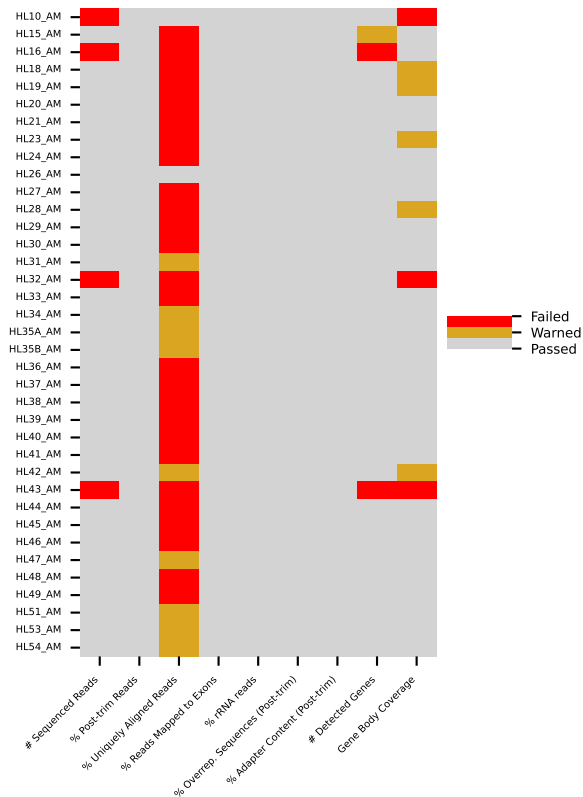


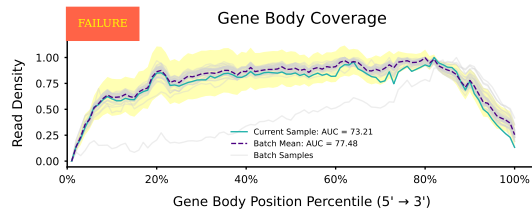
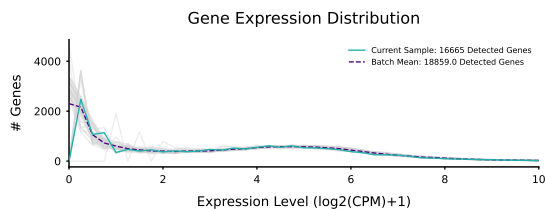
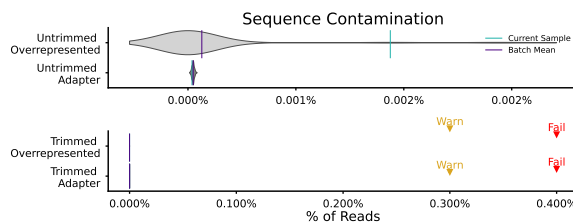
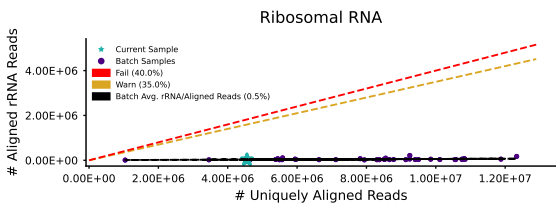
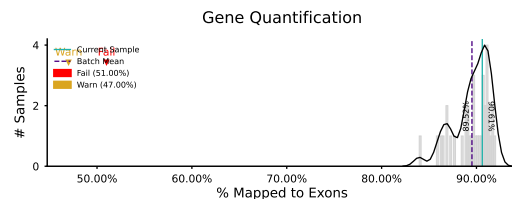
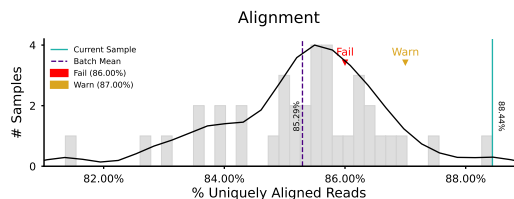
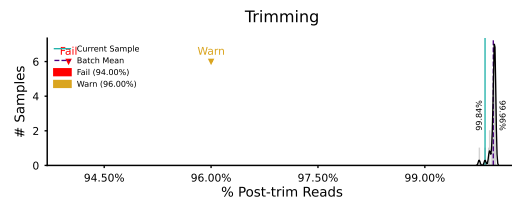
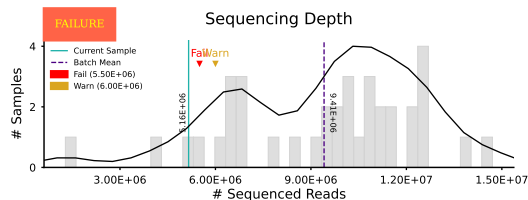
QC-DR Input Summary

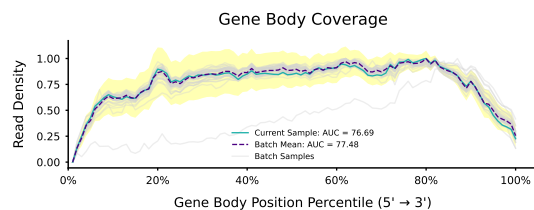
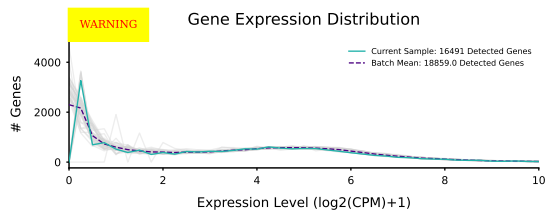
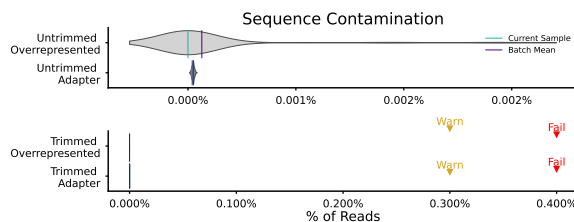
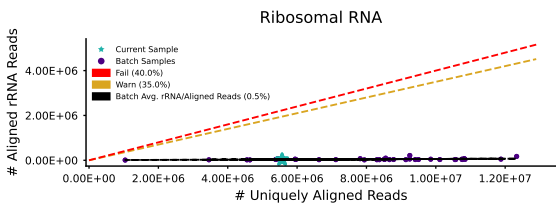
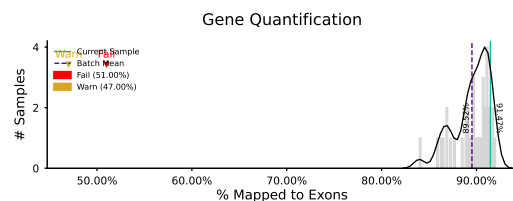
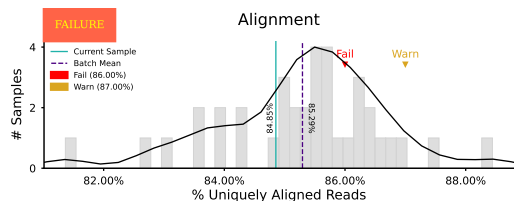
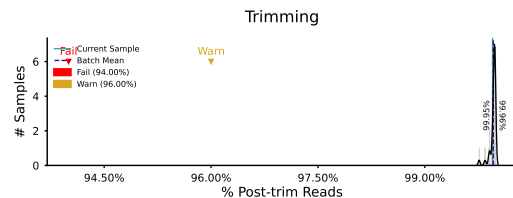
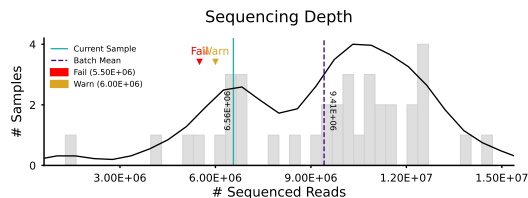
Input table = ../data/LungTransplant/LungTransplantQCTable.csv
Output location = TestOutputsQCQuickJun12/LungTransplantwCutoffTest
Background table = ../data/LungTransplant/LungTransplantQCTable.csv
Gene Body Coverage file = ../data/LungTransplant/LungTransplant_GBC.csv
Raw count table = ../data/LungTransplant/LungTransplantRawCounts.csv
Cutoff file = ../data/LungTransplant/LTcutoffsMay20.xlsx

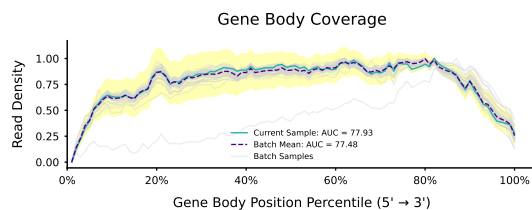
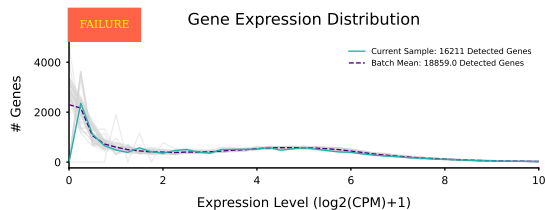
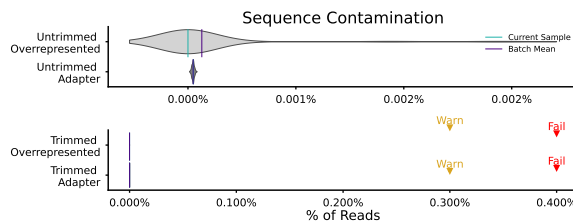
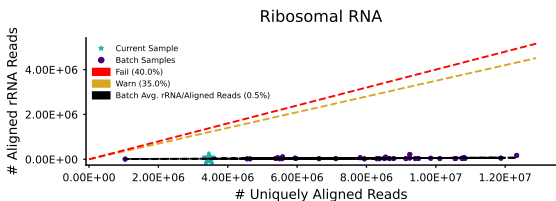
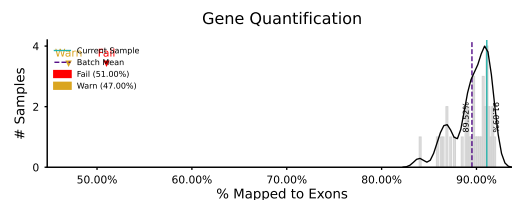
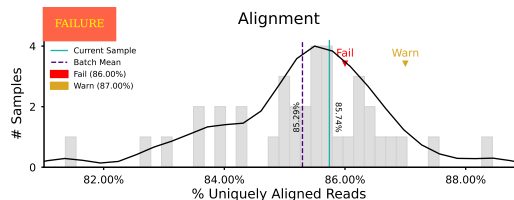
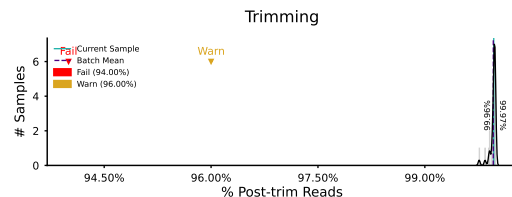
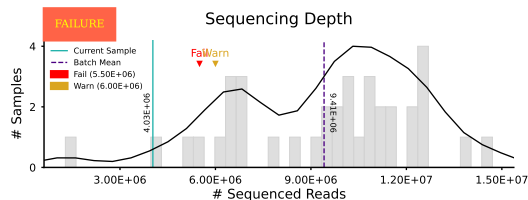
Quality Cutoff Thresholds
Sequenced Reads (<): Warn: 5,500,000 | Fail: 6,000,000
% Post-trim Reads (<): Warn: 94.000% | Fail: 96.000%
% Uniquely Aligned Reads (<): Warn: 86.000% | Fail: 87.000%
% Reads Mapped to Exons (<): Warn: 51.000% | Fail: 47.000%
% rRNA reads (>): Warn: 0.400% | Fail: 0.350%
% Overrep. Sequences (Post-trim) (>): Warn: 0.400% | Fail: 0.300%
% Adapter Content (Post-trim) (>): Warn: 0.400% | Fail: 0.300%
Detected Genes (<): Warn: 16,300 | Fail: 16,600
Gene Body Coverage (>): Warn: 0.300 | Fail: 0.250

Summary of QC Metrics

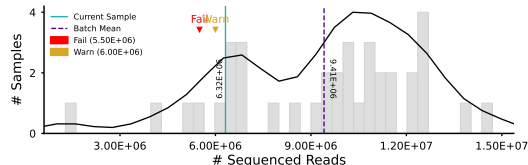




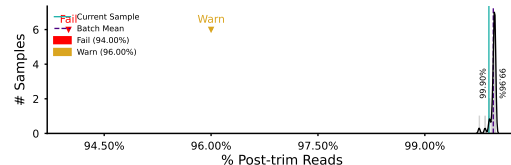




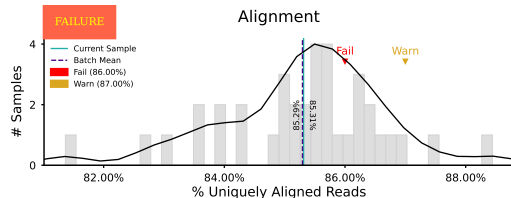
Sequencing Depth



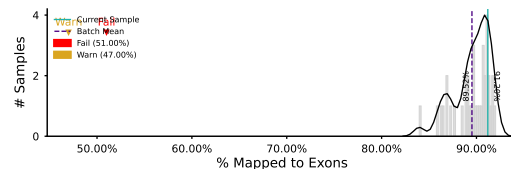
Trimming



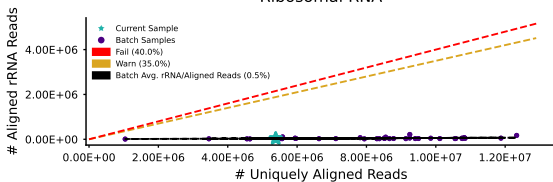
Alignment



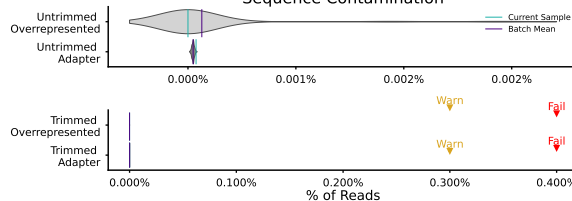
Gene Quantification



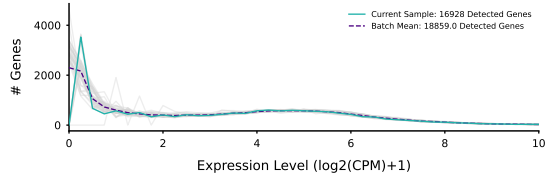
Ribosomal RNA



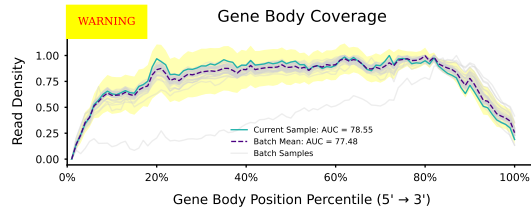
Sequence Contamination



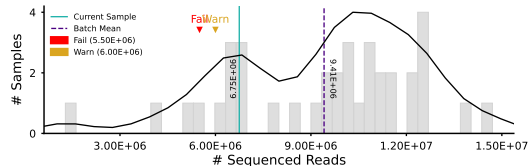
Gene Expression Distribution



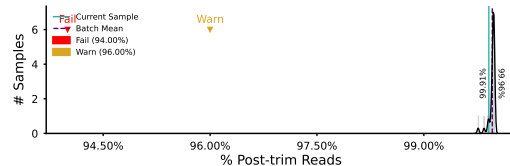
Gene Body Coverage



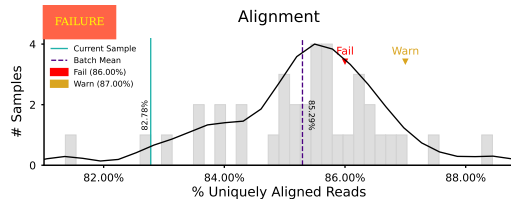
Sequencing Depth



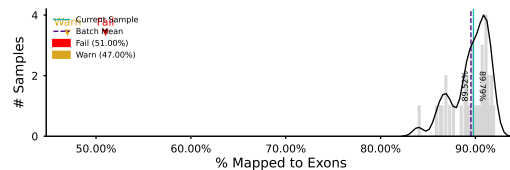
Trimming



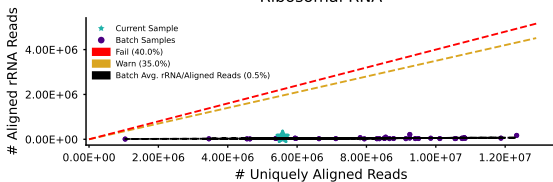
Alignment



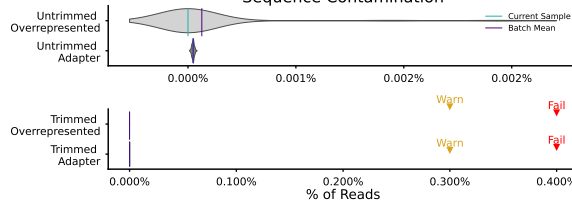
Gene Quantification



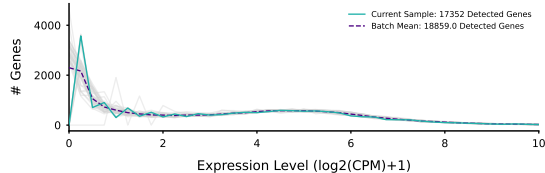
Ribosomal RNA



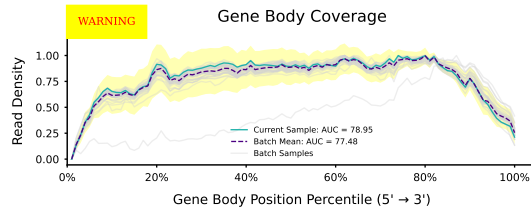
Sequence Contamination



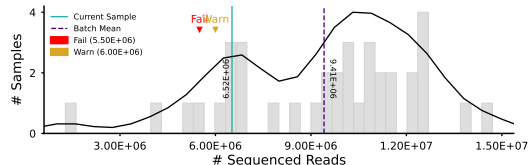
Gene Expression Distribution



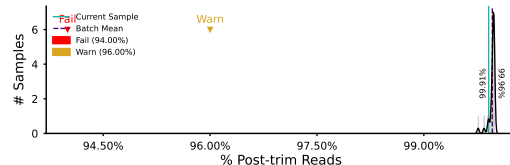
Gene Body Coverage



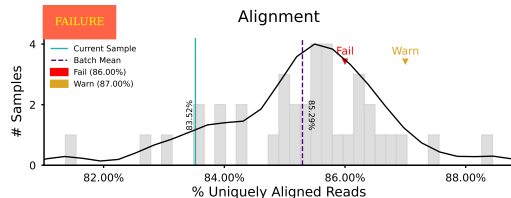
Sequencing Depth



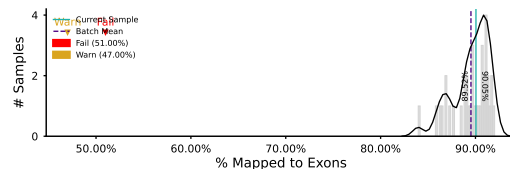
Trimming



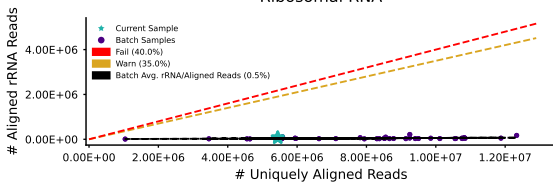
Alignment



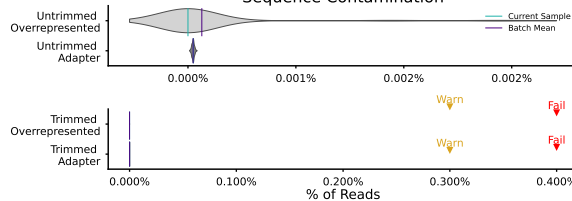
Gene Quantification



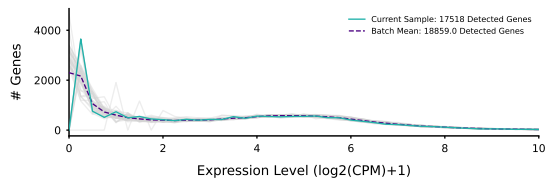
Ribosomal RNA



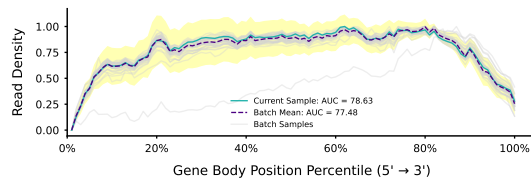
Sequence Contamination



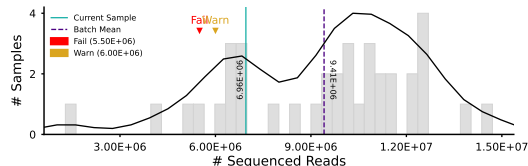
Gene Expression Distribution



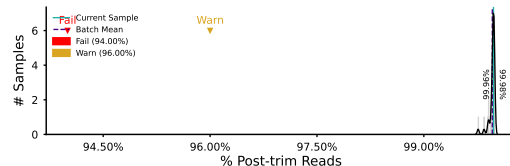
Gene Body Coverage



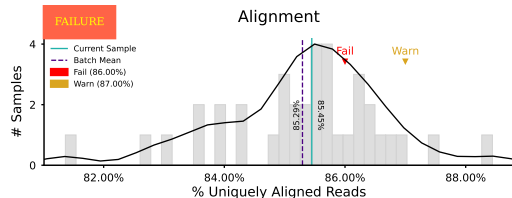
Sequencing Depth



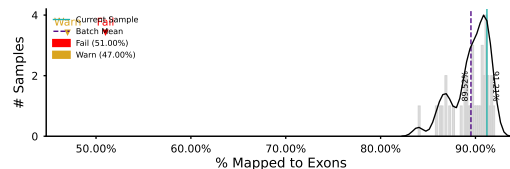
Trimming



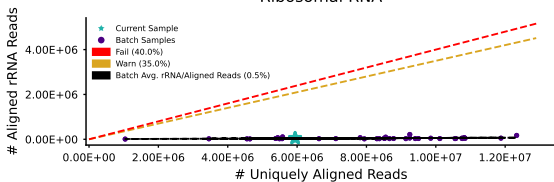
Alignment



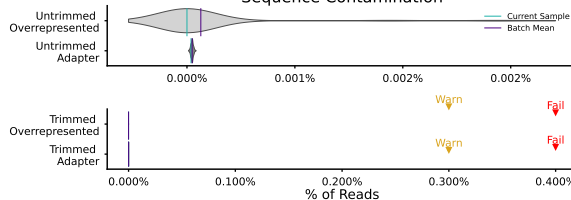
Gene Quantification



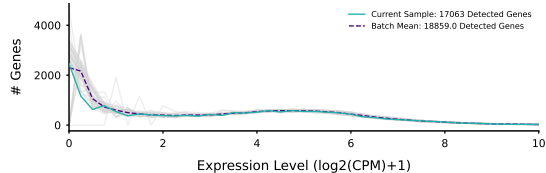
Ribosomal RNA



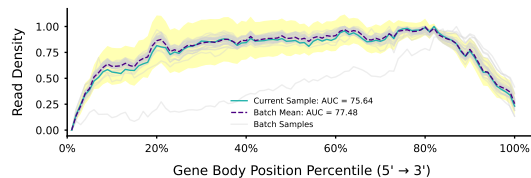
Sequence Contamination



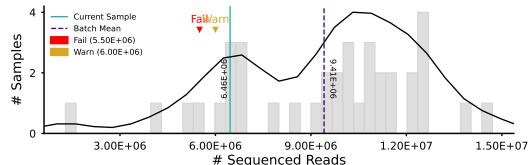
Gene Expression Distribution



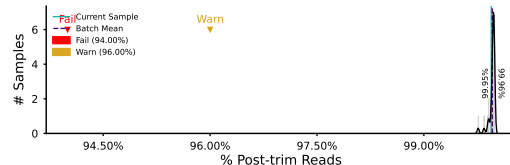
Gene Body Coverage



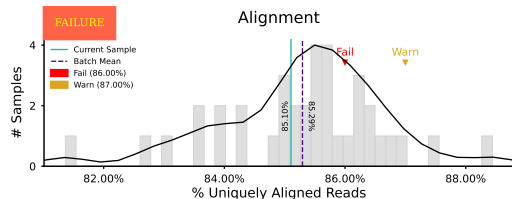
Sequencing Depth



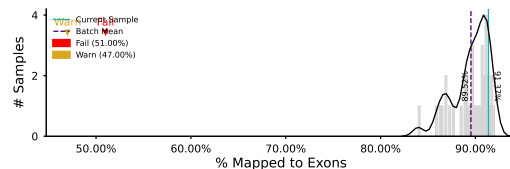
Trimming



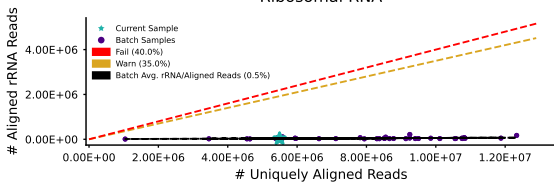
Alignment



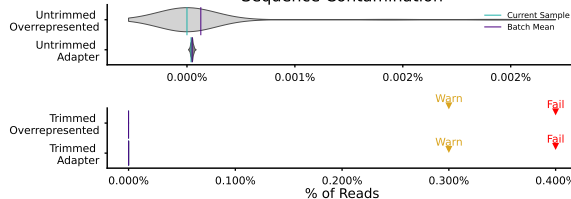
Gene Quantification



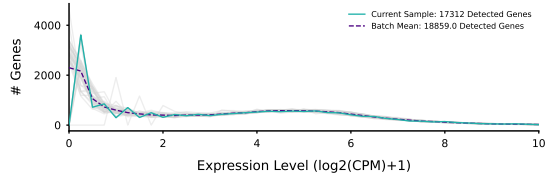
Ribosomal RNA



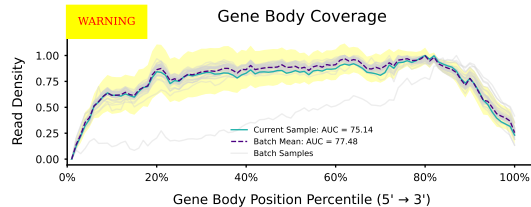
Sequence Contamination



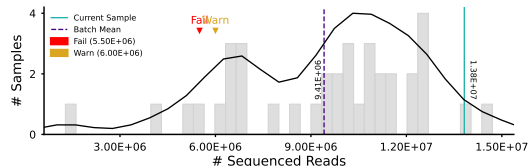
Gene Expression Distribution



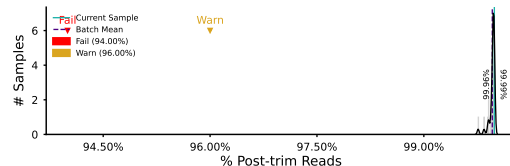
Gene Body Coverage



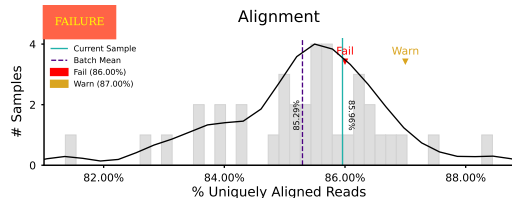
Sequencing Depth



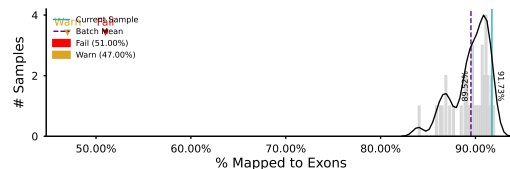
Trimming



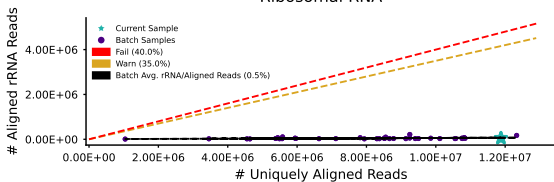
Alignment



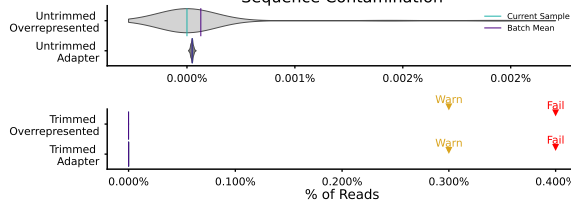
Gene Quantification



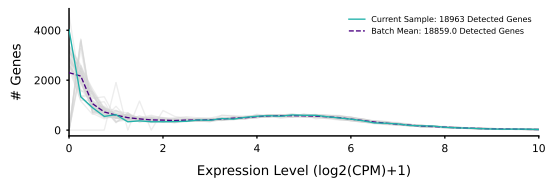
Ribosomal RNA



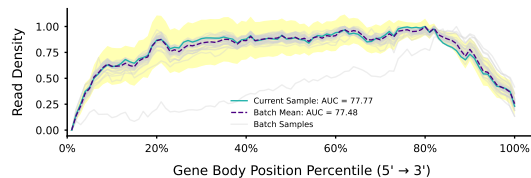
Sequence Contamination



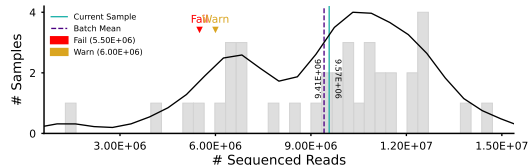
Gene Expression Distribution



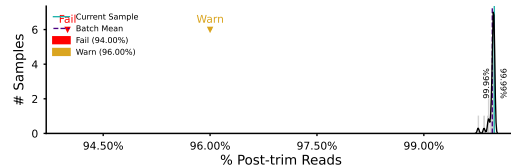
Gene Body Coverage



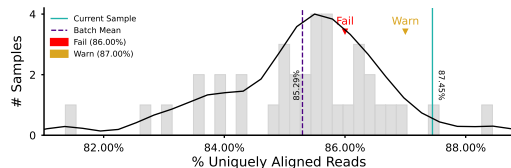
Sequencing Depth



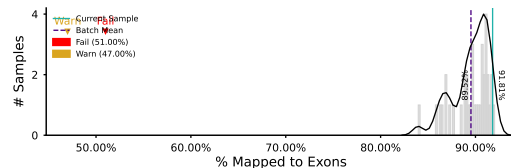
Trimming



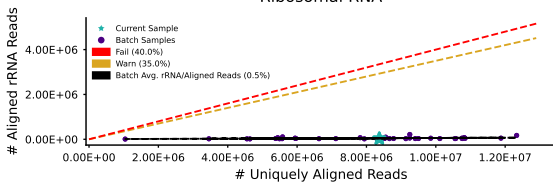
Alignment



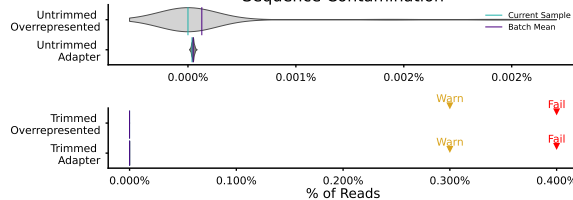
Gene Quantification



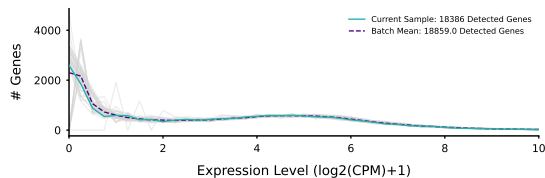
Ribosomal RNA



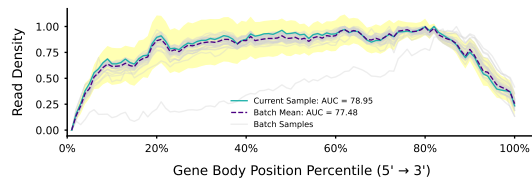
Sequence Contamination



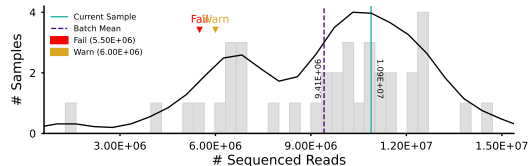
Gene Expression Distribution



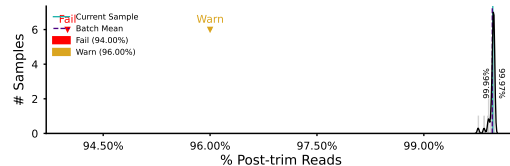
Gene Body Coverage



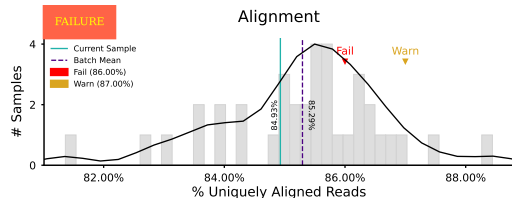
Sequencing Depth



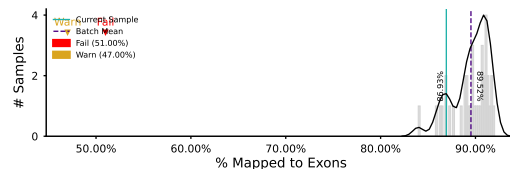
Trimming



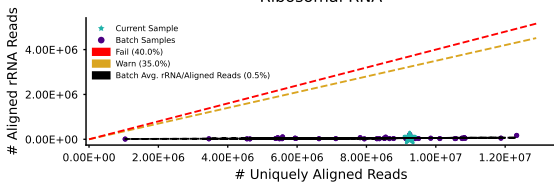
Alignment



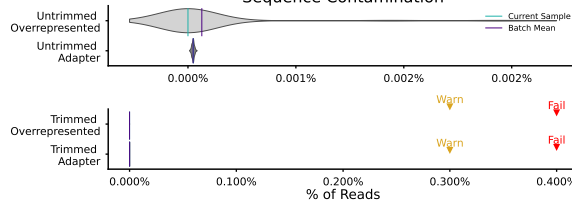
Gene Quantification



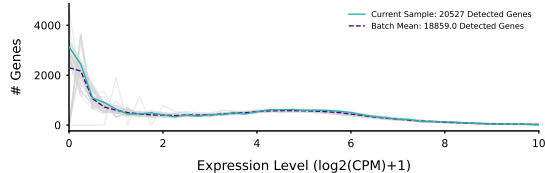
Ribosomal RNA



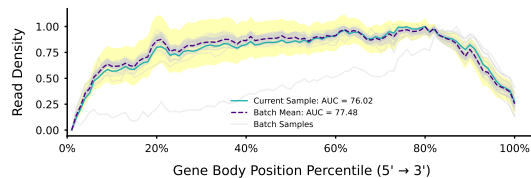
Sequence Contamination



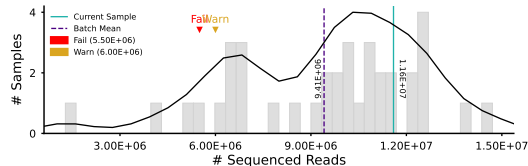
Gene Expression Distribution



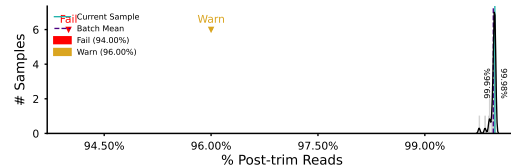
Gene Body Coverage



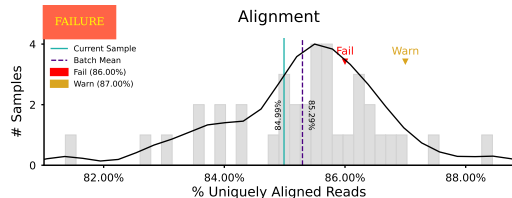
Sequencing Depth



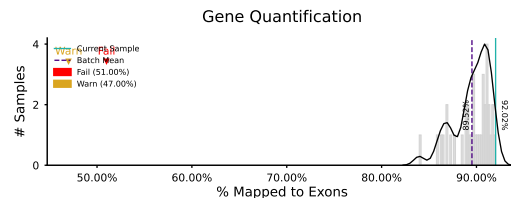
Trimming



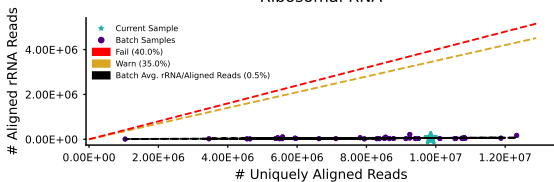
Alignment



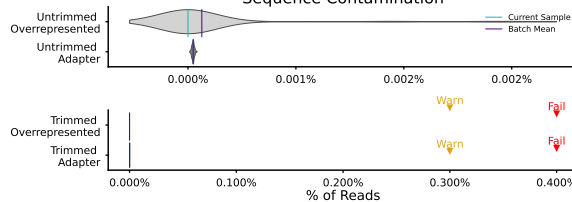
Gene Quantification



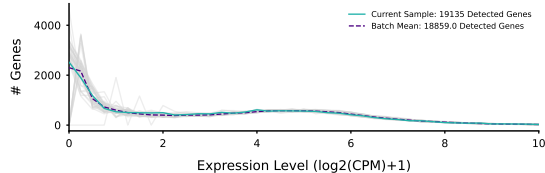
Ribosomal RNA



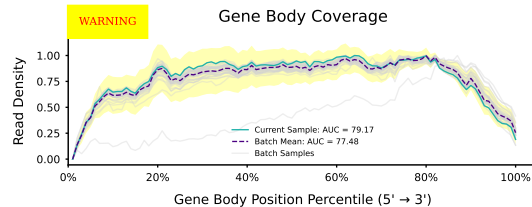
Sequence Contamination



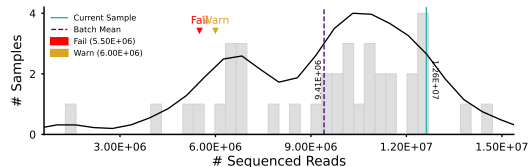
Gene Expression Distribution



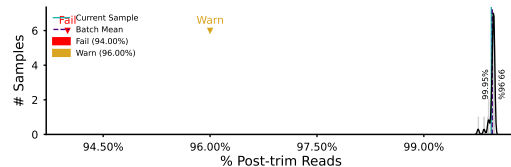
Gene Body Coverage



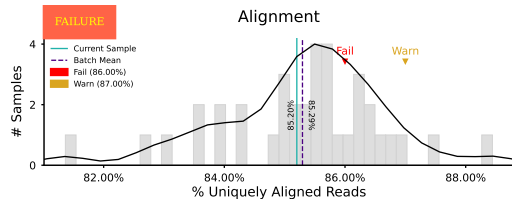
Sequencing Depth



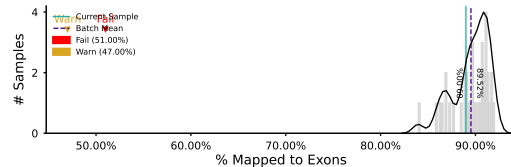
Trimming



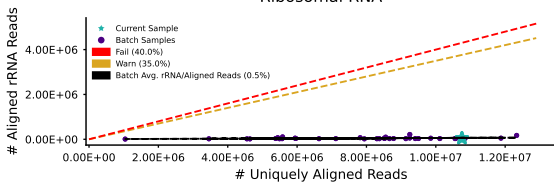
Alignment



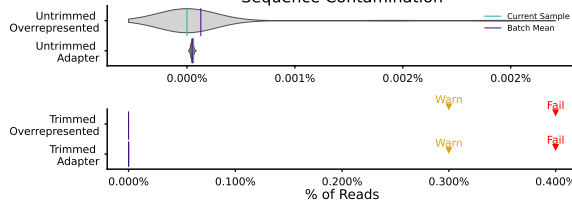
Gene Quantification



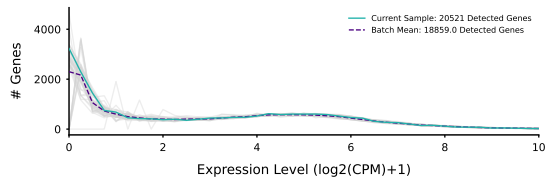
Ribosomal RNA



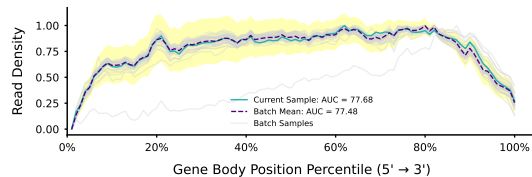
Sequence Contamination



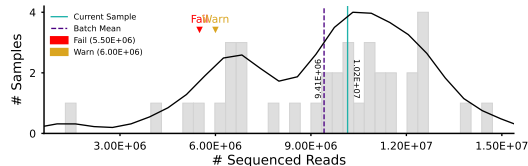
Gene Expression Distribution



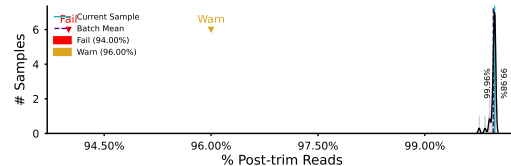
Gene Body Coverage



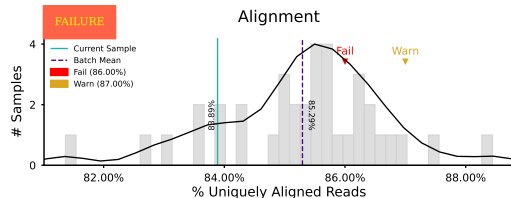
Sequencing Depth



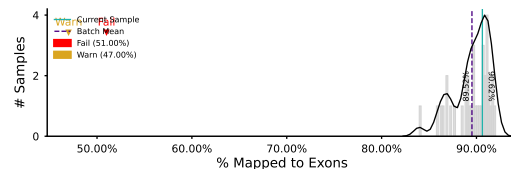
Trimming



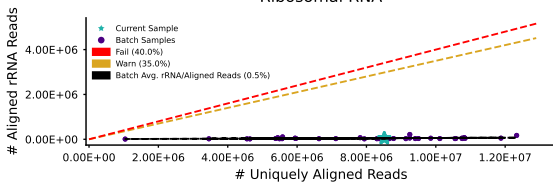
Alignment



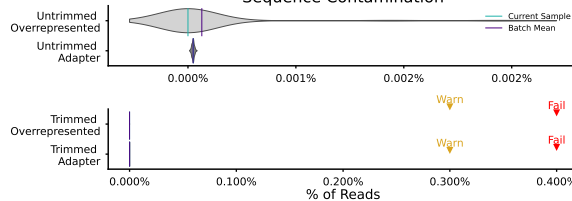
Gene Quantification



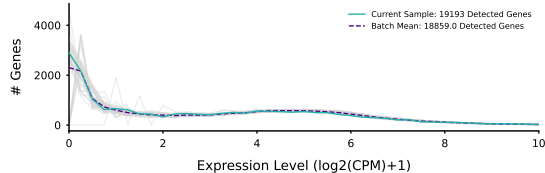
Ribosomal RNA



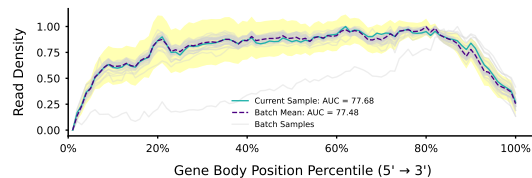
Sequence Contamination



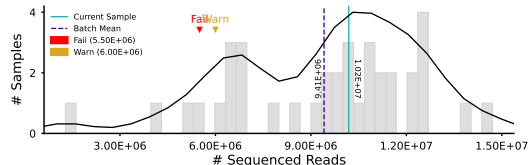
Gene Expression Distribution



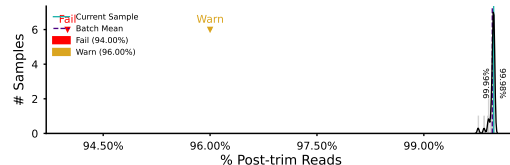
Gene Body Coverage



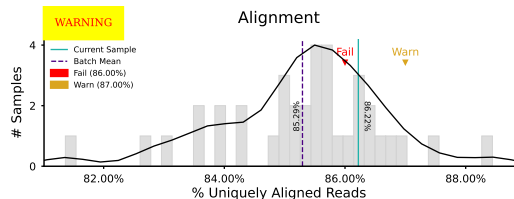
Sequencing Depth



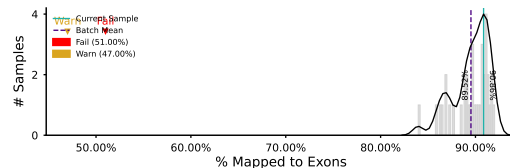
Trimming



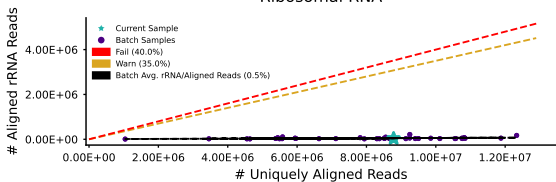
Alignment



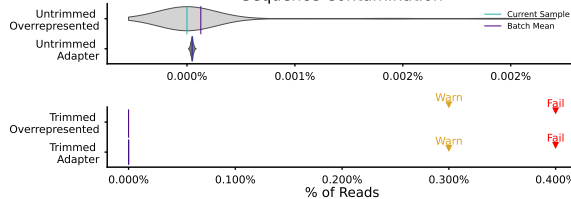
Gene Quantification



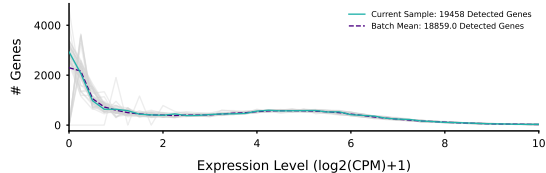
Ribosomal RNA



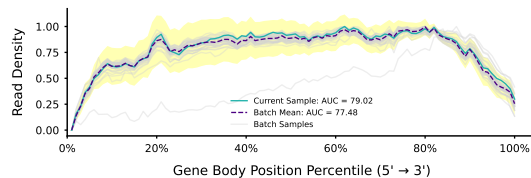
Sequence Contamination

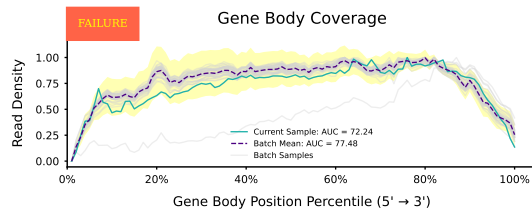
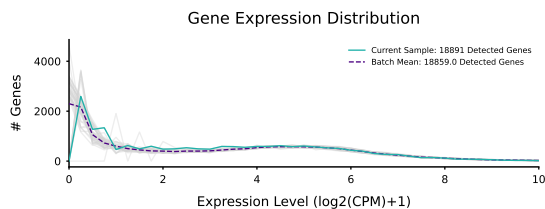
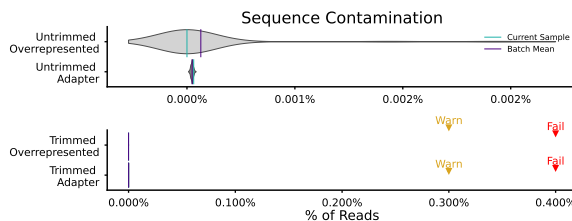
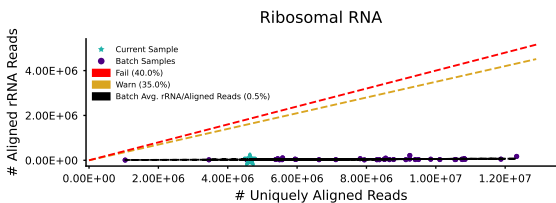
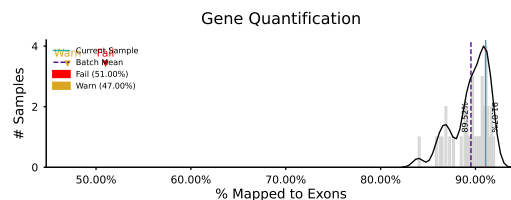
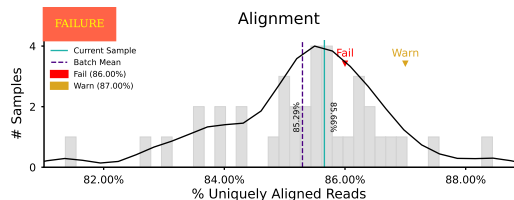
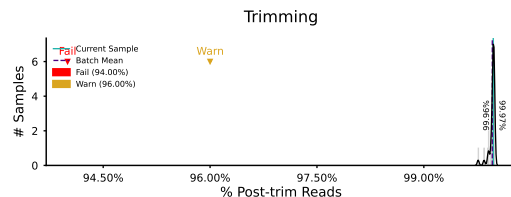
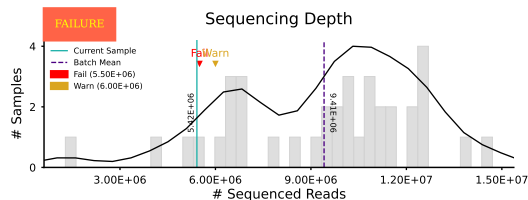


Gene Expression Distribution

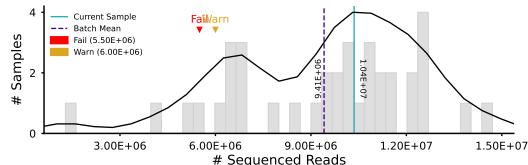


Gene Body Coverage

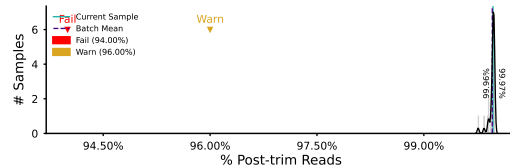




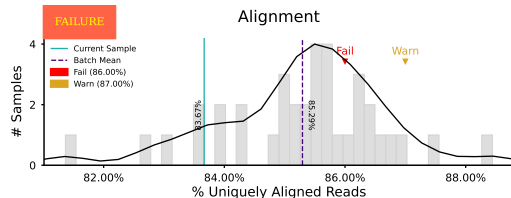
Sequencing Depth



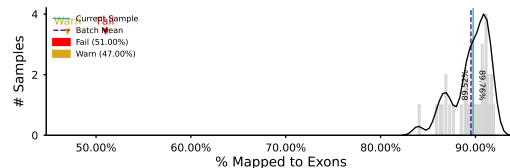
Trimming



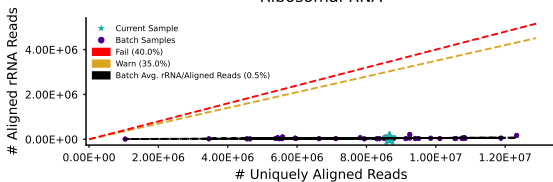
Alignment



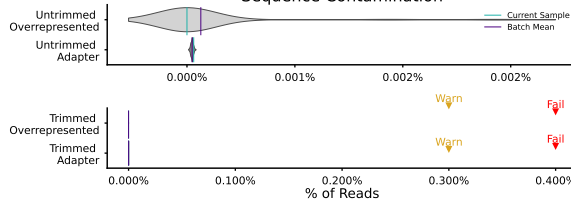
Gene Quantification



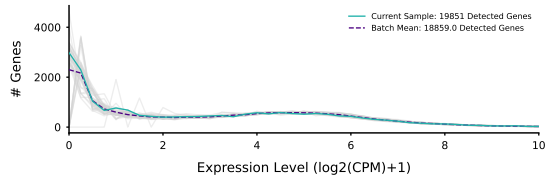
Ribosomal RNA



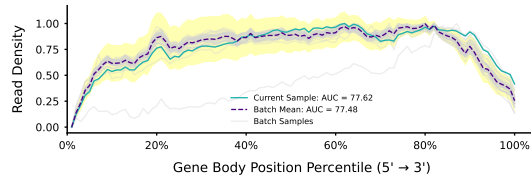
Sequence Contamination



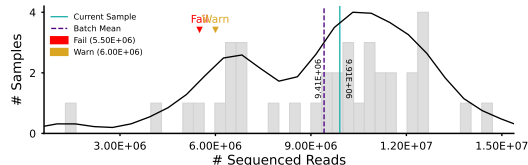
Gene Expression Distribution



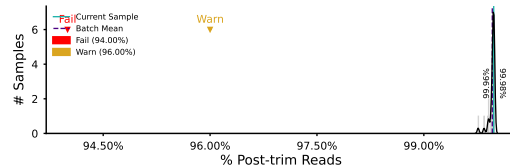
Gene Body Coverage



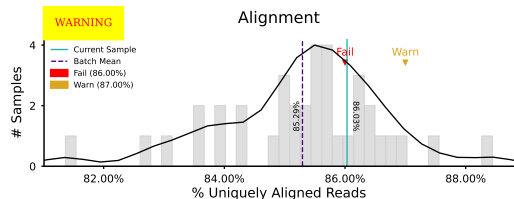
Sequencing Depth



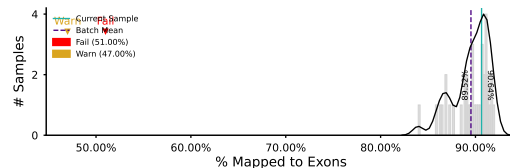
Trimming



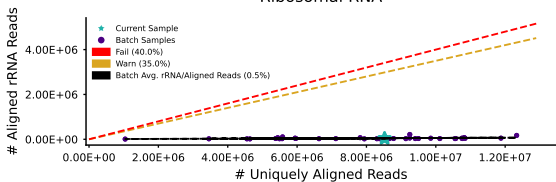
Alignment



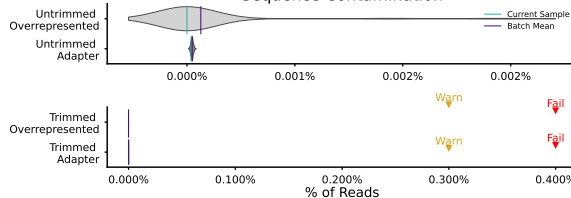
Gene Quantification



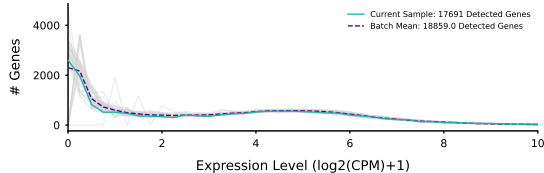
Ribosomal RNA



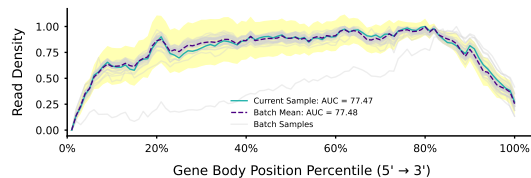
Sequence Contamination



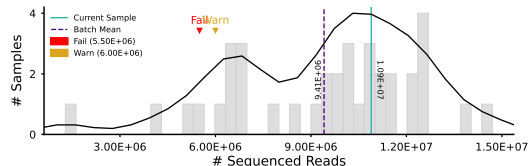
Gene Expression Distribution



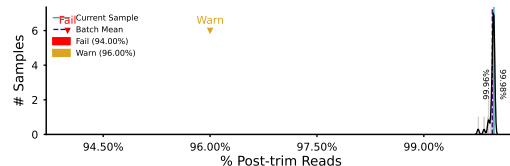
Gene Body Coverage



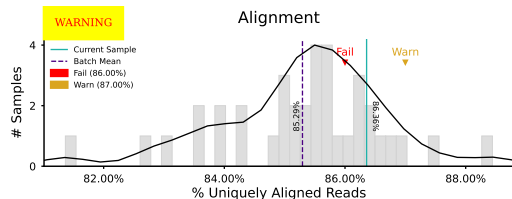
Sequencing Depth



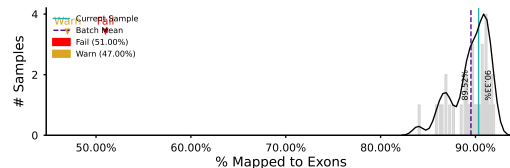
Trimming



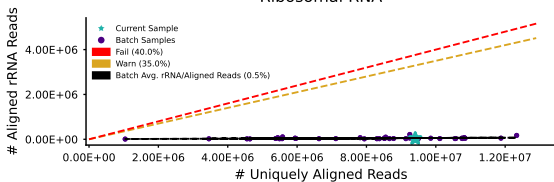
Alignment



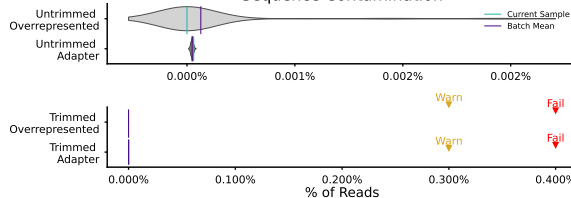
Gene Quantification



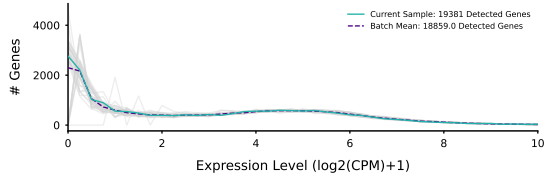
Ribosomal RNA



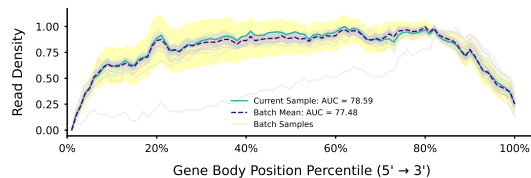
Sequence Contamination



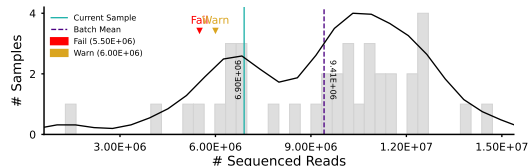
Gene Expression Distribution



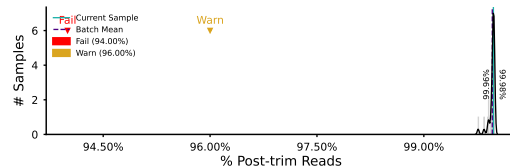
Gene Body Coverage



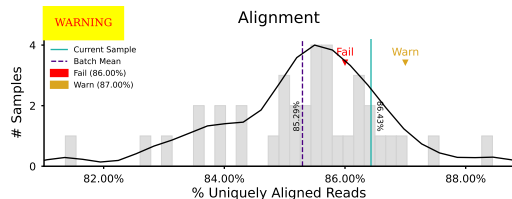
Sequencing Depth



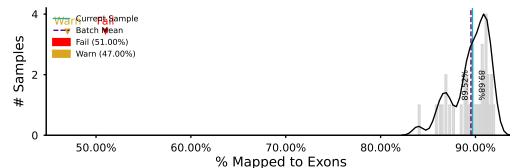
Trimming



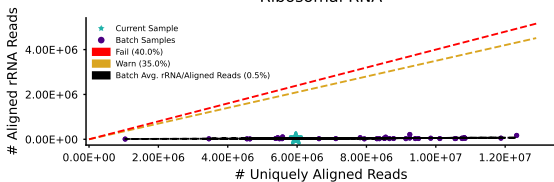
Alignment



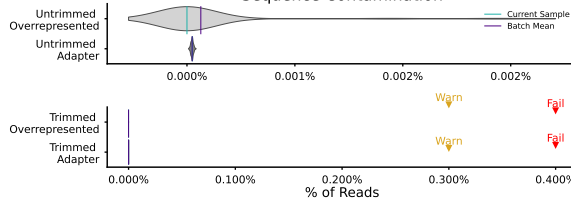
Gene Quantification



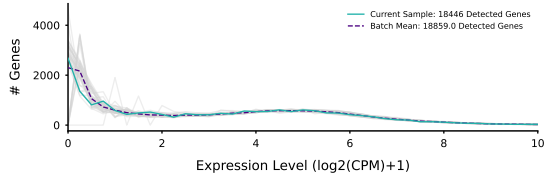
Ribosomal RNA



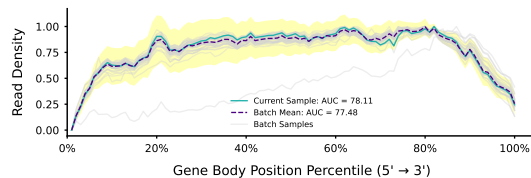
Sequence Contamination



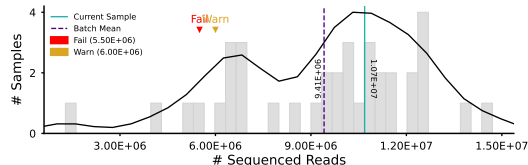
Gene Expression Distribution



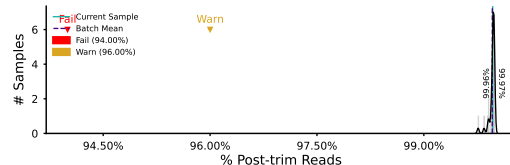
Gene Body Coverage



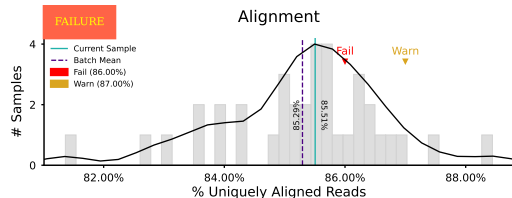
Sequencing Depth



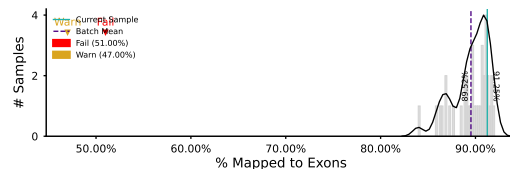
Trimming



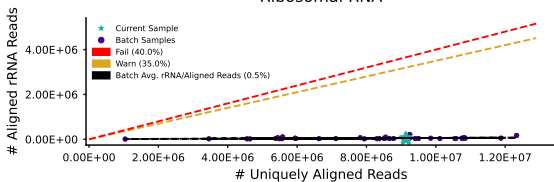
Alignment



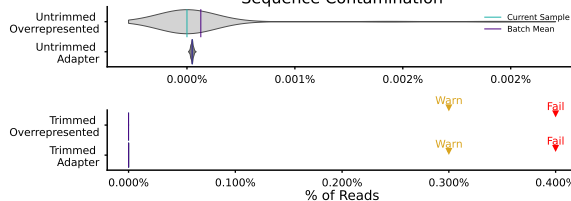
Gene Quantification



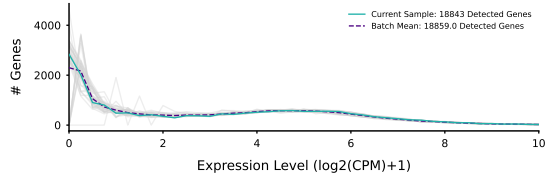
Ribosomal RNA



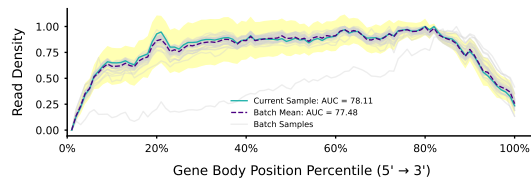
Sequence Contamination



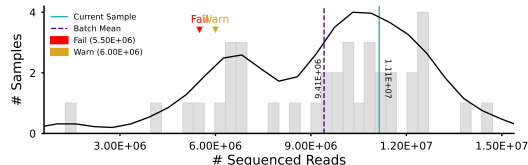
Gene Expression Distribution



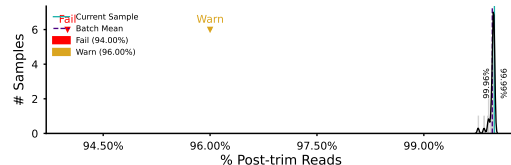
Gene Body Coverage



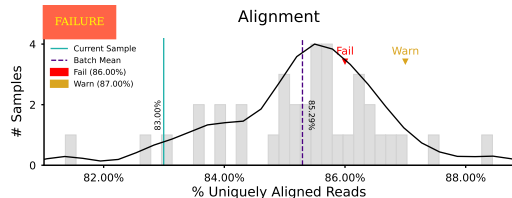
Sequencing Depth



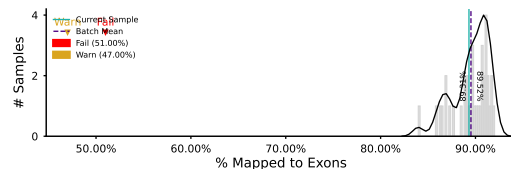
Trimming



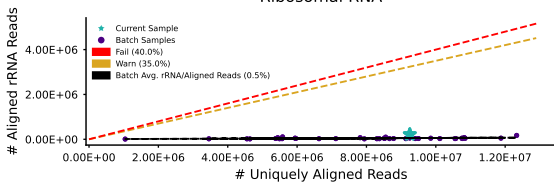
Alignment



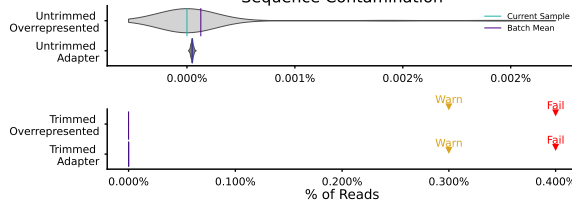
Gene Quantification



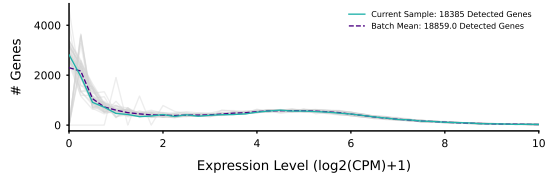
Ribosomal RNA



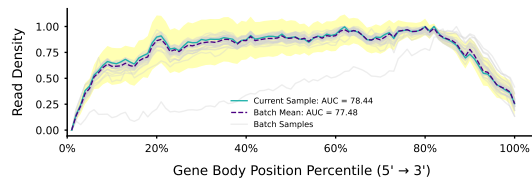
Sequence Contamination



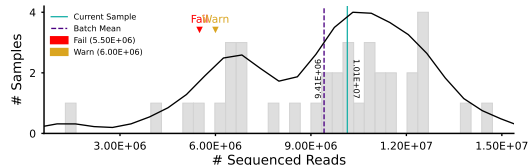
Gene Expression Distribution



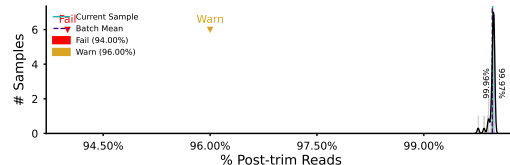
Gene Body Coverage



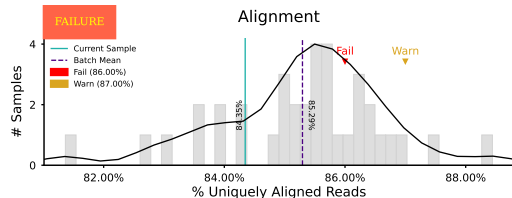
Sequencing Depth



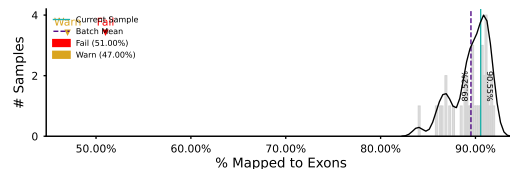
Trimming



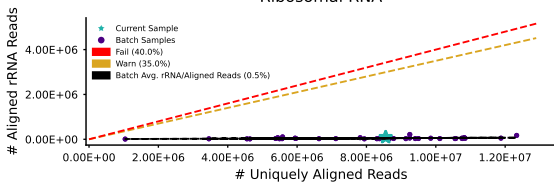
Alignment



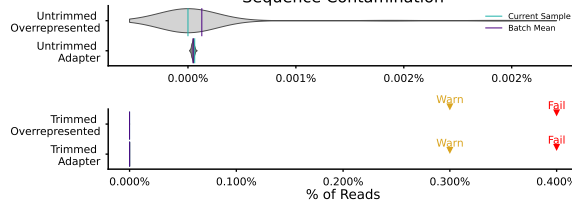
Gene Quantification



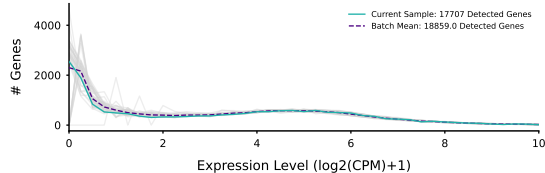
Ribosomal RNA



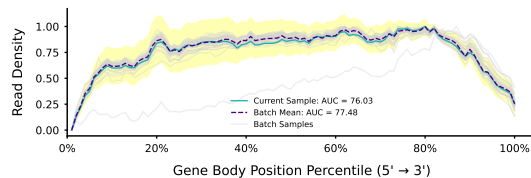
Sequence Contamination



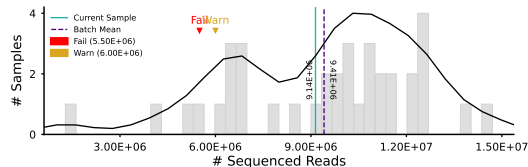
Gene Expression Distribution



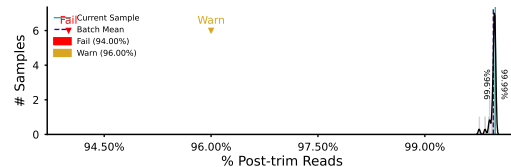
Gene Body Coverage



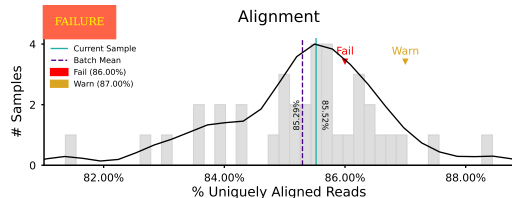
Sequencing Depth



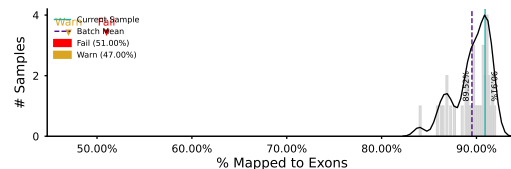
Trimming



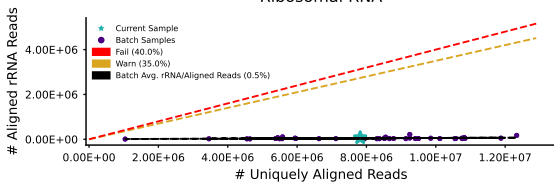
Alignment



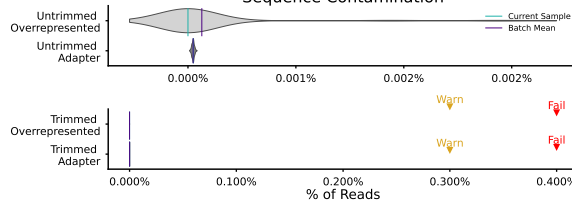
Gene Quantification



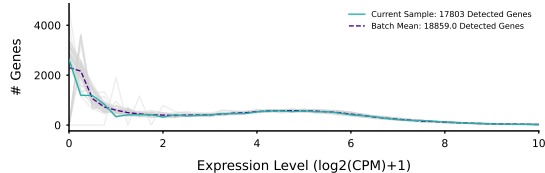
Ribosomal RNA



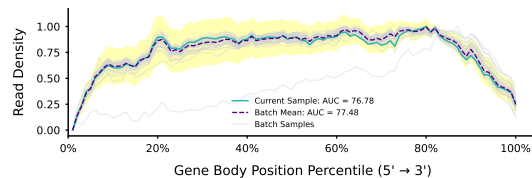
Sequence Contamination



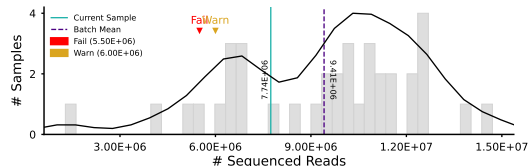
Gene Expression Distribution



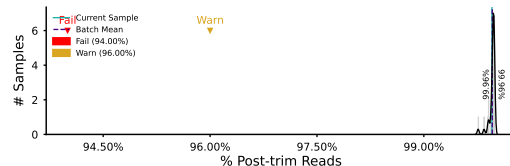
Gene Body Coverage



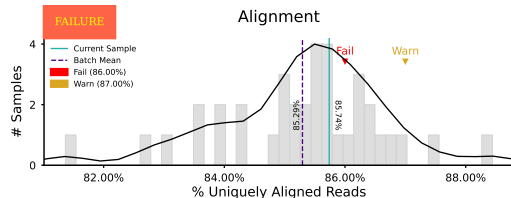
Sequencing Depth



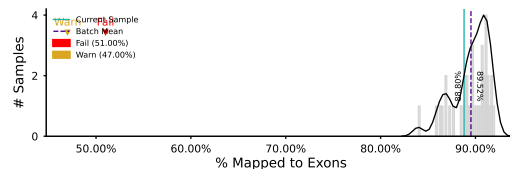
Trimming



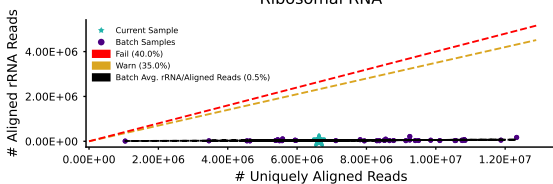
Alignment



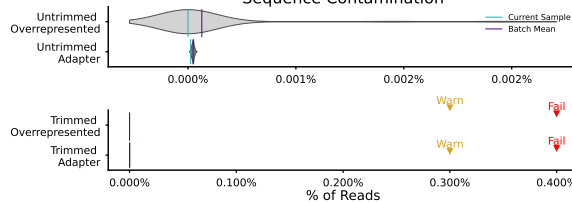
Gene Quantification



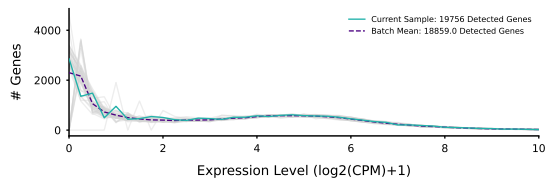
Ribosomal RNA



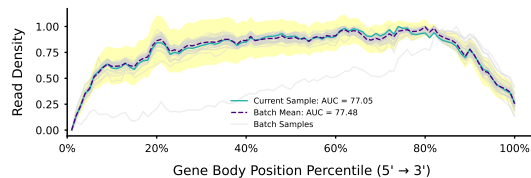
Sequence Contamination



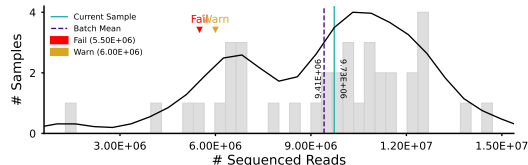
Gene Expression Distribution



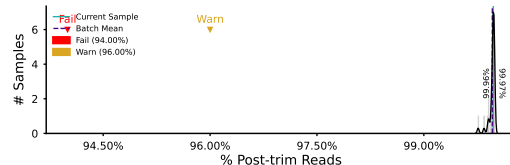
Gene Body Coverage



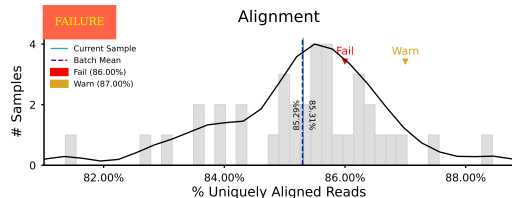
Sequencing Depth



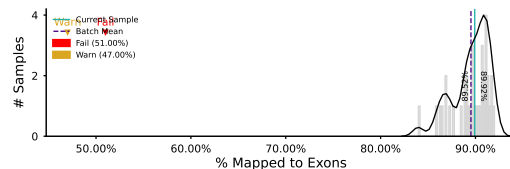
Trimming



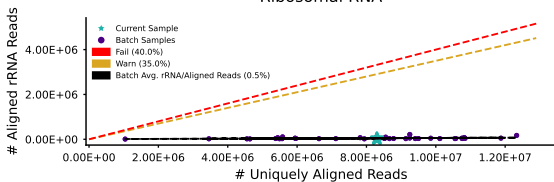
Alignment



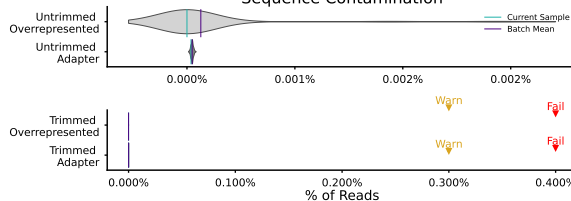
Gene Quantification



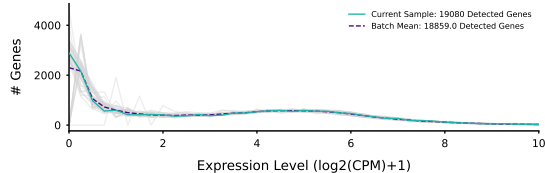
Ribosomal RNA



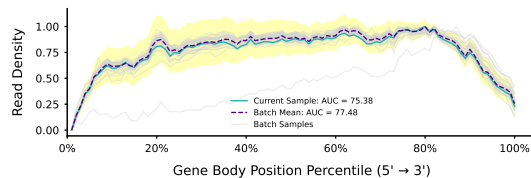
Sequence Contamination



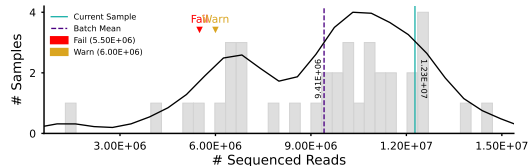
Gene Expression Distribution



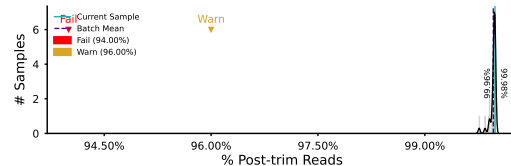
Gene Body Coverage



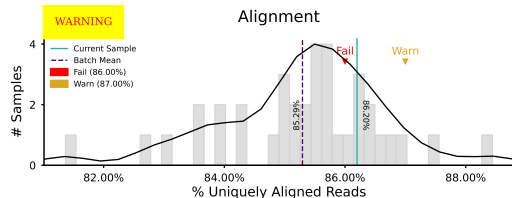
Sequencing Depth



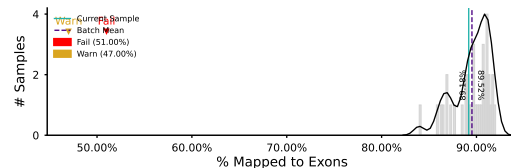
Trimming



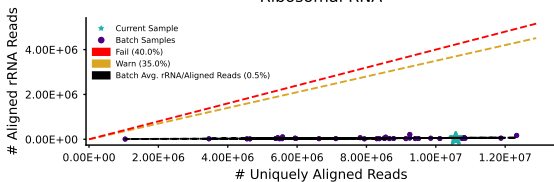
Alignment



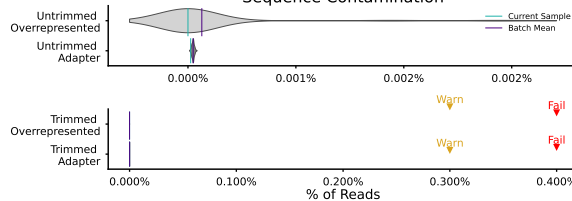
Gene Quantification



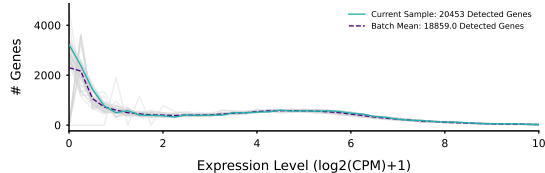
Ribosomal RNA



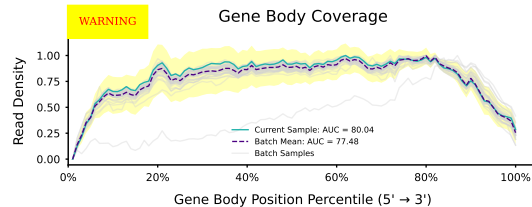
Sequence Contamination

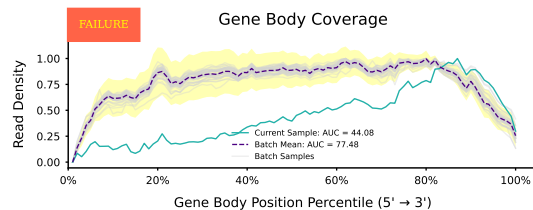
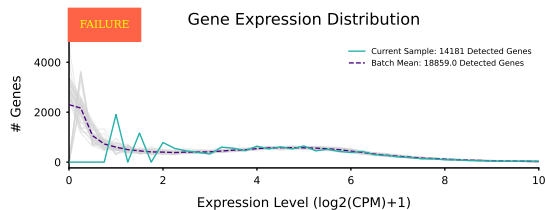
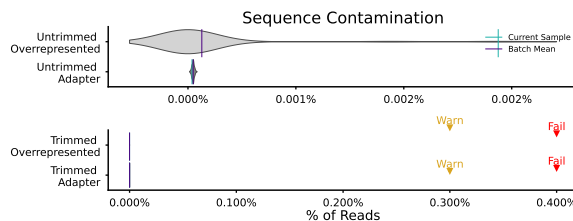
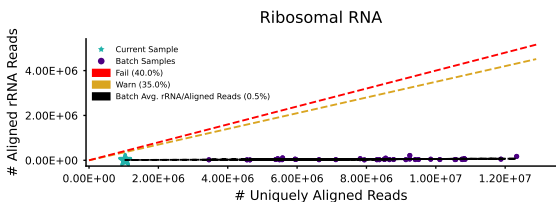
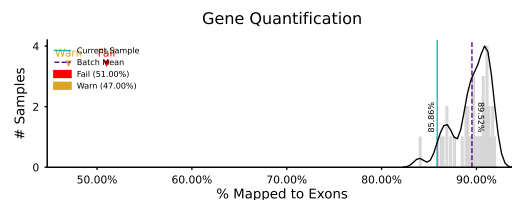
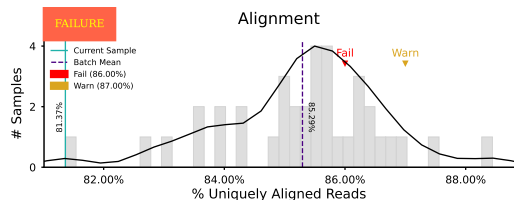
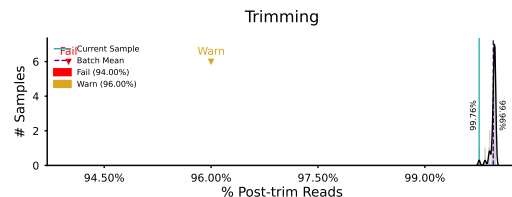
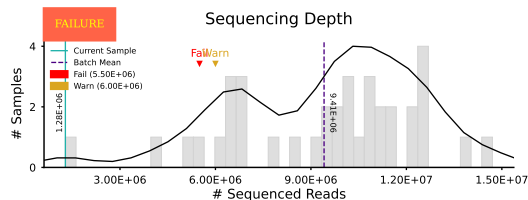


Gene Expression Distribution

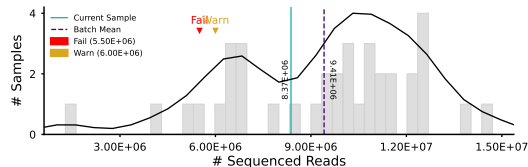


Gene Body Coverage

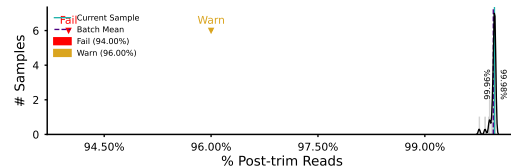




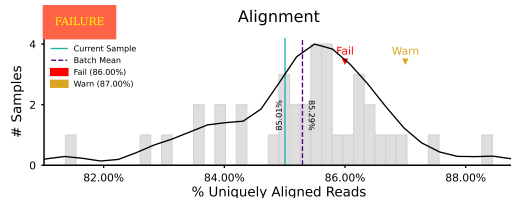
Sequencing Depth



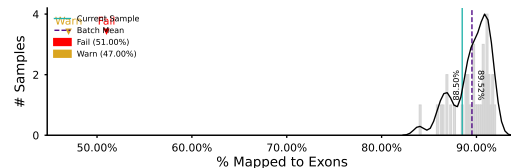
Trimming



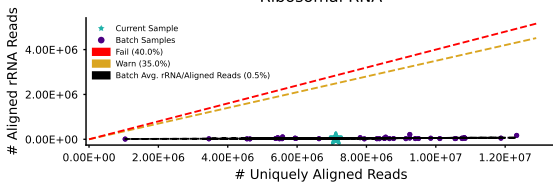
Alignment



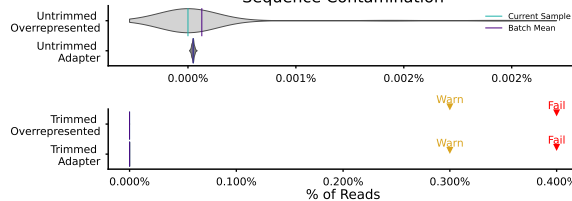
Gene Quantification



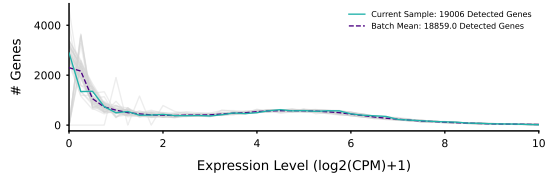
Ribosomal RNA



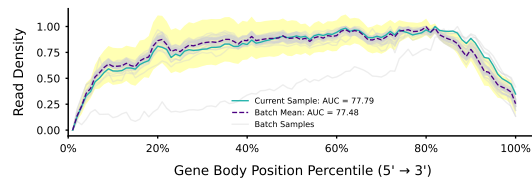
Sequence Contamination



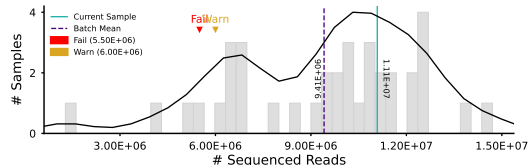
Gene Expression Distribution



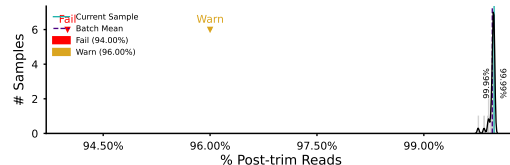
Gene Body Coverage



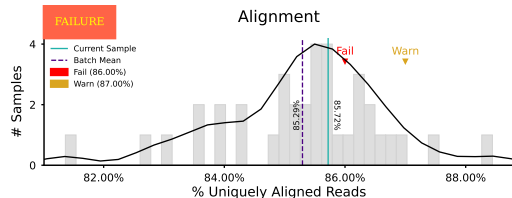
Sequencing Depth



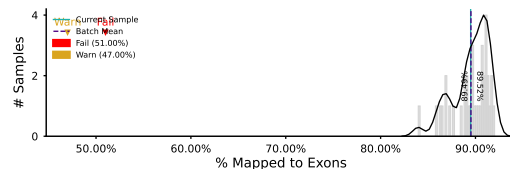
Trimming



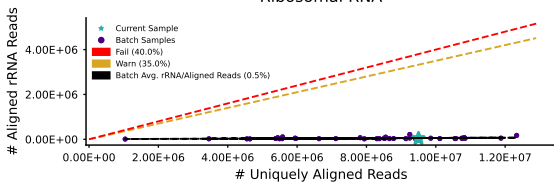
Alignment



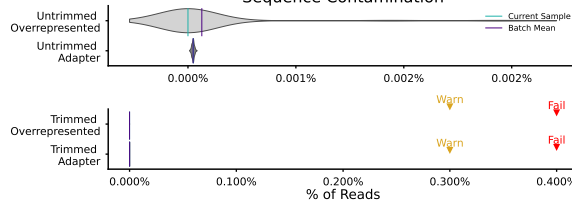
Gene Quantification



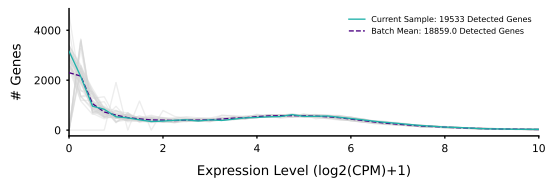
Ribosomal RNA



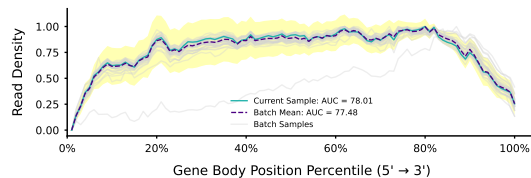
Sequence Contamination



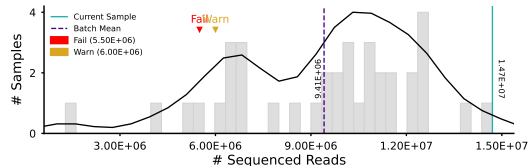
Gene Expression Distribution



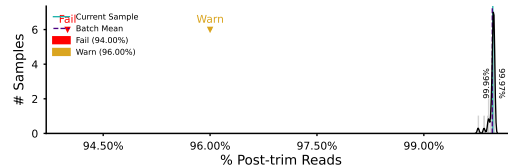
Gene Body Coverage



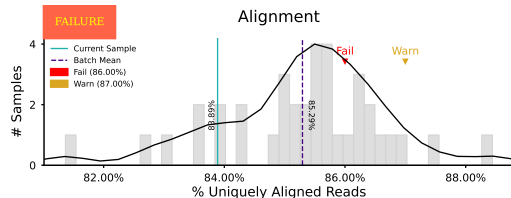
Sequencing Depth



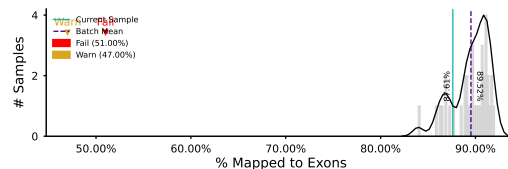
Trimming



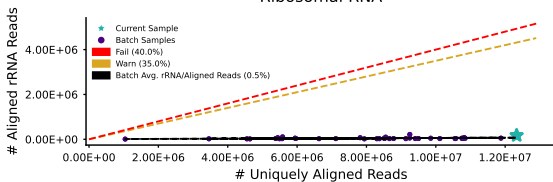
Alignment



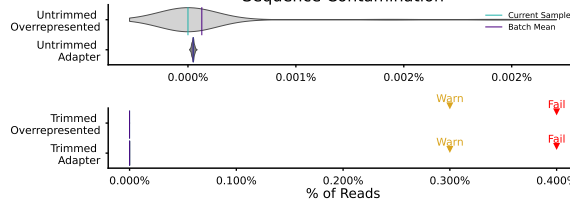
Gene Quantification



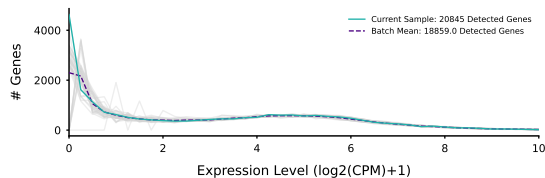
Ribosomal RNA



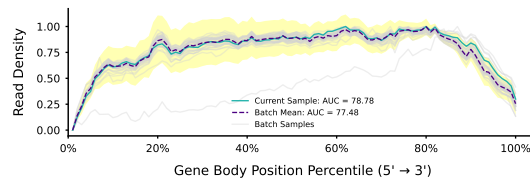
Sequence Contamination



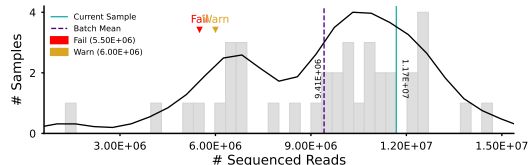
Gene Expression Distribution



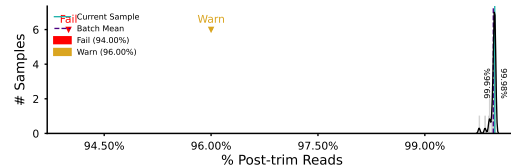
Gene Body Coverage



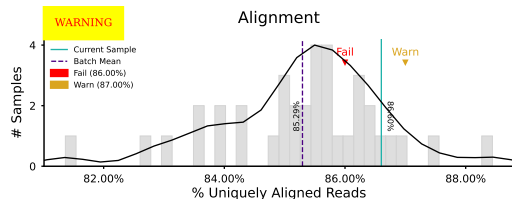
Sequencing Depth



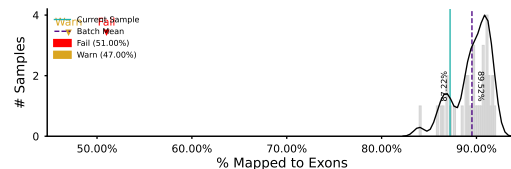
Trimming



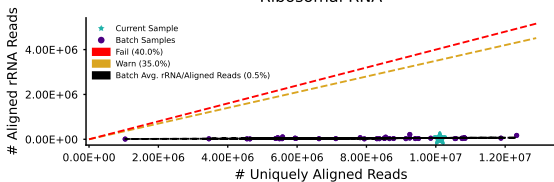
Alignment



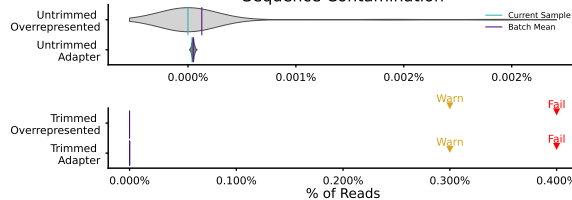
Gene Quantification



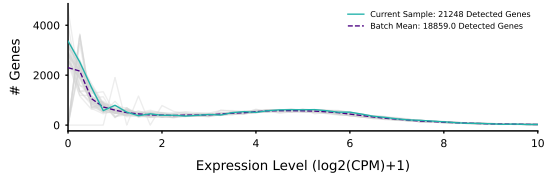
Ribosomal RNA



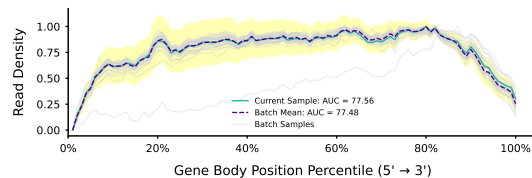
Sequence Contamination



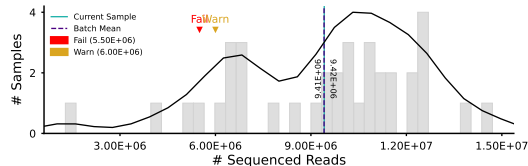
Gene Expression Distribution



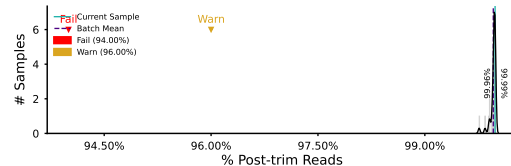
Gene Body Coverage



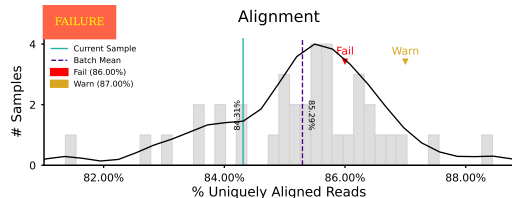
Sequencing Depth



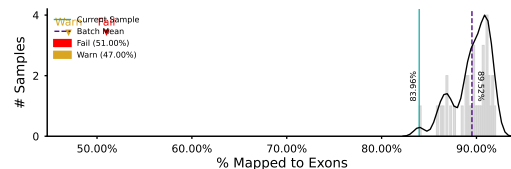
Trimming



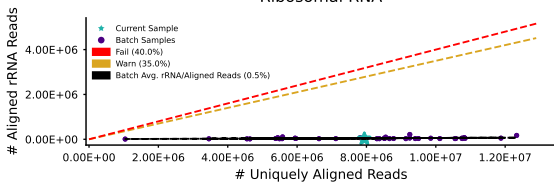
Alignment



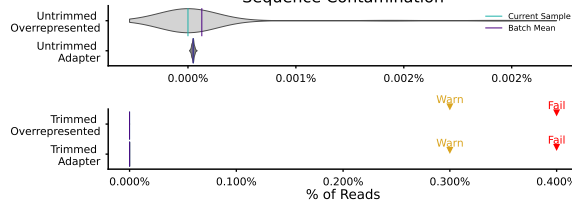
Gene Quantification



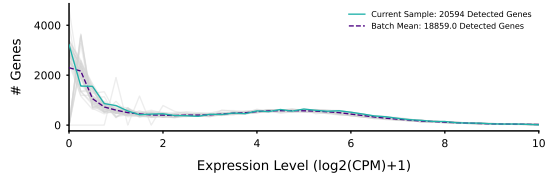
Ribosomal RNA



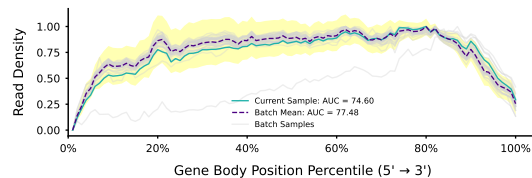
Sequence Contamination



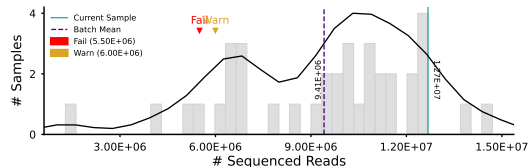
Gene Expression Distribution



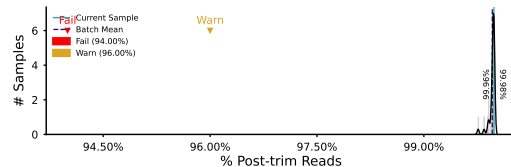
Gene Body Coverage



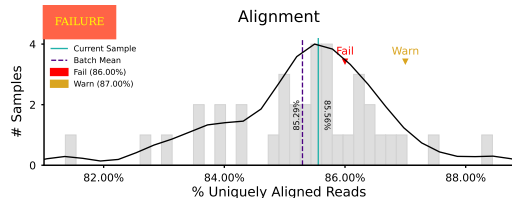
Sequencing Depth



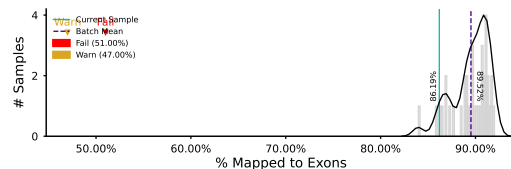
Trimming



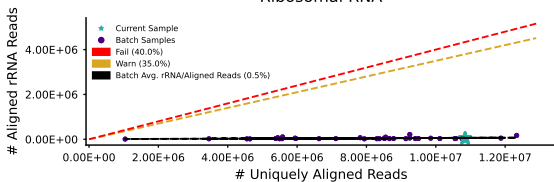
Alignment



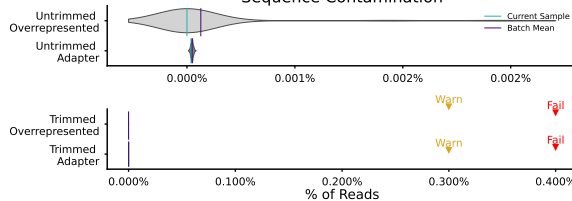
Gene Quantification



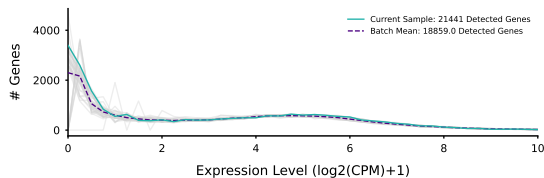
Ribosomal RNA



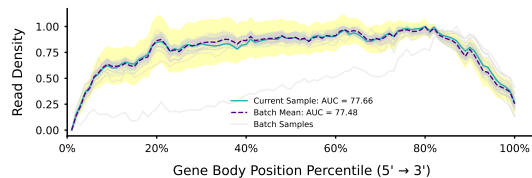
Sequence Contamination



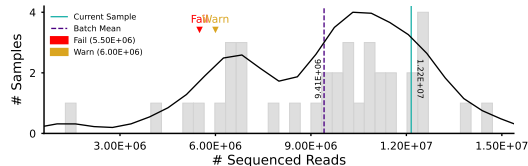
Gene Expression Distribution



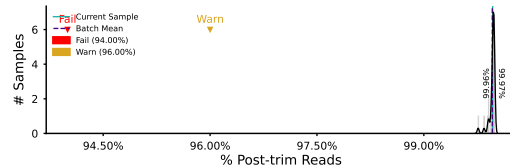
Gene Body Coverage



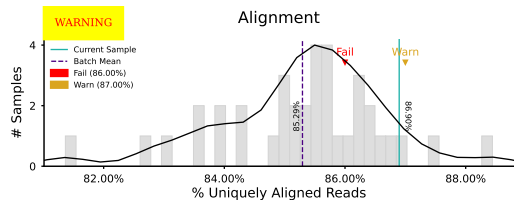
Sequencing Depth



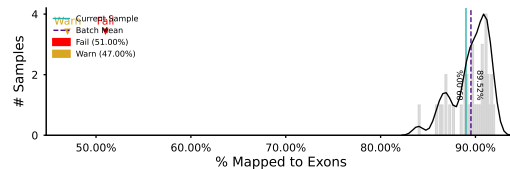
Trimming



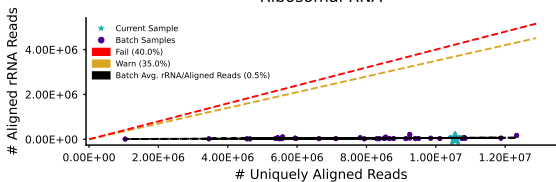
Alignment



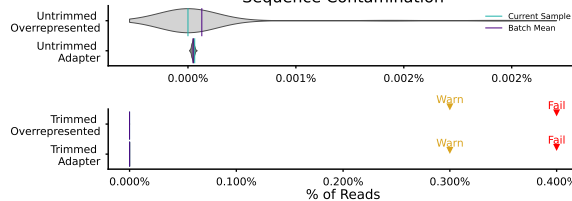
Gene Quantification



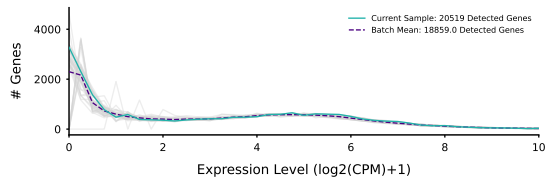
Ribosomal RNA



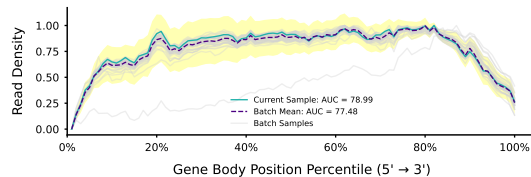
Sequence Contamination



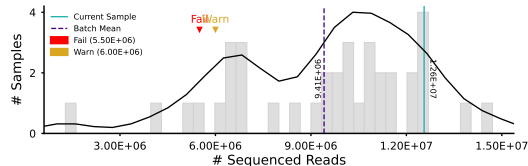
Gene Expression Distribution



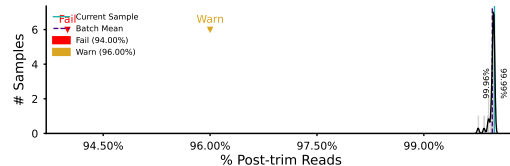
Gene Body Coverage



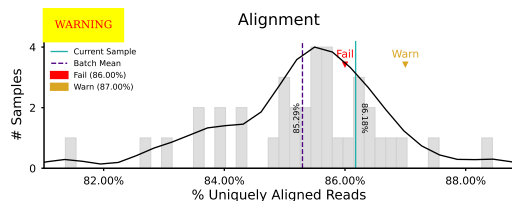
Sequencing Depth



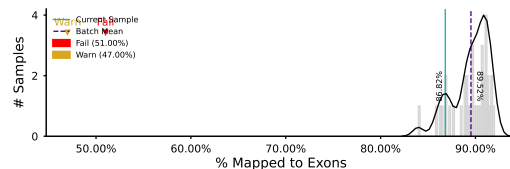
Trimming



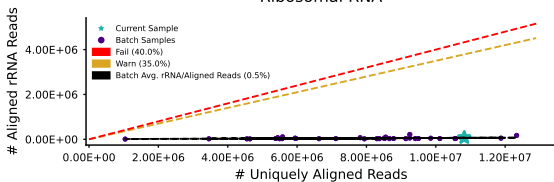
Alignment



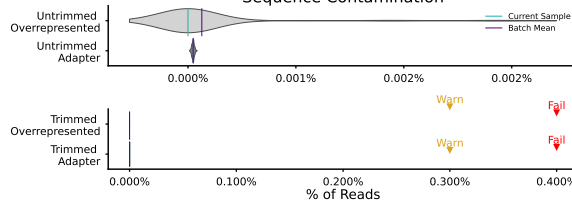
Gene Quantification



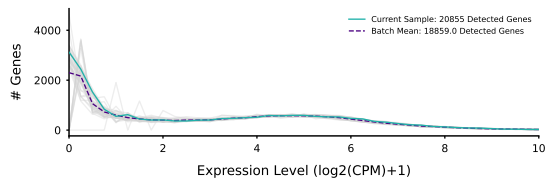
Ribosomal RNA



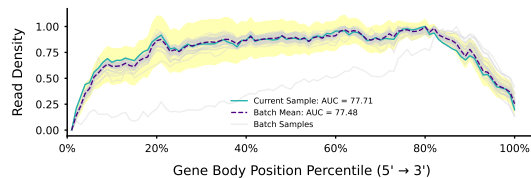
Sequence Contamination



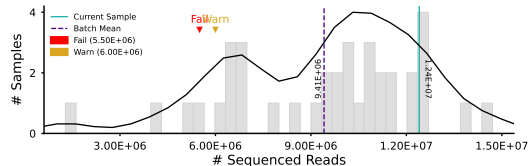
Gene Expression Distribution



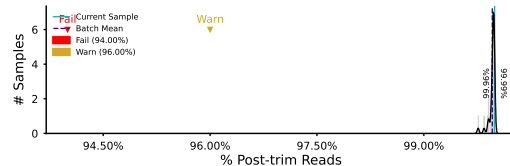
Gene Body Coverage



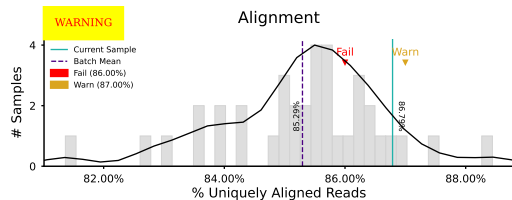
Sequencing Depth



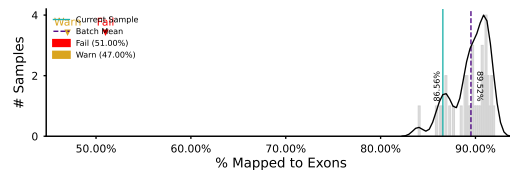
Trimming



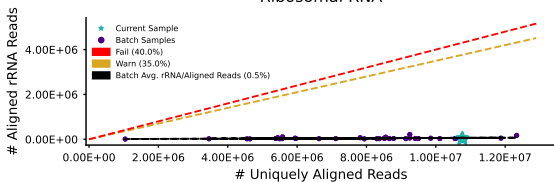
Alignment



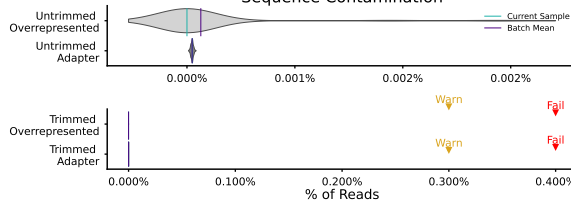
Gene Quantification



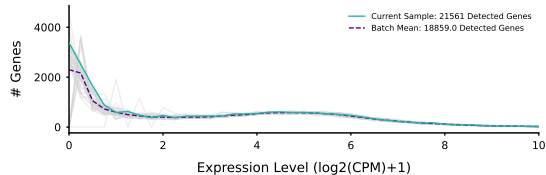
Ribosomal RNA



Sequence Contamination



Gene Expression Distribution



Gene Body Coverage

