

Report for dataset SNAM-5-Cell5 (all samples)

Dataset 8d6f5318-f41c-458a-8fd2-6b582a41c290

Summary

Name	SNAM-5-Cell5 (all samples)
Created At	2025-09-16 01:34:46.149
Number of Records	8,442,542
Total Length	134,652,982,309
Movie Name	m84039_250914_121745_s3
ICS Version	13.3.0.253824
Well Sample	SNAM-5
Biological Sample	SNAM-5
Barcode Name	bcM0001--bcM0001

Run Preview

Summary

Estimated HiFi Yield (Gb)	None
HiFi read quality, median	None
HiFi read length, mean	15,349
P1 (%)	57.70 %
Time (Hrs)	4
Workflow	Basic
Movie Name	m84039_250914_121745_s3_basic_preview_4hr
Movie Id	m84039_250914_121745_s3

Barcode preview

Barcode	HiFi reads	HiFi read length (mean, bp)
bcM0001--bcM0001	94.4%	15361
Other	0.6%	13190
Not Barcoded	5.0%	15142

CCS Analysis Report

Summary

HiFi reads	8.5 M
HiFi reads yield	134.79 Gb
HiFi reads length (mean)	15.94 kb
HiFi reads length (median, bp)	16,009
HiFi Read Length N50 (bp)	16,187
HiFi Read Quality (median)	Q32
HiFi Read Quality (median)	32
Base Quality Q30 (%)	95.44%
HiFi Number of Passes (mean)	8
Missing adapters (%)	2.44%

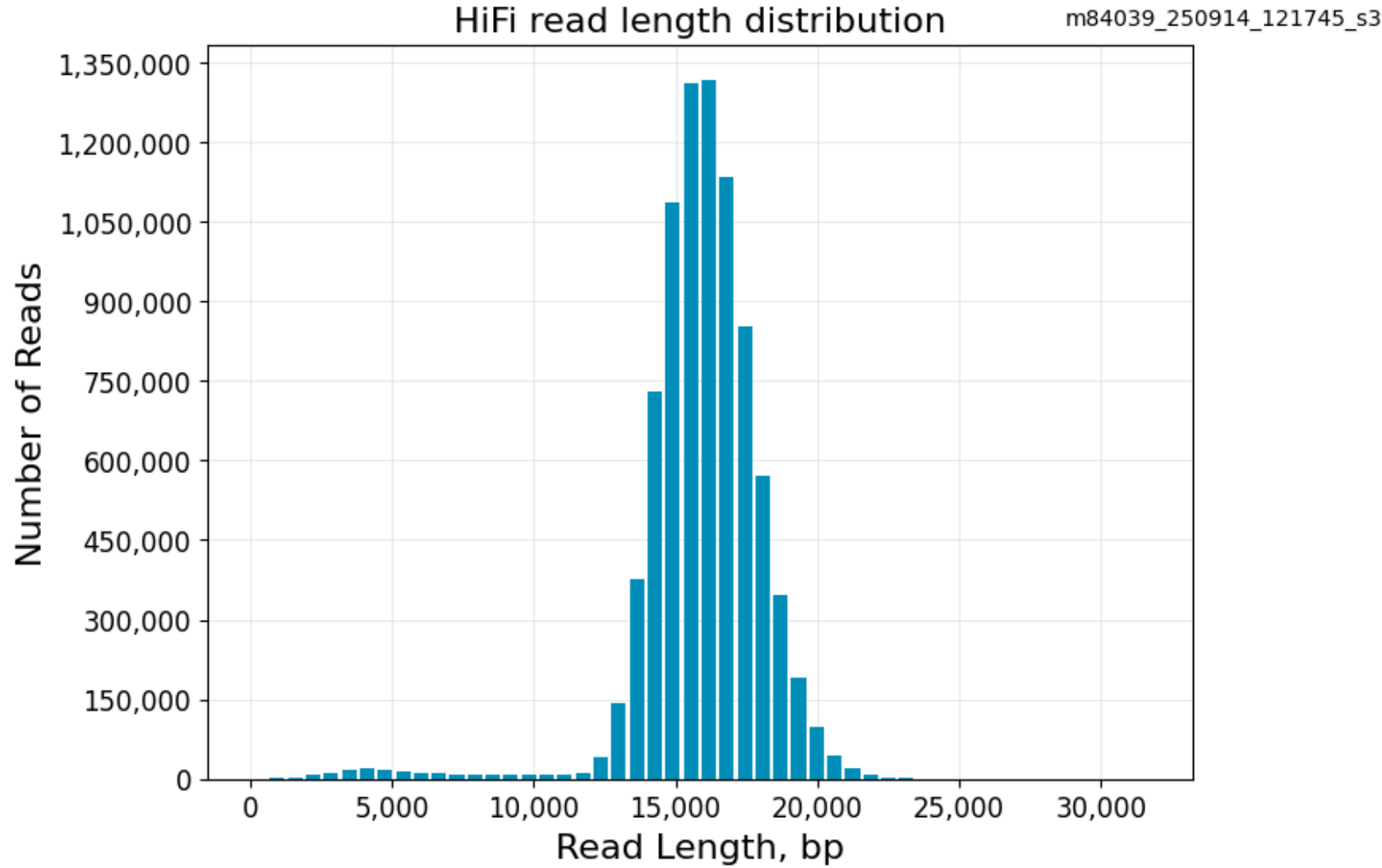
HiFi Read Length Summary

Read Length (kb)	Reads	Reads (%)	Yield (Gb)	Yield (%)
0	8454149	100	134.79 Gb	100
5,000	8379518	99	134.53 Gb	100
10,000	8302689	98	133.96 Gb	99
15,000	6284106	74	105.35 Gb	78
20,000	112456	1	2.33 Gb	2
25,000	125	0	0.00 Gb	0
30,000	21	0	0.00 Gb	0
35,000	2	0	0.00 Gb	0
40,000	0	0	0.00 Gb	0

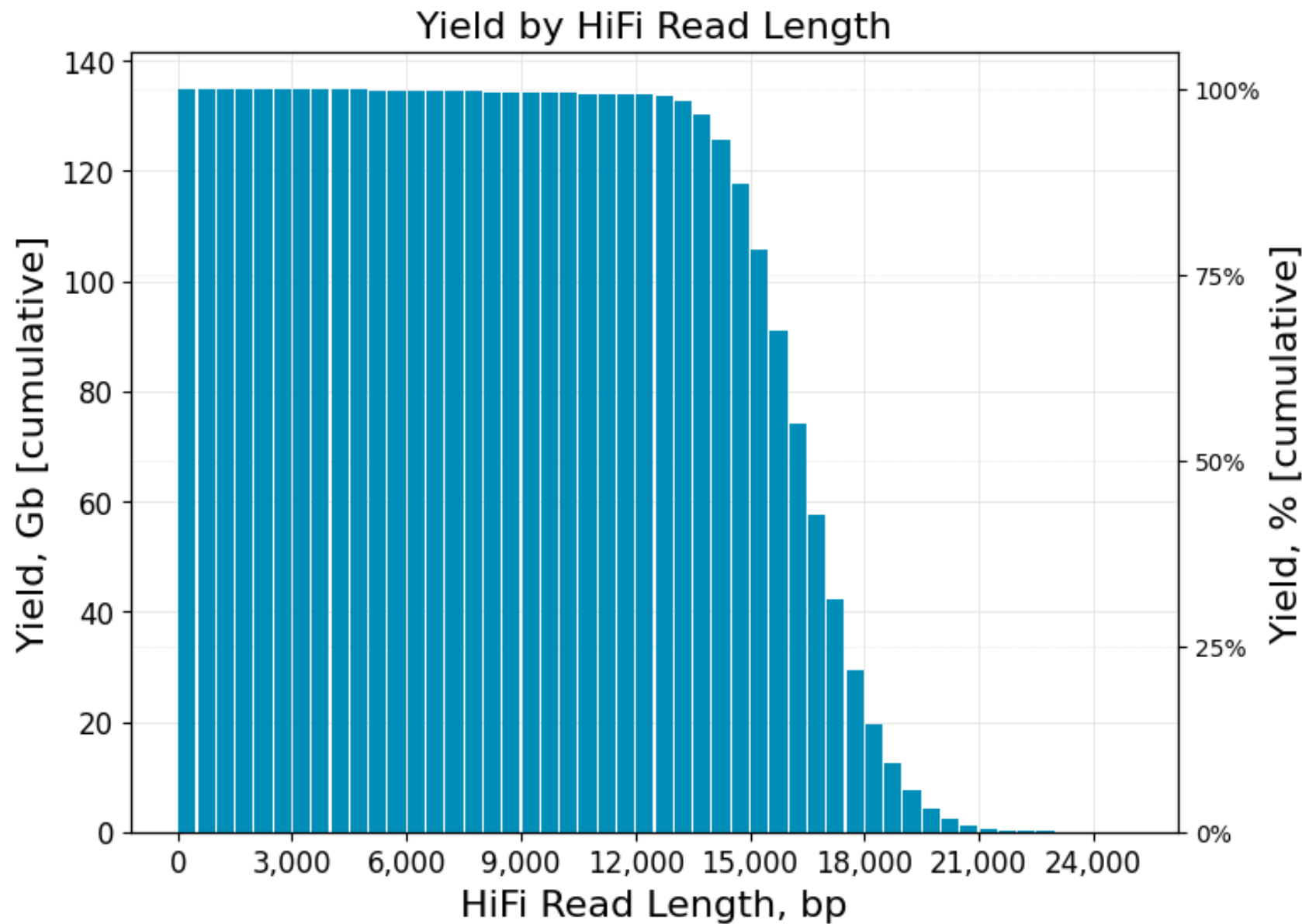
HiFi Read Quality Summary

Read Quality (Phred)	Reads	Reads (%)	Yield (Gb)	Yield (%)
Q20	8454149	100	134.79 Gb	100
Q30	5266627	62	83.57 Gb	62
Q40	78910	1	0.68 Gb	1
Q50	14716	0	0.05 Gb	0

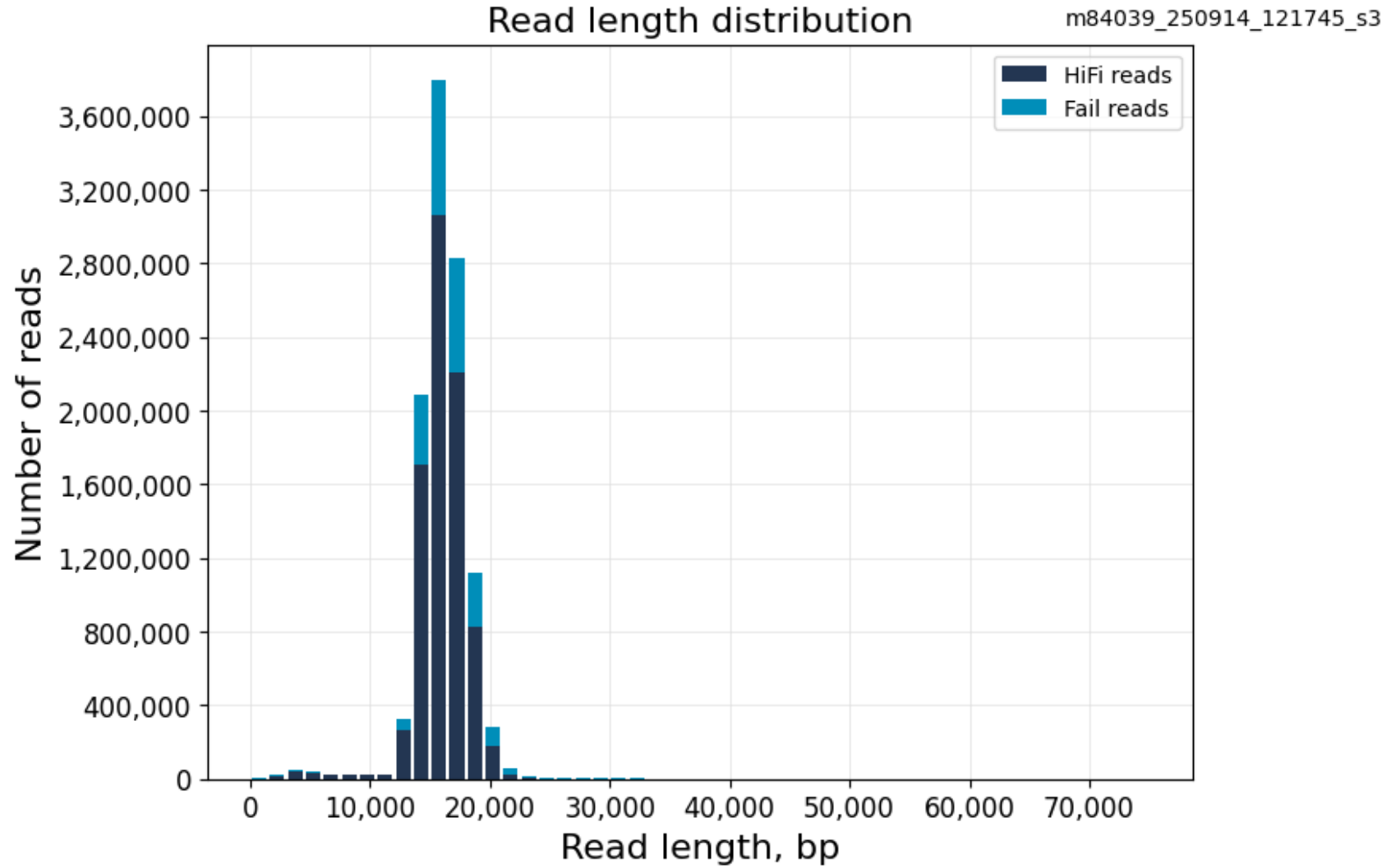
HiFi read length distribution



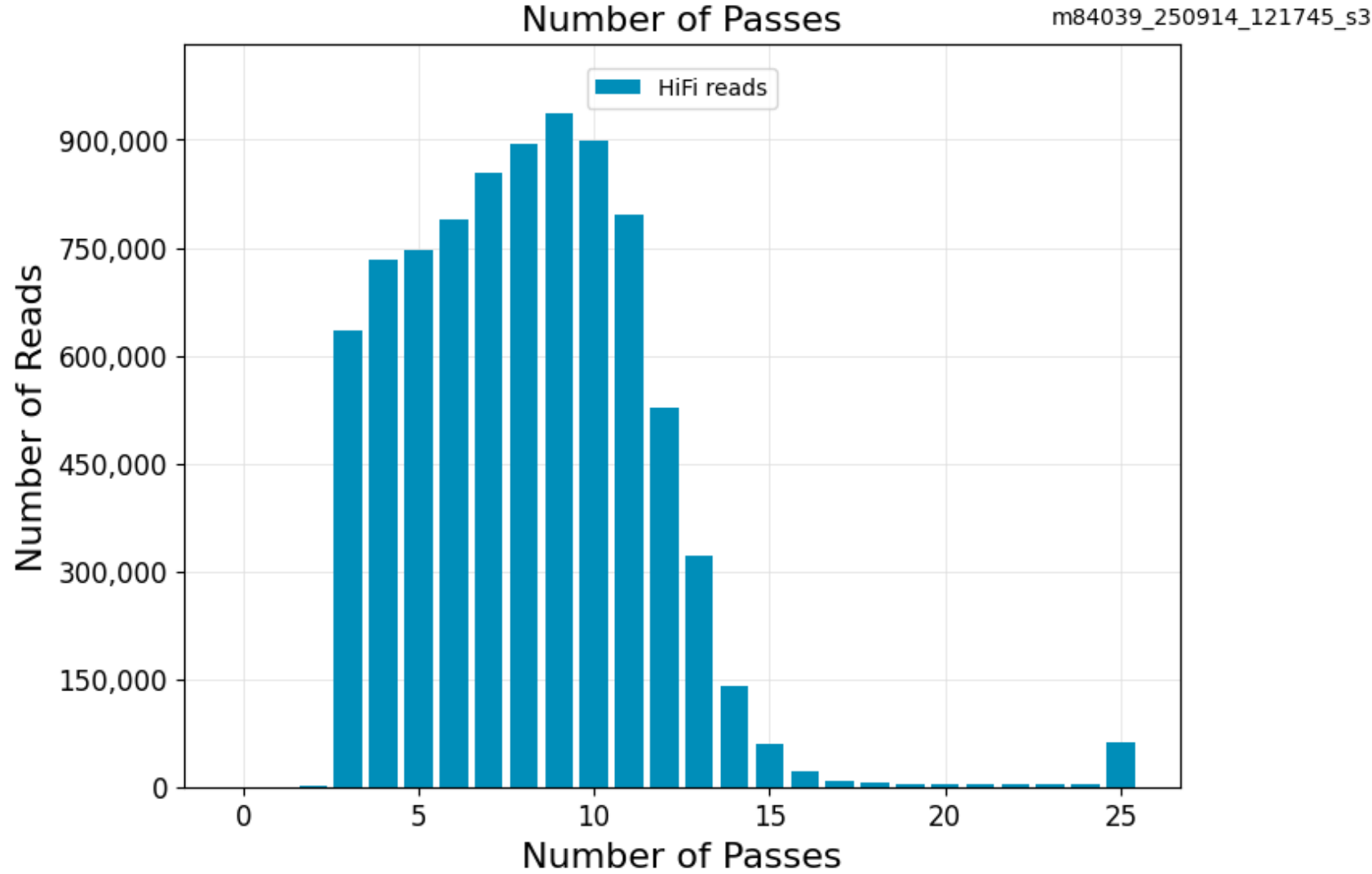
Yield by HiFi Read Length



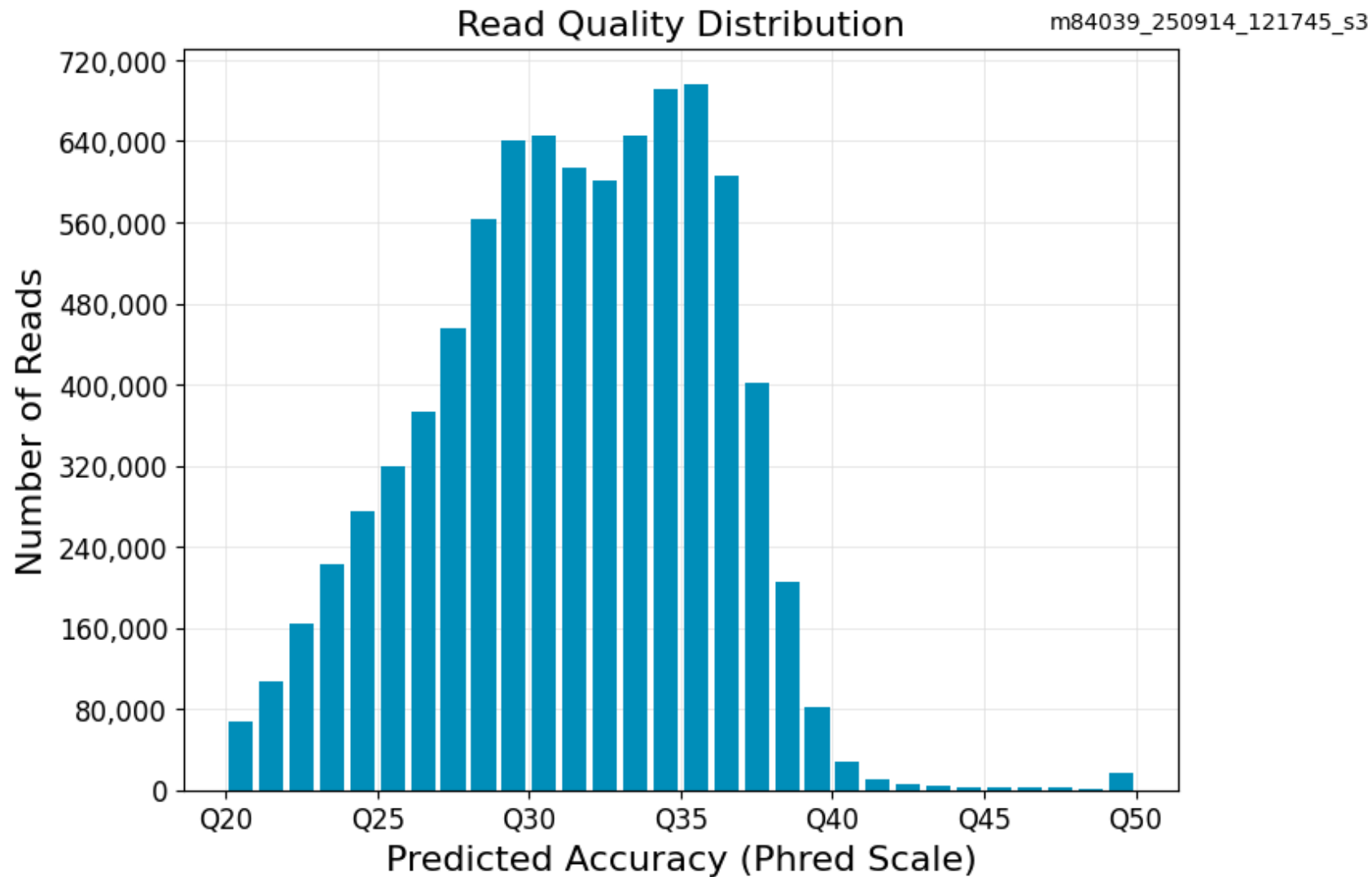
Read length distribution



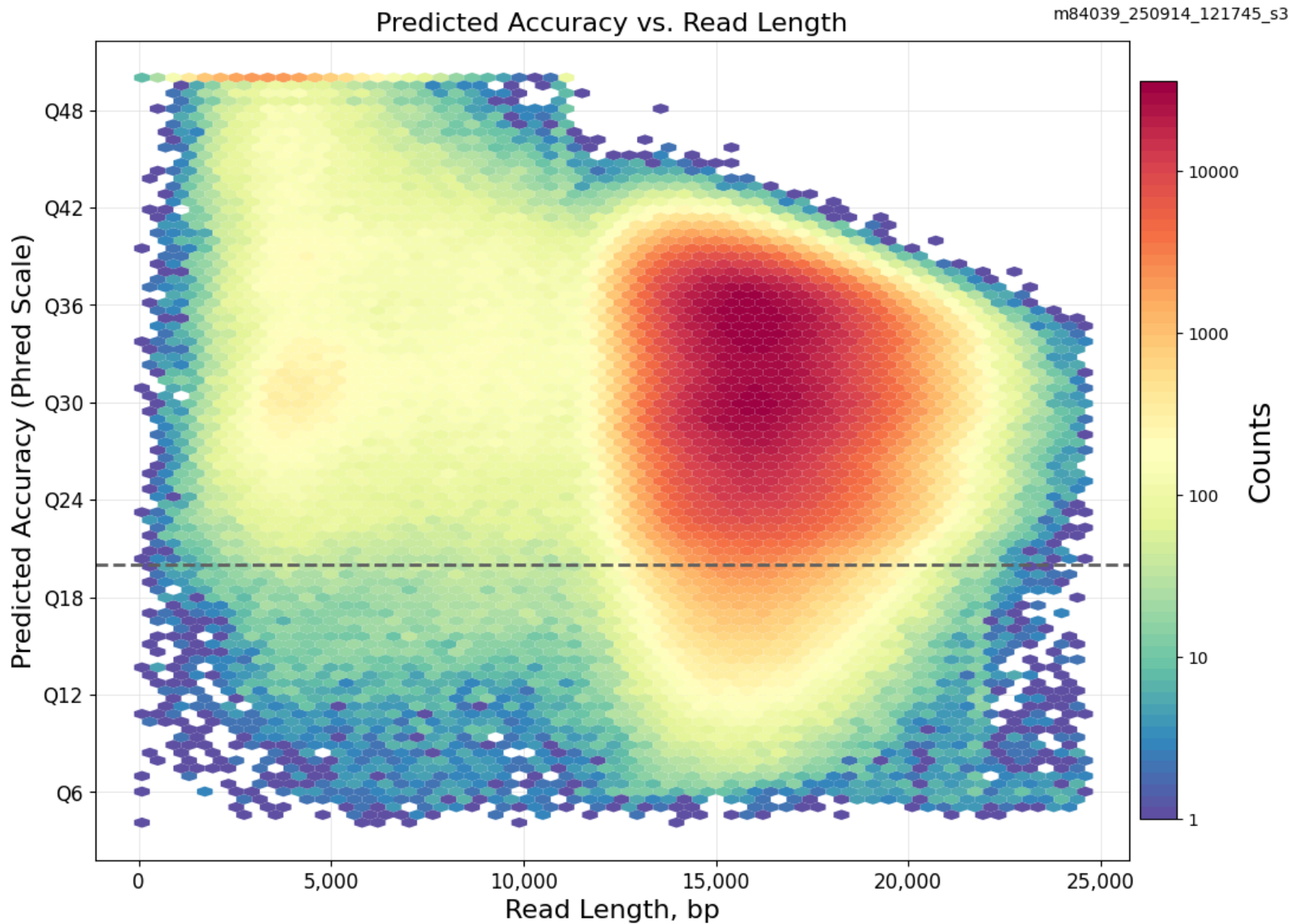
Number of Passes



Read Quality Distribution



Predicted Accuracy vs. Read Length



Barcodes

Summary

Unique Barcodes	1
Barcoded HiFi Reads	8,442,542
Unbarcoded HiFi Reads	11,607
Barcoded HiFi Reads (%)	99.86 %
Barcoded HiFi yield (Gb)	134.65 Gb
Unbarcoded HiFi yield (Gb)	0.14 Gb
Barcoded HiFi Yield (%)	99.90 %
Mean HiFi Reads per Barcode	8,442,542
Max. HiFi Reads per Barcode	8,442,542
Min. HiFi Reads per Barcode	8,442,542
Barcoded HiFi read length (mean, kb)	15.95 kb
Unbarcoded HiFi read length (mean, kb)	12.03 kb

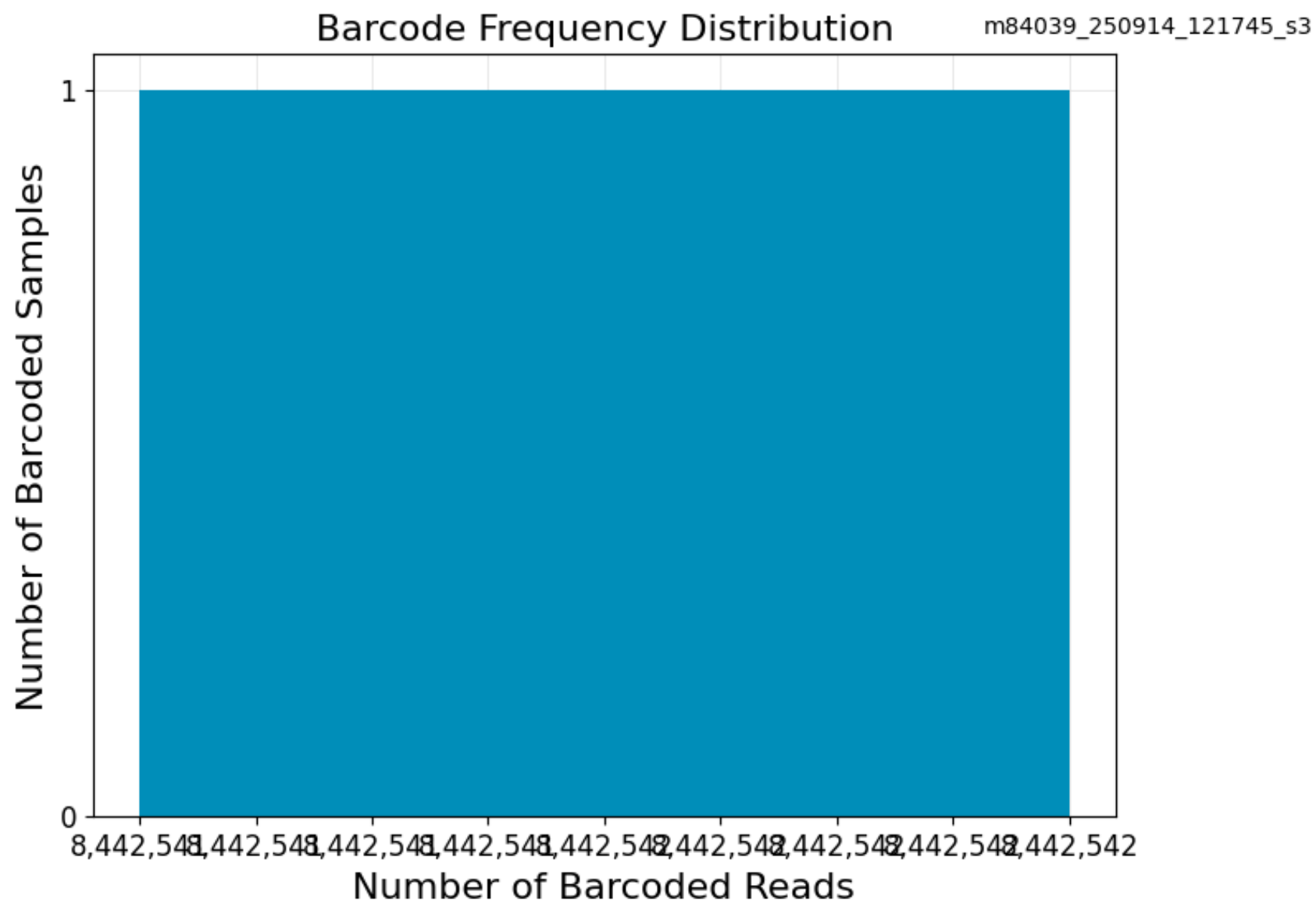
Barcode Data

Sample Name	Barcode	Barcode Quality	HiFi Reads	HiFi Read Length (mean, bp)	HiFi Read Quality (median, QV)	HiFi Yield (bp)	Polymerase Read Length (mean, bp)
SNAM-5	bcM0001--bcM0001	97.7	8442542	15949	Q32	134652982309	145583
No Name	Not Barcoded	0.0	11607	12029	Q27	139627318	118153

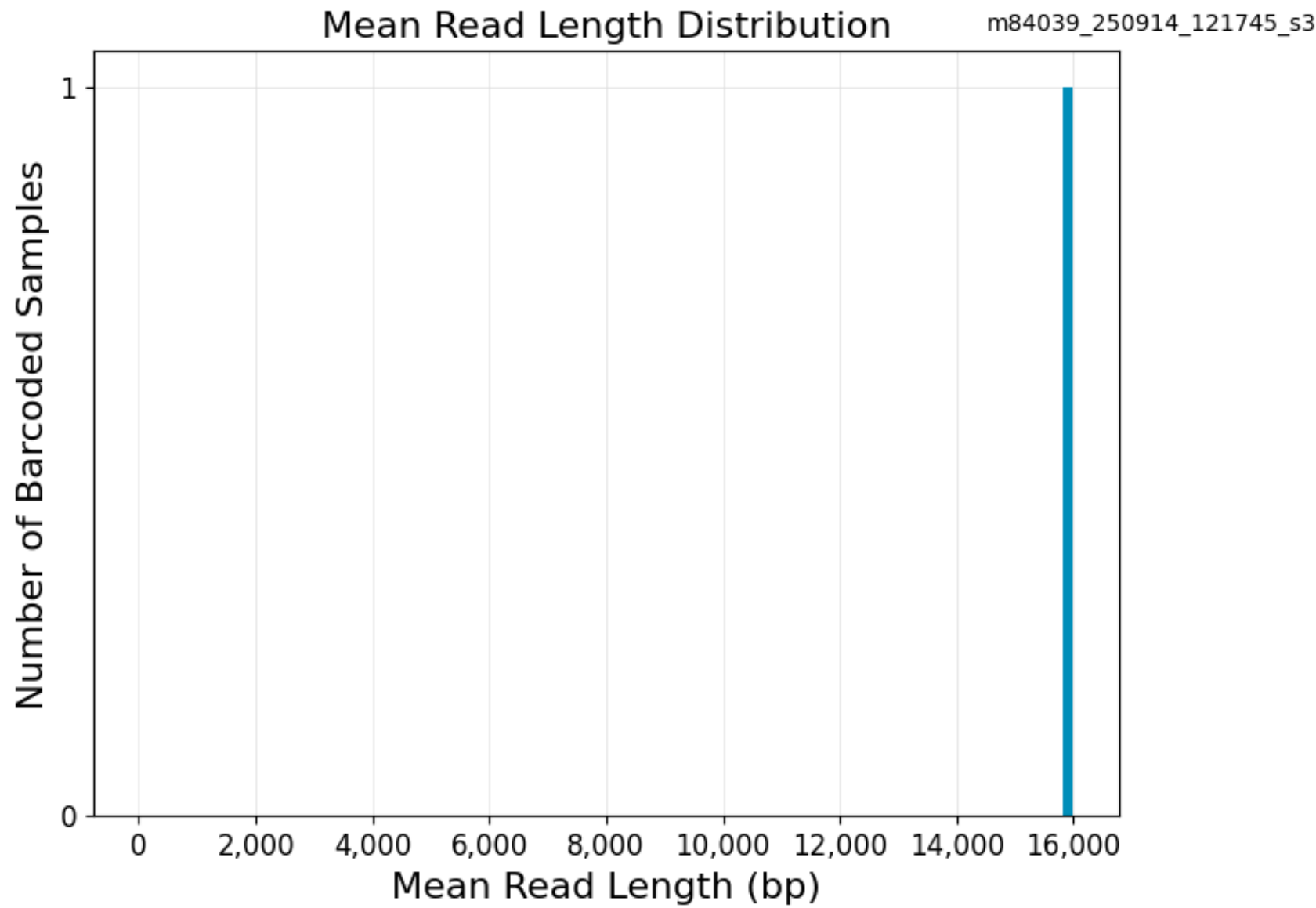
Number Of Reads Per Barcode



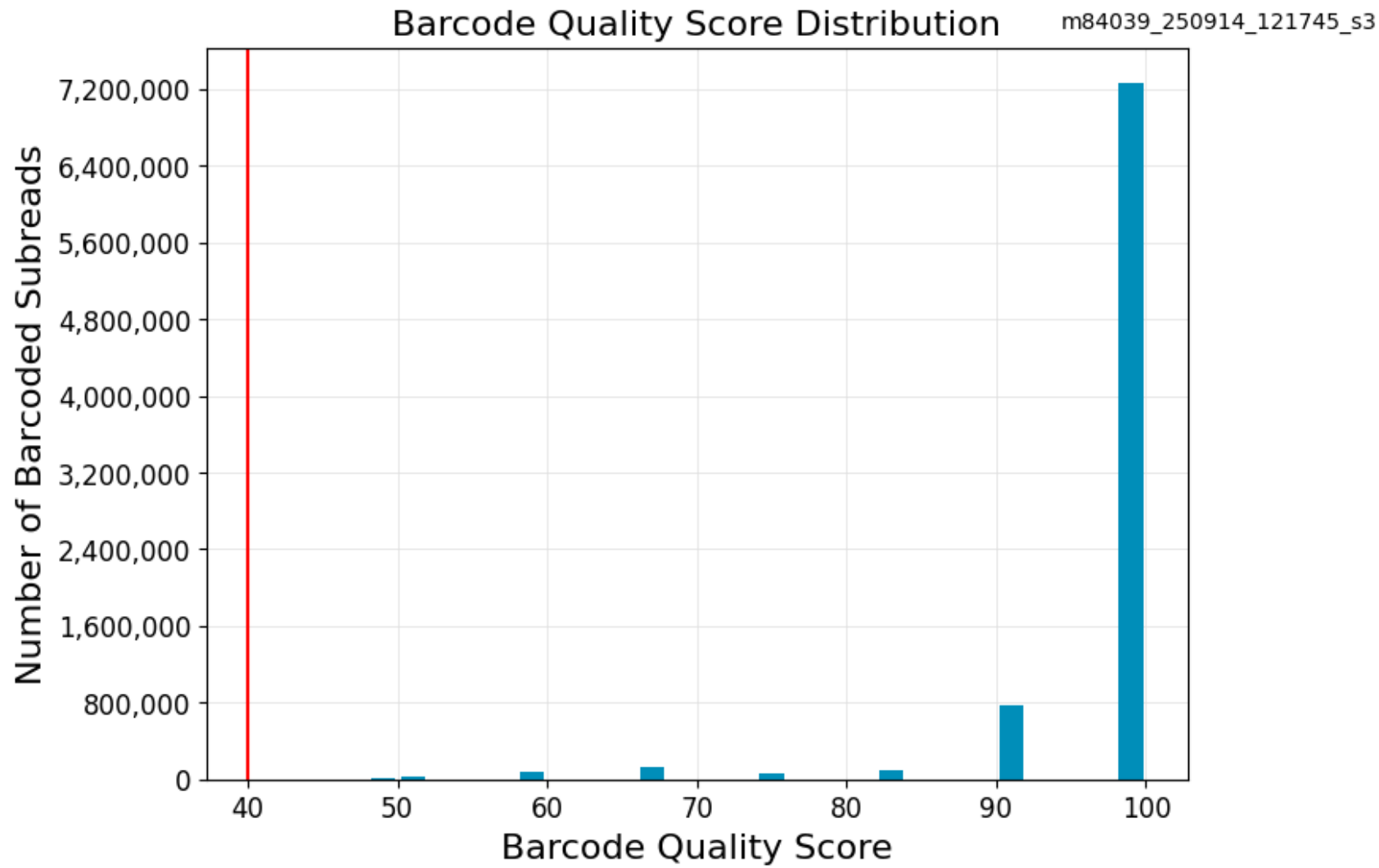
Barcode Frequency Distribution



Mean Read Length Distribution



Barcode Quality Score Distribution

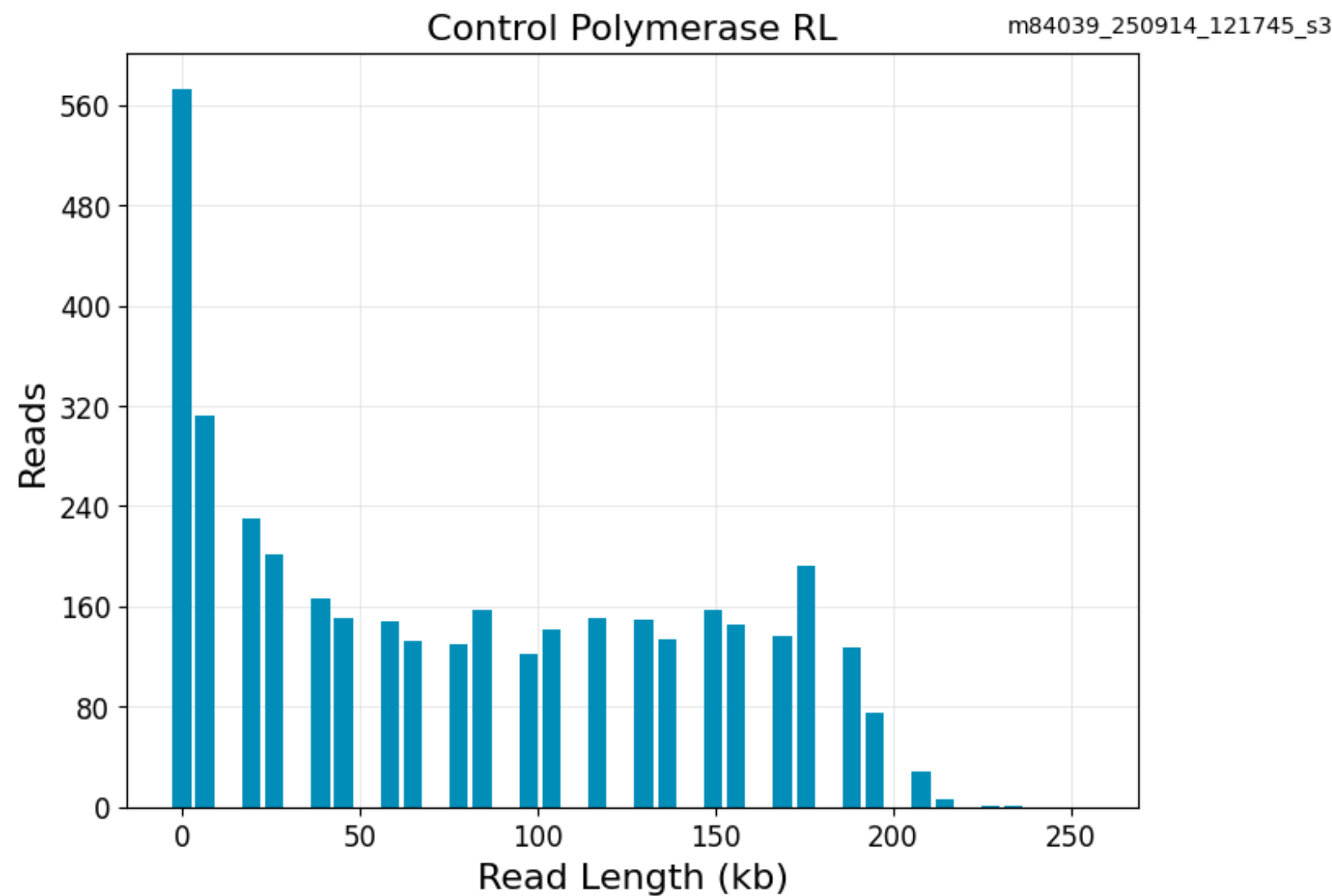


Control Report

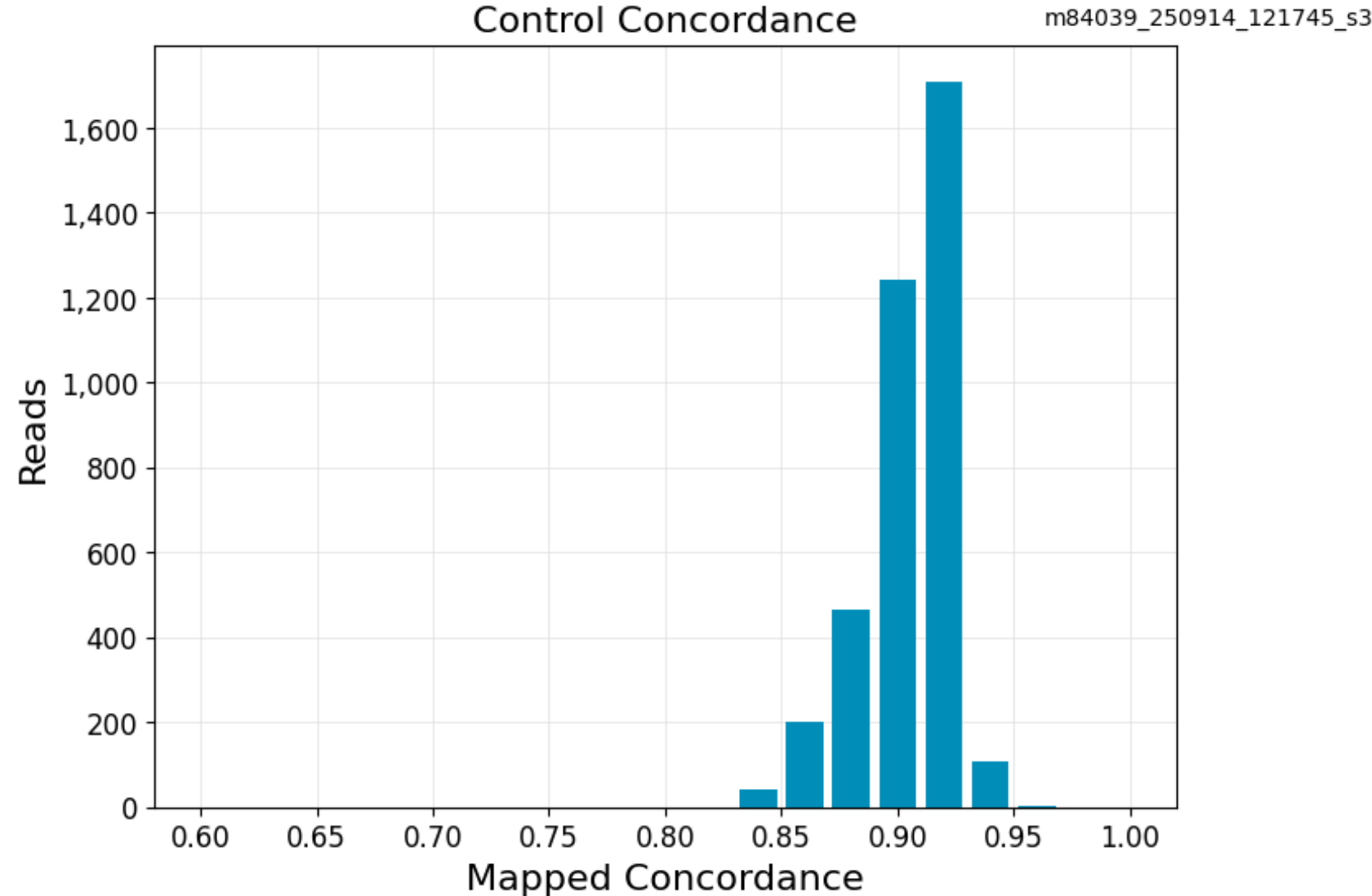
Summary

Number of Control Reads	3,768
Control Read Length Mean	81,643
Control Read Concordance Mean	0.91
Control Read Concordance Mode	0.93

Control Polymerase RL



Control Concordance



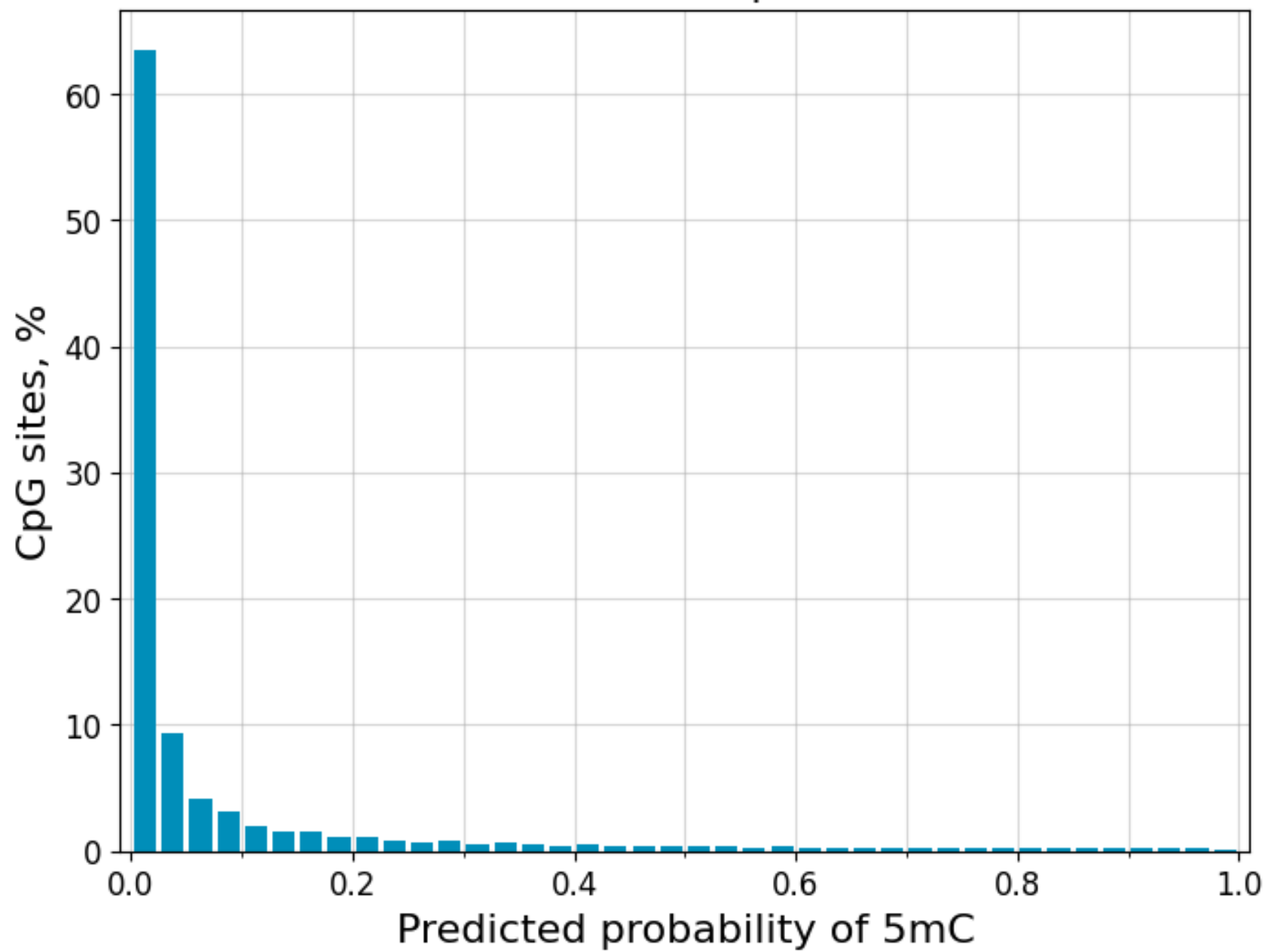
Methylation

Summary

Modification	Motif	Scored sites	Modified sites (Pr > 0.5)
5mC	CpG	98.7%	5.0%
6mA	A	0.6%	0.6%

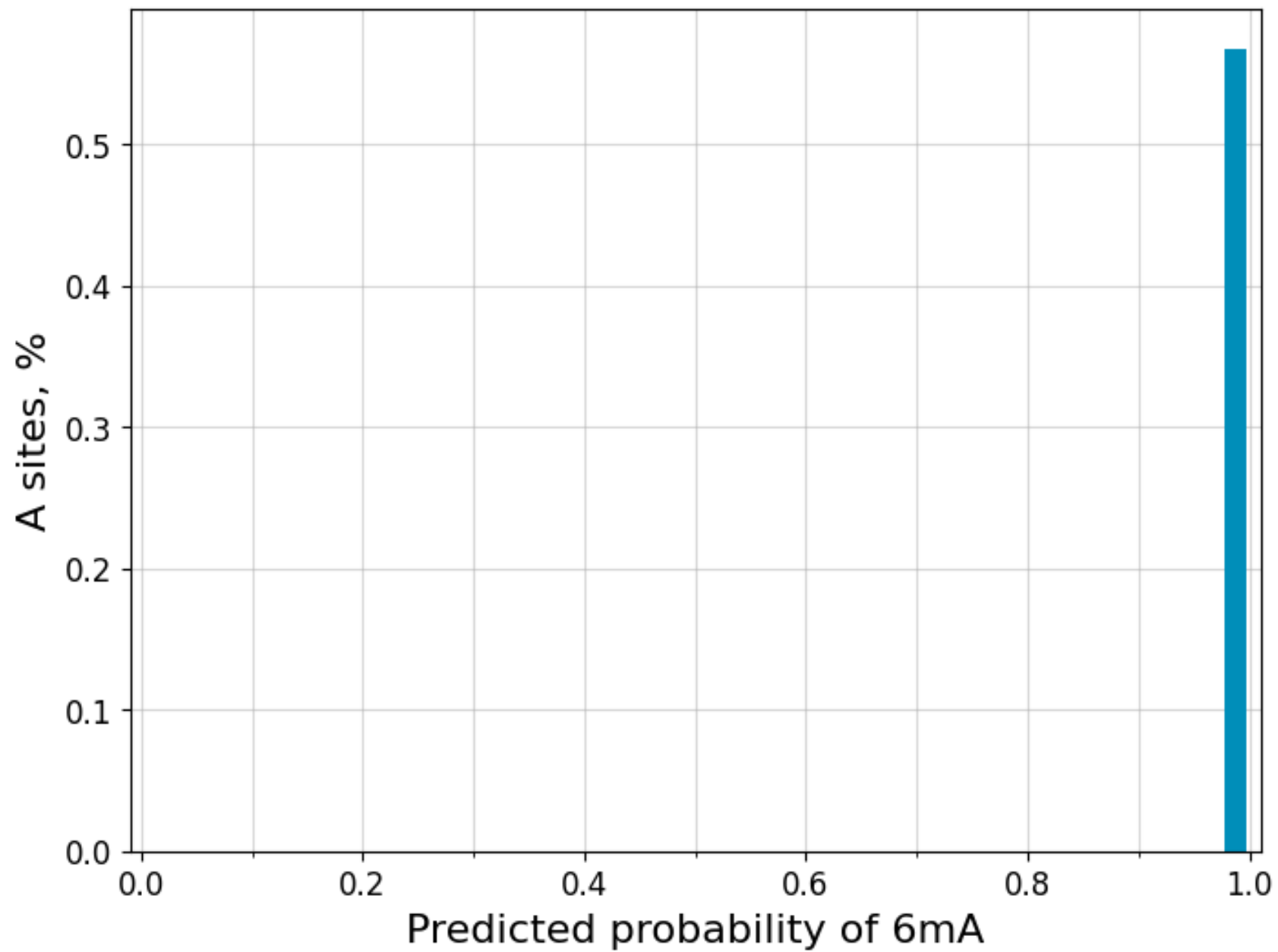
5mC methylation at CpG in reads

5mC at CpG



6mA methylation in reads

6mA

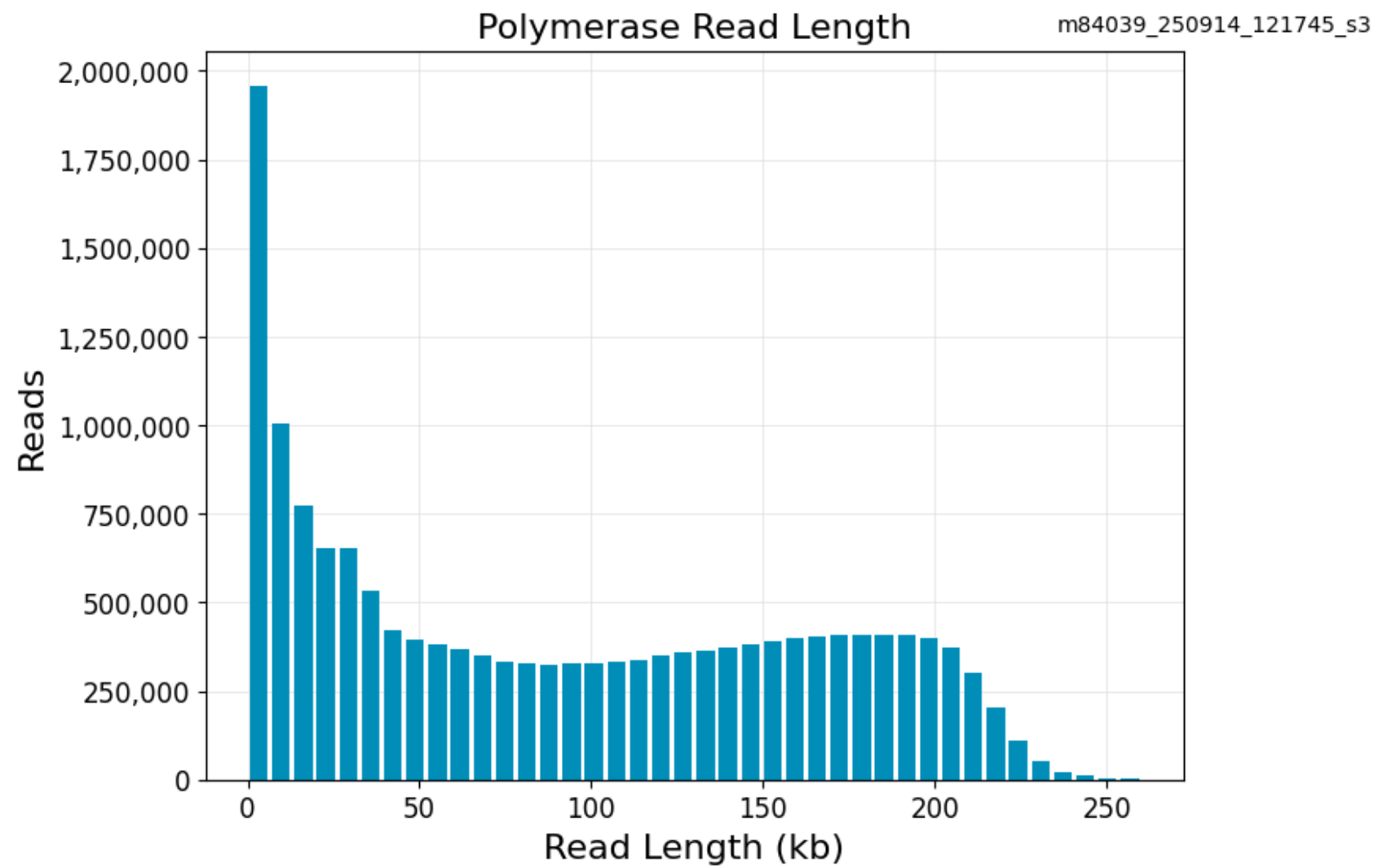


Raw Data Report

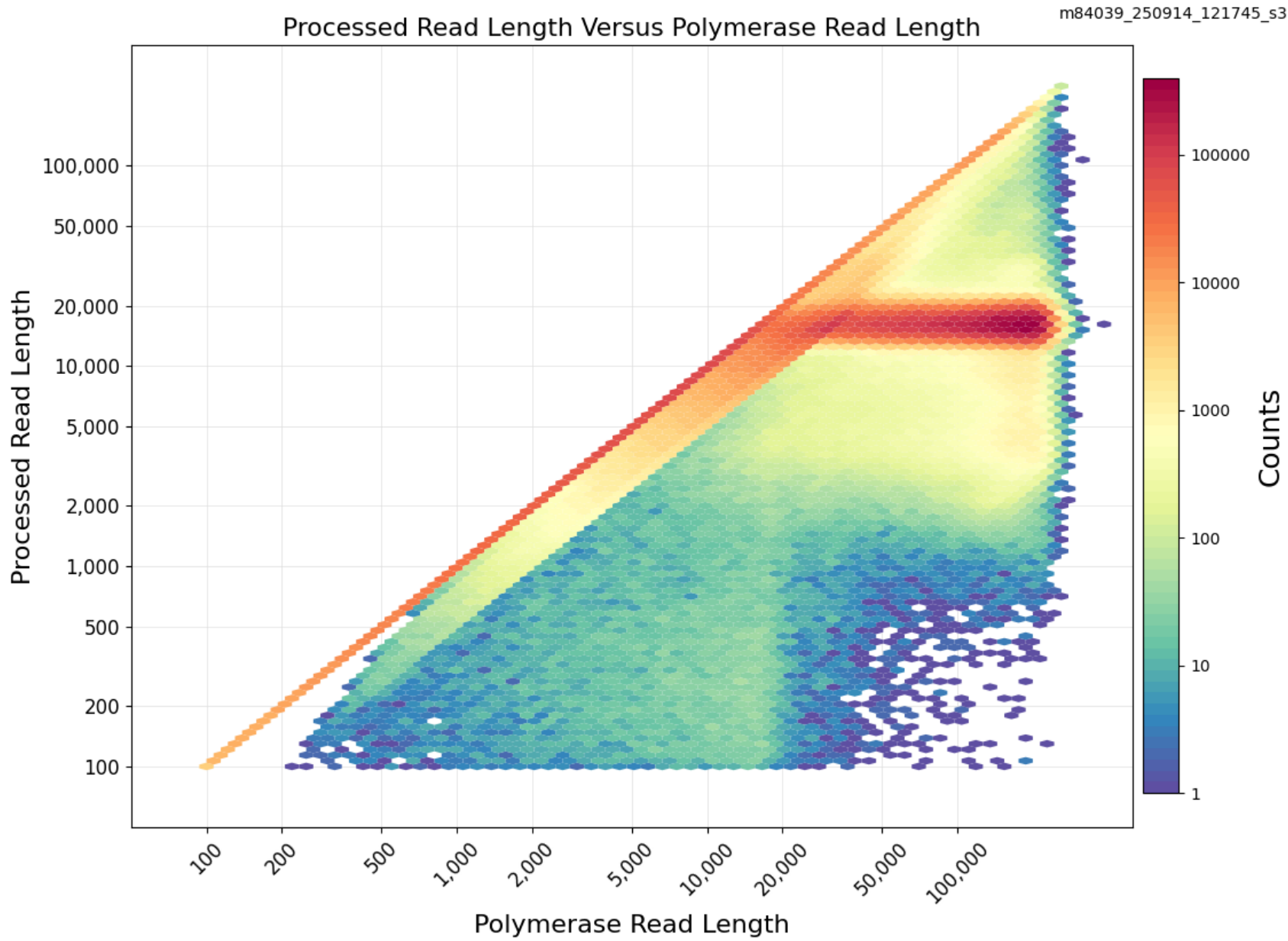
Summary

Polymerase Read Bases	1,399,222,922,865
Polymerase Reads	15,936,026
Polymerase Read Length (mean)	87.80 kb
Polymerase read length (N50)	157.75 kb
Polymerase read length longest subread length (mean)	16.10 kb
Polymerase read length longest subread length (N50)	17.25 kb
Unique Molecular Yield	245,750,054,912
Local Base Rate	2.58

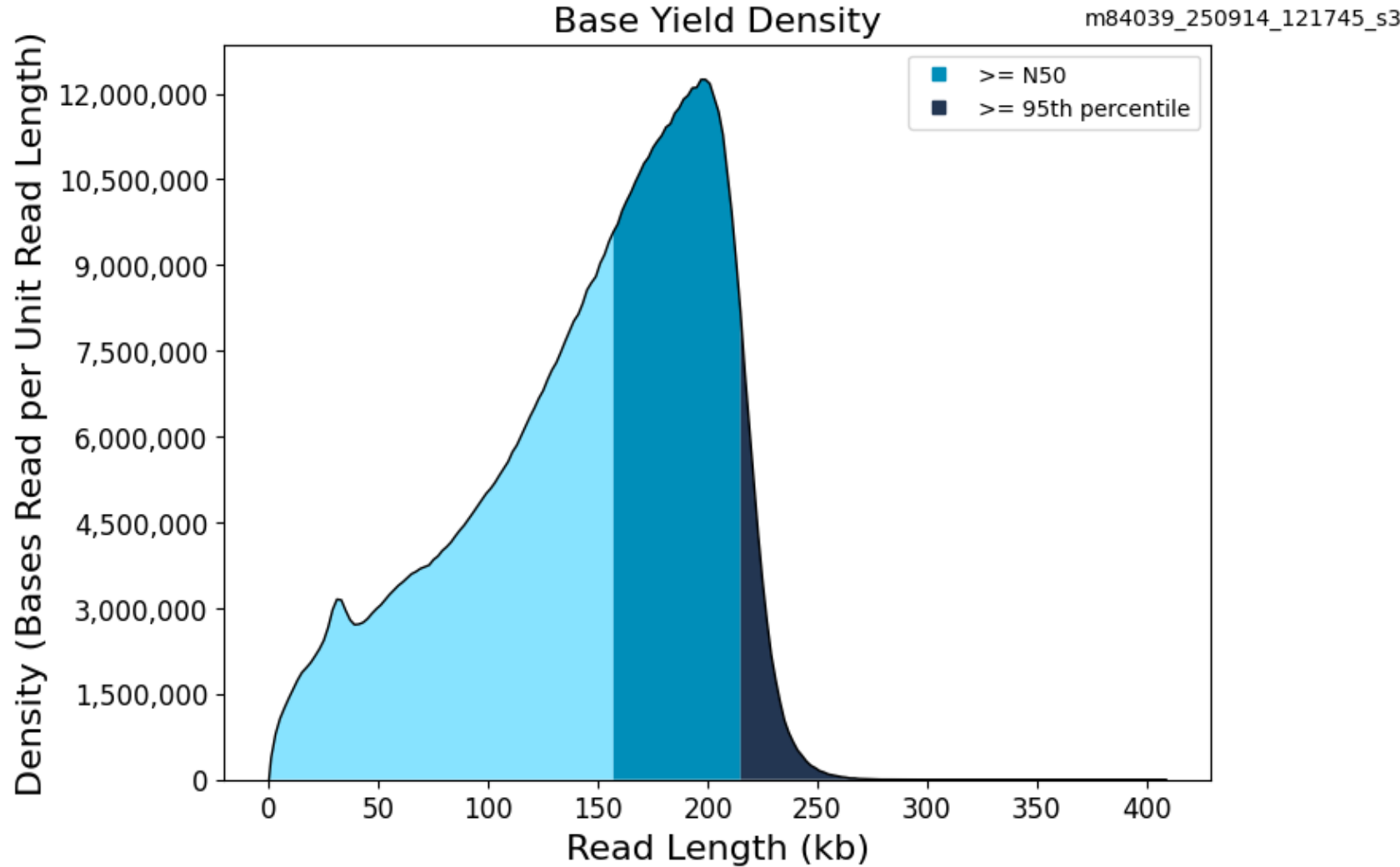
Polymerase Read Length



Longest Subread Length Versus Polymerase Read Length



Base Yield Density



Loading Report

Summary

Productive ZMWs	25,165,824
Productivity 0	9,156,767
Productivity 1	15,939,794
Productivity 2	69,263

Run Preview

Summary

Estimated HiFi Yield (Gb)	128,566,814,244
HiFi read quality, median	31
HiFi read length, mean	15,951
P1 (%)	None
Time (Hrs)	23
Workflow	Full
Movie Name	m84039_250914_121745_s3_full_preview_23hr
Movie Id	m84039_250914_121745_s3

Barcode preview

Barcode	HiFi reads	HiFi read length (mean, bp)
bcM0001--bcM0001	99.6%	15957
Not Barcoded	0.4%	11242

No Sample Setup found

Instrument run(s)

Run 0d8115db-908b-443f-b68f-bcb3d322b933

Summary

Name	20250912_10X_Fiberseq_Quest_CSVsetup1
Status	COMPLETE
Created	2025-09-12 01:12:39.919
Started	2025-09-12 17:57:47.593
Completed	2025-09-16 00:37:19.663
Context	r84039_20250912_175724
Instrument Name	84039
Instrument Serial Number	84039
ICS Version	13.3.0.253824
Primary Analysis Version	13.3.0.253824
Chemistry Version	13.3.0.249246

Parent jobs (1)

Job 12251

Summary

Job Type	import-collection
Name	import-collection
Comments	Description for job Import Collection
Created At	2025-09-16 01:45:16.516
SMRT Link Version	25.3.0.273777

No child jobs found