

Report for dataset SNAM-6-Cell6 (all samples)

Dataset 0e0974c6-d2a5-48d8-a2ea-aa0ce25a76d0

Summary

Name	SNAM-6-Cell6 (all samples)
Created At	2025-09-16 03:18:17.503
Number of Records	8,258,305
Total Length	127,866,962,272
Movie Name	m84039_250914_142039_s4
ICS Version	13.3.0.253824
Well Sample	SNAM-6
Biological Sample	SNAM-6
Barcode Name	bcM0002--bcM0002

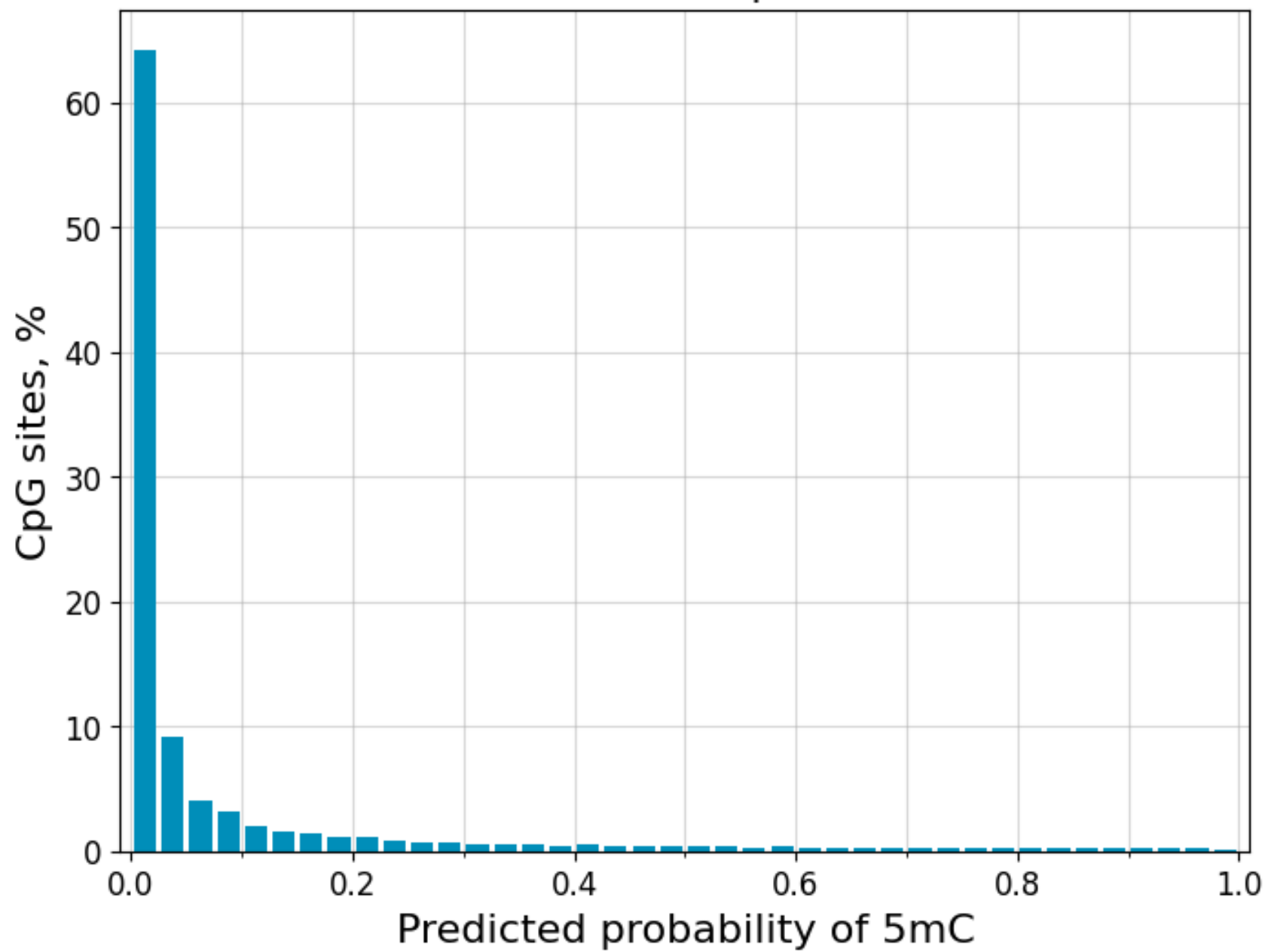
Methylation

Summary

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

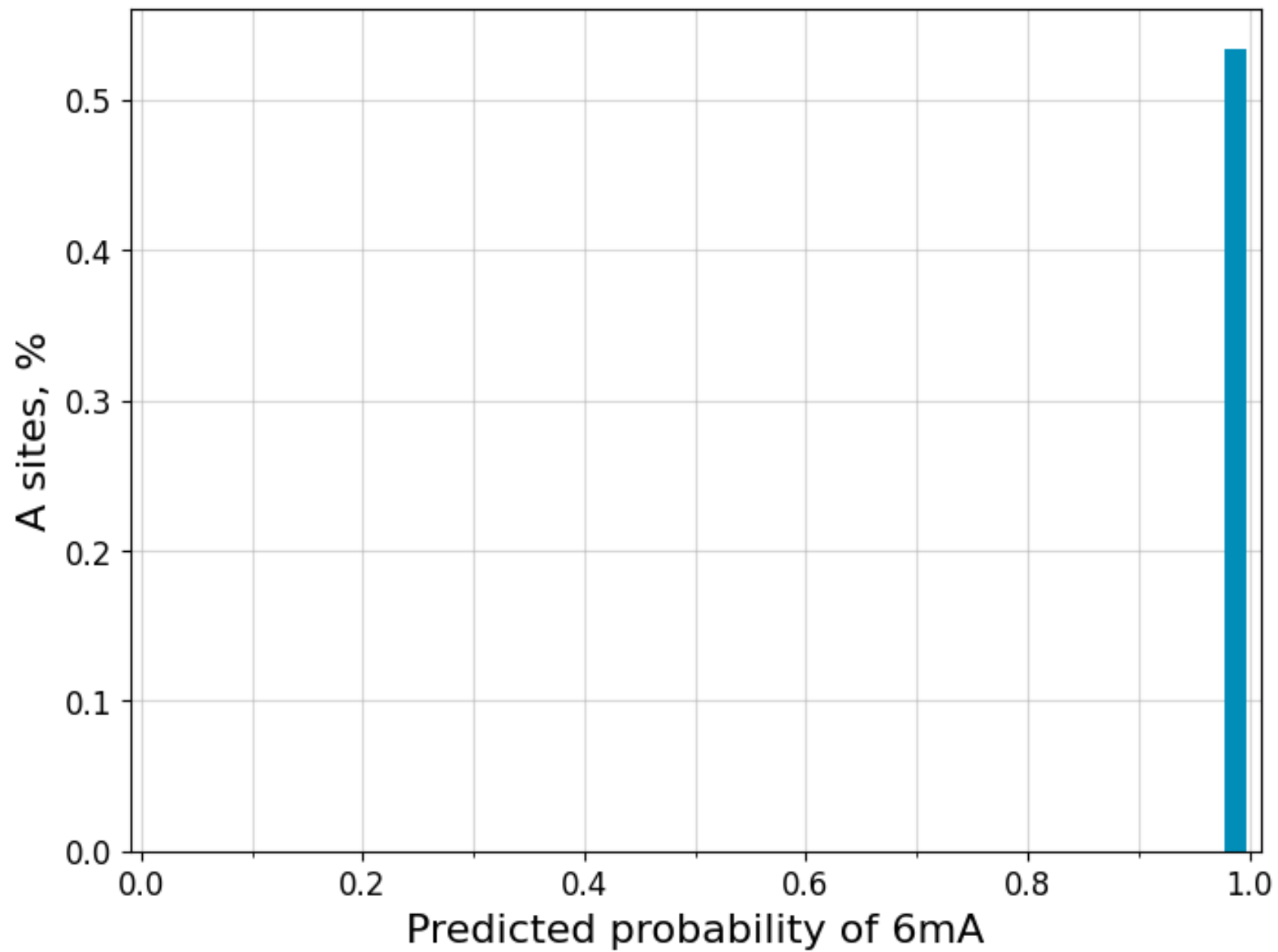
5mC methylation at CpG in reads

5mC at CpG



6mA methylation in reads

6mA



Run Preview

Summary

Estimated HiFi Yield (Gb)	None
HiFi read quality, median	None
HiFi read length, mean	14,936
P1 (%)	58.30 %
Time (Hrs)	4
Workflow	Basic
Movie Name	m84039_250914_142039_s4_basic_preview_4hr
Movie Id	m84039_250914_142039_s4

Barcode preview

Barcode	HiFi reads	HiFi read length (mean, bp)
bcM0002--bcM0002	91.9%	14954
bcM0004--bcM0004	1.2%	14553
Other	0.7%	13103
Not Barcoded	6.2%	14756

CCS Analysis Report

Summary

HiFi reads	8.3 M
HiFi reads yield	128.21 Gb
HiFi reads length (mean)	15.48 kb
HiFi reads length (median, bp)	15,512
HiFi Read Length N50 (bp)	15,674
HiFi Read Quality (median)	Q32
HiFi Read Quality (median)	32
Base Quality Q30 (%)	95.65%
HiFi Number of Passes (mean)	9
Missing adapters (%)	2.21%

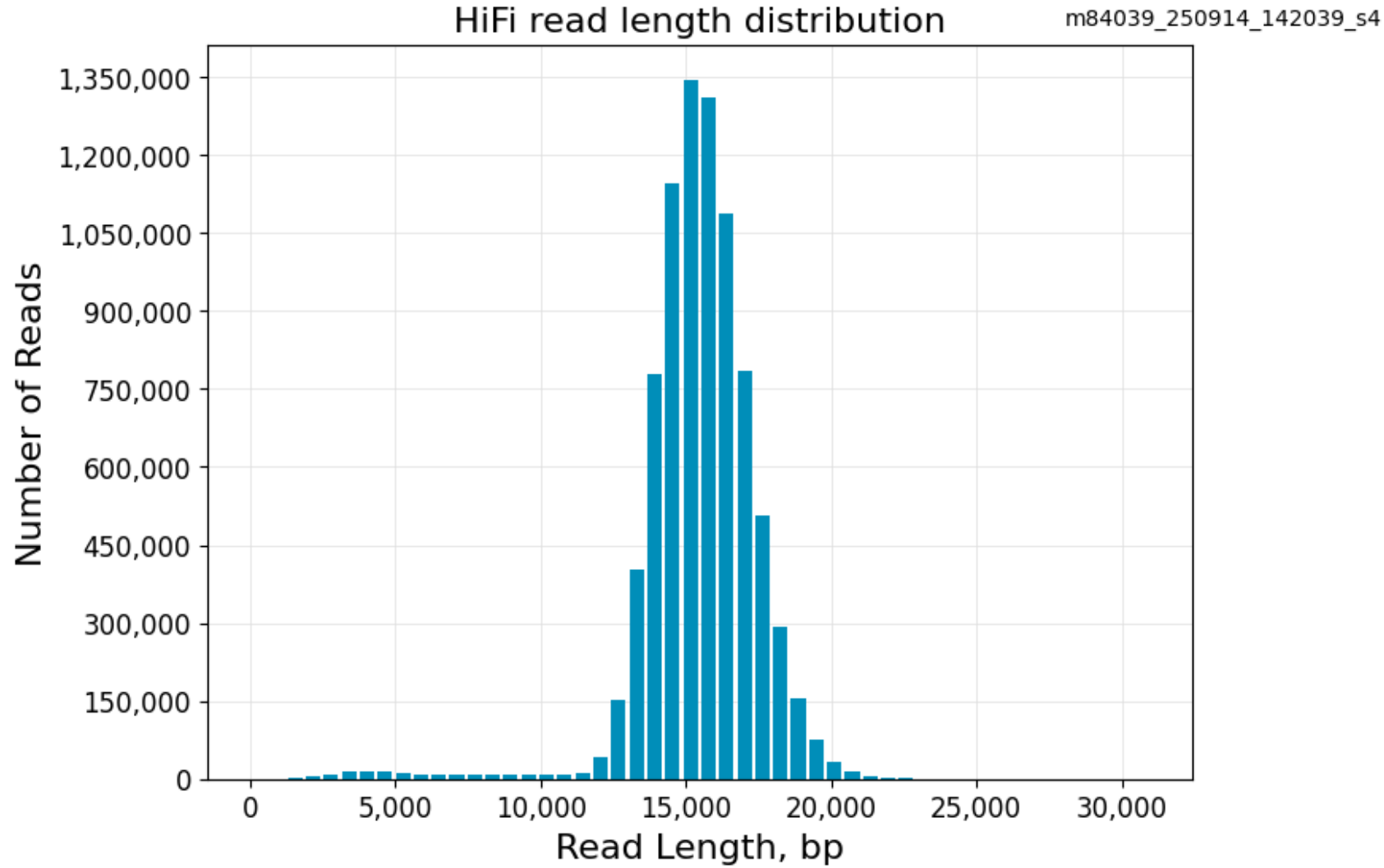
HiFi Read Length Summary

Read Length (kb)	Reads	Reads (%)	Yield (Gb)	Yield (%)
0	8284378	100	128.21 Gb	100
5,000	8224245	99	128.00 Gb	100
10,000	8157056	98	127.50 Gb	99
15,000	5268957	64	86.79 Gb	68
20,000	42204	1	0.87 Gb	1
25,000	240	0	0.01 Gb	0
30,000	52	0	0.00 Gb	0
35,000	2	0	0.00 Gb	0
40,000	0	0	0.00 Gb	0

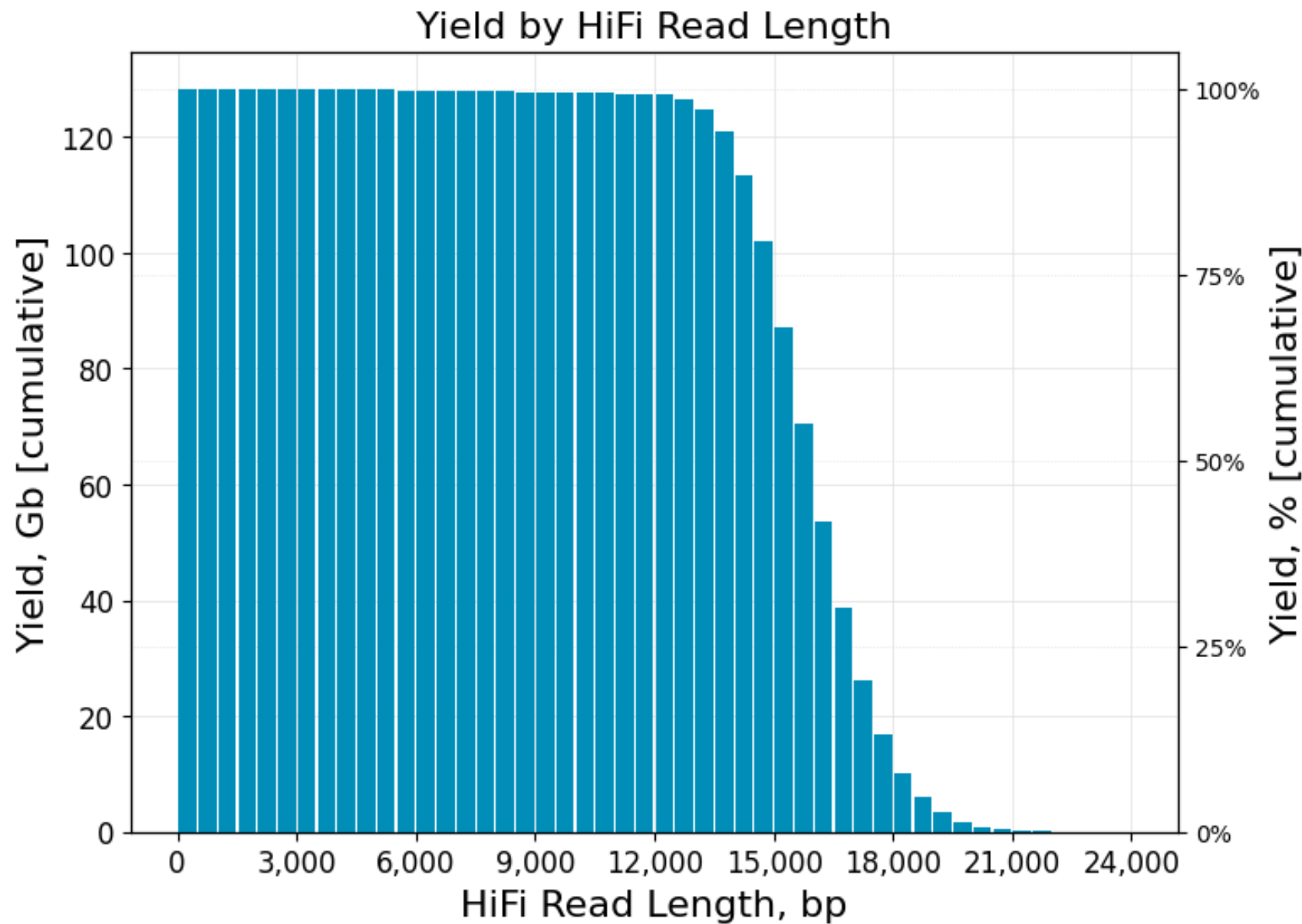
HiFi Read Quality Summary

Read Quality (Phred)	Reads	Reads (%)	Yield (Gb)	Yield (%)
Q20	8284378	100	128.21 Gb	100
Q30	5207690	63	80.32 Gb	63
Q40	81293	1	0.80 Gb	1
Q50	11405	0	0.04 Gb	0

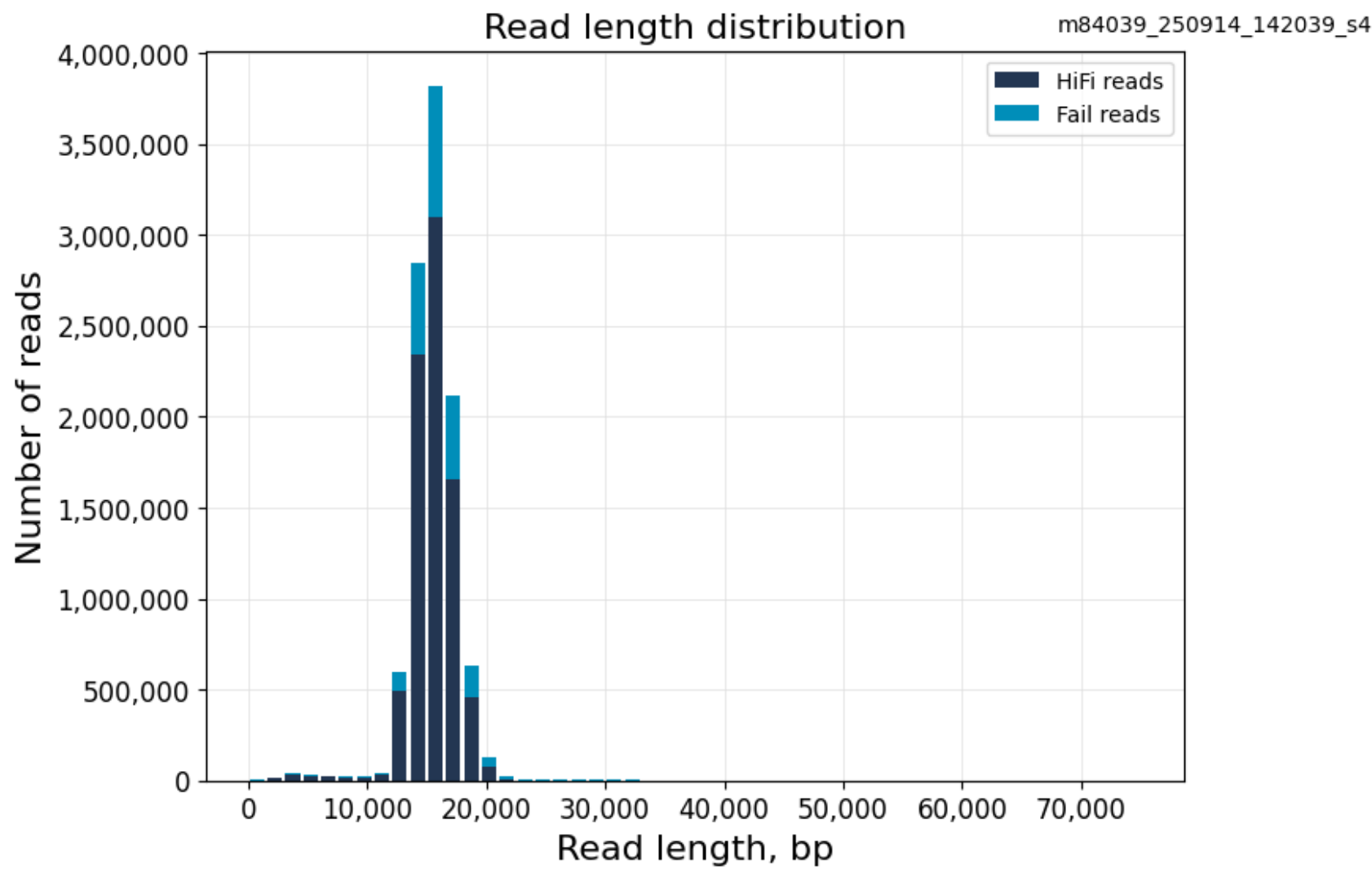
HiFi read length distribution



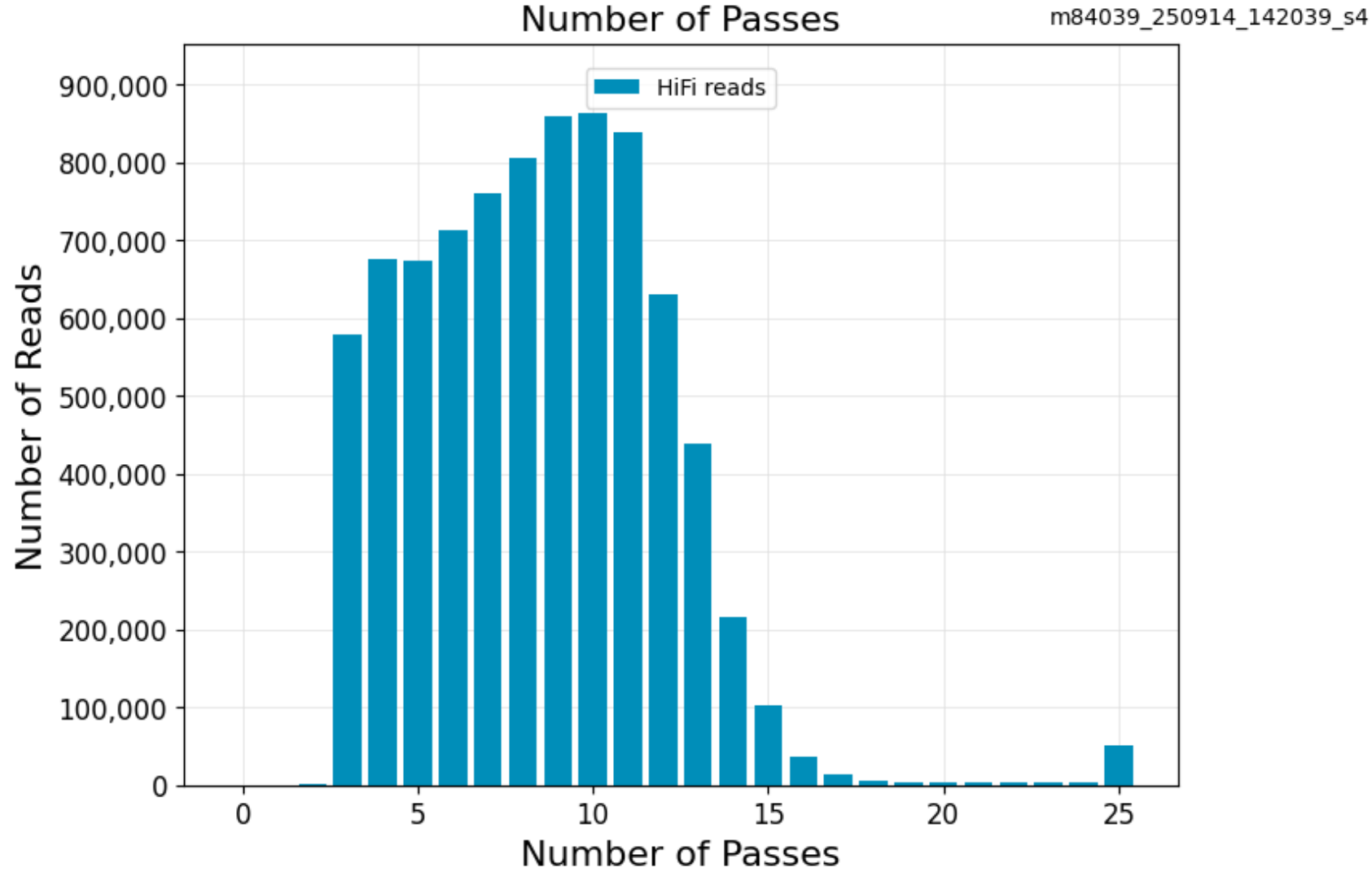
Yield by HiFi Read Length



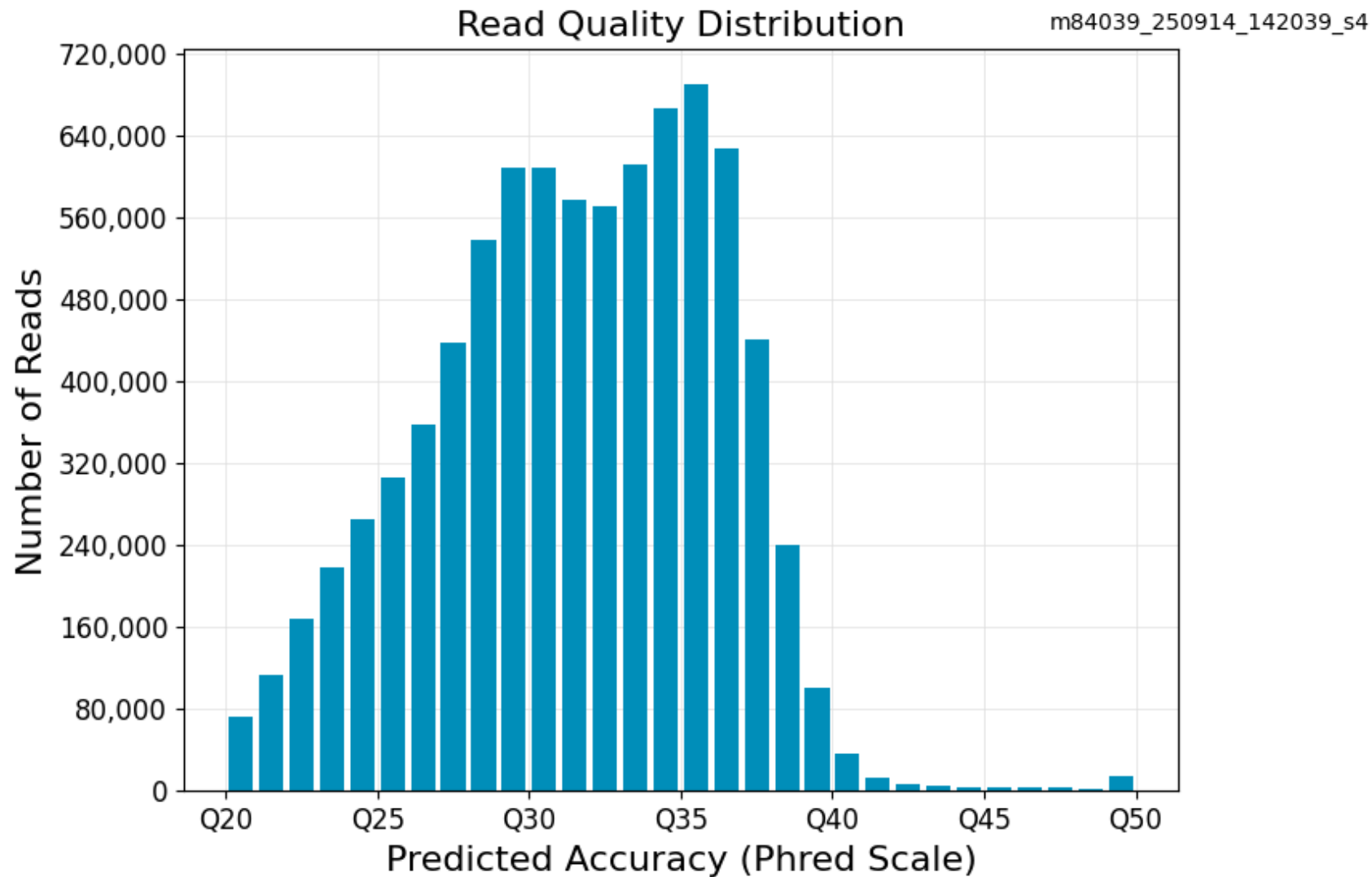
Read length distribution



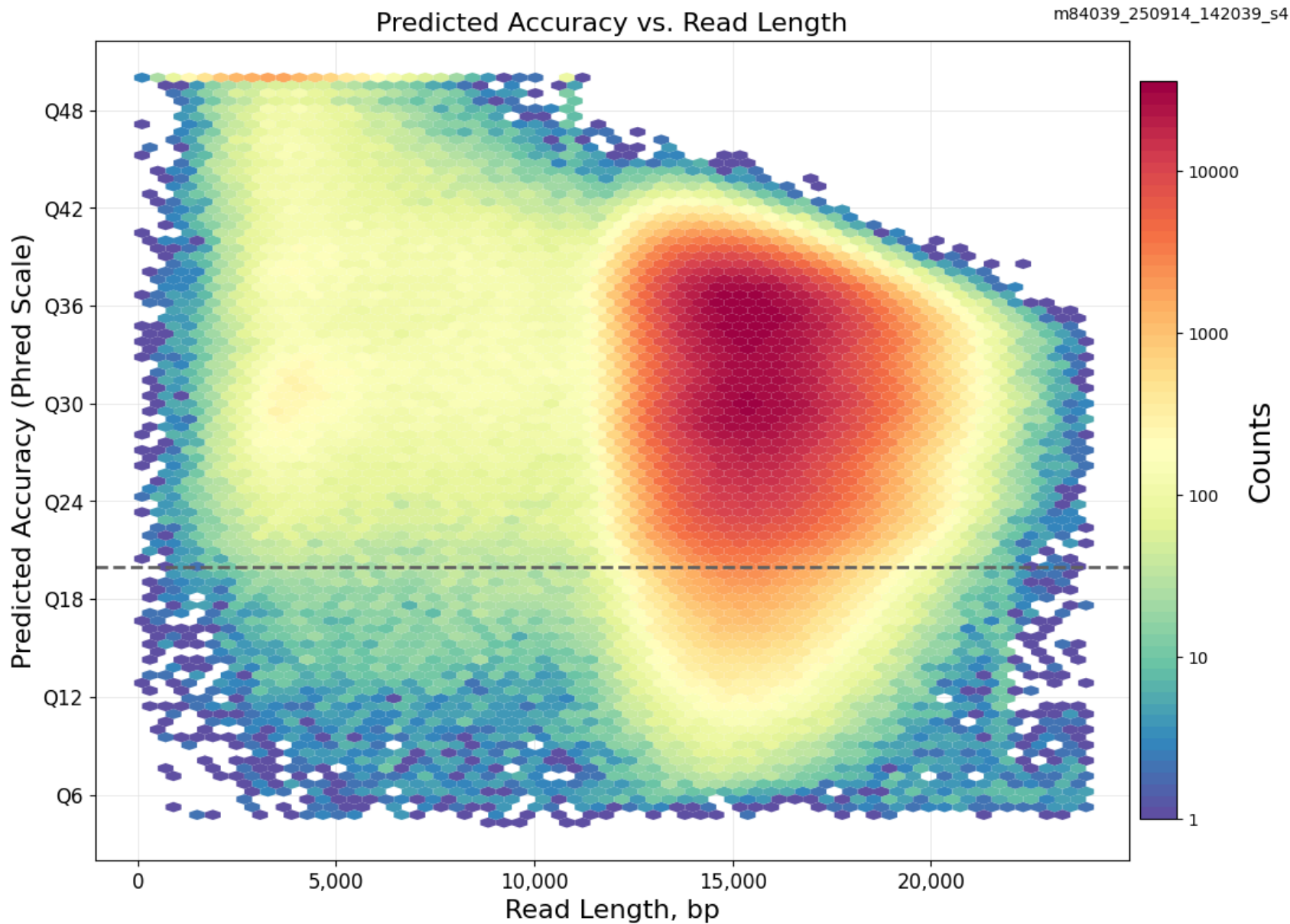
Number of Passes



Read Quality Distribution



Predicted Accuracy vs. Read Length

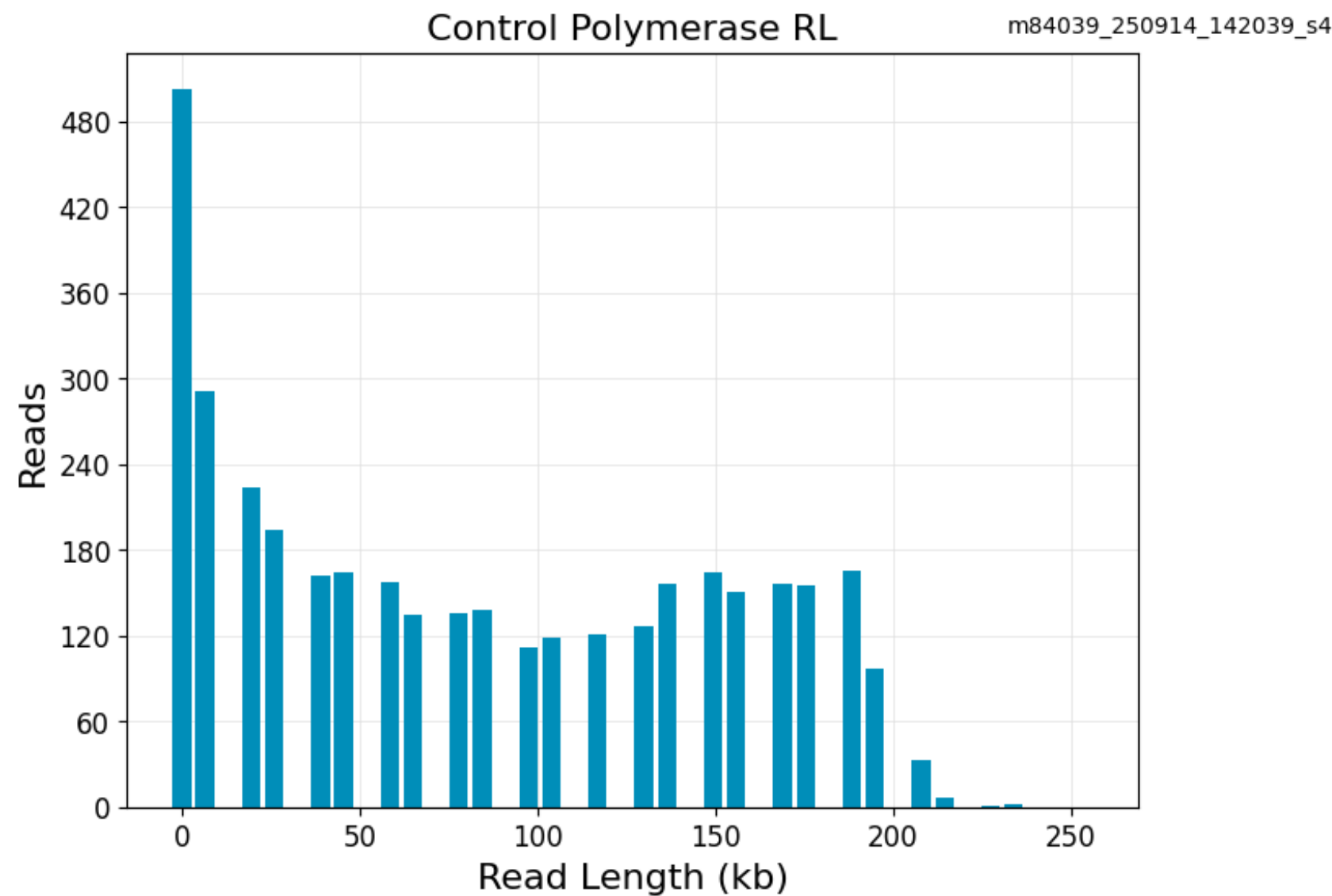


Control Report

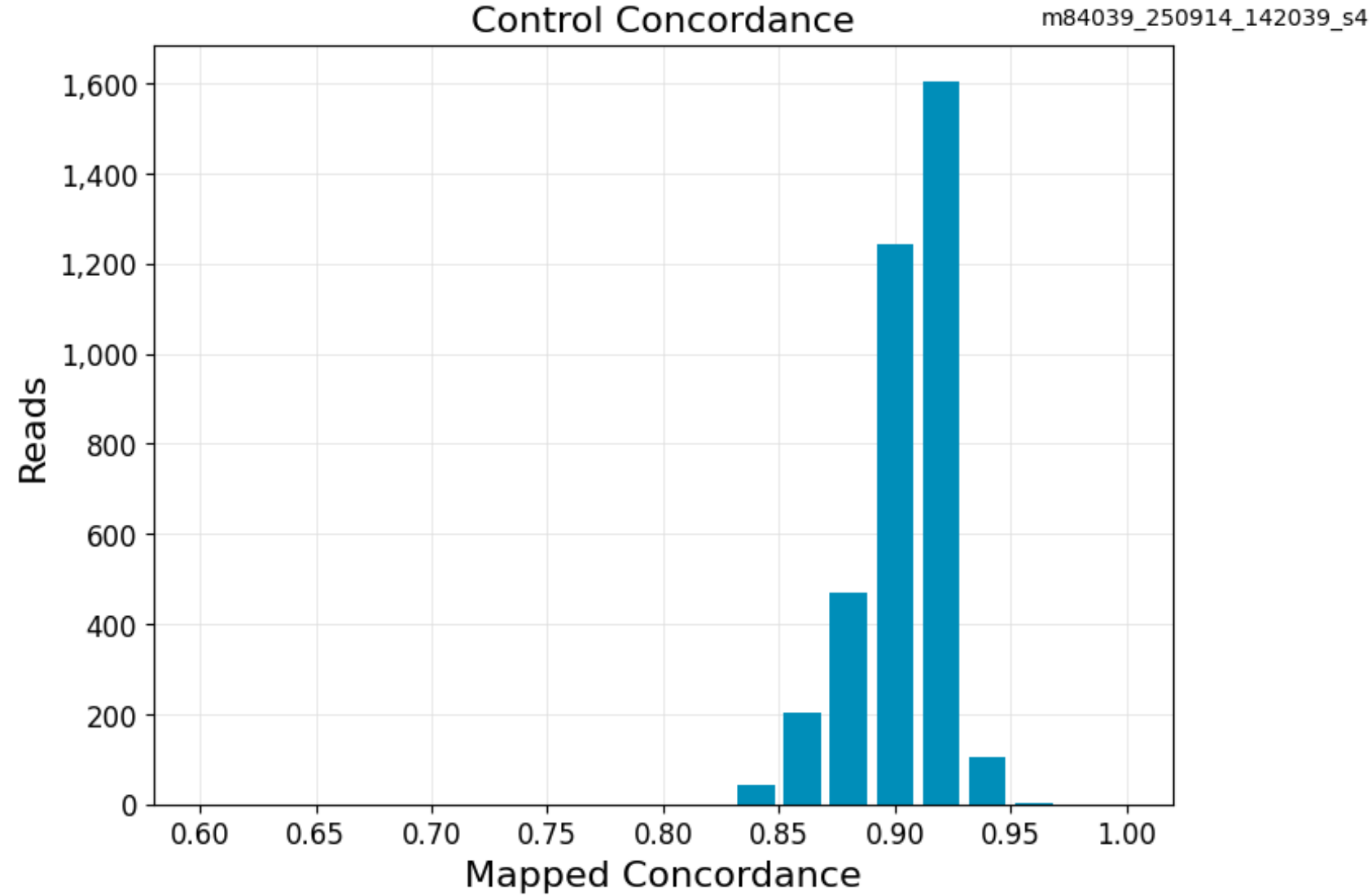
Summary

Number of Control Reads	3,670
Control Read Length Mean	84,952
Control Read Concordance Mean	0.91
Control Read Concordance Mode	0.93

Control Polymerase RL



Control Concordance



Loading Report

Summary

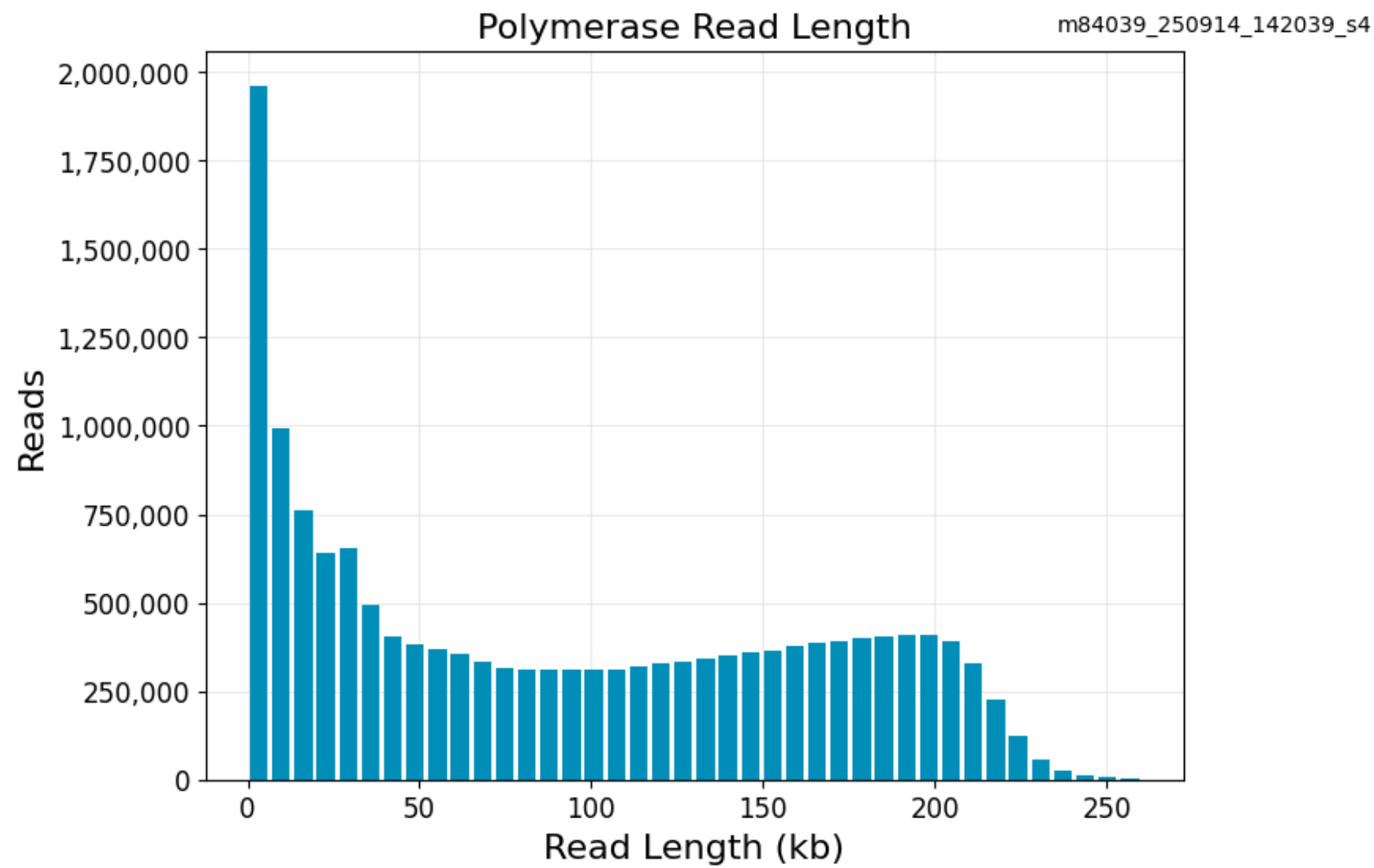
Productive ZMWs	25,165,824
Productivity 0	9,529,226
Productivity 1	15,567,847
Productivity 2	68,751

Raw Data Report

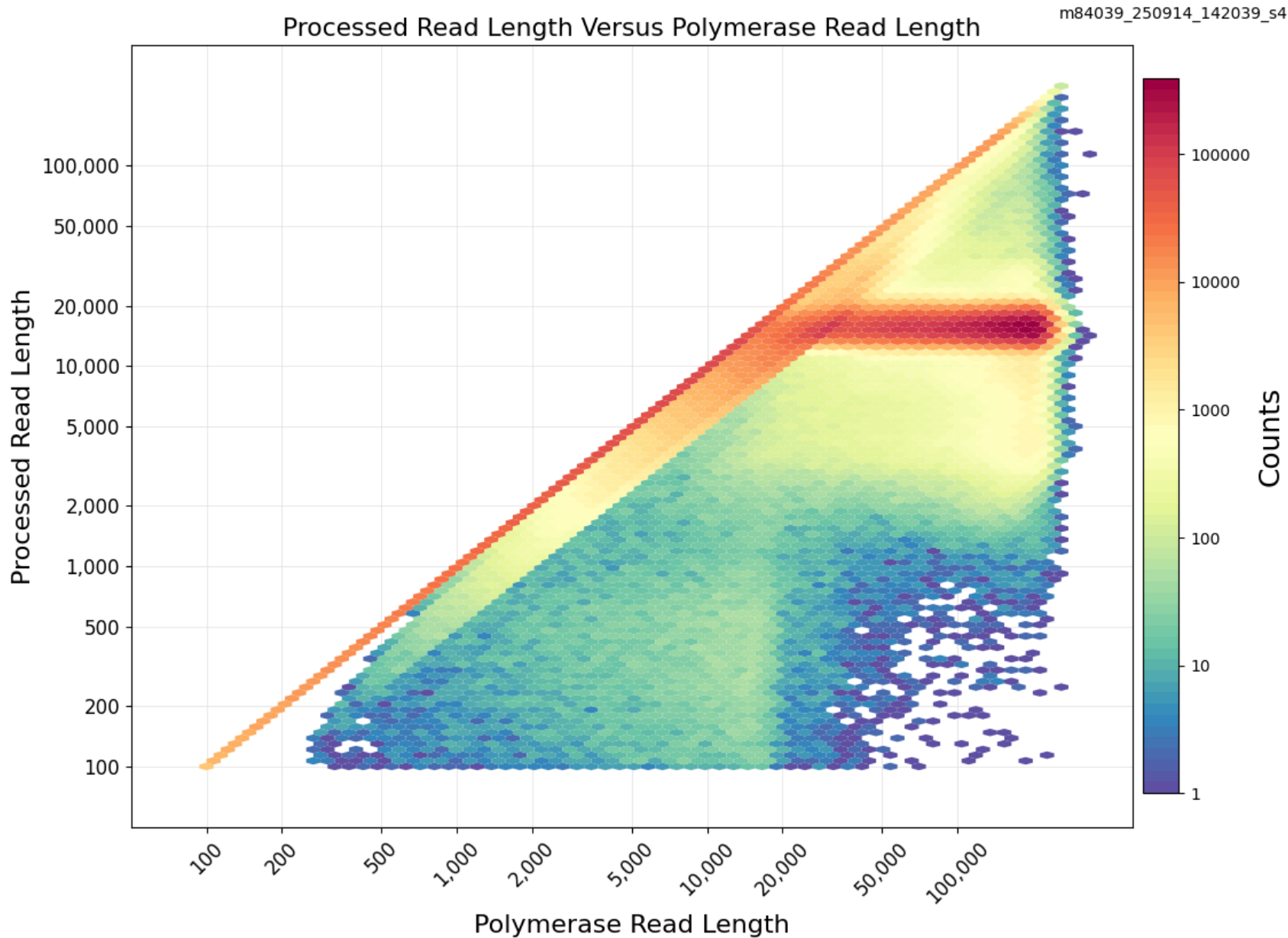
Summary

Polymerase Read Bases	1,376,469,354,779
Polymerase Reads	15,564,177
Polymerase Read Length (mean)	88.44 kb
Polymerase read length (N50)	160.25 kb
Polymerase read length longest subread length (mean)	15.96 kb
Polymerase read length longest subread length (N50)	16.75 kb
Unique Molecular Yield	237,642,039,296
Local Base Rate	2.61

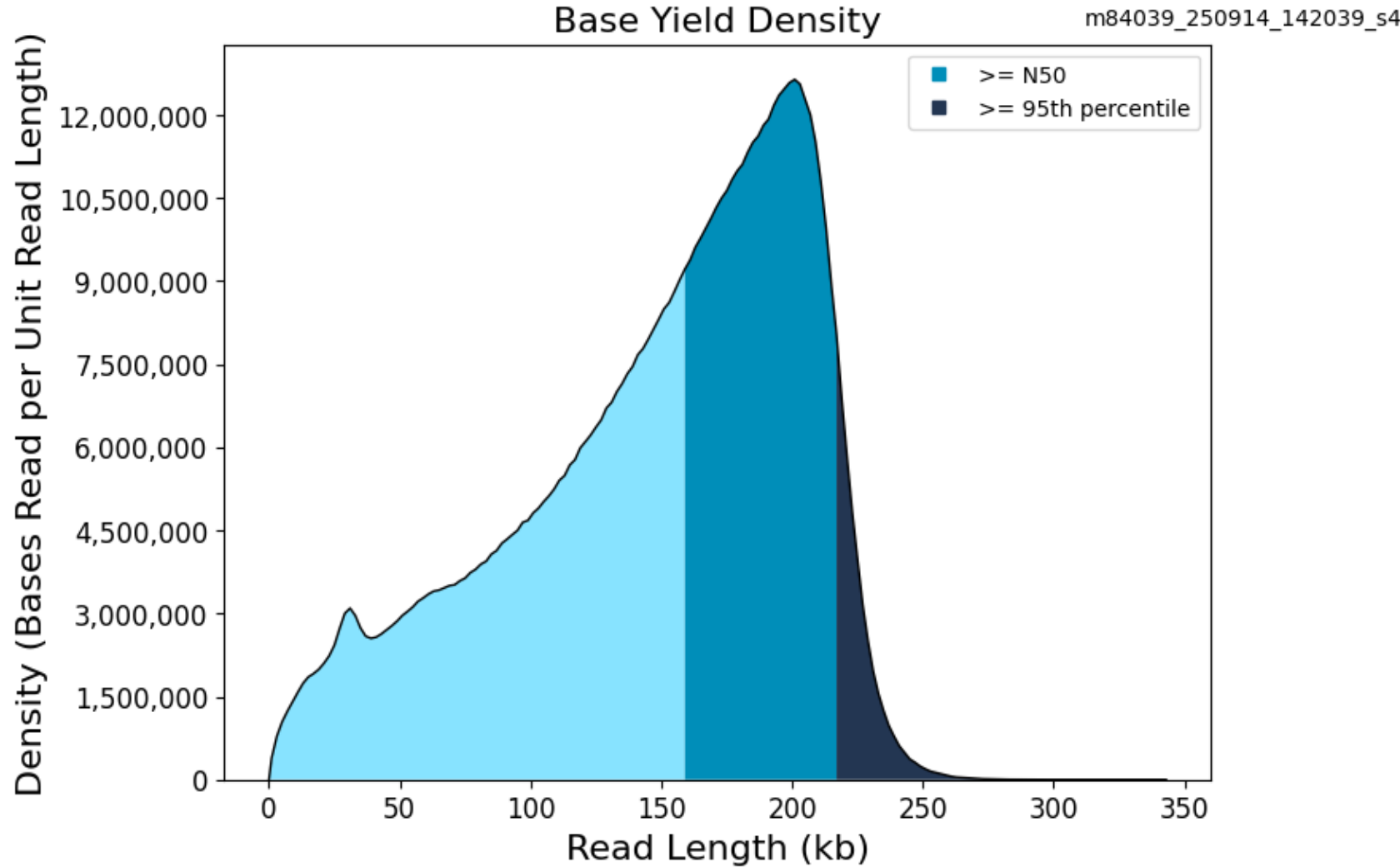
Polymerase Read Length



Longest Subread Length Versus Polymerase Read Length



Base Yield Density



Barcodes

Summary

Unique Barcodes	1
Barcoded HiFi Reads	8,258,305
Unbarcoded HiFi Reads	26,073
Barcoded HiFi Reads (%)	99.69 %
Barcoded HiFi yield (Gb)	127.87 Gb
Unbarcoded HiFi yield (Gb)	0.35 Gb
Barcoded HiFi Yield (%)	99.73 %
Mean HiFi Reads per Barcode	8,258,305
Max. HiFi Reads per Barcode	8,258,305
Min. HiFi Reads per Barcode	8,258,305
Barcoded HiFi read length (mean, kb)	15.48 kb
Unbarcoded HiFi read length (mean, kb)	13.26 kb

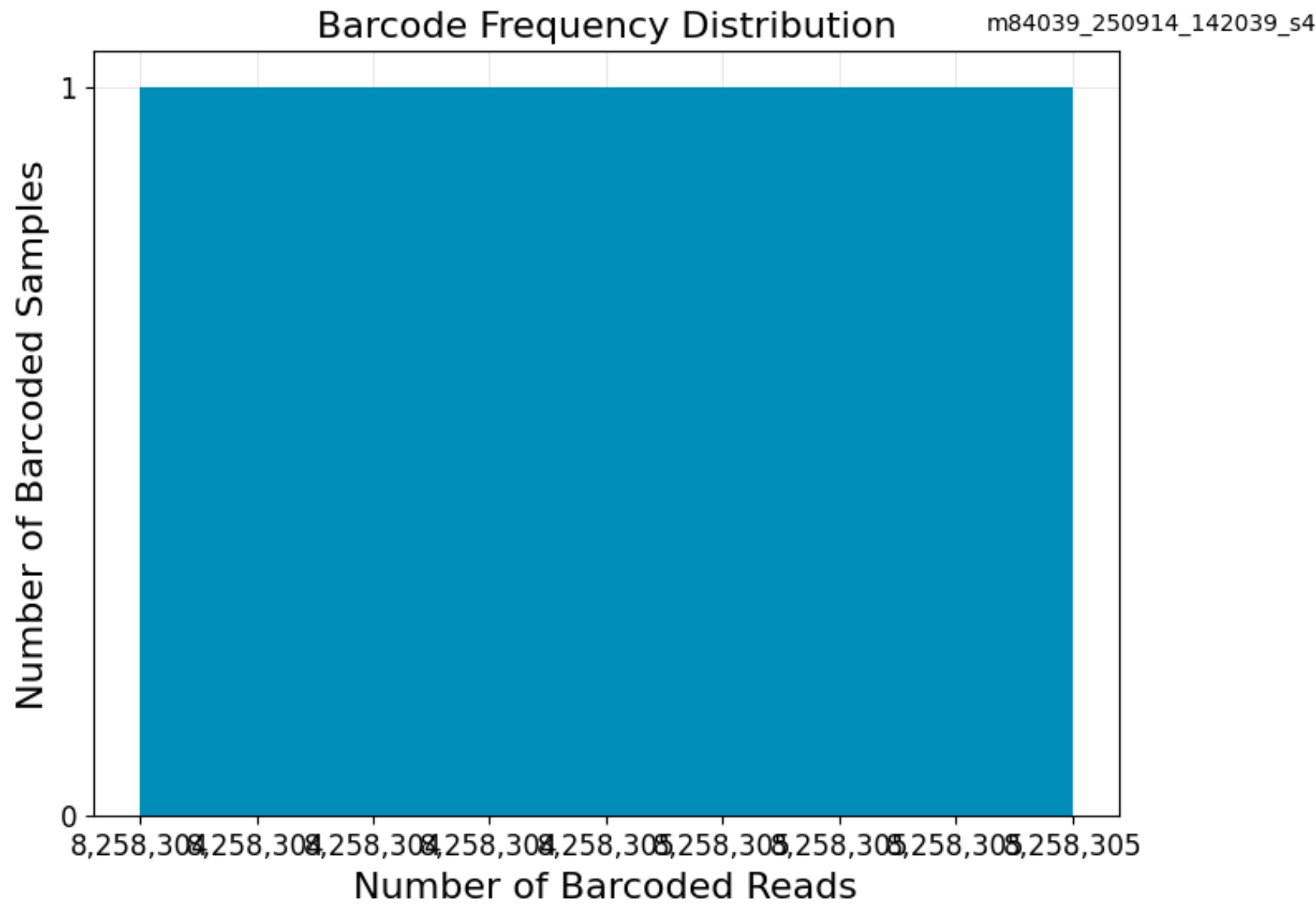
Barcode Data

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-6	bcM0002--bcM0002	97.0	8258305	15483	Q32	127866962272	146781
No Name	Not Barcoded	0.0	26073	13259	Q27	345725439	120684

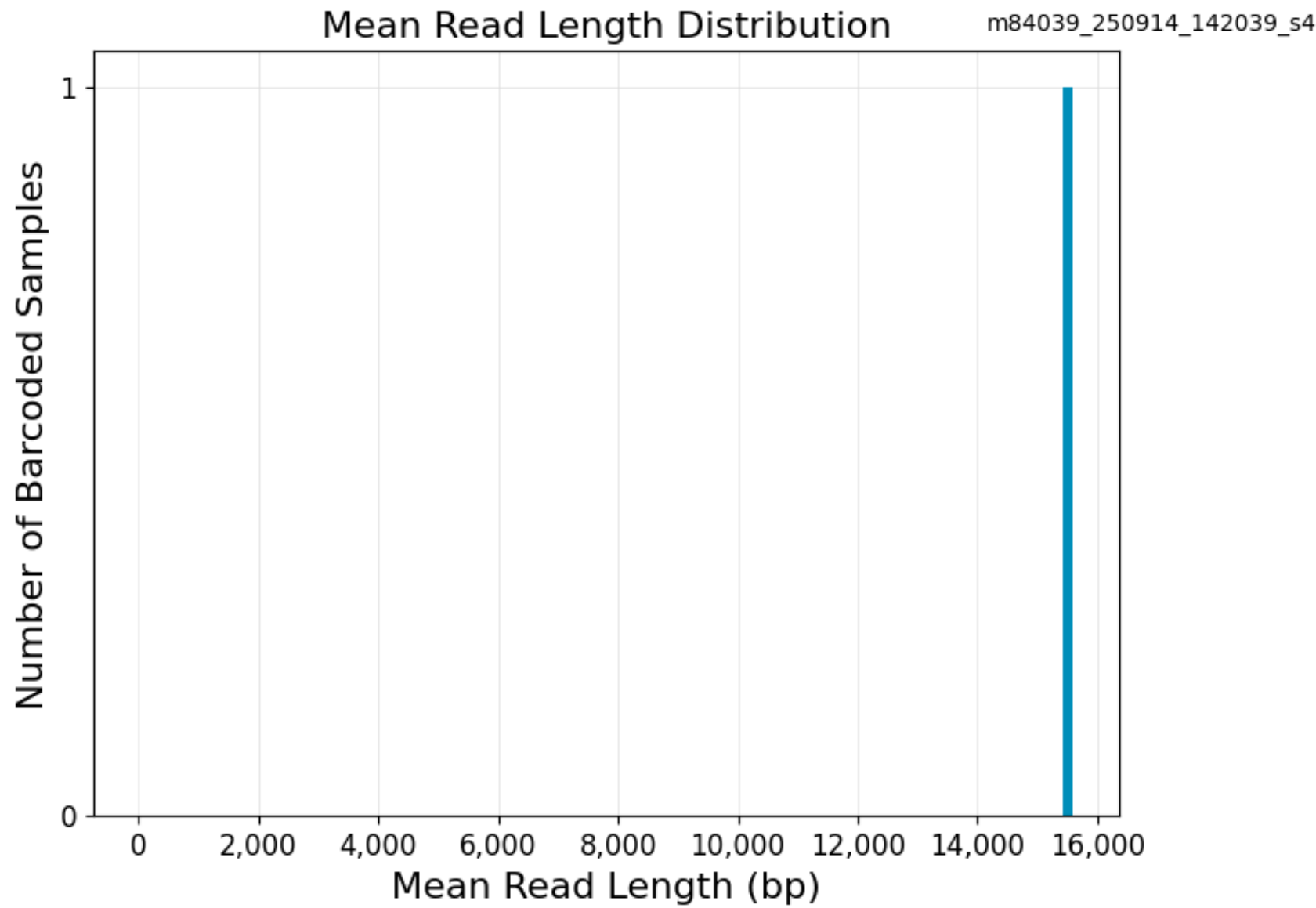
Number Of Reads Per Barcode



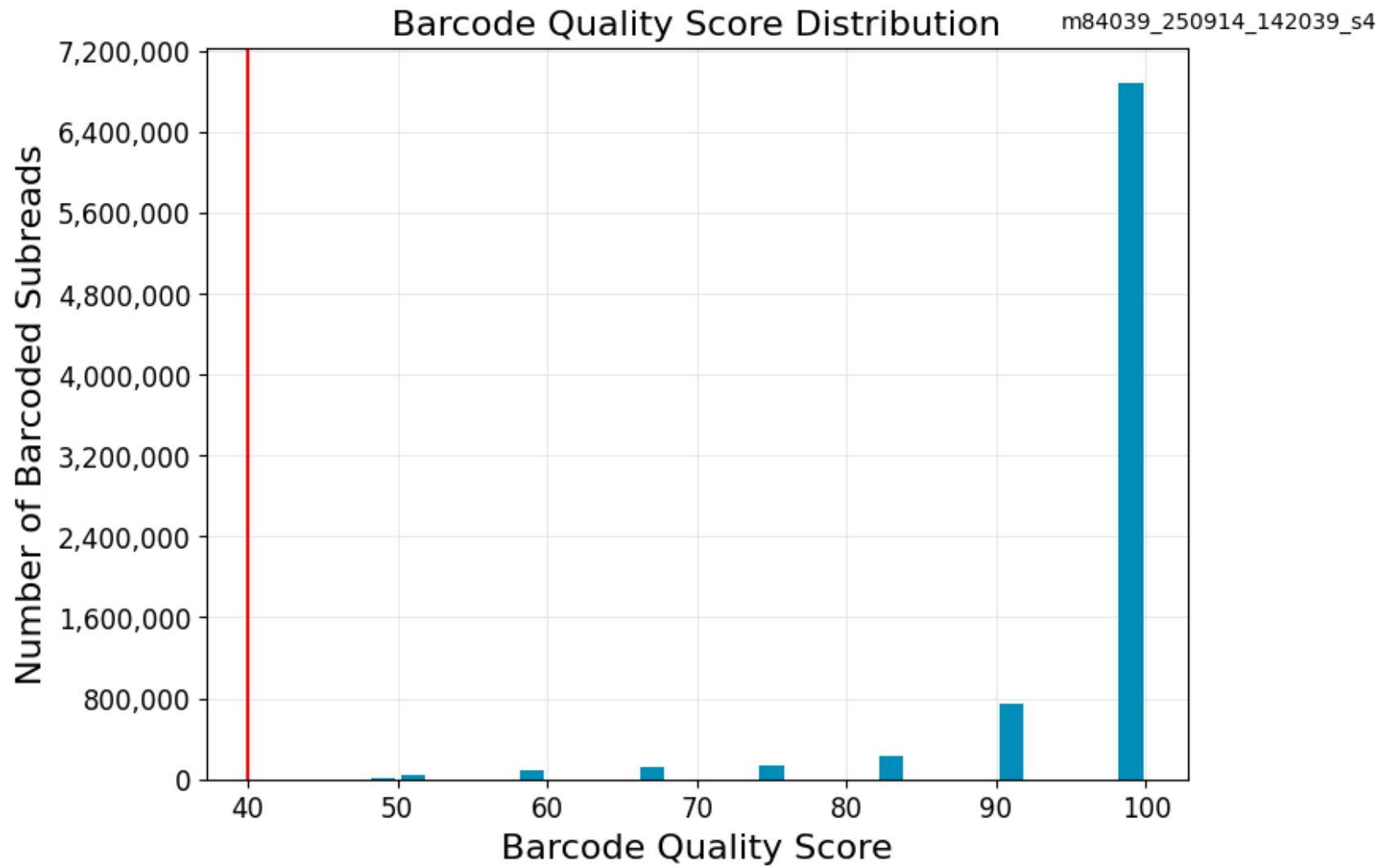
Barcode Frequency Distribution



Mean Read Length Distribution



Barcode Quality Score Distribution



Run Preview

Summary

Estimated HiFi Yield (Gb)	122,671,253,938
HiFi read quality, median	31
HiFi read length, mean	15,463
P1 (%)	None
Time (Hrs)	23
Workflow	Full
Movie Name	m84039_250914_142039_s4_full_preview_23hr
Movie Id	m84039_250914_142039_s4

Barcode preview

Barcode	HiFi reads	HiFi read length (mean, bp)
bcM0002--bcM0002	98.3%	15482
Not Barcoded	1.7%	13680

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 12252

Summary

Job Type	import-collection
Name	import-collection
Comments	Description for job Import Collection
Created At	2025-09-16 03:28:15.164
SMRT Link Version	25.3.0.273777

No child jobs found