsbBroad304_15043	S		27231	ITGB1BP3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15044	ccsbBroad304_15044	S		27330	RPS6KA6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15045	ccsbBroad304_15045	454	BC073930	28568	TRBV19	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15046	ccsbBroad304_15046	454	BC110303	28602	TRBV6-5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15047	ccsbBroad304_15047	454	BC070387	28619	TRBV3-1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15048	ccsbBroad304_15048	S		28951	TRIB2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15049	ccsbBroad304_15049	S		28996	HIPK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15050	ccsbBroad304_15050	S		29110	TBK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15051	ccsbBroad304_15051	S		29904	EEF2K	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15052	ccsbBroad304_15052	S		29922	NME7	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15053	ccsbBroad304_15053	S		29959	NRBP	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15054	ccsbBroad304_15054	S		30849	PIK3R4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15055	ccsbBroad304_15055	S		50488	MINK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15056	ccsbBroad304_15056	454	BC157845	50614	GALNT9	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15057	ccsbBroad304_15057	S		50808	AK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15058	ccsbBroad304_15058	I	BC114435	50937	CDON	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15059	ccsbBroad304_15059	S		51086	TNNI3K	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15060	Failed LR reaction	S		51135	IRAK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15061	ccsbBroad304_15061	S		51231	VRK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15062	ccsbBroad304_15062	S		51265	CDKL3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15063	ccsbBroad304_15063	S		51314	TXNDC3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15064	ccsbBroad304_15064	454	BC001311	51337	C8orf55	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15065	ccsbBroad304_15065	S		51347	TAOK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15066	ccsbBroad304_15066	S		51422	PRKAG2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15067	ccsbBroad304_15067	454	BC047243	51427	ZNF107	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15068	ccsbBroad304_15068	S		51447	IHPK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15069	ccsbBroad304_15069	454	BC073797	51561	IL23A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15070	ccsbBroad304_15070	I	BC001398	51629	SLC25A39	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15071	ccsbBroad304_15071	S		51678	MPP6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15072	ccsbBroad304_15072	I	BC013291	51684	SUFU	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15073	ccsbBroad304_15073	S		51701	NLK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15074	ccsbBroad304_15074	S		51765	RP6-213H9.1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15075	ccsbBroad304_15075	S		51776	ZAK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15076	ccsbBroad304_15076	I	BC098282	51804	SIX4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15077	ccsbBroad304_15077	S		53632	PRKAG3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn_15078	ccsbBroad304_15078	S		53834	FGFRL1	N/A	hORFeome V8.1 Partially Sequenced Subcollection



ccsbBroadEn 15079	ccsbBroad304 15079	S		53944	CSNK1G1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15080	ccsbBroad304 15080	S		54103	LOC54103	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15081	ccsbBroad304 15081	S		54822	TRPM7	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15082	ccsbBroad304 15082	S		54861	SNRK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15083	ccsbBroad304 15083	I	BC006340	54877	ZCCHC2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15084	ccsbBroad304 15084	S		54899	PXK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15085	ccsbBroad304 15085	I	BC039252	54932	EXD3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15086	ccsbBroad304 15086	S		54981	C9orf95	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15087	ccsbBroad304 15087	S		54986	ULK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15088	ccsbBroad304 15088	I	BC022464	55079	FEZF2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15089	ccsbBroad304 15089	I	BC007803,BC014101	55210	ATAD3A	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15090	ccsbBroad304 15090	S		55224	ETNK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15091	ccsbBroad304 15091	S		55229	PANK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15092	ccsbBroad304 15092	I	BC015722	55262	C7orf43	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15093	ccsbBroad304 15093	S		55277	FLJ10986	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15094	ccsbBroad304 15094	S		55300	P14K2B	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15095	ccsbBroad304 15095	S		55312	RFK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15096	ccsbBroad304 15096	S		55351	STK32B	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15097	ccsbBroad304 15097	S		55359	STYK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15098	ccsbBroad304 15098	S		55361	P14K11	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15099	ccsbBroad304 15099	S		55500	ETNK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15100	ccsbBroad304 15100	S		55558	PLXNA3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15101	ccsbBroad304 15101	S		55561	CDC42BPG	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15102	ccsbBroad304 15102	I	BC007338	55573	CDV3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15103	ccsbBroad304 15103	S		55577	NAGK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15104	ccsbBroad304 15104	S		55589	BMP2K	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15105	ccsbBroad304 15105	I	BC007351	55603	FAM46A	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15106	ccsbBroad304 15106	S		55681	SCYL2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15107	Failed LR reaction	S		55750	AGK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15108	ccsbBroad304 15108	I	BC063032	55769	ZNF83	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15109	ccsbBroad304 15109	S		55781	RIOK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15110	ccsbBroad304 15110	S		55872	PBK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15111	ccsbBroad304 15111	I	BC006219	55897	MESP1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15112	ccsbBroad304 15112	454	BC045637	56124	PCDHB12	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15113	ccsbBroad304 15113	S		56848	SPHK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15114	ccsbBroad304 15114	S		56924	PAK6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15115	ccsbBroad304 15115	454	BC105025	56936	C14orf162	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15116	ccsbBroad304 15116	S		56997	CABC1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15117	ccsbBroad304 15117	I	BC022001	57092	PCNP	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15118	ccsbBroad304 15118	S		57118	CAMK1D	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15119	ccsbBroad304 15119	S		57143	ADCK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15120	ccsbBroad304 15120	S		57144	PAK7	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15121	ccsbBroad304 15121	S		57147	SCYL3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15122	ccsbBroad304 15122	S		57172	CAMK1G	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15123	ccsbBroad304 15123	S		57410	SCYL1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15124	ccsbBroad304 15124	I	BC111690	57758	SCUBE2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15125	ccsbBroad304 15125	S		57761	TRIB3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15126	ccsbBroad304 15126	S		58538	MPP4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15127	ccsbBroad304 15127	S		60493	FASTKD5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15128	ccsbBroad304 15128	454	BC093874	60598	KCNK15	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15129	ccsbBroad304 15129	I	BC033838	60677	CELF6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15130	ccsbBroad304 15130	S		64080	RBKS	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15131	ccsbBroad304 15131	S		64089	SNX16	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15132	Failed LR reaction	S		64122	FN3K	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15133	ccsbBroad304 15133	S		64149	NJMU-R1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15134	ccsbBroad304 15134	I	BC065241	64288	ZNF323	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15135	ccsbBroad304 15135	S		64398	MPP5	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15136	ccsbBroad304 15136	I	BC098365	64427	TTC31	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15137	ccsbBroad304 15137	S		64768	IPPK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15138	ccsbBroad304 15138	S		65018	PINK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15139	ccsbBroad304 15139	S		65061	ALS2CR7	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15140	ccsbBroad304 15140	S		65125	WNK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15141	ccsbBroad304 15141	S		65220	NADK	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15142	ccsbBroad304 15142	S		65266	WNK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15143	ccsbBroad304 15143	S		65975	STK33	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15144	ccsbBroad304 15144	S		79012	CAMKV	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15145	ccsbBroad304 15145	S		79072	FASTKD3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15146	ccsbBroad304 15146	I	BC065009	79175	ZNF343	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15147	ccsbBroad304 15147	454	BC136576	79190	IRX6	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15148	ccsbBroad304 15148	S		79646	PANK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15149	ccsbBroad304 15149	S		79672	FN3KRP	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15150	ccsbBroad304 15150	S		79675	FASTKD1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15151	ccsbBroad304 15151	I	BC037988	79778	MICALL2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15152	ccsbBroad304 15152	S		79834	KIAA2002	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15153	ccsbBroad304 15153	I	BC099847	79836	LONRF3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15154	ccsbBroad304 15154	S		79837	PIP5K2C	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15155	ccsbBroad304 15155	S		79858	NEK11	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15156	ccsbBroad304 15156	S		79877	DCAKD	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15157	ccsbBroad304 15157	454	BC057776	79898	ZNF613	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15158	ccsbBroad304 15158	S		79934	ADCK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15159	ccsbBroad304 15159	I	BC052978	79990	PLEKHH3	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15160	ccsbBroad304 15160	S		80025	PANK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15161	ccsbBroad304 15161	I	BC015619	80115	BAIAP2L2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15162	ccsbBroad304 15162	S		80122	YSK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15163	ccsbBroad304 15163	I	BC011613	80142	PTGES2	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15164	ccsbBroad304 15164	454	BC137387	80157	CWH43	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15165	ccsbBroad304 15165	S		80201	HKDC1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15166	ccsbBroad304 15166	S		80216	ALPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15167	ccsbBroad304 15167	I	BC111776	80264	ZNF430	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15168	ccsbBroad304 15168	I	BC002449	80303	EFHD1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15169	ccsbBroad304 15169	S		80347	COASY	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15170	ccsbBroad304 15170	454	BC062581	80381	CD276	N/A	hORFeome V8.1 Partially Sequenced Subcollection				
ccsbBroadEn 15171	ccsbBroad304 15171	454	BC053599	80712	ESX1	N/A	hORFeome V8.1 Partially Sequenced Subcollection				



ccsbBroadEn 15172	ccsbBroad304 15172	I	BC051743	80829	ZFP91	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15173	ccsbBroad304 15173	S		80851	SH3BP5L	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15174	ccsbBroad304 15174	I	BC037572	81558	FAM117A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15175	ccsbBroad304 15175	S		81629	TSSK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15176	ccsbBroad304 15176	S		81788	NUAK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15177	ccsbBroad304 15177	454	BC101066	83416	FCRL5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15178	ccsbBroad304 15178	S		83440	ADPGK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15179	ccsbBroad304 15179	I	BC014599	83659	TEKT1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15180	ccsbBroad304 15180	S		83694	RPS6KL1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15181	ccsbBroad304 15181	S		83732	RIOK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15182	ccsbBroad304 15182	I	BC067464	83873	GPR61	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15183	ccsbBroad304 15183	I	BC113441	83881	MIXL1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15184	ccsbBroad304 15184	I	BC117287	83899	KRTAP9-2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15185	ccsbBroad304 15185	S		83903	GSG2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15186	ccsbBroad304 15186	S		83931	STK40	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15187	ccsbBroad304 15187	S		83942	TSSK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15188	ccsbBroad304 15188	S		83983	TSSK6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15189	ccsbBroad304 15189	I	BC020563	84126	ATRIP	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15190	ccsbBroad304 15190	S		84197	FLJ23356	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15191	ccsbBroad304 15191	S		84206	RKHD3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15192	ccsbBroad304 15192	454	BC034983	84253	GARNL3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15193	ccsbBroad304 15193	S		84254	CAMKK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15194	ccsbBroad304 15194	I	BC015008	84264	HAGHL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15195	ccsbBroad304 15195	S		84284	C1orf57	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15196	ccsbBroad304 15196	S		84433	CARD11	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15197	ccsbBroad304 15197	S		84446	BRSK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15198	ccsbBroad304 15198	I	BC032612	84619	ZGPAT	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15199	ccsbBroad304 15199	I	BC012191	84752	B3GNT9	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15200	ccsbBroad304 15200	I	BC024738	84878	ZBTB45	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15201	ccsbBroad304 15201	S		84930	MASTL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15202	ccsbBroad304 15202	I	BC032652	84954	MPND	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15203	ccsbBroad304 15203	S		85366	MYLK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15204	ccsbBroad304 15204	I	BC045630	85453	TSPYL5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15205	ccsbBroad304 15205	I	BC113552,BC113554	89792	GAL3ST3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15206	ccsbBroad304 15206	S		89882	NYD-SP25	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15207	ccsbBroad304 15207	I	BC032857	90594	ZNF439	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15208	ccsbBroad304 15208	S		90956	ADCK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15209	ccsbBroad304 15209	S		91156	DKFZp434B1231	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15210	ccsbBroad304 15210	S		91419	XRCC6BP1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15211	ccsbBroad304 15211	I	BC110513	91461	PKDCC	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15212	ccsbBroad304 15212	S		91461	LOC91461	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15213	ccsbBroad304 15213	S		91584	PLXNA4B	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15214	ccsbBroad304 15214	S		91754	NEK9	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15215	ccsbBroad304 15215	S		91807	LOC91807	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15216	ccsbBroad304 15216	I	BC113655	91828	C14orf73	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15217	ccsbBroad304 15217	S		92335	LYK5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15218	ccsbBroad304 15218	S		93627	MGC16169	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15219	ccsbBroad304 15219	I	BC015921	94059	LENG9	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15220	ccsbBroad304 15220	S		112858	TP53RK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15221	ccsbBroad304 15221	I	BC011824	113179	ADAT3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15222	ccsbBroad304 15222	I	BC031099	113828	FAM83F	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15223	ccsbBroad304 15223	I	BC117117	114134	SLC2A13	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15224	ccsbBroad304 15224	454	BC052950	114787	GPRIN1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15225	ccsbBroad304 15225	S		114836	SLAMF6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15226	ccsbBroad304 15226	I	BC035628	114900	C1QTNF4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15227	ccsbBroad304 15227	S		115701	ALPK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15228	ccsbBroad304 15228	I	BC012330	116071	BATF2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15229	ccsbBroad304 15229	S		117283	IHPK3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15230	ccsbBroad304 15230	I	BC100797	120425	AMICA1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15231	ccsbBroad304 15231	S		120892	LRRK2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15232	ccsbBroad304 15232	S		122011	CSNK1A1L	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15233	ccsbBroad304 15233	S		122481	AK7	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15234	ccsbBroad304 15234	I	BC132671	123283	TARSL2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15235	ccsbBroad304 15235	S		124923	FLJ25006	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15236	ccsbBroad304 15236	I	BC035760	126070	ZNF440	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15237	ccsbBroad304 15237	I	C5S53365	126859	C1orf125	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15238	ccsbBroad304 15238	S		127933	UHMK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15239	ccsbBroad304 15239	I	BC032818	128864	C20orf144	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15240	ccsbBroad304 15240	I	BC066909	129138	ANKRD54	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15241	ccsbBroad304 15241	S		130106	CIB4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15242	ccsbBroad304 15242	S		130399	ACVR1C	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15243	ccsbBroad304 15243	454	BC053533	130916	MTERFD2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15244	ccsbBroad304 15244	S		131890	GRK7	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15245	ccsbBroad304 15245	S		132158	GLYCTK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15246	ccsbBroad304 15246	I	BC126449	134353	LSM11	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15247	ccsbBroad304 15247	S		136332	LRGUK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15248	ccsbBroad304 15248	I	BC028166	137682	C8orf38	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15249	ccsbBroad304 15249	S		138429	PIP5KL1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15250	ccsbBroad304 15250	454	BC137319	139189	DGKK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15251	ccsbBroad304 15251	S		139189	DGKK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15252	ccsbBroad304 15252	S		139728	PNCK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15253	ccsbBroad304 15253	S		140469	MYO3B	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15254	ccsbBroad304 15254	S		140609	NEK7	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15255	ccsbBroad304 15255	S		143098	MPP7	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15256	ccsbBroad304 15256	I	BC103904	147660	ZNF578	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15257	ccsbBroad304 15257	I	BC025783	147687	ZNF417	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15258	ccsbBroad304 15258	S		147746	HIPK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15259	ccsbBroad304 15259	I	BC029539	148014	TTC9B	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15260	ccsbBroad304 15260	I	BC117219	148266	ZNF569	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15261	ccsbBroad304 15261	I	BC130507,BC130511	149018	LELP1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15262	ccsbBroad304 15262	S		149420	PDIK1L	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15263	ccsbBroad304 15263	I	BC029888	149483	CCDC17	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15264	ccsbBroad304 15264	S		150094	SNF1LK	N/A	hORFeome V8.1 Partially Sequenced Subcollection



ccsbBroadEn 15265	ccsbBroad304 15265	I	CCSB53304	150472	CBWD2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15266	ccsbBroad304 15266	I	BC114525	150696	PROM2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15267	ccsbBroad304 15267	454	BC017943	151242	PPP1R1C	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15268	ccsbBroad304 15268	S		152110	NEK10	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15269	ccsbBroad304 15269	I	BC126477,BC126479	152641	C4orf38	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15270	ccsbBroad304 15270	S		157285	DKFZp761P0423	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15271	ccsbBroad304 15271	S		158067	C9orf98	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15272	ccsbBroad304 15272	I	BC029861	162137	MGC34800	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15273	ccsbBroad304 15273	I	BC035579	163227	ZNF100	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15274	ccsbBroad304 15274	I	CCSB53147	164045	HFM1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15275	ccsbBroad304 15275	454	BC101758	164284	APCDD1L	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15276	ccsbBroad304 15276	S		166614	DCAMKL2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15277	ccsbBroad304 15277	S		167359	MGC42105	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15278	ccsbBroad304 15278	I	BC040594	168374	ZNF92	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15279	ccsbBroad304 15279	I	BC033523	168417	ZNF679	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15280	ccsbBroad304 15280	I	BC103910	192134	B3GNT6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15281	ccsbBroad304 15281	S		197258	FUK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15282	ccsbBroad304 15282	I	CCSB53353	200030	NBPF11	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15283	ccsbBroad304 15283	S		200576	PIP5K3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15284	ccsbBroad304 15284	S		202374	STK32A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15285	ccsbBroad304 15285	I	CCSB53382	203190	LGI3	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15286	ccsbBroad304 15286	I	BC036057	204851	HIPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15287	ccsbBroad304 15287	S		204851	HIPK1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15288	ccsbBroad304 15288	I	BC032621	220202	ATO7	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15289	ccsbBroad304 15289	S		220686	LOC220686	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15290	ccsbBroad304 15290	I	BC032706	221416	C6orf223	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15291	ccsbBroad304 15291	S		221823	PRPS1L1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15292	ccsbBroad304 15292	S		225689	MAPK15	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15293	ccsbBroad304 15293	S		253430	IPMK	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15294	ccsbBroad304 15294	I	CCSB53330	253558	LCLAT1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15295	ccsbBroad304 15295	S		256356	GK5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15296	ccsbBroad304 15296	S		282974	STK32C	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15297	ccsbBroad304 15297	S		283455	KSR2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15298	ccsbBroad304 15298	S		284086	NEK8	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15299	ccsbBroad304 15299	I	BC017256	284459	HKR1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15300	ccsbBroad304 15300	S		285220	EPHA6	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15301	ccsbBroad304 15301	S		285962	FLJ40852	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15302	ccsbBroad304 15302	454	BC015152	285971	ZNF775	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15303	ccsbBroad304 15303	454	BC100938	338398	TAS2R60	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15304	ccsbBroad304 15304	I	BC008178,BC010188	339047	LOC339047	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15305	ccsbBroad304 15305	S		340156	LOC340156	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15306	ccsbBroad304 15306	S		340371	LOC340371	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15307	ccsbBroad304 15307	S		341676	NEK5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15308	ccsbBroad304 15308	S		344387	CDKL4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15309	ccsbBroad304 15309	I	BC101127	347148	QRFP	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15310	ccsbBroad304 15310	S		347359	BMP2KL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15311	ccsbBroad304 15311	I	BC119707	353139	LCE2A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15312	ccsbBroad304 15312	I	BC130603,BC130605	353141	LCE2D	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15313	ccsbBroad304 15313	I	CCSB53145	374650	GOLGA6L5	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15314	ccsbBroad304 15314	S		375133	LOC375133	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15315	ccsbBroad304 15315	S		378464	MORN2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15316	ccsbBroad304 15316	I	BC132743	386617	KCTD8	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15317	ccsbBroad304 15317	I	BC117159,BC117185	387332	TBPL2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15318	ccsbBroad304 15318	454	BC062331	387793	LOC387793	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15319	ccsbBroad304 15319	454	BC140848	388512	CLEC17A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15320	ccsbBroad304 15320	S		388957	LOC388957	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15321	Failed LR reaction	S		389599	LOC389599	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15322	ccsbBroad304 15322	S		389840	MAP3K15	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15323	ccsbBroad304 15323	S		390877	LOC390877	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15324	ccsbBroad304 15324	I	CCSB53213	392307	C9orf128	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15325	ccsbBroad304 15325	I	BC107478	394263	MUC21	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15326	ccsbBroad304 15326	I	CCSB53201	401508	FAM74A4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15327	ccsbBroad304 15327	S		440275	EIF2AK4	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15328	ccsbBroad304 15328	454	BC041364	441194	PMS2CL	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15329	ccsbBroad304 15329	S		442075	LOC442075	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15330	ccsbBroad304 15330	454	BC105589	445347	TARP	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15331	ccsbBroad304 15331	S		548596	CKMT1A	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15332	ccsbBroad304 15332	S		646505	LOC646505	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15333	ccsbBroad304 15333	S		647279	LOC647279	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15334	ccsbBroad304 15334	S		648152	LOC648152	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15335	ccsbBroad304 15335	S		649288	LOC649288	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15336	ccsbBroad304 15336	S		650122	LOC650122	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15337	ccsbBroad304 15337	S		652722	LOC652722	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15338	ccsbBroad304 15338	S		652799	LOC652799	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15339	ccsbBroad304 15339	S		653052	LOC653052	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15340	ccsbBroad304 15340	S		653155	LOC653155	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15341	ccsbBroad304 15341	S		654364	NME1-NME2	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15342	ccsbBroad304 15342	S		727761	LOC727761	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15343	ccsbBroad304 15343	454	BC086308	728841	NBPF8	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15344	ccsbBroad304 15344	S		730000	LOC730000	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15345	ccsbBroad304 15345	S		732306	LOC732306	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15346	ccsbBroad304 15346	I	BC119676	100287333	FAM27E1	N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15347	ccsbBroad304 15347	I				N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15348	ccsbBroad304 15348	I				N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15349	ccsbBroad304 15349	I				N/A	hORFeome V8.1 Partially Sequenced Subcollection
ccsbBroadEn 15350	ccsbBroad304 15350	U	BC062779	21	ABCA3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15351	ccsbBroad304 15351	U	BC012050,BC053572	71	ACTG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15352	ccsbBroad304 15352	U	BC040224	205	AK4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15353	ccsbBroad304 15353	U	BC035969	213	ALB	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15354	ccsbBroad304 15354	U	BC005387	231	AKR1B1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15355	ccsbBroad304 15355	U	BC008813	244	ANXA8L2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15356	ccsbBroad304 15356	U	BC007606,BC012164	332	BIRC5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15357	ccsbBroad304 15357	U	BC113596	337	APOA4	N/A	hORFeome V8.1 Unsequenced Subcollection



ccsbBroadEn 15358	ccsbBroad304 15358	U	BC002466	369	ARAF	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15359	ccsbBroad304 15359	U	BC075799	394	ARHGAP5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15360	ccsbBroad304 15360	U	BC016674	406	ARNTL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15361	ccsbBroad304 15361	U	BC066929	444	ASPH	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15362	ccsbBroad304 15362	U	BC008090,BC024775	468	ATF4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15363	ccsbBroad304 15363	U	BC016046,BC064562	498	ATP5A1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15364	ccsbBroad304 15364	U	BC005960	515	ATP5F1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15365	Failed LR reaction	U	BC035978	525	ATP6V1B1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15366	ccsbBroad304 15366	U	BC007759	527	ATP6VOC	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15367	ccsbBroad304 15367	U	BC126428	580	BARD1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15368	ccsbBroad304 15368	U	BC036364	637	BID	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15369	ccsbBroad304 15369	U	BC132913	731	C8A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15370	ccsbBroad304 15370	U	BC031097	754	PTTG1IP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15371	ccsbBroad304 15371	U	BC069744	767	CA8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15372	Failed LR reaction	U	BC047553	805	CALM2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15373	ccsbBroad304 15373	U	BC008751	823	CAPN1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15374	ccsbBroad304 15374	U	BC000592,BC023643	826	CAPNS1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15375	ccsbBroad304 15375	U	BC018931	826	CAPNS1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15376	ccsbBroad304 15376	U	BC008095,BC012305	832	CAPZB	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15377	ccsbBroad304 15377	U	BC000440	875	CBS	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15378	ccsbBroad304 15378	U	BC126467	911	CD1C	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15379	ccsbBroad304 15379	U	BC130485	957	ENTPD5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15380	ccsbBroad304 15380	U	BC005298	1022	CDK7	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15381	ccsbBroad304 15381	U	BC001935,BC013967	1026	CDKN1A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15382	ccsbBroad304 15382	U	BC020782,BC055080	1081	CGA	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15383	ccsbBroad304 15383	U	BC130615	1103	CHAT	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15384	ccsbBroad304 15384	U	BC069703	1142	CHRN3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15385	ccsbBroad304 15385	U	BC006103	1198	CLK3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15386	ccsbBroad304 15386	U	BC012359	1209	CLPTM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15387	ccsbBroad304 15387	U	BC001362,BC028040	1267	CNP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15388	ccsbBroad304 15388	U	BC009837	1398	CRK	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15389	ccsbBroad304 15389	U	BC020766	1401	CRP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15390	ccsbBroad304 15390	U	BC057768	1442	CSH1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15391	ccsbBroad304 15391	U	BC002486	1488	CTBP2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15392	ccsbBroad304 15392	U	BC062997	1586	CYP17A1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15393	ccsbBroad304 15393	U	BC128535	1589	CYP21A2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15394	ccsbBroad304 15394	U	BC067447	1600	DAB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15395	ccsbBroad304 15395	U	BC063574	1646	AKR1C2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15396	ccsbBroad304 15396	U	BC005236	1678	TIMM8A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15397	ccsbBroad304 15397	U	BC000333	1725	DHPS	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15398	ccsbBroad304 15398	U	BC009928	1736	DKC1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15399	ccsbBroad304 15399	U	BC022540	1780	DYNC111	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15400	ccsbBroad304 15400	U	BC071651	1797	DOM3Z	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15401	ccsbBroad304 15401	U	BC052211	1890	TYMP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15402	ccsbBroad304 15402	U	BC029269	1912	PHC2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15403	ccsbBroad304 15403	U	BC067787	1933	EEF1B2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15404	ccsbBroad304 15404	U	BC009907	1936	EEF1D	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15405	ccsbBroad304 15405	U	BC013918	1937	EEF1G	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15406	ccsbBroad304 15406	U	BC000384,BC031012	1937	EEF1G	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15407	ccsbBroad304 15407	U	BC013708	1974	EIF4A2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15408	ccsbBroad304 15408	U	BC033043	2009	EML1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15409	ccsbBroad304 15409	U	BC015869	2034	EPAS1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15410	ccsbBroad304 15410	U	BC008346	2068	ERCC2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15411	ccsbBroad304 15411	U	BC042954	2114	ETS2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15412	ccsbBroad304 15412	U	BC011048	2130	EWSR1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15413	ccsbBroad304 15413	U	BC072442	2130	EWSR1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15414	ccsbBroad304 15414	U	BC017865	2214	FCGR3A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15415	ccsbBroad304 15415	U	BC029641	2222	FDFT1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15416	ccsbBroad304 15416	U	BC006192,BC006529	2305	FOXM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15417	ccsbBroad304 15417	U	BC037295	2339	FNTA	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15418	ccsbBroad304 15418	U	BC008439,BC018990	2512	FTL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15419	ccsbBroad304 15419	U	BC013928	2512	FTL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15420	ccsbBroad304 15420	U	BC067772	2512	FTL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15421	ccsbBroad304 15421	U	BC036080	2553	GABPB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15422	ccsbBroad304 15422	U	BC016910	2553	GABPB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15423	ccsbBroad304 15423	U	BC047746	2589	GALNT1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15424	ccsbBroad304 15424	U	BC006839	2625	GATA3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15425	ccsbBroad304 15425	U	BC003070	2625	GATA3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15426	ccsbBroad304 15426	U	BC069326	2678	GGT1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15427	ccsbBroad304 15427	U	BC128238	2678	GGT1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15428	ccsbBroad304 15428	U	BC022487	2729	GCLC	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15429	ccsbBroad304 15429	U	BC011852	2752	GLUL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15430	ccsbBroad304 15430	U	BC012138	2771	GNAI2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15431	ccsbBroad304 15431	U	BC002722	2778	GNAS	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15432	ccsbBroad304 15432	U	BC117298	2830	GPR6	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15433	ccsbBroad304 15433	U	BC067482	2832	NPBWR2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15434	ccsbBroad304 15434	U	BC028736	2891	GRIA2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15435	ccsbBroad304 15435	U	BC130526	2914	GRM4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15436	ccsbBroad304 15436	U	BC030253	2947	GSTM3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15437	ccsbBroad304 15437	U	BC013007	2962	GTF2F1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15438	ccsbBroad304 15438	U	BC005345	2966	GTF2H2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15439	ccsbBroad304 15439	U	BC003182	2997	GYS1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15440	ccsbBroad304 15440	U	BC010913	3047	HBG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15441	ccsbBroad304 15441	U	BC022308	3082	HGF	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15442	ccsbBroad304 15442	U	BC006492	3084	NRG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15443	ccsbBroad304 15443	U	BC019236	3105	HLA-A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15444	ccsbBroad304 15444	U	BC007814	3107	HLA-C	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15445	ccsbBroad304 15445	U	BC015000	3115	HLA-DPB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15446	ccsbBroad304 15446	U	BC033827	3123	HLA-DRB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15447	ccsbBroad304 15447	U	BC008403	3123	HLA-DRB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15448	ccsbBroad304 15448	U	BC005907	3176	HNMT	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15449	ccsbBroad304 15449	U	BC003394,BC066932	3183	HNRNPC	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15450	ccsbBroad304 15450	U	BC008364	3183	HNRNPC	N/A	hORFeome V8.1 Unsequenced Subcollection



ccsbBroadEn 15451	ccsbBroad304 15451	U	BC023977	3184	HNRNPD	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15452	ccsbBroad304 15452	U	BC016736	3185	HNRNPF	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15453	ccsbBroad304 15453	U	BC030592	3267	AGFG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15454	ccsbBroad304 15454	U	BC047056	3300	DNAJB2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15455	ccsbBroad304 15455	U	BC019816	3312	HSPA8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15456	ccsbBroad304 15456	U	BC023006	3320	HSP90AA1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15457	ccsbBroad304 15457	U	BC014485,BC016753	3326	HSP90AB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15458	ccsbBroad304 15458	U	BC067082	3329	HSPD1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15459	ccsbBroad304 15459	U	BC005922	3382	ICA1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15460	ccsbBroad304 15460	U	BC006999	3422	IDI1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15461	ccsbBroad304 15461	U	BC113640	3441	IFNA4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15462	ccsbBroad304 15462	U	BC019337	3500	IGHG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15463	ccsbBroad304 15463	U	BC014258	3500	IGHG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15464	ccsbBroad304 15464	U	BC014667	3500	IGHG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15465	ccsbBroad304 15465	U	BC025314	3500	IGHG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15466	ccsbBroad304 15466	U	BC018747	3500	IGHG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15467	ccsbBroad304 15467	U	BC006642	3500	IGHG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15468	ccsbBroad304 15468	U	BC064496	3500	IGHG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15469	ccsbBroad304 15469	U	BC051328	3500	IGHG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15470	ccsbBroad304 15470	U	BC001872,BC006180	3507	IGHM	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15471	ccsbBroad304 15471	U	BC016381	3507	IGHM	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15472	ccsbBroad304 15472	U	BC009851	3507	IGHM	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15473	ccsbBroad304 15473	U	BC011857	3507	IGHM	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15474	ccsbBroad304 15474	U	BC015760	3507	IGHM	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15475	ccsbBroad304 15475	U	BC020240	3507	IGHM	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15476	Failed LR reaction	U	BC056256	3514	IGKC	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15477	ccsbBroad304 15477	U	BC034141	3514	IGKC	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15478	ccsbBroad304 15478	U	BC132686	3570	IL6R	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15479	ccsbBroad304 15479	U	BC067505	3605	IL17A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15480	ccsbBroad304 15480	U	BC008381	3612	IMPA1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15481	ccsbBroad304 15481	U	BC113580	3635	INPP5D	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15482	ccsbBroad304 15482	U	BC016706	3646	EIF3E	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15483	ccsbBroad304 15483	U	BC005944	3646	EIF3E	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15484	ccsbBroad304 15484	U	BC008419	3646	EIF3E	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15485	ccsbBroad304 15485	U	BC017880	3658	IREB2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15486	ccsbBroad304 15486	U	BC113477	3752	KCND3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15487	ccsbBroad304 15487	U	BC010502	3845	KRAS	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15488	ccsbBroad304 15488	U	BC050688	3921	RPSA	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15489	ccsbBroad304 15489	U	BC082228	3925	STMN1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15490	ccsbBroad304 15490	U	BC001120	3958	LGALS3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15491	ccsbBroad304 15491	U	BC073973	4005	LMO2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15492	ccsbBroad304 15492	U	BC069784	4114	MAGEB3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15493	ccsbBroad304 15493	U	BC110454	4142	MAS1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15494	ccsbBroad304 15494	U	BC025685	4149	MAX	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15495	ccsbBroad304 15495	U	BC003525,BC027924	4149	MAX	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15496	ccsbBroad304 15496	U	BC050535	4154	MBNL1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15497	ccsbBroad304 15497	U	BC017258	4171	MCM2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15498	ccsbBroad304 15498	U	BC005964	4259	MGST3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15499	ccsbBroad304 15499	U	BC002584,BC024310	4267	CD99	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15500	ccsbBroad304 15500	U	BC064612	4302	MLLT6	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15501	ccsbBroad304 15501	U	BC062696	4547	MTTP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15502	ccsbBroad304 15502	U	BC054816	4552	MTRR	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15503	ccsbBroad304 15503	U	BC112173	4625	MYH7	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15504	ccsbBroad304 15504	U	BC007509	4716	NDUFB10	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15505	ccsbBroad304 15505	U	BC008146	4723	NDUFV1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15506	ccsbBroad304 15506	U	BC007035	4801	NFYB	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15507	Failed LR reaction	U	BC008603	4828	NMB	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15508	ccsbBroad304 15508	U	BC004880	4833	NME4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15509	ccsbBroad304 15509	U	BC065257	4839	NOP2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15510	ccsbBroad304 15510	U	BC021983	4869	NPM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15511	ccsbBroad304 15511	U	BC016768	4869	NPM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15512	ccsbBroad304 15512	U	BC003670	4869	NPM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15513	ccsbBroad304 15513	U	BC004165	4926	NUMA1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15514	ccsbBroad304 15514	U	BC000964	4942	OAT	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15515	ccsbBroad304 15515	U	BC009580	4967	OGDH	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15516	ccsbBroad304 15516	U	BC028135	5029	P2RY2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15517	ccsbBroad304 15517	U	BC014504	5034	P4HB	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15518	ccsbBroad304 15518	U	BC019299	5098	PCDHGC3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15519	ccsbBroad304 15519	U	BC027470	5098	PCDHGC3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15520	ccsbBroad304 15520	U	BC127638	5161	PDHA2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15521	ccsbBroad304 15521	U	BC013984	5176	SERPINF1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15522	ccsbBroad304 15522	U	BC018198	5192	PEX10	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15523	ccsbBroad304 15523	U	BC008964,BC009919	5211	PFKL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15524	ccsbBroad304 15524	U	BC007536	5211	PFKL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15525	ccsbBroad304 15525	U	BC018295	5211	PFKL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15526	ccsbBroad304 15526	U	BC000534	5213	PFKM	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15527	ccsbBroad304 15527	U	BC029138	5214	PFKP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15528	ccsbBroad304 15528	U	BC019920	5236	PGM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15529	ccsbBroad304 15529	U	BC005234	5303	PIN4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15530	ccsbBroad304 15530	U	BC045108	5306	PITPNA	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15531	ccsbBroad304 15531	U	BC112263	5311	PKD2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15532	ccsbBroad304 15532	U	BC018649	5441	POLR2L	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15533	ccsbBroad304 15533	U	BC117435	5460	POU5F1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15534	ccsbBroad304 15534	U	BC007104	5478	PPIA	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15535	ccsbBroad304 15535	U	BC133676	5554	PRH1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15536	ccsbBroad304 15536	U	BC017833	5558	PRIM2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15537	ccsbBroad304 15537	U	BC037303	5562	PRKAA1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15538	ccsbBroad304 15538	U	BC062620	5586	PKN2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15539	ccsbBroad304 15539	U	BC125199	5586	PKN2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15540	ccsbBroad304 15540	U	BC021992	5612	PRKRIR	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15541	ccsbBroad304 15541	U	BC022532	5621	PRNP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15542	ccsbBroad304 15542	U	BC005265	5684	PSMA3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15543	ccsbBroad304 15543	U	BC023659	5687	PSMA6	N/A	hORFeome V8.1 Unsequenced Subcollection







ccsbBroadEn_15637	Failed LR reaction	U	BC017331	8542	APOL1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15638	ccsbBroad304_15638	U	BC025301	8558	CDK10	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15639	ccsbBroad304_15639	U	BC003096	8572	PDLIM4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15640	ccsbBroad304_15640	U	BC017956	8605	PLA2G4C	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15641	ccsbBroad304_15641	U	BC007019	8674	VAMP4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15642	ccsbBroad304_15642	U	BC037905	8738	CRADD	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15643	ccsbBroad304_15643	U	BC141811	8785	MATN4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15644	Failed LR reaction	U	BC020726	8796	SCEL	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15645	ccsbBroad304_15645	U	BC058074	8839	WISP2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15646	ccsbBroad304_15646	U	BC030792	8851	CDK5R1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15647	ccsbBroad304_15647	U	BC126147	8875	VNN2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15648	ccsbBroad304_15648	U	BC007888	8894	EIF2S2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15649	ccsbBroad304_15649	U	BC019890	9019	MPZL1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15650	ccsbBroad304_15650	U	BC071682	9034	CCRL2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15651	ccsbBroad304_15651	U	BC029036	9045	RPL14	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15652	ccsbBroad304_15652	U	BC019651	9045	RPL14	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15653	ccsbBroad304_15653	U	BC000606	9045	RPL14	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15654	ccsbBroad304_15654	U	BC012343	9093	DNAJA3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15655	ccsbBroad304_15655	U	BC032100	9093	DNAJA3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15656	ccsbBroad304_15656	U	BC130577	9108	MTMR7	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15657	ccsbBroad304_15657	U	BC011726	9138	ARHGEF1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15658	ccsbBroad304_15658	U	BC009568	9143	SYNGR3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15659	ccsbBroad304_15659	U	BC007095	9167	COX7A2L	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15660	ccsbBroad304_15660	U	BC063468	9180	OSMR	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15661	ccsbBroad304_15661	U	BC004182,BC017228	9188	DDX21	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15662	ccsbBroad304_15662	U	BC013009	9203	ZMYM3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15663	ccsbBroad304_15663	U	BC008191	9265	CYTH3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15664	ccsbBroad304_15664	U	BC067456	9293	GPR52	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15665	ccsbBroad304_15665	U	BC050411	9317	PTER	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15666	ccsbBroad304_15666	U	BC005941	9341	VAMP3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15667	ccsbBroad304_15667	U	BC069503	9350	CER1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15668	ccsbBroad304_15668	U	BC069405	9350	CER1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15669	ccsbBroad304_15669	U	BC110430	9441	MED26	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15670	ccsbBroad304_15670	U	BC014656	9531	BAG3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15671	ccsbBroad304_15671	U	BC013193	9581	PREPL	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15672	ccsbBroad304_15672	U	BC131543	9584	RBM39	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15673	ccsbBroad304_15673	U	BC005949	9659	PDE4DIP	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15674	ccsbBroad304_15674	U	BC026241	9690	UBE3C	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15675	ccsbBroad304_15675	U	BC044580	9692	KIAA0391	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15676	ccsbBroad304_15676	U	BC000421	9741	LAPTM4A	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15677	ccsbBroad304_15677	U	BC003662	9775	EIF4A3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15678	ccsbBroad304_15678	U	BC006191	9776	ATG13	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15679	ccsbBroad304_15679	U	BC008340	9785	DHX38	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15680	ccsbBroad304_15680	U	BC016276	9787	DLGAP5	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15681	ccsbBroad304_15681	U	BC033613	9814	SF11	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15682	ccsbBroad304_15682	U	BC012094	9910	RABGAP1L	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15683	ccsbBroad304_15683	U	BC053876	9911	TMCC2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15684	ccsbBroad304_15684	U	BC022452	9912	ARHGAP44	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15685	ccsbBroad304_15685	U	BC017770	9939	RBM8A	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15686	ccsbBroad304_15686	U	BC020688,BC063454	9958	USP15	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15687	Failed LR reaction	U	BC051744	9990	SLC12A6	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15688	ccsbBroad304_15688	U	BC040500	9993	DGCR2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15689	ccsbBroad304_15689	U	BC028242	10016	PDCD6	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15690	ccsbBroad304_15690	U	BC003387	10053	AP1M2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15691	ccsbBroad304_15691	U	BC003612	10053	AP1M2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15692	ccsbBroad304_15692	U	BC010505	10067	SCAMP3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15693	ccsbBroad304_15693	U	BC016906	10113	PREB	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15694	ccsbBroad304_15694	U	BC014323	10134	BCAP31	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15695	ccsbBroad304_15695	U	BC007028,BC015103	10136	CELA3A	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15696	Failed LR reaction	U	BC029395	10200	MPHOSPH6	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15697	ccsbBroad304_15697	U	BC009524	10213	PSMD14	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15698	ccsbBroad304_15698	U	BC014979	10227	MFS10	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15699	ccsbBroad304_15699	U	BC065725	10244	RABEPK	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15700	ccsbBroad304_15700	U	BC007839	10280	SIGMAR1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15701	ccsbBroad304_15701	U	BC036367	10308	ZNF267	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15702	ccsbBroad304_15702	U	BC012133	10318	TNIP1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15703	ccsbBroad304_15703	U	BC028026	10336	PCGF3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15704	ccsbBroad304_15704	U	BC041600	10342	TFG	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15705	ccsbBroad304_15705	U	BC004408	10362	HMG20B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15706	ccsbBroad304_15706	U	BC017004,BC030820	10376	TUBA1B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15707	ccsbBroad304_15707	U	BC009512	10376	TUBA1B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15708	Failed LR reaction	U	BC021564	10376	TUBA1B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15709	ccsbBroad304_15709	U	BC017497	10385	BTN2A2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15710	ccsbBroad304_15710	U	BC000214,BC032006	10399	GNB2L1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15711	ccsbBroad304_15711	U	BC016730	10456	HAX1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15712	ccsbBroad304_15712	U	BC011595	10457	GNPMB	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15713	Failed LR reaction	U	BC009240	10474	TADA3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15714	ccsbBroad304_15714	U	BC032245	10476	ATP5H	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15715	ccsbBroad304_15715	U	BC015793	10494	STK25	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15716	ccsbBroad304_15716	U	BC010701	10509	SEMA4B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15717	ccsbBroad304_15717	U	BC005025	10531	PITRM1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15718	ccsbBroad304_15718	U	BC004529	10555	AGPAT2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15719	ccsbBroad304_15719	U	BC113516	10576	CCT2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15720	ccsbBroad304_15720	U	BC004424	10623	POLR3C	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15721	ccsbBroad304_15721	U	BC016372,BC032748	10627	MYL12A	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15722	ccsbBroad304_15722	U	BC070165	10632	ATP5L	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15723	ccsbBroad304_15723	U	BC001668	10653	SPINT2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15724	ccsbBroad304_15724	U	BC017262	10712	FAM189B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15725	ccsbBroad304_15725	U	BC040136	10712	FAM189B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15726	ccsbBroad304_15726	U	BC063035	10750	GRAP	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15727	ccsbBroad304_15727	U	BC010074	10772	SRSF10	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15728	ccsbBroad304_15728	U	BC017407	10781	ZNF266	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_15729	ccsbBroad304_15729	U	BC008386	10793	ZNF273	N/A	hORFeome V8.1 Unsequenced Subcollection				



ccsbBroadEn 15730	ccsbBroad304 15730	U	BC050553	10908	PNPLA6	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15731	ccsbBroad304 15731	U	BC009610	10923	SUB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15732	ccsbBroad304 15732	U	BC121092	10933	MORF4L1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15733	ccsbBroad304 15733	U	BC002395	10946	SF3A3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15734	ccsbBroad304 15734	U	BC008356	10948	STARD3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15735	ccsbBroad304 15735	U	BC025679	10948	STARD3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15736	ccsbBroad304 15736	U	BC042363	11016	ATF7	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15737	ccsbBroad304 15737	U	BC012757	11083	DIDO1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15738	ccsbBroad304 15738	U	BC004242	11100	HNRNPUL1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15739	ccsbBroad304 15739	U	BC141814	11194	ABC88	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15740	ccsbBroad304 15740	U	BC011556	11218	DDX20	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15741	ccsbBroad304 15741	U	BC003161	11344	TWF2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15742	ccsbBroad304 15742	U	BC029601	11345	GABARAPL2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15743	ccsbBroad304 15743	U	BC002695	22848	AAK1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15744	ccsbBroad304 15744	U	BC112226	22864	R3HDM2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15745	ccsbBroad304 15745	U	BC011884	22980	TCF25	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15746	ccsbBroad304 15746	U	BC013377	23001	WDFY3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15747	ccsbBroad304 15747	U	BC021726	23034	SAMD4A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15748	ccsbBroad304 15748	U	BC008919	23061	TBC1D9B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15749	Failed LR reaction	U	BC014891	23074	UHRF1BP1L	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15750	ccsbBroad304 15750	U	BC009291	23157	SEPT6	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15751	ccsbBroad304 15751	U	BC071768	23198	PSME4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15752	ccsbBroad304 15752	U	BC117231	23236	PLCB1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15753	ccsbBroad304 15753	U	BC010680	23245	ASTN2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15754	ccsbBroad304 15754	U	BC093835	23245	ASTN2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15755	ccsbBroad304 15755	U	BC009822	23279	NUP160	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15756	ccsbBroad304 15756	U	BC048301	23318	ZCCHC11	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15757	ccsbBroad304 15757	U	BC010144	23367	LARP1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15758	ccsbBroad304 15758	U	BC003691,BC011673	23386	NUDCD3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15759	ccsbBroad304 15759	U	BC035583	23387	SIK3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15760	ccsbBroad304 15760	U	BC014385	23421	ITGB3BP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15761	ccsbBroad304 15761	U	BC064900	23466	CBX6	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15762	ccsbBroad304 15762	U	BC010033,BC018910	23475	QPR1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15763	ccsbBroad304 15763	U	BC061903	23479	ISCU	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15764	ccsbBroad304 15764	U	BC062537	23521	RPL13A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15765	ccsbBroad304 15765	U	BC032370	23530	NNT	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15766	ccsbBroad304 15766	U	BC039731	23532	PRAME	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15767	ccsbBroad304 15767	U	BC126264	25770	C22orf31	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15768	ccsbBroad304 15768	U	BC053627	25778	DSTYK	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15769	ccsbBroad304 15769	U	BC126295	25794	FSCN2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15770	ccsbBroad304 15770	U	BC001755	25802	LMOD1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15771	ccsbBroad304 15771	U	BC011681	25813	SAMM50	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15772	ccsbBroad304 15772	U	BC030665	25830	SULT4A1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15773	ccsbBroad304 15773	U	BC033847	25836	NIPBL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15774	ccsbBroad304 15774	U	BC020523	25896	INTS7	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15775	ccsbBroad304 15775	U	BC002928	25904	CNOT10	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15776	Failed LR reaction	U	BC111004	25915	NDUFAF3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15777	ccsbBroad304 15777	U	BC125142	25950	RWDD3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15778	ccsbBroad304 15778	U	BC021118	25953	PNKD	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15779	ccsbBroad304 15779	U	BC053875	25962	KIAA1429	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15780	ccsbBroad304 15780	U	BC034494	26039	SS18L1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15781	ccsbBroad304 15781	U	BC017449	26135	SERBP1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15782	ccsbBroad304 15782	U	BC112228	26156	RSL1D1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15783	ccsbBroad304 15783	U	BC047060	26166	RGS22	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15784	ccsbBroad304 15784	U	BC007199	26505	CNNM3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15785	ccsbBroad304 15785	U	BC004911	26580	BSCL2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15786	ccsbBroad304 15786	U	BC041640	26580	BSCL2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15787	ccsbBroad304 15787	U	BC010901	26586	CKAP2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15788	ccsbBroad304 15788	U	BC030778,BC034974	26751	SH3YL1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15789	ccsbBroad304 15789	U	BC008375	26751	SH3YL1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15790	ccsbBroad304 15790	U	BC032715	27241	BBS9	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15791	ccsbBroad304 15791	U	BC005192,BC015466	27242	TNFRSF21	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15792	ccsbBroad304 15792	U	BC002841	27292	DIMT1L	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15793	ccsbBroad304 15793	U	BC001017	27295	PDLIM3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15794	ccsbBroad304 15794	U	BC042177	27300	ZNF544	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15795	ccsbBroad304 15795	U	BC066948	27338	UBE2S	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15796	ccsbBroad304 15796	U	BC005218	27430	MAT2B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15797	ccsbBroad304 15797	U	BC008685	27436	EML4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15798	ccsbBroad304 15798	U	BC034146	28299	IGKV1-5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15799	Failed LR reaction	U	BC008453	28969	BZW2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15800	ccsbBroad304 15800	U	BC007110	28970	C11orf54	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15801	ccsbBroad304 15801	U	BC029349	28981	IFT81	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15802	ccsbBroad304 15802	U	BC009769	29058	C20orf30	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15803	ccsbBroad304 15803	U	BC000003	29083	GTPBP8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15804	ccsbBroad304 15804	U	BC012552	29098	RANGRF	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15805	ccsbBroad304 15805	U	BC001298	29781	NCAPH2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15806	ccsbBroad304 15806	U	BC000473	29781	NCAPH2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15807	ccsbBroad304 15807	U	BC050331	29797	POM121L8P	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15808	ccsbBroad304 15808	U	BC001367	29890	RBM15B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15809	ccsbBroad304 15809	U	BC010032	29956	LASS2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15810	ccsbBroad304 15810	U	BC051823	30844	EHD4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15811	ccsbBroad304 15811	U	BC002611	49856	WDR8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15812	ccsbBroad304 15812	U	BC013107	50717	DCAF8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15813	ccsbBroad304 15813	U	BC069551	50836	TAS2R8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15814	ccsbBroad304 15814	U	BC000706	50854	C6orf48	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15815	ccsbBroad304 15815	U	BC013983	50859	SPOCK3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15816	ccsbBroad304 15816	U	BC016365	50999	TMED5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15817	ccsbBroad304 15817	U	BC014483	51004	COQ6	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15818	ccsbBroad304 15818	U	BC069412	51032	CELA2B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15819	ccsbBroad304 15819	U	BC018733	51072	MEMO1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15820	ccsbBroad304 15820	U	BC008440	51074	APIP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15821	ccsbBroad304 15821	U	BC001230	51107	APH1A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn 15822	ccsbBroad304 15822	U	BC011727	51109	RDH11	N/A	hORFeome V8.1 Unsequenced Subcollection



ccsbBroadEn	15823	ccsbBroad304	15823	U	BC002522	51111	SUV420H1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15824	ccsbBroad304	15824	U	BC031101	51175	TUBE1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15825	ccsbBroad304	15825	U	BC016312	51187	RSL24D1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15826	ccsbBroad304	15826	U	BC005344	51187	RSL24D1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15827	ccsbBroad304	15827	U	BC008409,BC026267	51187	RSL24D1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15828	ccsbBroad304	15828	U	BC009604	51187	RSL24D1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15829	ccsbBroad304	15829	U	BC008499	51187	RSL24D1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15830	ccsbBroad304	15830	U	BC028672	51187	RSL24D1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15831	ccsbBroad304	15831	U	BC001308	51203	NUSAP1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15832	ccsbBroad304	15832	U	BC000694	51222	ZNF219	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15833	ccsbBroad304	15833	U	BC063390	51233	C22orf43	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15834	ccsbBroad304	15834	U	BC016348	51234	TMEM85	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15835	ccsbBroad304	15835	U	BC050465	51256	TBC1D7	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15836	ccsbBroad304	15836	U	BC008960	51268	PIPOX	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15837	ccsbBroad304	15837	U	BC010357	51319	RSRC1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15838	ccsbBroad304	15838	U	BC029265	51386	EIF3L	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15839	ccsbBroad304	15839	U	BC006301	51433	ANAPC5	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15840	ccsbBroad304	15840	U	BC013318	51438	MAGEC2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15841	ccsbBroad304	15841	U	BC004469	51447	IP6K2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15842	ccsbBroad304	15842	U	BC001864	51447	IP6K2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15843	ccsbBroad304	15843	U	BC002970	51493	C22orf28	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15844	ccsbBroad304	15844	U	BC016707	51493	C22orf28	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15845	ccsbBroad304	15845	U	BC029482	51504	TRMT112	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15846	ccsbBroad304	15846	U	BC016698	51510	CHMP5	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15847	ccsbBroad304	15847	U	BC005198	51528	JKAMP	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15848	ccsbBroad304	15848	U	BC010097	51545	ZNF581	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15849	ccsbBroad304	15849	U	BC028220	51548	SIRT6	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15850	ccsbBroad304	15850	U	BC067511	51561	IL23A	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15851	ccsbBroad304	15851	U	BC001538	51573	GDE1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15852	ccsbBroad304	15852	U	BC009772	51601	LIPT1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15853	ccsbBroad304	15853	U	BC040558	51626	DYNC2L11	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15854	ccsbBroad304	15854	U	BC010164	51659	GINS2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15855	ccsbBroad304	15855	U	BC036738	51714	SELT	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15856	ccsbBroad304	15856	U	BC017570	51759	C9orf78	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15857	ccsbBroad304	15857	U	BC017402	51778	MYO22	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15858	ccsbBroad304	15858	U	BC020923	53405	CLIC5	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15859	ccsbBroad304	15859	U	BC036029	53616	ADAM22	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15860	ccsbBroad304	15860	U	BC126212	53630	BCMO1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15861	ccsbBroad304	15861	U	BC126369	54145	H2BFS	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15862	ccsbBroad304	15862	U	BC126168	54431	DNAJC10	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15863	ccsbBroad304	15863	U	BC066943	54458	PRR13	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15864	ccsbBroad304	15864	U	BC050690	54503	ZDHHC13	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15865	ccsbBroad304	15865	U	BC009776,BC009777	54556	ING3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15866	ccsbBroad304	15866	U	BC010851	54556	ING3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15867	ccsbBroad304	15867	U	CCSB53386	54662	TBC1D13	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15868	ccsbBroad304	15868	U	BC001044	54758	KLHDC4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15869	ccsbBroad304	15869	U	BC036354	54760	PCSK4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15870	ccsbBroad304	15870	U	BC010632	54801	HAUS6	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15871	ccsbBroad304	15871	U	BC057794	54813	KLHL28	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15872	ccsbBroad304	15872	U	BC099916	54845	ESRP1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15873	ccsbBroad304	15873	U	BC131726	54855	FAM46C	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15874	ccsbBroad304	15874	U	BC004457	54882	ANKHD1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15875	ccsbBroad304	15875	U	BC012059	54904	WHSC1L1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15876	ccsbBroad304	15876	U	BC027472	54918	CMTM6	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15877	ccsbBroad304	15877	U	BC028241	54946	SLC41A3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15878	ccsbBroad304	15878	U	BC016703	54988	ACSM5	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15879	ccsbBroad304	15879	U	BC063438	55012	PPP2R3C	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15880	ccsbBroad304	15880	U	CCSB53178	55015	PRPF39	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15881	ccsbBroad304	15881	U	BC010307	55032	SLC35A5	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15882	ccsbBroad304	15882	U	BC005207	55032	SLC35A5	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15883	ccsbBroad304	15883	U	BC011736	55038	CDCA4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15884	ccsbBroad304	15884	U	BC059945	55052	MRPL20	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15885	ccsbBroad304	15885	U	BC033709	55086	CXorf57	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15886	ccsbBroad304	15886	U	BC030557	55088	C10orf118	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15887	ccsbBroad304	15887	U	BC009486	55144	LRRC8D	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15888	ccsbBroad304	15888	U	BC015323	55193	PBRM1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15889	ccsbBroad304	15889	U	BC042150	55240	STEAP3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15890	ccsbBroad304	15890	U	BC003500	55249	YY1AP1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15891	ccsbBroad304	15891	U	BC045775	55251	PCMTD2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15892	ccsbBroad304	15892	U	BC003192	55254	TMEM39A	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15893	ccsbBroad304	15893	U	BC001807	55255	WDR41	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15894	ccsbBroad304	15894	U	BC011745	55272	IMP3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15895	ccsbBroad304	15895	U	BC125104	55288	RHOT1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15896	ccsbBroad304	15896	U	BC020953	55291	PPP6R3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15897	ccsbBroad304	15897	U	BC031044	55466	DNAJA4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15898	ccsbBroad304	15898	U	BC006111	55500	ETNK1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15899	ccsbBroad304	15899	U	BC073912	55515	ACCN4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15900	ccsbBroad304	15900	U	BC130334	55521	TRIM36	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15901	ccsbBroad304	15901	U	BC069480,BC069518	55554	KLK15	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15902	ccsbBroad304	15902	U	BC005371	55577	NAGK	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15903	Failed LR reaction		U	BC012025	55586	MIOX	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15904	ccsbBroad304	15904	U	BC010368	55611	OTUB1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15905	ccsbBroad304	15905	U	BC034984	55614	KIF16B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15906	Failed LR reaction		U	BC011823	55652	SLC48A1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15907	ccsbBroad304	15907	U	BC011927,BC016060	55661	DDX27	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15908	ccsbBroad304	15908	U	BC016280	55670	PEX26	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15909	ccsbBroad304	15909	U	BC004919	55698	RADIL	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15910	ccsbBroad304	15910	U	BC031550	55716	LMBR1L	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15911	ccsbBroad304	15911	U	BC001750	55722	CEP72	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15912	ccsbBroad304	15912	U	BC000786	55738	ARFGAP1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15913	ccsbBroad304	15913	U	BC009775	55750	AGK	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15914	ccsbBroad304	15914	U	BC066271	55801	IL26	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn	15915	ccsbBroad304	15915	U	BC007334	55839	CENPN	N/A	hORFeome V8.1 Unsequenced Subcollection				



ccsbBroadEn_15916	ccsbBroad304_15916	U	BC012065	55863	TMEM126B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15917	ccsbBroad304_15917	U	BC014888	55916	NXT2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15918	ccsbBroad304_15918	U	BC120984	55916	NXT2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15919	ccsbBroad304_15919	U	BC004446	55969	C2orf24	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15920	ccsbBroad304_15920	U	BC009555	55975	KLHL7	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15921	ccsbBroad304_15921	U	BC001256	56063	C1orf91	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15922	ccsbBroad304_15922	U	BC063595	56169	GSDMC	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15923	ccsbBroad304_15923	U	BC004855	56649	TMPRSS4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15924	ccsbBroad304_15924	U	BC015884	56674	TMEM9B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15925	ccsbBroad304_15925	U	BC004219	56894	AGPAT3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15926	ccsbBroad304_15926	U	BC068451	56899	ANKS1B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15927	ccsbBroad304_15927	U	BC001762,BC011905	56905	C15orf39	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15928	ccsbBroad304_15928	U	BC008438	56925	LXN	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15929	ccsbBroad304_15929	U	BC004549	56931	DUS3L	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15930	ccsbBroad304_15930	U	BC015918	56937	PMEP1A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15931	ccsbBroad304_15931	U	BC010125	56941	C3orf37	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15932	ccsbBroad304_15932	U	BC048810	56983	POGLUT1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15933	ccsbBroad304_15933	U	BC038394	57018	CCNL1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15934	ccsbBroad304_15934	U	BC126470	57093	TRIM49	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15935	ccsbBroad304_15935	U	BC055096	57116	ZNF695	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15936	ccsbBroad304_15936	U	BC023527	57116	ZNF695	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15937	ccsbBroad304_15937	U	BC001035,BC014366	57142	RTN4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15938	Failed LR reaction	U	BC071848	57142	RTN4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15939	ccsbBroad304_15939	U	BC032334	57157	PHTF2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15940	ccsbBroad304_15940	U	BC022419	57157	PHTF2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15941	ccsbBroad304_15941	U	BC067742	57157	PHTF2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15942	ccsbBroad304_15942	U	BC011419	57162	PELI1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15943	ccsbBroad304_15943	U	BC001265	57185	NIPAL3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15944	Failed LR reaction	U	BC021819	57209	ZNF248	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15945	ccsbBroad304_15945	U	BC009174	57325	CSRP2BP	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15946	ccsbBroad304_15946	U	BC000040	57418	WDR18	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15947	ccsbBroad304_15947	U	BC010458	57447	NDRG2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15948	ccsbBroad304_15948	U	BC033029	57515	SERINC1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15949	ccsbBroad304_15949	U	BC028227	57573	ZNF471	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15950	ccsbBroad304_15950	U	BC121176	57610	RANBP10	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15951	ccsbBroad304_15951	U	BC132774	57613	KIAA1467	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15952	ccsbBroad304_15952	U	BC017423	57708	MIER1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15953	ccsbBroad304_15953	U	BC128579	57715	SEMA4G	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15954	ccsbBroad304_15954	U	BC066259	59067	IL21	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15955	ccsbBroad304_15955	U	BC022218,BC052257	60313	GPBP1L1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15956	ccsbBroad304_15956	U	BC028904	60314	C12orf10	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15957	ccsbBroad304_15957	U	BC002934	60343	FAM3A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15958	ccsbBroad304_15958	U	BC011856	60493	FASTKD5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15959	ccsbBroad304_15959	U	BC128580	63027	SLC22A23	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15960	ccsbBroad304_15960	U	BC069432	63036	CELA2A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15961	ccsbBroad304_15961	U	BC029799	63947	DMRTC1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15962	ccsbBroad304_15962	U	BC130435	63951	DMRTA1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15963	ccsbBroad304_15963	U	BC026348	64114	TMBIM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15964	ccsbBroad304_15964	U	BC009048	64129	TINAGL1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15965	ccsbBroad304_15965	U	BC001085,BC011746	64222	TOR3A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15966	ccsbBroad304_15966	U	BC001674	64419	MTMR14	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15967	ccsbBroad304_15967	U	BC014331	64425	POLR1E	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15968	ccsbBroad304_15968	U	BC013385	64581	CLEC7A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15969	ccsbBroad304_15969	U	BC008928	64689	GORASP1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15970	ccsbBroad304_15970	U	BC009972	64780	MICAL1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15971	ccsbBroad304_15971	U	BC020988	64782	AEN	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15972	ccsbBroad304_15972	U	BC006397	64783	RBM15	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15973	ccsbBroad304_15973	U	BC024746	64798	DEPTOR	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15974	ccsbBroad304_15974	U	BC031041	64799	IQCH	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15975	ccsbBroad304_15975	U	BC064983	64860	ARMCX5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15976	ccsbBroad304_15976	U	BC017363,BC019256	79012	CAMKV	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15977	ccsbBroad304_15977	U	BC000823,BC007378	79027	ZNF655	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15978	ccsbBroad304_15978	U	BC010052	79056	PRRG4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15979	ccsbBroad304_15979	U	BC003583	79068	FTO	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15980	ccsbBroad304_15980	U	BC022848	79140	CCDC28B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15981	ccsbBroad304_15981	U	BC002891	79173	C19orf57	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15982	ccsbBroad304_15982	U	BC002897	79175	ZNF343	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15983	ccsbBroad304_15983	U	BC011719	79188	TMEM43	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15984	ccsbBroad304_15984	U	BC032318	79612	NAA16	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15985	ccsbBroad304_15985	U	BC032010	79642	ARSJ	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15986	ccsbBroad304_15986	U	BC063629	79663	HSPBAP1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15987	ccsbBroad304_15987	U	BC057999	79674	VEPH1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15988	ccsbBroad304_15988	U	BC009961	79734	KCTD17	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15989	ccsbBroad304_15989	U	BC015310	79745	CLIP4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15990	ccsbBroad304_15990	U	BC029164	79777	ACBD4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15991	ccsbBroad304_15991	U	BC015201	79802	HHIPL2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15992	ccsbBroad304_15992	U	BC028194	79805	VASH2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15993	ccsbBroad304_15993	U	BC029359	79823	C2orf34	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15994	ccsbBroad304_15994	U	BC008872	79894	ZNF672	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15995	ccsbBroad304_15995	U	BC009416	79922	MRM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15996	ccsbBroad304_15996	U	BC004117	79947	DHDDS	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15997	ccsbBroad304_15997	U	BC070164	80012	PHC3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15998	ccsbBroad304_15998	U	BC015726	80020	FOXRED2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_15999	ccsbBroad304_15999	U	BC132781	80108	ZFP2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16000	ccsbBroad304_16000	U	BC022556	80177	MYCT1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16001	ccsbBroad304_16001	U	BC010092	80199	FUZ	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16002	ccsbBroad304_16002	U	BC021278	80201	HKDC1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16003	ccsbBroad304_16003	U	BC021541	80227	PAAF1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16004	ccsbBroad304_16004	U	BC014449	80339	PNPLA3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16005	ccsbBroad304_16005	U	CCSB53269	80760	ITIH5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16006	ccsbBroad304_16006	U	BC052591	80864	EGFL8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16007	Failed LR reaction	U	BC042003	80896	NPL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16008	ccsbBroad304_16008	U	BC056147	81545	FBXO38	N/A	hORFeome V8.1 Unsequenced Subcollection



ccsbBroadEn_16009	ccsbBroad304_16009	U	BC011620	81605	URM1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16010	ccsbBroad304_16010	U	BC052959	81608	FIP1L1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16011	Failed LR reaction	U	BC010406	81628	TSC22D4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16012	ccsbBroad304_16012	U	BC002972	81628	TSC22D4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16013	ccsbBroad304_16013	U	BC019102	81704	DOCK8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16014	ccsbBroad304_16014	U	BC139900	81792	ADAMTS12	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16015	ccsbBroad304_16015	U	BC001033	81853	TMEM14B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16016	ccsbBroad304_16016	U	BC018610	81887	LAS1L	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16017	ccsbBroad304_16017	U	BC069691,BC069806	83446	CCDC70	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16018	ccsbBroad304_16018	U	BC047873,BC050665	83450	LRRC48	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16019	ccsbBroad304_16019	U	BC025390	83538	TTC25	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16020	ccsbBroad304_16020	U	BC042651	83593	RASSF5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16021	Failed LR reaction	U	BC021924	83637	ZMIZ2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16022	Failed LR reaction	U	BC070059	83699	SH3BGRL2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16023	ccsbBroad304_16023	U	BC005009	83719	YPEL3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16024	ccsbBroad304_16024	U	BC033851	83786	FRMD8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16025	ccsbBroad304_16025	U	BC030650	83887	TTL2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16026	ccsbBroad304_16026	U	BC063471	84068	SLC10A7	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16027	ccsbBroad304_16027	U	BC019607	84129	ACAD11	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16028	ccsbBroad304_16028	U	BC010991	84173	ELMOD3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16029	ccsbBroad304_16029	U	BC022434	84186	ZCCHC7	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16030	ccsbBroad304_16030	U	BC046349	84268	RPAIN	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16031	ccsbBroad304_16031	U	BC010562	84331	FAM195A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16032	ccsbBroad304_16032	U	BC007346	84331	FAM195A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16033	ccsbBroad304_16033	U	BC030612	84340	GFM2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16034	ccsbBroad304_16034	U	BC121022	84342	COG8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16035	ccsbBroad304_16035	U	BC013643	84418	C5orf32	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16036	ccsbBroad304_16036	U	BC106014	84513	PPAPDC1B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16037	ccsbBroad304_16037	U	BC015905	84545	MRPL43	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16038	ccsbBroad304_16038	U	BC052639	84545	MRPL43	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16039	ccsbBroad304_16039	U	BC053373	84545	MRPL43	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16040	ccsbBroad304_16040	U	BC017207	84705	GTPBP3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16041	ccsbBroad304_16041	U	BC113512	84735	CNDP1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16042	ccsbBroad304_16042	U	BC011790,BC051297	84790	TUBA1C	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16043	ccsbBroad304_16043	U	BC005946,BC063036	84790	TUBA1C	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16044	ccsbBroad304_16044	U	BC006110	84792	C7orf70	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16045	ccsbBroad304_16045	U	BC013011,BC021165	84858	ZNF503	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16046	ccsbBroad304_16046	U	BC013386	84876	ORAI1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16047	ccsbBroad304_16047	U	BC032674	84893	FBXO18	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16048	ccsbBroad304_16048	U	BC032312	84897	TBRG1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16049	ccsbBroad304_16049	U	BC021092	84936	ZFYVE19	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16050	ccsbBroad304_16050	U	BC007639,BC016845	84971	ATG4D	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16051	ccsbBroad304_16051	U	BC069677	85397	RGS8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16052	ccsbBroad304_16052	U	BC117146	85406	DNAJC14	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16053	ccsbBroad304_16053	U	BC126394	89876	C3orf15	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16054	ccsbBroad304_16054	U	BC001614	89891	WDR34	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16055	ccsbBroad304_16055	U	BC062217	90070	LACRT	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16056	ccsbBroad304_16056	U	BC069505	90427	BMF	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16057	Failed LR reaction	U	BC070043	90427	BMF	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16058	ccsbBroad304_16058	U	BC010408	90507	SCRN2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16059	ccsbBroad304_16059	U	BC063387	90557	CCDC74A	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16060	ccsbBroad304_16060	U	BC041897	90864	SPSB3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16061	ccsbBroad304_16061	U	BC019016	91252	SLC39A13	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16062	ccsbBroad304_16062	U	BC018086	91368	CDKN2AIPNL	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16063	ccsbBroad304_16063	U	BC003535,BC010170	91442	C19orf40	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16064	ccsbBroad304_16064	U	BC117375	91828	C14orf73	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16065	ccsbBroad304_16065	U	BC030654	91833	WDR20	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16066	ccsbBroad304_16066	U	BC034342	92912	UBE2Q2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16067	ccsbBroad304_16067	U	BC030262	92949	ADAMTSL1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16068	ccsbBroad304_16068	U	BC014190	93100	NAPRT1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16069	ccsbBroad304_16069	U	BC014883	93109	TMEM44	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16070	ccsbBroad304_16070	U	BC117433	93233	CCDC114	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16071	ccsbBroad304_16071	U	BC042996	93979	CPA5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16072	ccsbBroad304_16072	U	BC000638	94103	ORMDL3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16073	ccsbBroad304_16073	U	BC060791,BC067860	112574	SNX18	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16074	ccsbBroad304_16074	U	BC011916	112817	HOGA1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16075	ccsbBroad304_16075	U	BC011880	113444	C1orf212	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16076	ccsbBroad304_16076	U	BC069798,BC069801	114771	PGLYRP3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16077	ccsbBroad304_16077	U	BC031830	114792	KLHL32	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16078	ccsbBroad304_16078	U	BC032646	114879	OSBPL5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16079	ccsbBroad304_16079	U	BC014057	115817	DHRS1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16080	ccsbBroad304_16080	U	BC012987	116138	KLHDC3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16081	ccsbBroad304_16081	U	BC015548	117177	RAB31P	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16082	ccsbBroad304_16082	U	BC030142	122769	PPIL5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16083	ccsbBroad304_16083	U	BC113675	124872	B4GALNT2	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16084	ccsbBroad304_16084	U	BC029867	124912	SPACA3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16085	ccsbBroad304_16085	U	BC023623	126526	C19orf47	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16086	ccsbBroad304_16086	U	BC032482	126823	KLHDC9	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16087	ccsbBroad304_16087	U	BC012899	129807	NEU4	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16088	ccsbBroad304_16088	U	BC126246	129852	C2orf73	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16089	ccsbBroad304_16089	U	BC126244	129852	C2orf73	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16090	ccsbBroad304_16090	U	BC021898	130340	AP1S3	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16091	ccsbBroad304_16091	U	BC021896	132158	GLYCTK	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16092	ccsbBroad304_16092	U	BC015096	132949	AASDH	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16093	ccsbBroad304_16093	U	BC113408	134957	STXBP5	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16094	ccsbBroad304_16094	U	BC070152	137196	CCDC26	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16095	ccsbBroad304_16095	U	BC010179	138241	C9orf85	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16096	ccsbBroad304_16096	U	BC042813	139341	FUNDC1	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16097	ccsbBroad304_16097	U	BC028416	140612	ZFP28	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16098	ccsbBroad304_16098	U	BC025393	143471	PSMA8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16099	ccsbBroad304_16099	U	BC034603	145447	ABHD12B	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16100	ccsbBroad304_16100	U	BC033979	145946	SPATA8	N/A	hORFeome V8.1 Unsequenced Subcollection
ccsbBroadEn_16101	ccsbBroad304_16101	U	BC028076	147138	TMC8	N/A	hORFeome V8.1 Unsequenced Subcollection



ccsbBroadEn_16102	ccsbBroad304_16102	U	BC113707	147686	ZNF418	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16103	ccsbBroad304_16103	U	BC025318	147700	KLC3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16104	ccsbBroad304_16104	U	BC034383	147965	FAM98C	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16105	ccsbBroad304_16105	U	BC128177	149483	CCDC17	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16106	ccsbBroad304_16106	U	BC119704	149685	ADIG	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16107	ccsbBroad304_16107	U	BC033797	150160	CCT8L2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16108	ccsbBroad304_16108	U	BC025409	153745	FAM71B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16109	ccsbBroad304_16109	U	BC022958	158427	TSTD2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16110	ccsbBroad304_16110	U	BC126192	158506	ZNF645	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16111	ccsbBroad304_16111	U	BC065225	159091	FAM122C	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16112	ccsbBroad304_16112	U	BC031247	159989	CCDC67	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16113	ccsbBroad304_16113	U	BC021238	162394	SLFN5	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16114	ccsbBroad304_16114	U	BC053858	162972	ZNF550	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16115	ccsbBroad304_16115	U	BC013372	162989	DEDD2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16116	ccsbBroad304_16116	U	BC036200	163882	CNST	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16117	ccsbBroad304_16117	U	BC022549	164684	WBP2NL	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16118	ccsbBroad304_16118	U	BC131563	167555	FAM151B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16119	ccsbBroad304_16119	U	BC050700	170685	NUDT10	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16120	ccsbBroad304_16120	U	BC016805,BC016808	171546	C14orf147	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16121	ccsbBroad304_16121	U	BC057233	200185	KRTCAP2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16122	ccsbBroad304_16122	U	BC026085	203102	ADAM32	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16123	ccsbBroad304_16123	U	BC065938	203523	ZNF449	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16124	ccsbBroad304_16124	U	BC034500	204219	LASS3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16125	ccsbBroad304_16125	U	BC045809	206338	AQPEP	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16126	ccsbBroad304_16126	U	BC034497	220108	FAM124A	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16127	ccsbBroad304_16127	U	BC130567	220963	SLC16A9	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16128	ccsbBroad304_16128	U	BC047635	221074	SLC39A12	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16129	ccsbBroad304_16129	U	BC015155	221120	ALKBH3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16130	ccsbBroad304_16130	U	BC013418	221150	SKA3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16131	ccsbBroad304_16131	U	BC031089	221154	EFHA1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16132	ccsbBroad304_16132	U	BC022399	221476	PI16	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16133	Failed LR reaction	U	BC019903	245812	CNPY4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16134	ccsbBroad304_16134	U	BC067898	253832	ZDHHC20	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16135	ccsbBroad304_16135	U	BC045563	254122	SNX32	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16136	ccsbBroad304_16136	U	BC033734	256957	C17orf66	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16137	ccsbBroad304_16137	U	BC023560	257019	FRMD3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16138	ccsbBroad304_16138	U	BC090852	259307	IL411	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16139	Failed LR reaction	U	BC064378	259307	IL411	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16140	ccsbBroad304_16140	U	BC007488	260294	NSUN5P2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16141	ccsbBroad304_16141	U	BC056405	260294	NSUN5P2	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16142	ccsbBroad304_16142	U	BC126183	282618	IL29	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16143	ccsbBroad304_16143	U	BC036869	283130	SLC25A45	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16144	ccsbBroad304_16144	U	BC125040	283150	FOXR1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16145	ccsbBroad304_16145	U	BC126170	283208	P4HA3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16146	ccsbBroad304_16146	U	BC112307	283383	GPR133	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16147	ccsbBroad304_16147	U	BC017261	284403	WDR62	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16148	ccsbBroad304_16148	U	BC067734	284656	EPHA10	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16149	ccsbBroad304_16149	U	BC028935	285203	C3orf64	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16150	ccsbBroad304_16150	U	BC062362	285367	RPUSD3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16151	ccsbBroad304_16151	U	BC131544	285489	DOK7	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16152	ccsbBroad304_16152	U	BC117233	285966	FAM115C	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16153	ccsbBroad304_16153	U	BC130474	287015	TRIM42	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16154	ccsbBroad304_16154	U	BC125070	317761	C14orf39	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16155	ccsbBroad304_16155	U	BC117199	337971	KRTAP19-4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16156	ccsbBroad304_16156	U	BC035810	338328	GPIHBP1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16157	ccsbBroad304_16157	U	BC044239	338692	ANKRD13D	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16158	ccsbBroad304_16158	U	BC121024	338692	ANKRD13D	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16159	ccsbBroad304_16159	U	BC066981	339010	POTEB	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16160	ccsbBroad304_16160	U	BC039707	339047	LOC339047	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16161	ccsbBroad304_16161	U	BC001231,BC050715	373156	GSTK1	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16162	ccsbBroad304_16162	U	BC053561	374868	ATP9B	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16163	ccsbBroad304_16163	U	BC129941	375612	LHFPL3	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16164	ccsbBroad304_16164	U	BC130556	388325	C17orf87	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16165	ccsbBroad304_16165	U	BC019835	388677	NOTCH2NL	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16166	ccsbBroad304_16166	U	BC070116	400566	C17orf97	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16167	ccsbBroad304_16167	U	BC132803	401260	FLJ41649	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16168	ccsbBroad304_16168	U	BC121813	401508	FAM74A4	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16169	ccsbBroad304_16169	U	BC018206	653784	MZT2A	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16170	ccsbBroad304_16170	U	BC110417	100132979	GOLGA8DP	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16171	ccsbBroad304_16171	U	BC021178	100288797	LOC100288797	N/A	hORFeome V8.1 Unsequenced Subcollection				
ccsbBroadEn_16172	ccsbBroad304_16172	U				N/A	hORFeome V8.1 Unsequenced Subcollection				