

# eDentity Sequencer Qc

2024-10-23

## 1.1.1 Percentage of bases $\geq$ Q30

Illumina	Elements
88.94	91.53

## 1.1.2 Read Length Retention after Q30 Trimming (Percentage)

Illumina	Elements
94.67	94.46

## 1.2.1 Homopolymer Accuracy

Illumina	Elements
0.05	-0.01

## 1.2.2 Demultiplexing Efficiency (Percentage)

illumina
68.77

## 1.2.3 PhiX Control performance

ADD ILLUMINA

### Elements

PhiX Error Rate: 0.022586

PhiX Alignment Rate: 0.6086

PhiX Coverage Uniformity:

- Coefficient of Variation: 0.4593
- Percentage within  $\pm 20\%$  of mean coverage: 0.4330

Additional Information:

- Total Reads: 792
- Mapped Reads: 482
- Mean Coverage: 26.73
- Coverage Range: 1 - 70

### 1.2.4 Duplicate Read Rate (Percentage)

Percentage of duplicate reads in in a standard non-amplified library

Illumina	Elements
51.1	46.42

### 1.2.5 GC Bias

Deviation of coverage in GC-rich regions compared to AT-rich regions

Elements
6.24