

# Changelog

## 3.13.0

### Improvements

- Support FASTQ files containing more than 2 billion reads
- Revised barcode policy support for paired-end mode

## 3.12.2

- Updated documentation

## 3.12.1

No user-facing changes

## 3.12.0

- Update to Scala 3.3.1

## 3.11.0

- Machine-parseable condition barcode summary file

## 3.10.0

- More efficient and memory-safe sampling technique for unexpected sequence reporting

## 3.9.0

- Use sampling technique for generating unexpected sequence reports

## 3.8.0

- Replace kantan.csv with scala-csv

## 3.7.2

- Parse barcodes from read IDs in demultiplexed mode

## 3.7.1

- Adjust handling of command-line arguments in demultiplexed FASTQ file case

### **3.7.0**

- Support for processing demultiplexed FASTQ files

### **3.6.4**

No user-facing changes

### **3.6.3**

#### **Improvements**

- Documentation for processing demultiplexed FASTQ files

### **3.6.2**

#### **Improvements**

- Additional validation of FASTQ records to detect badly concatenated files
- Documentation for read ID check policy

### **3.6.1**

#### **Improvements**

- Add a specialized template barcode policy to optimize a common use case, where a template matches 2 barcode regions, each of which has a short prefix, separated by a fixed length run of arbitrary barcodes.

### **3.6.0**

#### **Improvements**

- Support reading multiple reads files sequentially as part of a single run

### **3.5.0**

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### **3.4.4**

No user-facing changes

### **3.4.3**

#### **Improvements**

- Report empty conditions as “Unlabeled Sample Barcodes”

### 3.4.2

#### Improvements

- Add support for different read ID checking policies, including one specific to Illumina which ignores divergent material after the first space in the ID line.

#### Bugfixes

- Corrected fixed barcode prefix policies to allow the ‘FIXED@’ syntax, per the documentation; previous versions required the syntax ‘FIXED:’. For backwards compatibility, the former syntax is still supported but in future versions this may be removed.

### 3.4.1

No user-facing changes

### 3.4.0

#### Improvements

- Added support for reading row barcodes from paired-end sequencing data

### 3.3.4

#### Improvements

- Improved error message in the case where reads are too short

### 3.3.3

No user-facing changes

### 3.3.2

No user-facing changes

### 3.3.1

#### Improvements

- Advanced setting `--always-count-col-barcodes` (disabled by default). When enabled, PoolQ counts column barcodes from reads even if a row barcode is not found, which changes the per column barcode metrics `Matched Sample Barcode` and `% Match`, reported in the quality file.

### **3.3.0**

#### **Improvements**

- Support UMI barcodes

### **3.2.11**

#### **Improvements**

- Allow empty barcode IDs in row and column reference files

### **3.2.10**

No user-facing changes

### **3.2.9**

#### **Improvements**

- Updated manual

### **3.2.8**

No user-facing changes

### **3.2.7**

No user-facing changes

### **3.2.6**

No user-facing changes

### **3.2.5**

No user-facing changes

### **3.2.4**

No user-facing changes

### **3.2.3**

#### **Bugfixes**

- Correctly skip writing correlation file when there is only a single construct barcode or a single experimental condition

### 3.2.1

#### Improvements

- Added whitespace to run info file for readability

### 3.2.0

#### Improvements

- Add `Normalized Match` column to quality file
- Change quality file header from `Read counts for sample barcodes without associated conditions:` to `Read counts for most common sample barcodes without associated conditions:`
- Change terminology from `scores` to `counts`
- Log version and run configuration in run info file
- Add changelog

### 3.1.1

#### Bugfixes

- Correctly skip writing correlation file when there is only a single experimental condition

### 3.1.0

No user-facing changes

### 3.0.5

#### Bugfixes

- Fixed path to PoolQ jar in `Makefile` and scripts distributed with PoolQ

#### Improvements

- Added regression tests for barcode counts and log-normalized counts files

### 3.0.4

#### Bugfixes

- Fixed delimiter in `Construct IDs` field of log-normalized counts files

### 3.0.3

No user-facing changes

### **3.0.2**

No user-facing changes

### **3.0.1**

#### **Improvements**

- Made 5' search limit optional when specifying a row barcode search template

### **3.0.0**

- Complete re-write of PoolQ