

Report for dataset SNAM-4-Cell4 (all samples)

Dataset 04f69bc8-a83f-45d3-a138-97d3406103ab

Summary

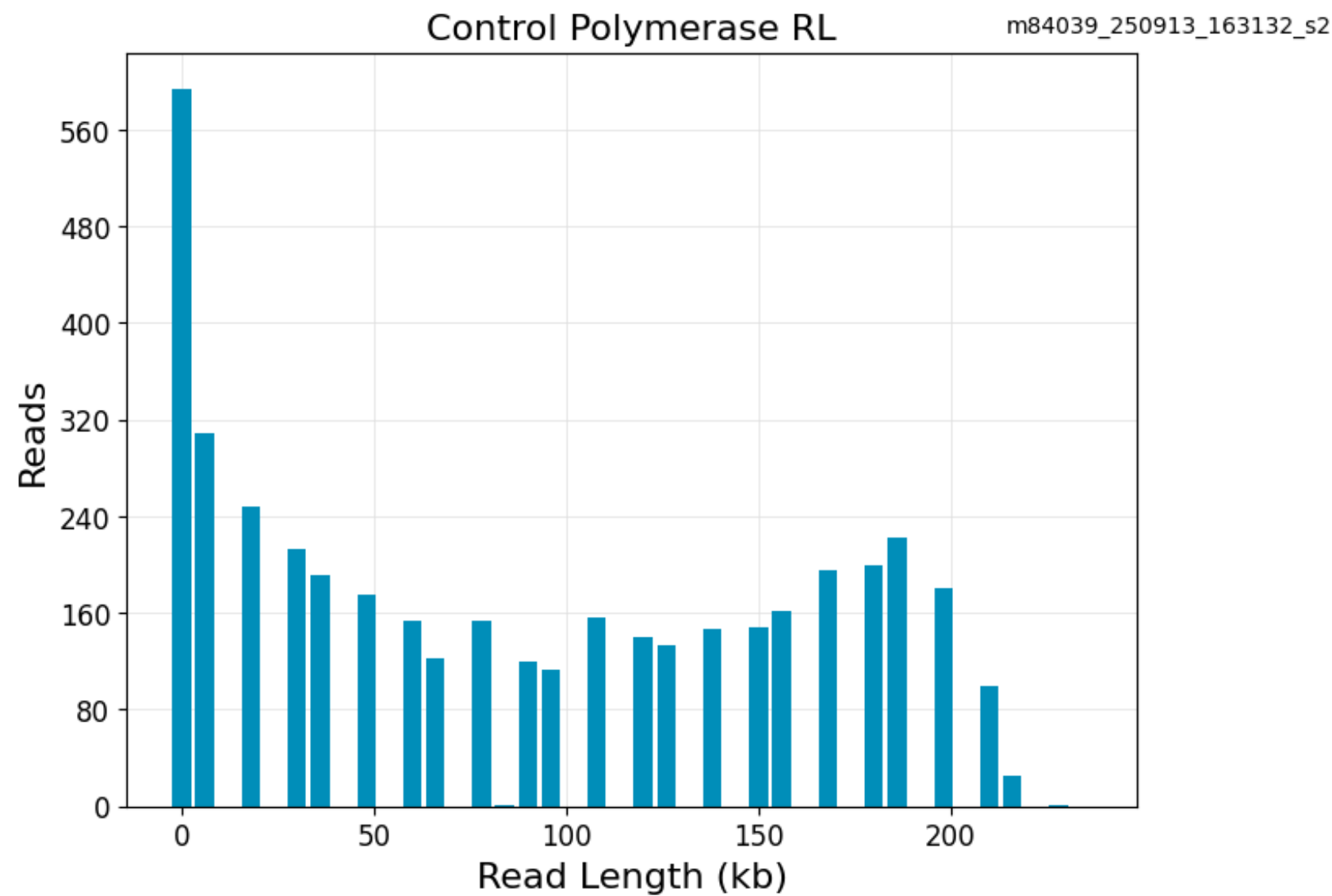
Name	SNAM-4-Cell4 (all samples)
Created At	2025-09-15 08:36:48.788
Number of Records	8,199,412
Total Length	132,393,020,777
Movie Name	m84039_250913_163132_s2
ICS Version	13.3.0.253824
Well Sample	SNAM-4
Biological Sample	SNAM-4
Barcode Name	bcM0004--bcM0004

Control Report

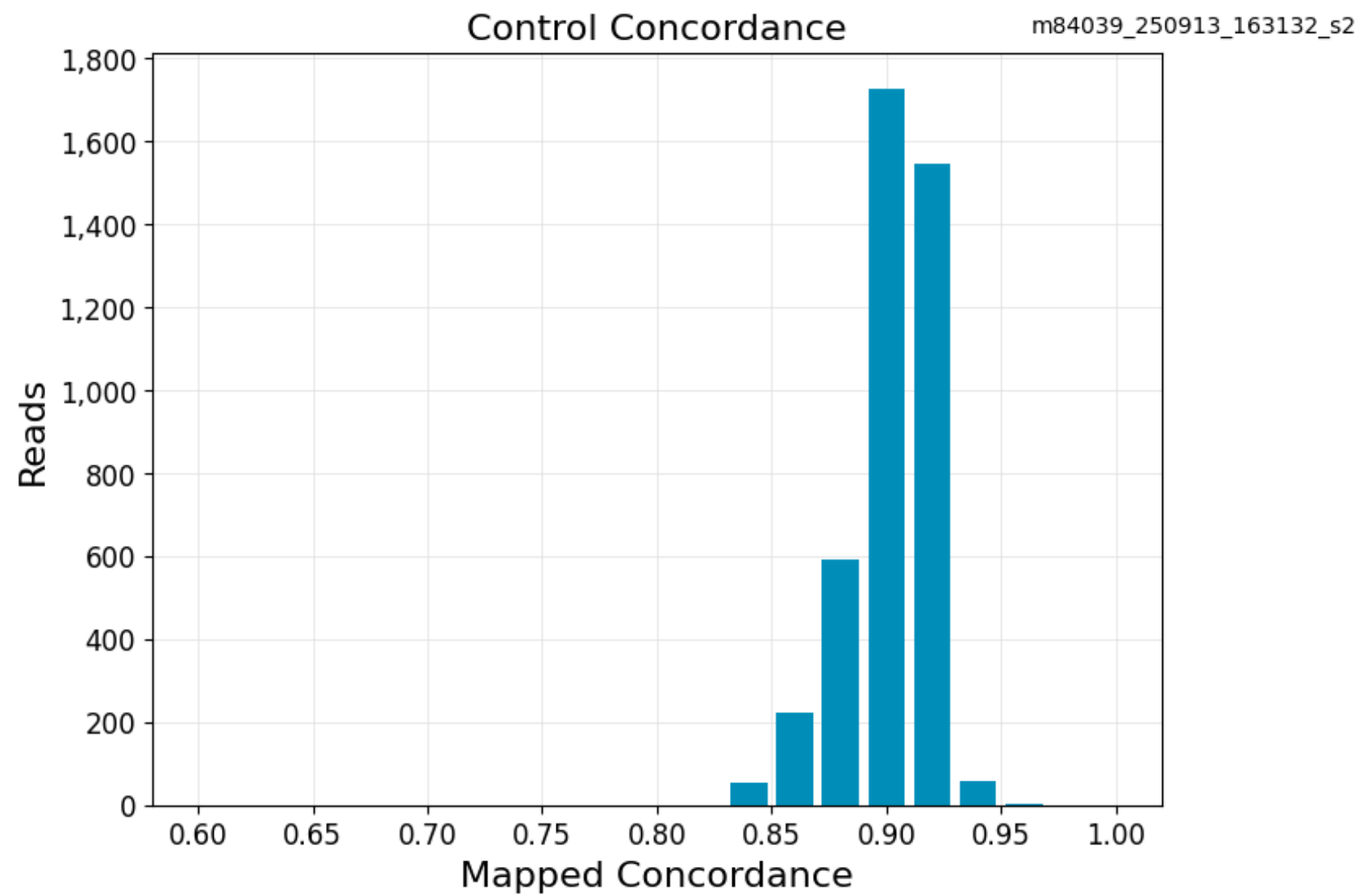
Summary

Number of Control Reads	4,201
Control Read Length Mean	90,104
Control Read Concordance Mean	0.91
Control Read Concordance Mode	0.91

Control Polymerase RL



Control Concordance

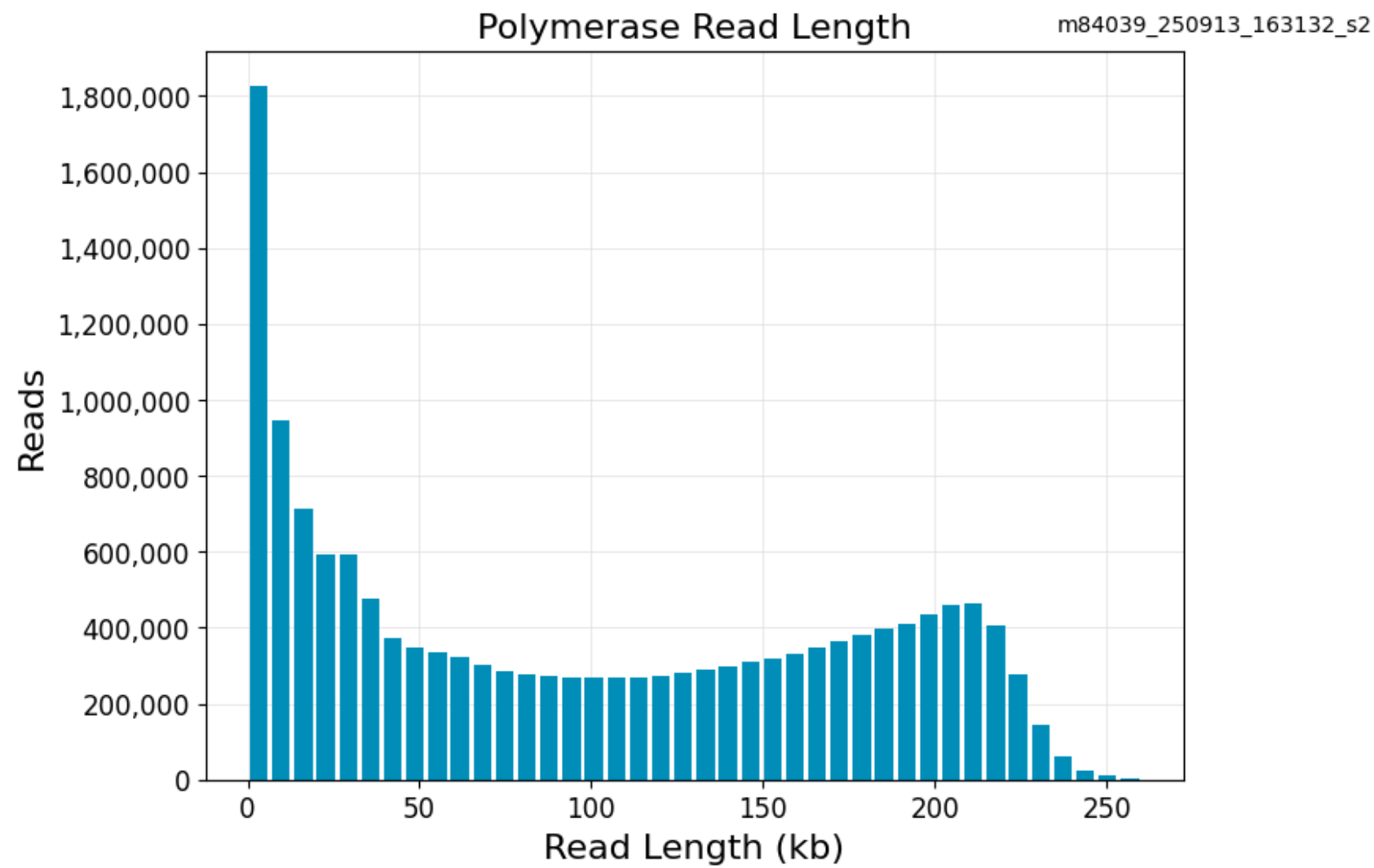


Raw Data Report

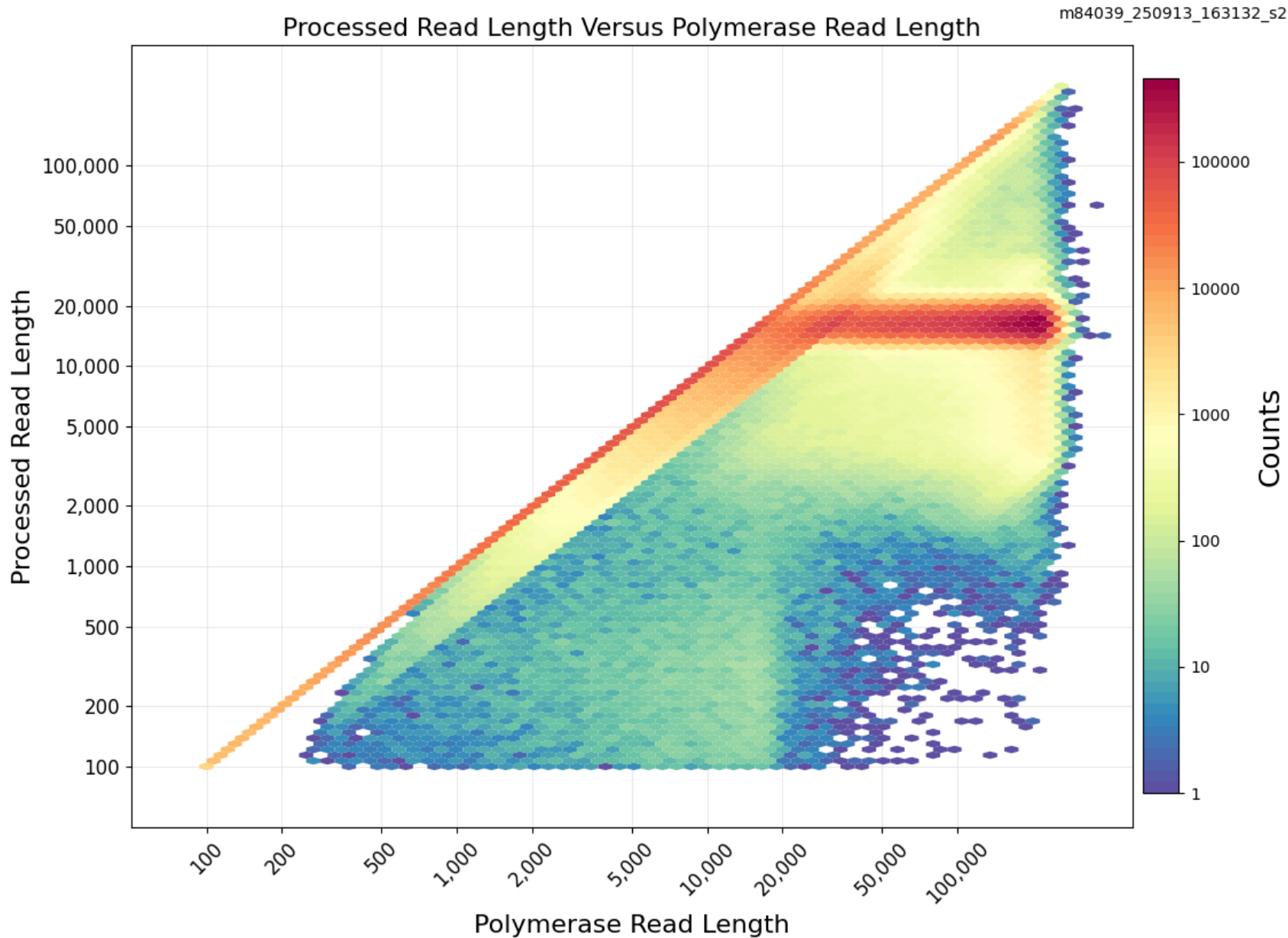
Summary

Polymerase Read Bases	1,430,957,648,566
Polymerase Reads	15,031,573
Polymerase Read Length (mean)	95.20 kb
Polymerase read length (N50)	172.75 kb
Polymerase read length longest subread length (mean)	16.17 kb
Polymerase read length longest subread length (N50)	17.25 kb
Unique Molecular Yield	232,893,480,960
Local Base Rate	2.75

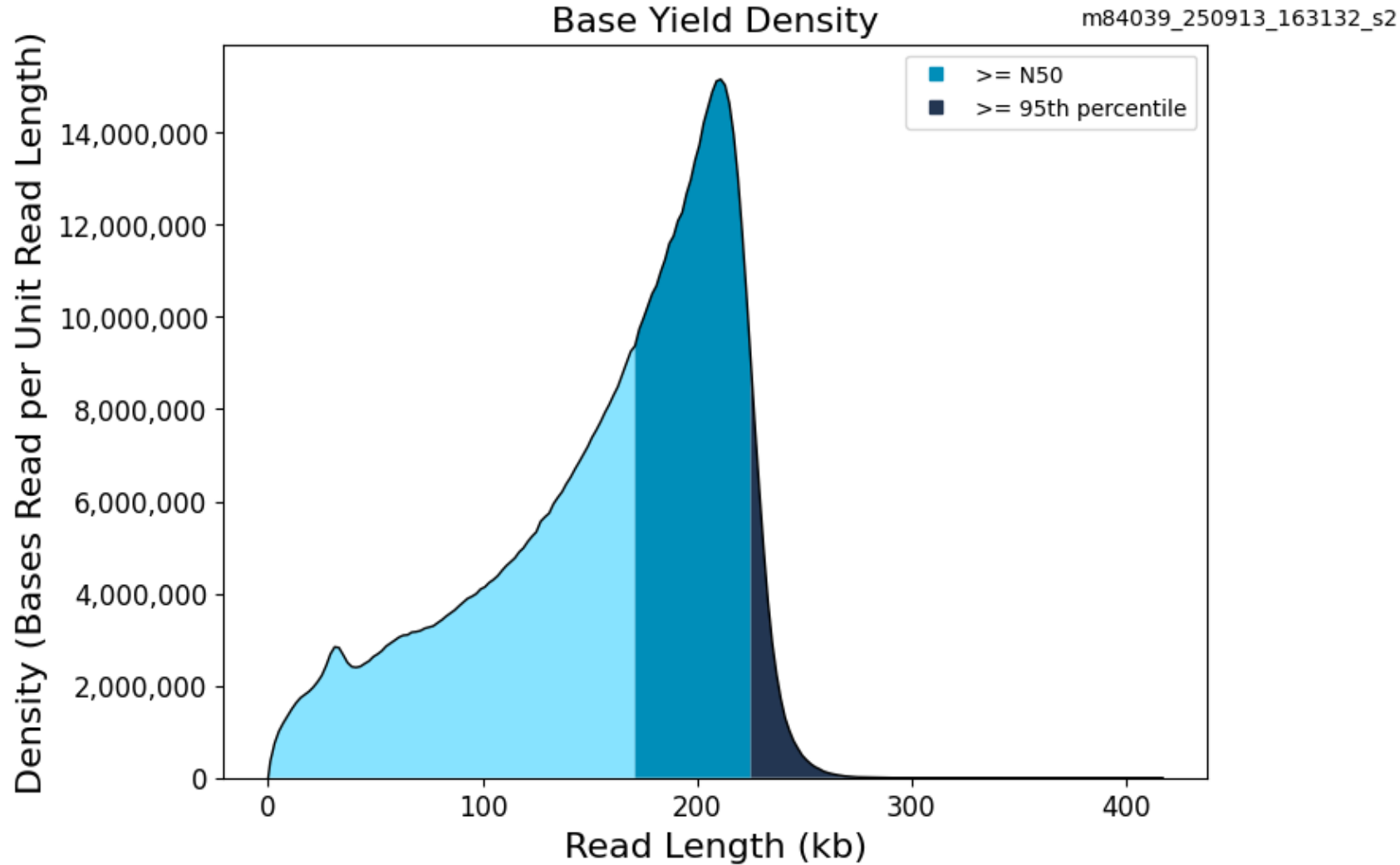
Polymerase Read Length



Longest Subread Length Versus Polymerase Read Length



Base Yield Density



Barcodes

Summary

Unique Barcodes	1
Barcoded HiFi Reads	8,199,412
Unbarcoded HiFi Reads	13,569
Barcoded HiFi Reads (%)	99.83 %
Barcoded HiFi yield (Gb)	132.39 Gb
Unbarcoded HiFi yield (Gb)	0.18 Gb
Barcoded HiFi Yield (%)	99.87 %
Mean HiFi Reads per Barcode	8,199,412
Max. HiFi Reads per Barcode	8,199,412
Min. HiFi Reads per Barcode	8,199,412
Barcoded HiFi read length (mean, kb)	16.15 kb
Unbarcoded HiFi read length (mean, kb)	13.14 kb

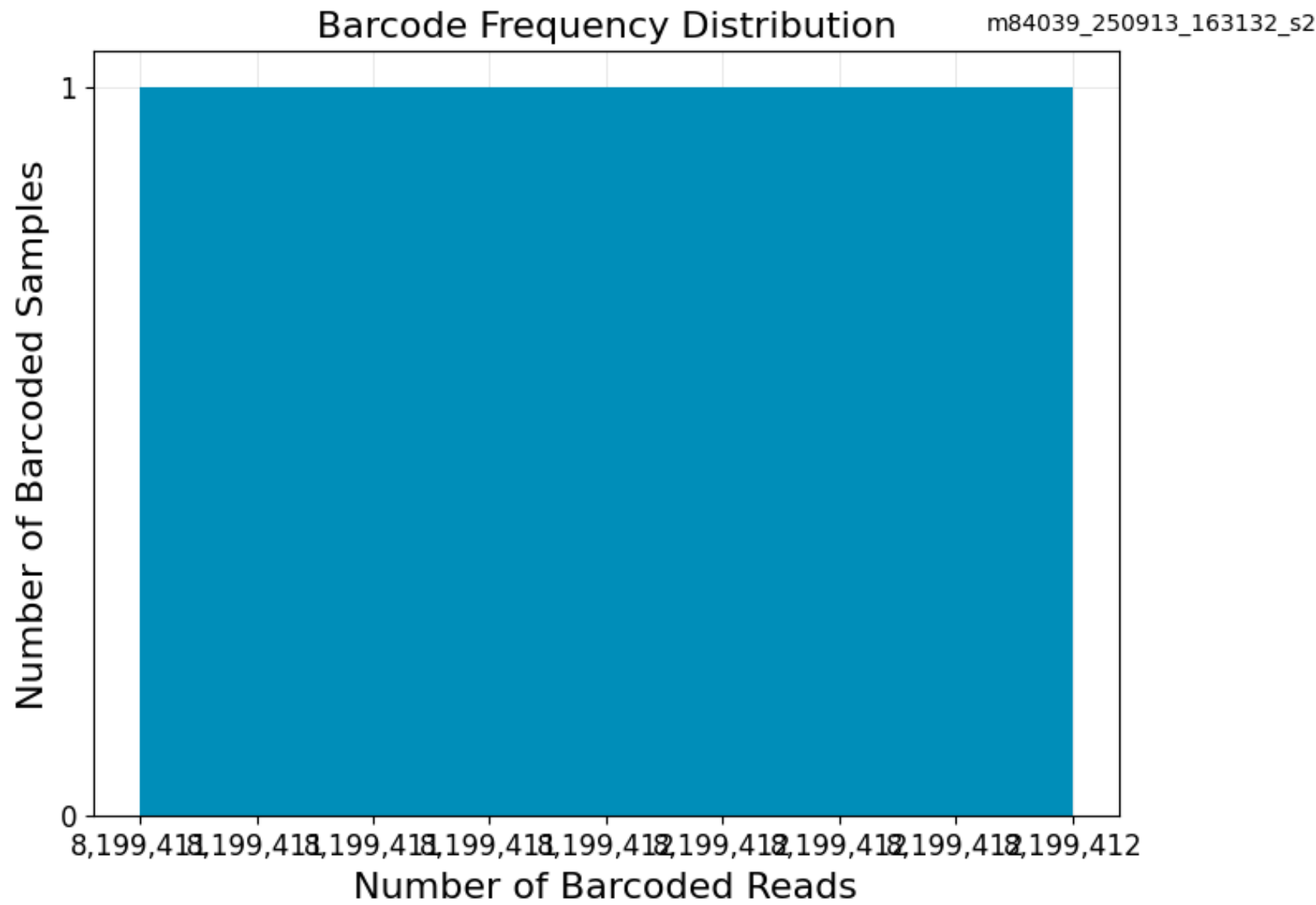
Barcode Data

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-4	bcM0004--bcM0004	97.4	8199412	16146	Q32	132393020777	155420
No Name	Not Barcoded	0.0	13569	13143	Q27	178337715	122751

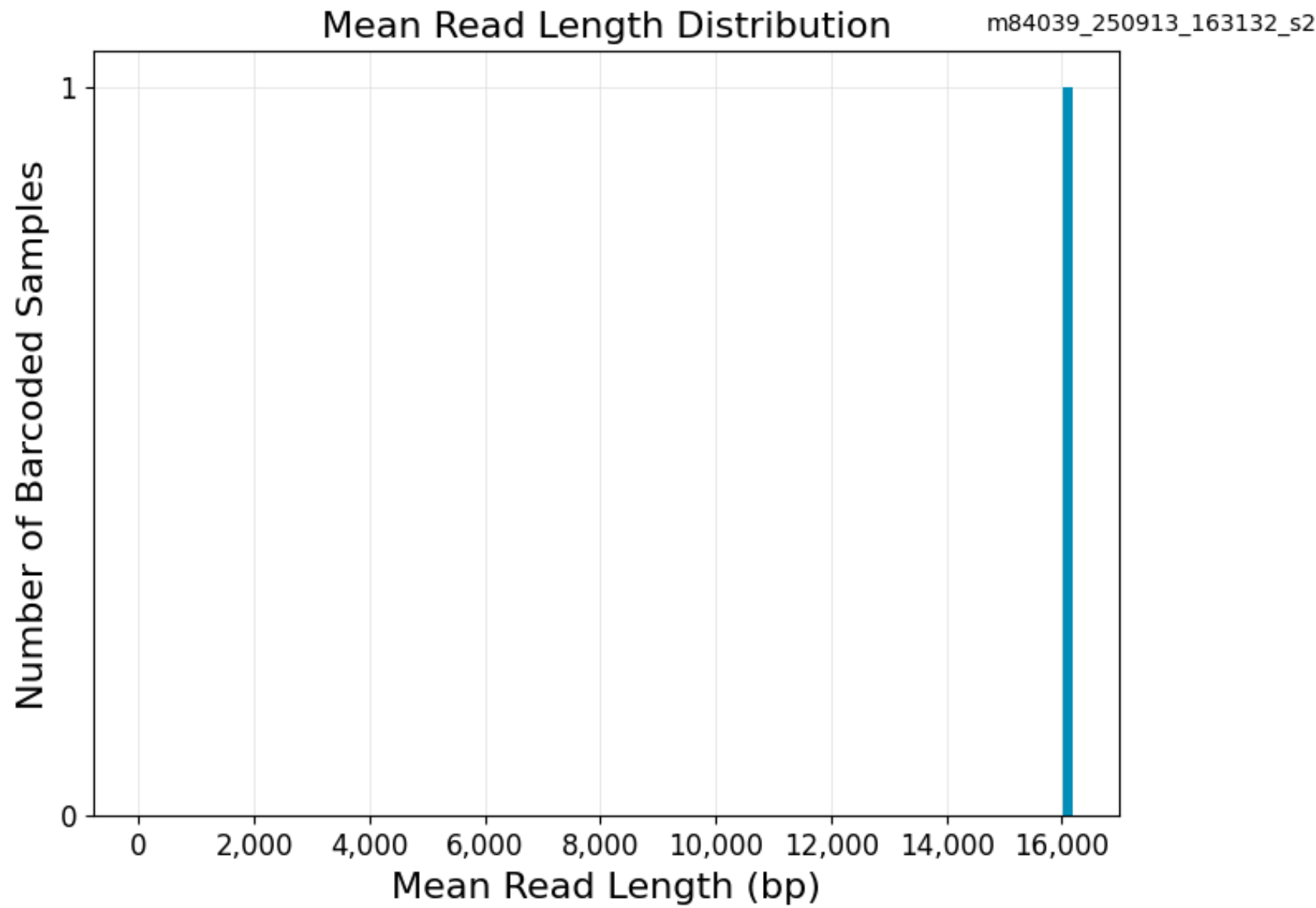
Number Of Reads Per Barcode



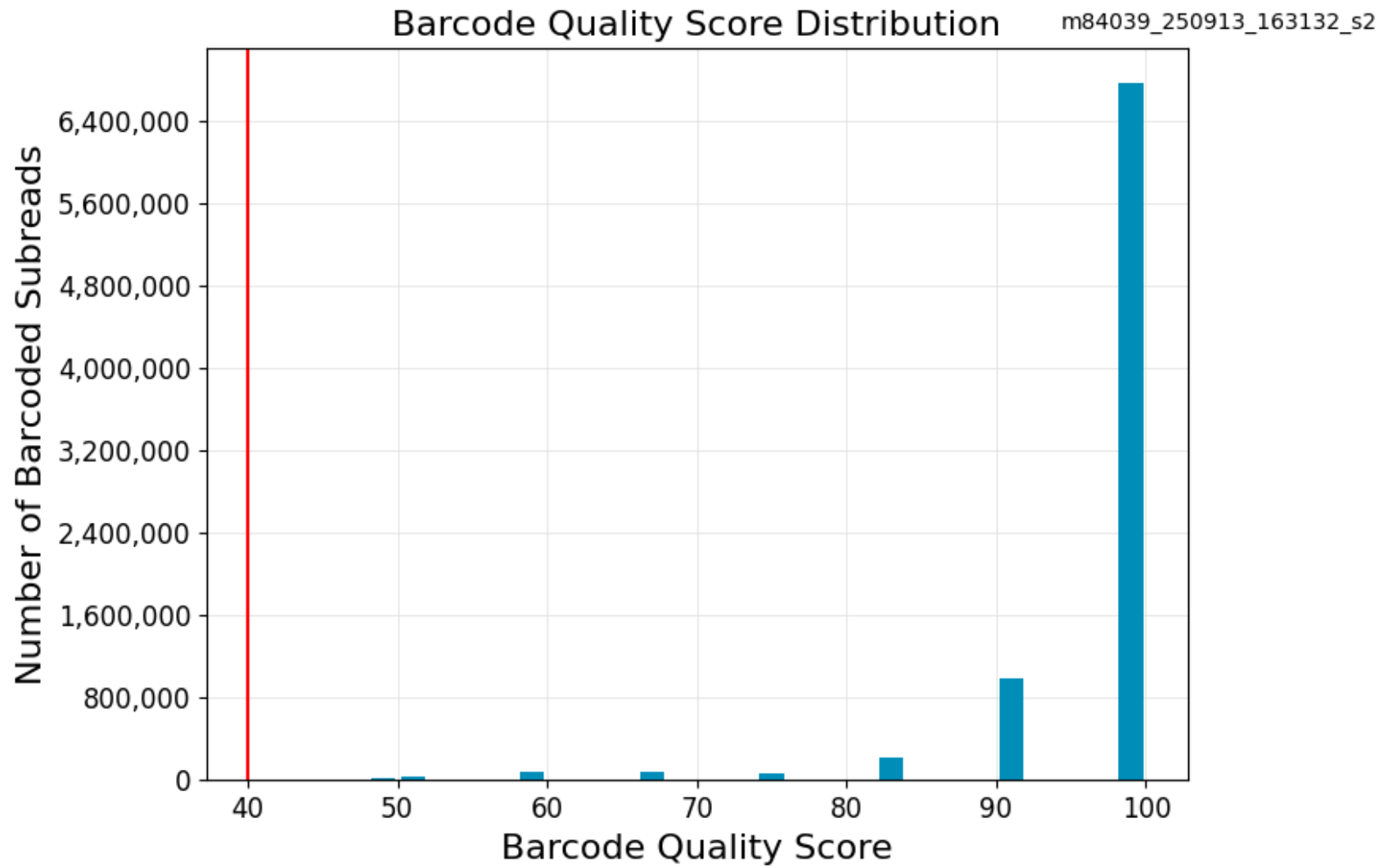
Barcode Frequency Distribution



Mean Read Length Distribution



Barcode Quality Score Distribution



Run Preview

Summary

Estimated HiFi Yield (Gb)	None
HiFi read quality, median	None
HiFi read length, mean	15,635
P1 (%)	56
Time (Hrs)	4
Workflow	Basic
Movie Name	m84039_250913_163132_s2_basic_preview_4hr
Movie Id	m84039_250913_163132_s2

Barcode preview

Barcode	HiFi reads	HiFi read length (mean, bp)
bcM0004--bcM0004	93.6%	15638
Other	1.8%	15821
Not Barcoded	4.6%	15229

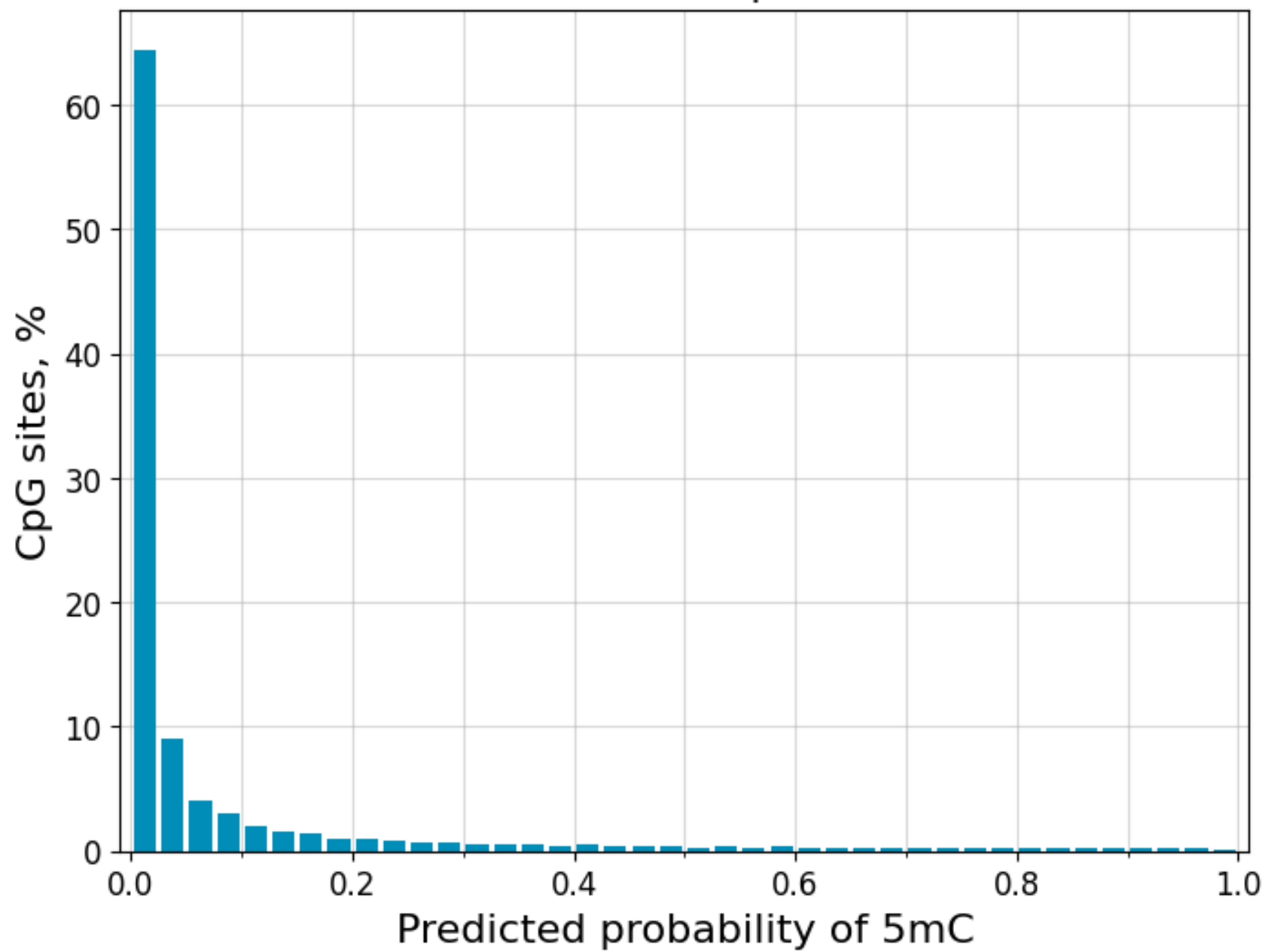
Methylation

Summary

Modification	Motif	Scored sites	Modified sites (Pr > 0.5)
5mC	CpG	98.5%	4.9%
6mA	A	0.5%	0.5%

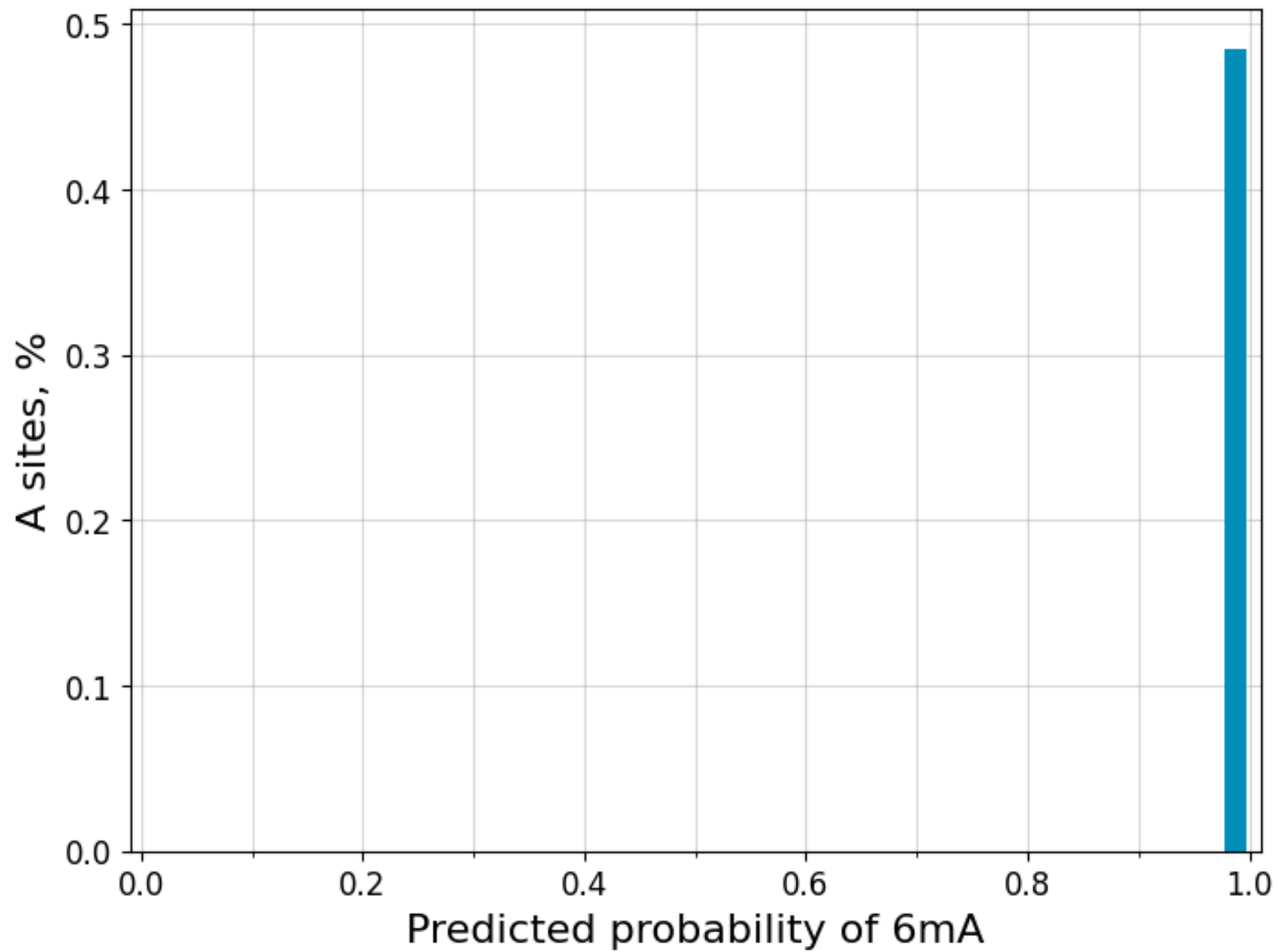
5mC methylation at CpG in reads

5mC at CpG



6mA methylation in reads

6mA



Loading Report

Summary

Productive ZMWs	25,165,824
Productivity 0	10,072,137
Productivity 1	15,035,774
Productivity 2	57,913

Run Preview

Summary

Estimated HiFi Yield (Gb)	125,312,150,848
HiFi read quality, median	32
HiFi read length, mean	16,163
P1 (%)	None
Time (Hrs)	23
Workflow	Full
Movie Name	m84039_250913_163132_s2_full_preview_23hr
Movie Id	m84039_250913_163132_s2

Barcode preview

Barcode	HiFi reads	HiFi read length (mean, bp)
bcM0004--bcM0004	99.2%	16157
Not Barcoded	0.8%	15358

CCS Analysis Report

Summary

HiFi reads	8.2 M
HiFi reads yield	132.57 Gb
HiFi reads length (mean)	16.14 kb
HiFi reads length (median, bp)	16,202
HiFi Read Length N50 (bp)	16,382
HiFi Read Quality (median)	Q32
HiFi Read Quality (median)	32
Base Quality Q30 (%)	95.84%
HiFi Number of Passes (mean)	9
Missing adapters (%)	2.55%

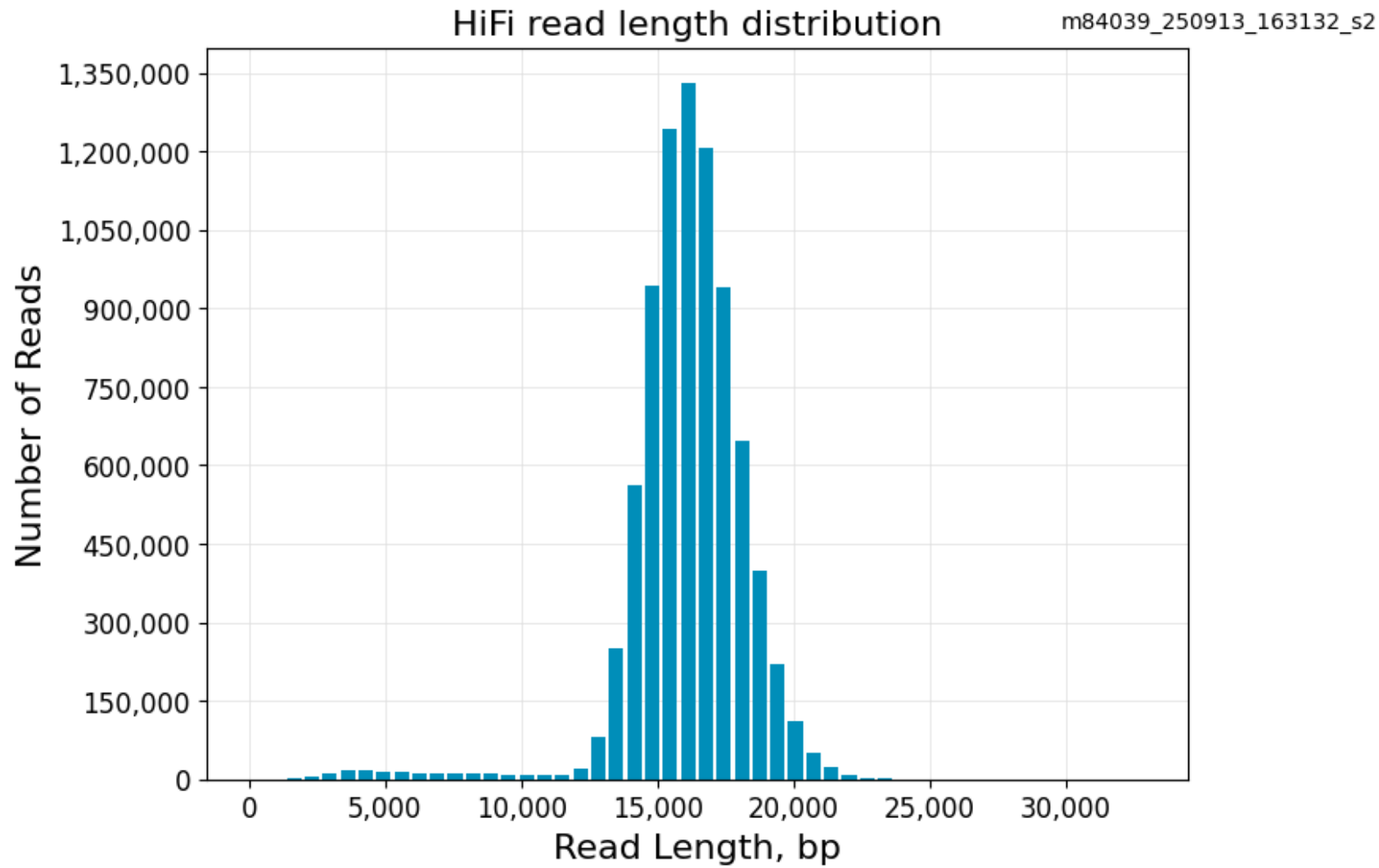
HiFi Read Length Summary

Read Length (kb)	Reads	Reads (%)	Yield (Gb)	Yield (%)
0	8212981	100	132.57 Gb	100
5,000	8151579	99	132.35 Gb	100
10,000	8069024	98	131.74 Gb	99
15,000	6404746	78	108.11 Gb	82
20,000	147161	2	3.06 Gb	2
25,000	261	0	0.01 Gb	0
30,000	64	0	0.00 Gb	0
35,000	8	0	0.00 Gb	0
40,000	1	0	0.00 Gb	0

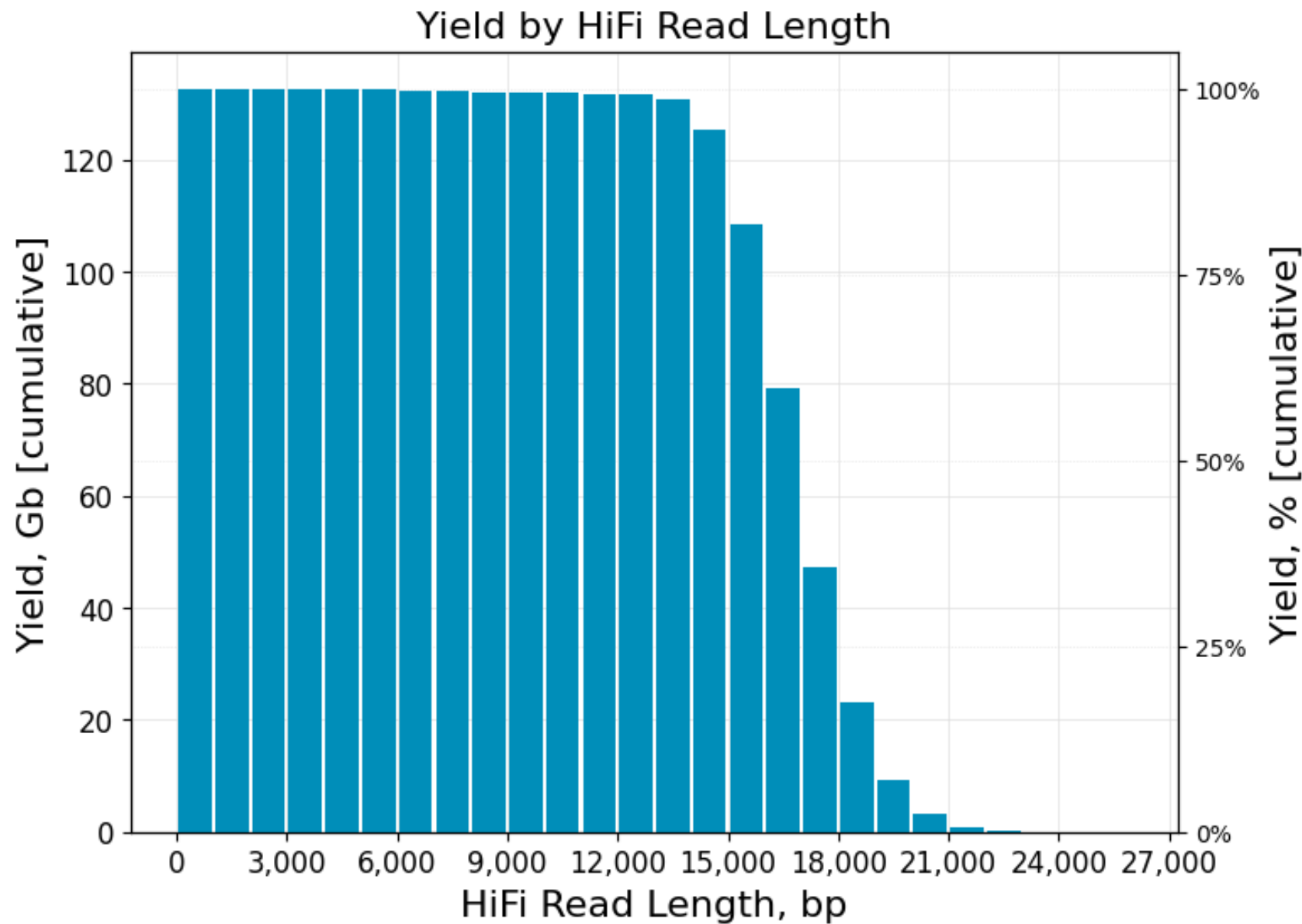
HiFi Read Quality Summary

Read Quality (Phred)	Reads	Reads (%)	Yield (Gb)	Yield (%)
Q20	8212981	100	132.57 Gb	100
Q30	5408366	66	86.96 Gb	66
Q40	90269	1	0.88 Gb	1
Q50	13215	0	0.05 Gb	0

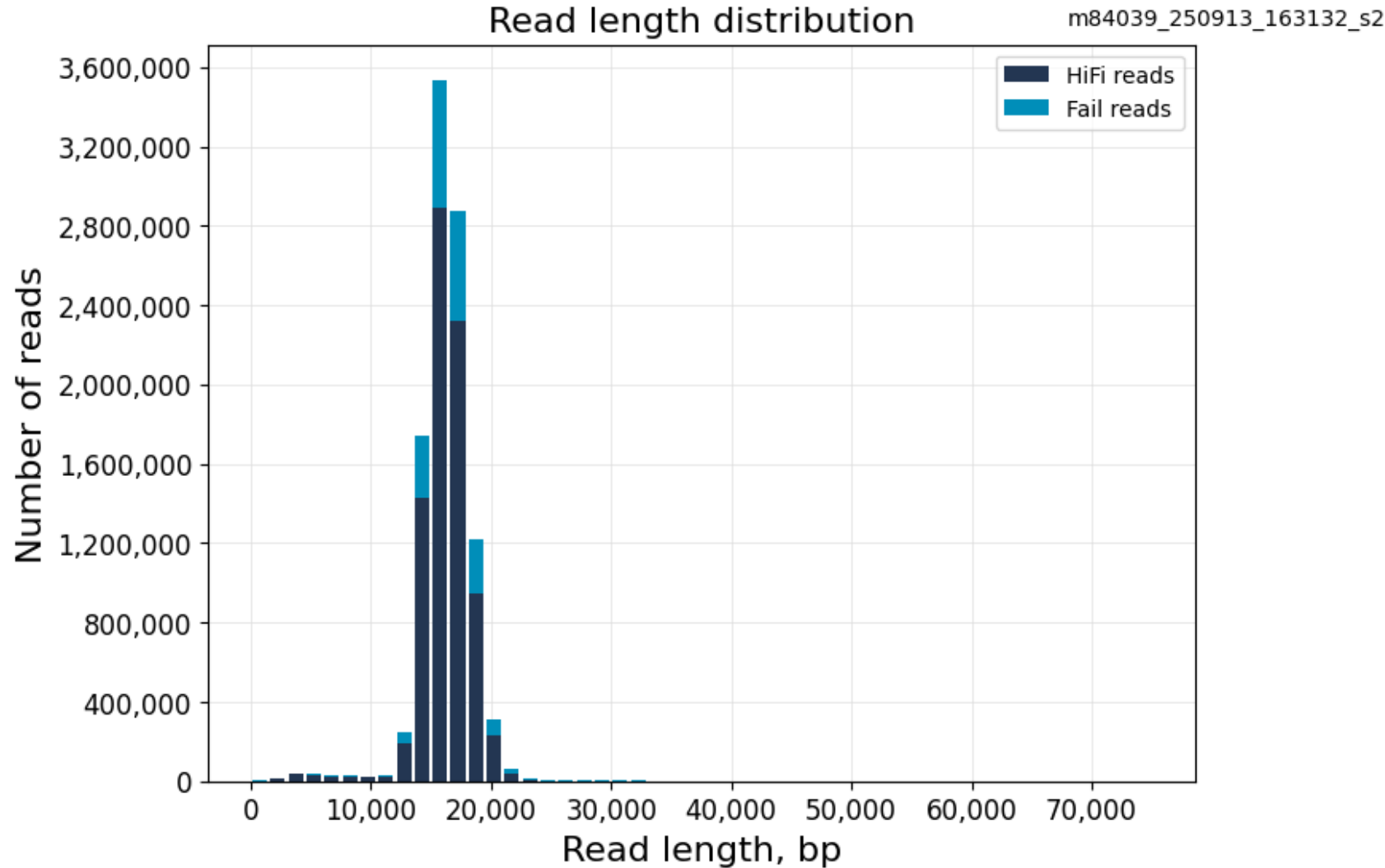
HiFi read length distribution



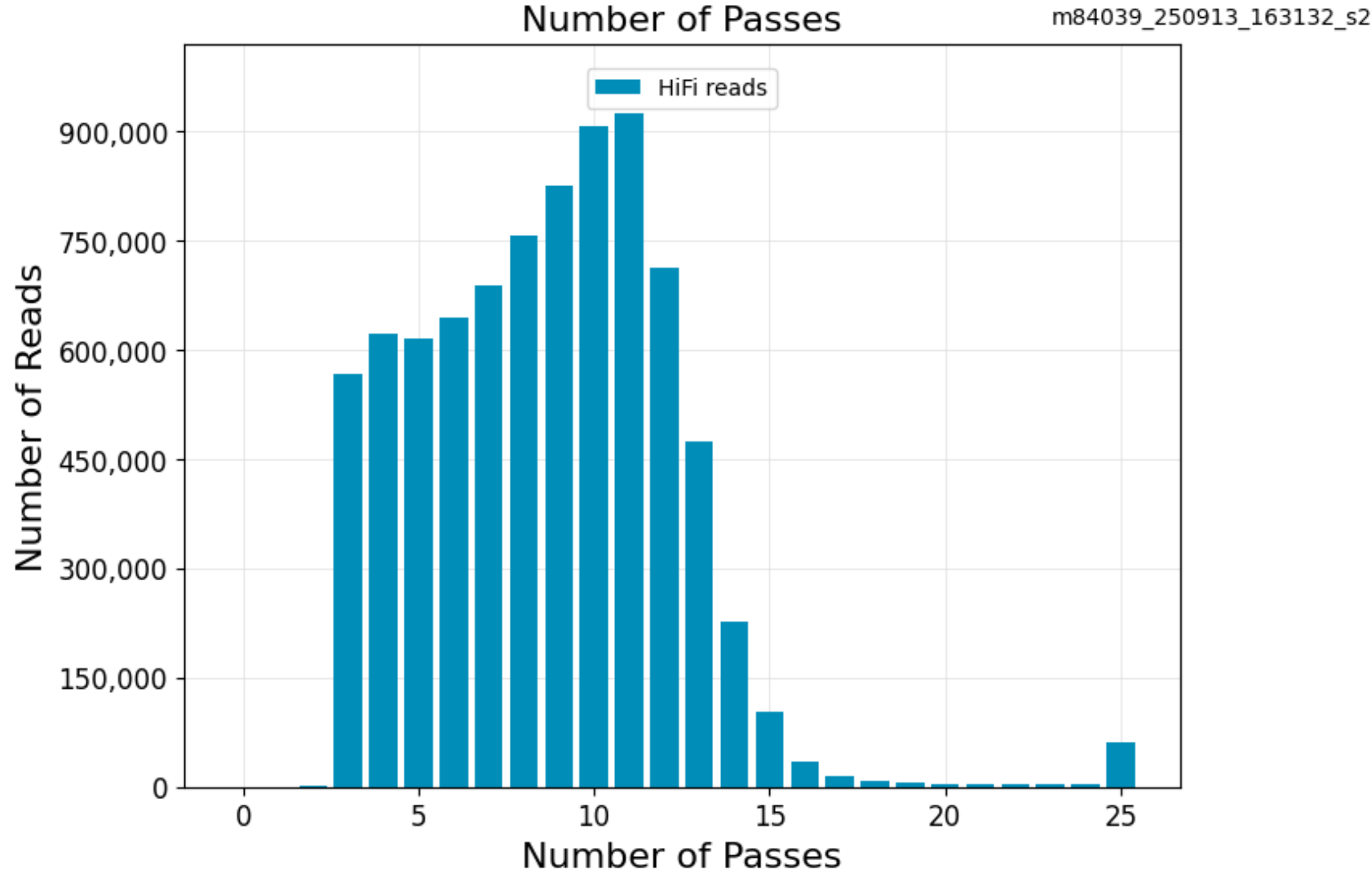
Yield by HiFi Read Length



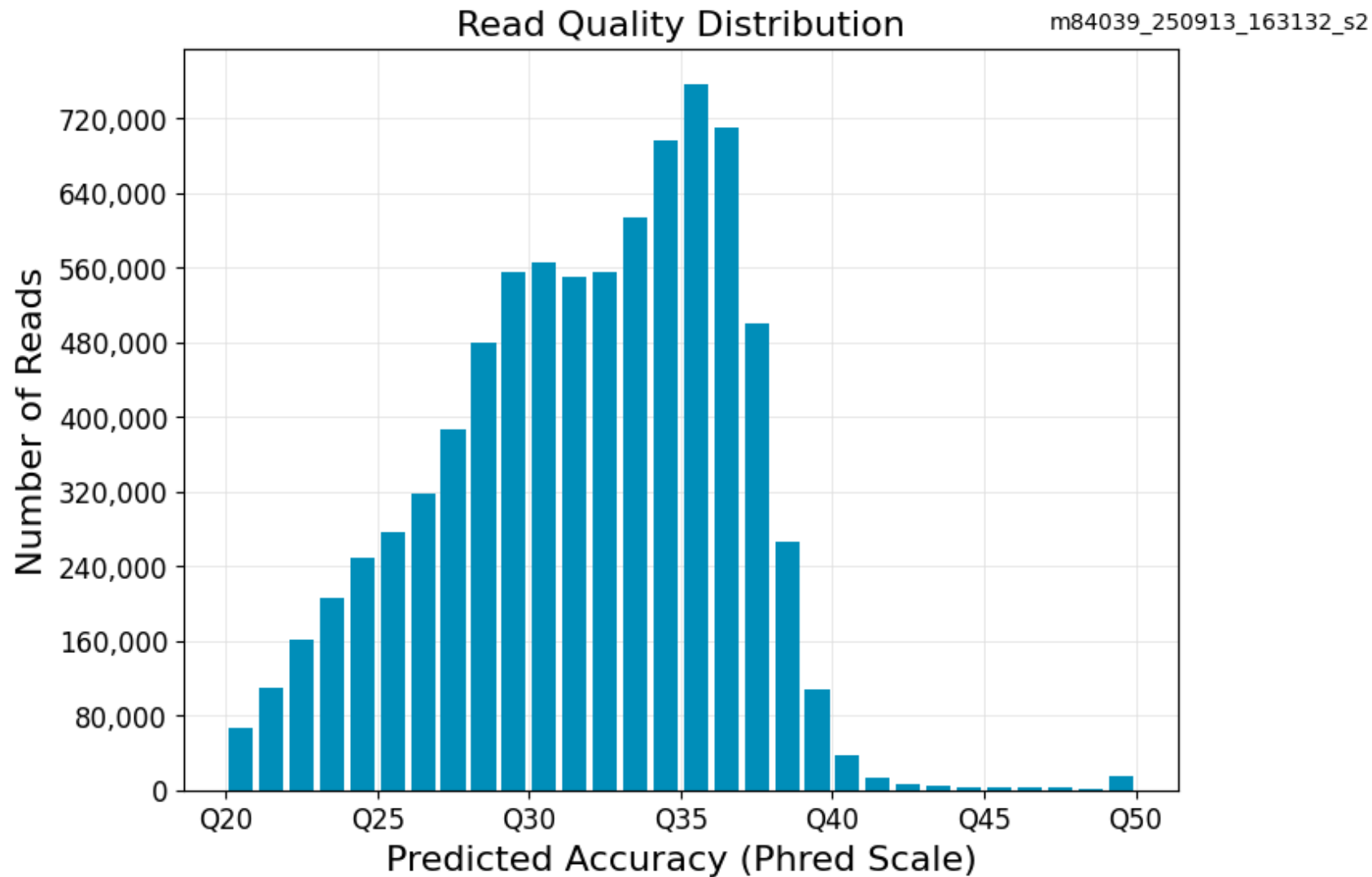
Read length distribution



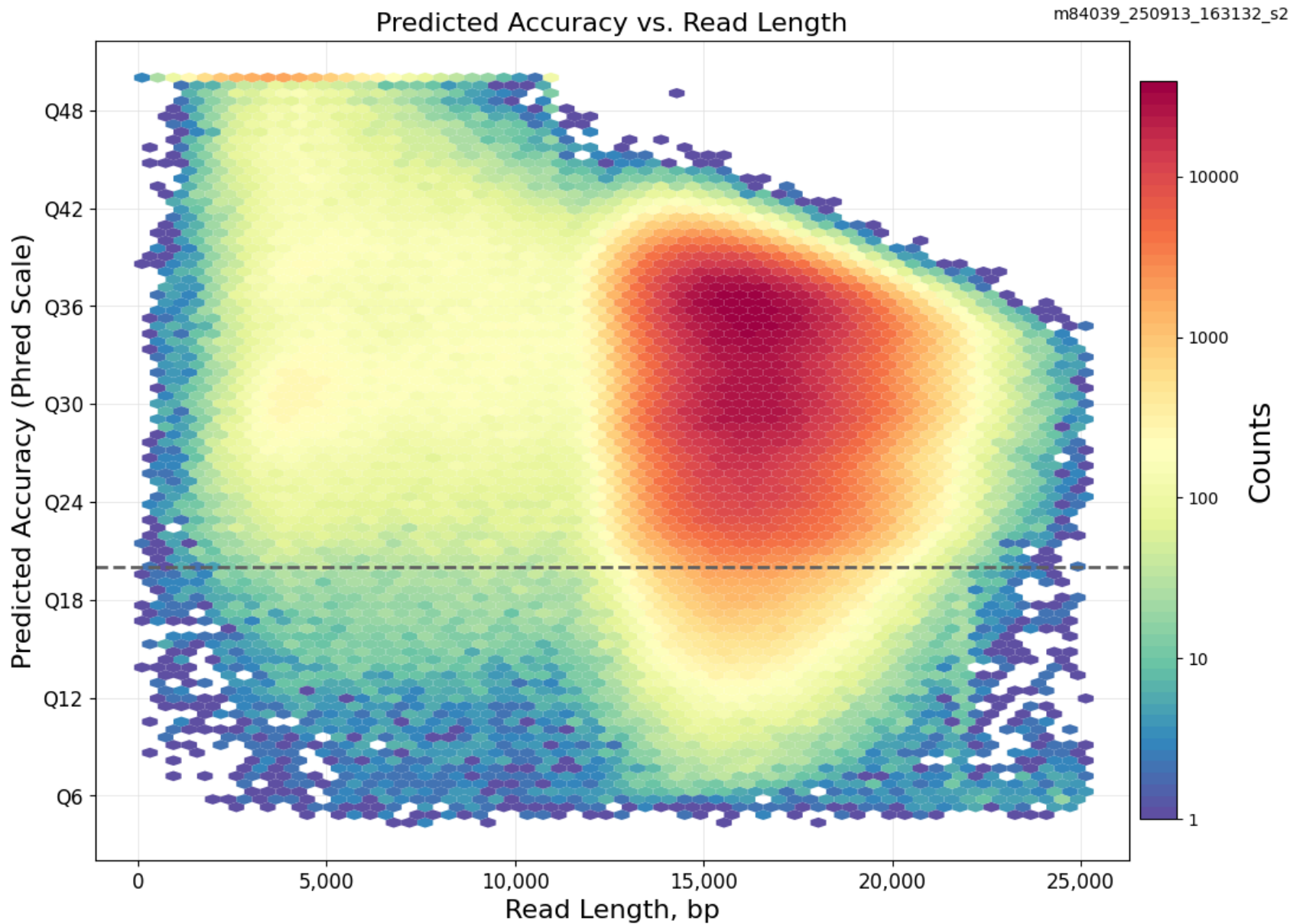
Number of Passes



Read Quality Distribution



Predicted Accuracy vs. Read Length



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 12245

Summary

Job Type	import-collection
Name	import-collection
Comments	Description for job Import Collection
Created At	2025-09-15 08:46:36.986
SMRT Link Version	25.3.0.273777

No child jobs found