



# ScaleBio™ Single Cell Methylation Data Analysis Pipeline Outputs

**4.4k PBMCs - Single Cell Methylation Kit - Small**

## Product Information

ScaleBio Methylation Kit

ScaleBio Seq Suite: ScaleMethyl v1.0.0 <https://github.com/ScaleBio/ScaleMethyl>

Sample Information: Two separate male donors

Species: Human

Sample/Cell Type: PBMCs

Cells in dataset: 4,422 (PBMC Donor 1 (S1): 2,373; PBMC Donor 2 (S2): 2,049)

Sequencing Information:

Sequencing platform: Novaseq 6000

Flow Cell: S4

## Contents

Html report: <https://github.com/ScaleBio/ScaleMethyl/blob/main/docs/gcReport.md>

csv summaries: <https://github.com/ScaleBio/ScaleMethyl/blob/main/docs/outputs.md#key-output-files>

Matrix Description: <https://github.com/ScaleBio/ScaleMethyl/blob/main/docs/outputs.md#matrix-detailed-descriptions>

## Run Summary

Metrics	PBMC-S1	PBMC-S2
Total Reads	13,073,999,490	9,817,665,902
Mean passing reads per cell	5,509,481	4,791,442

## Passing Cells Summary

Metric	PBMC-S1	PBMC-S2
Number of Passing Cells	2,373	2,049
Percent Reads in Passing Cells(%)	98.42	98.28
Median Total Reads	4,590,667.0	3,996,765.0
Median Passing Reads	3,991,694.0	3,473,911.0
Median Unique Reads	1,152,395.0	983,939.0
Median of Percent of Unique over Total Reads(%)	26.1	24.3
Median of Total Covered C's	13,453,652	11,784,527
Median of Covered CG's	535,144	463,934
Median of Covered CH's	12,913,755	11,326,409
Median of CG Methylation Percent(%)	80.59	80.99
Median of CH Methylation Percent(%)	0.55	0.56
Median of TSS Enrichment	0.87	0.87
Percent of Cells with TSS Enrichment > 1	1.01	0.83
Percent of Cells with CH Methylation % > 1	0.08	0.00