

Report for dataset SNAM-3-Cell3 (all samples)

Dataset 09517806-b850-4cd6-84aa-60dbb09ebe44

Summary

Name	SNAM-3-Cell3 (all samples)
Created At	2025-09-15 06:15:30.660
Number of Records	7,933,609
Total Length	126,265,980,387
Movie Name	m84039_250913_142813_s1
ICS Version	13.3.0.253824
Well Sample	SNAM-3
Biological Sample	SNAM-3
Barcode Name	bcM0003--bcM0003

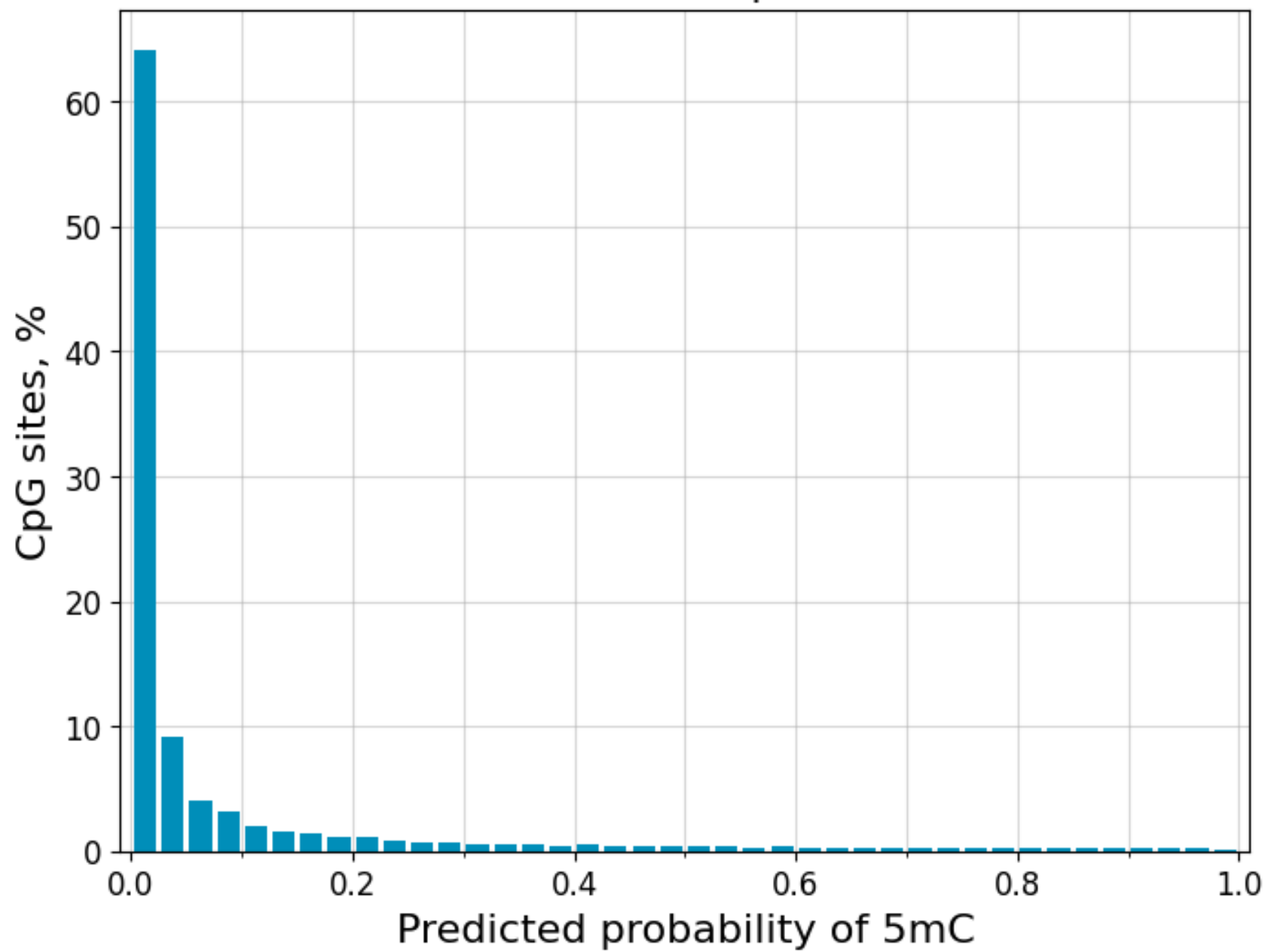
Methylation

Summary

Modification	Motif	Scored sites	Modified sites (Pr > 0.5)
5mC	CpG	98.5%	4.9%
6mA	A	0.6%	0.6%

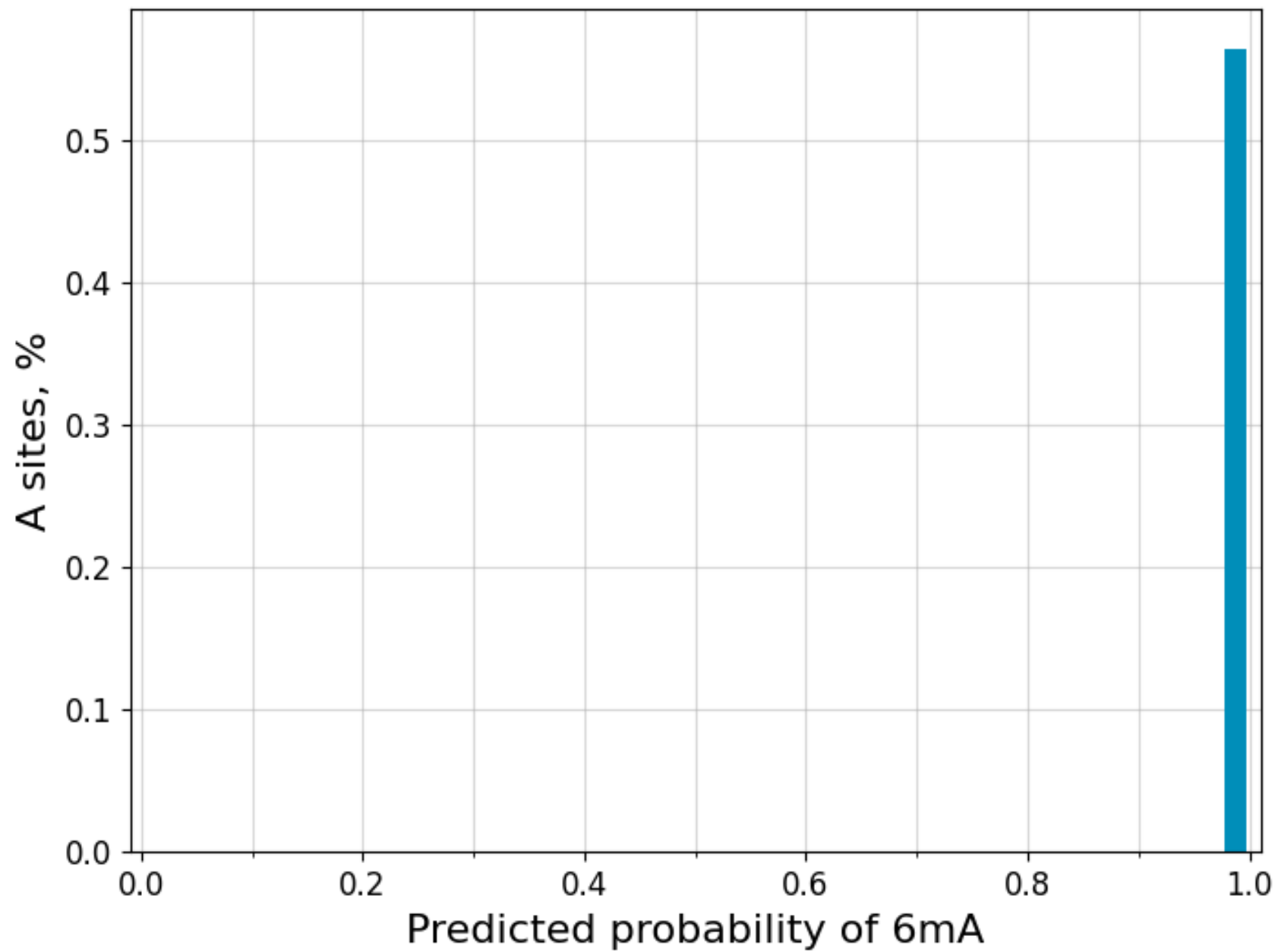
5mC methylation at CpG in reads

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	15,443
P1 (%)	54.50 %
Time (Hrs)	4
Workflow	Basic
Movie Name	m84039_250913_142813_s1_basic_preview_4hr
Movie Id	m84039_250913_142813_s1

Barcode preview

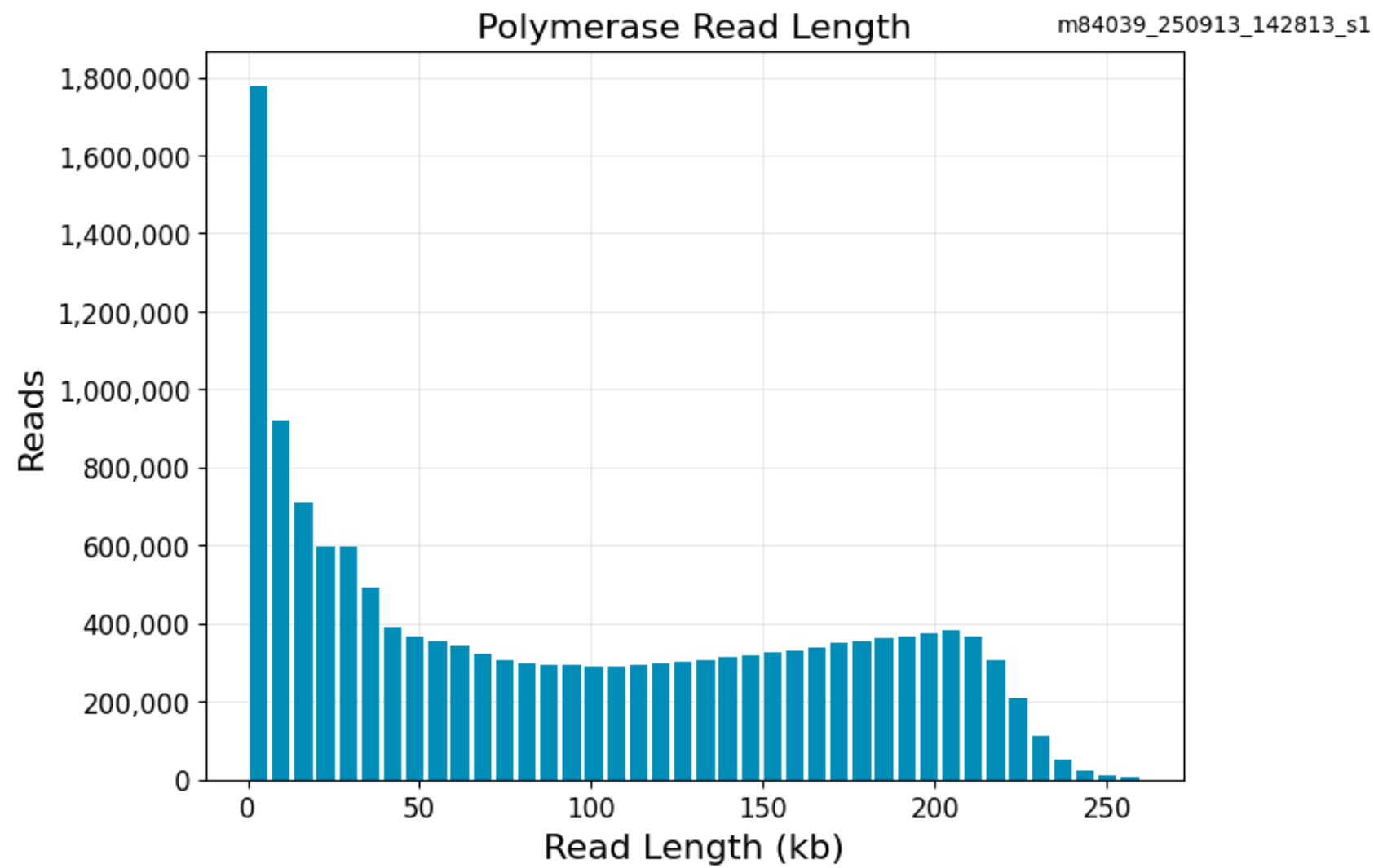
Barcode	HiFi reads	HiFi read length (mean, bp)
bcM0001--bcM0001	1.8%	14768
bcM0003--bcM0003	93.5%	15506
Other	0.3%	10380
Not Barcoded	4.4%	14415

Raw Data Report

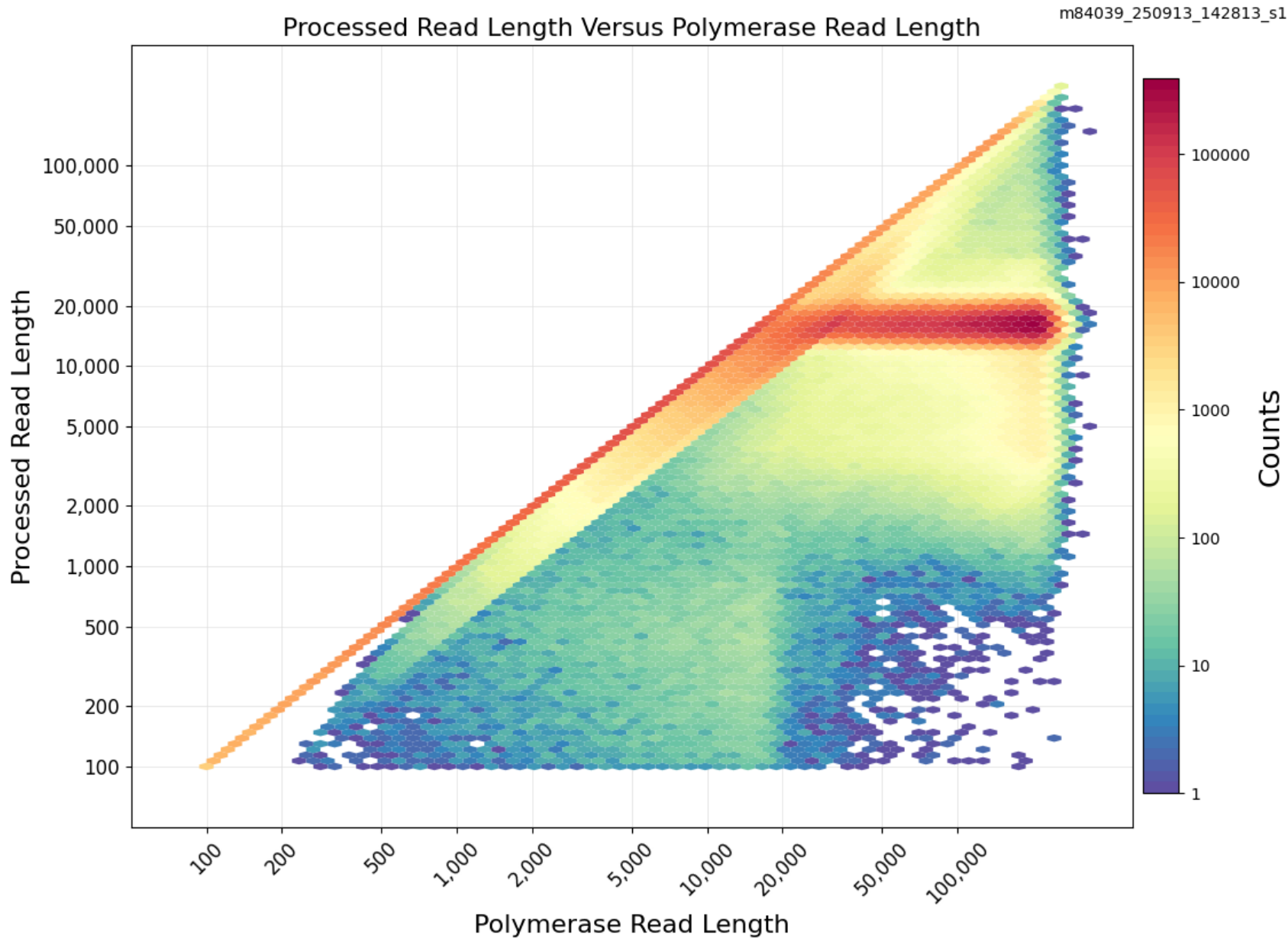
Summary

Polymerase Read Bases	1,346,905,214,447
Polymerase Reads	14,749,016
Polymerase Read Length (mean)	91.32 kb
Polymerase read length (N50)	164.75 kb
Polymerase read length longest subread length (mean)	16.09 kb
Polymerase read length longest subread length (N50)	17.25 kb
Unique Molecular Yield	227,123,232,768
Local Base Rate	2.69

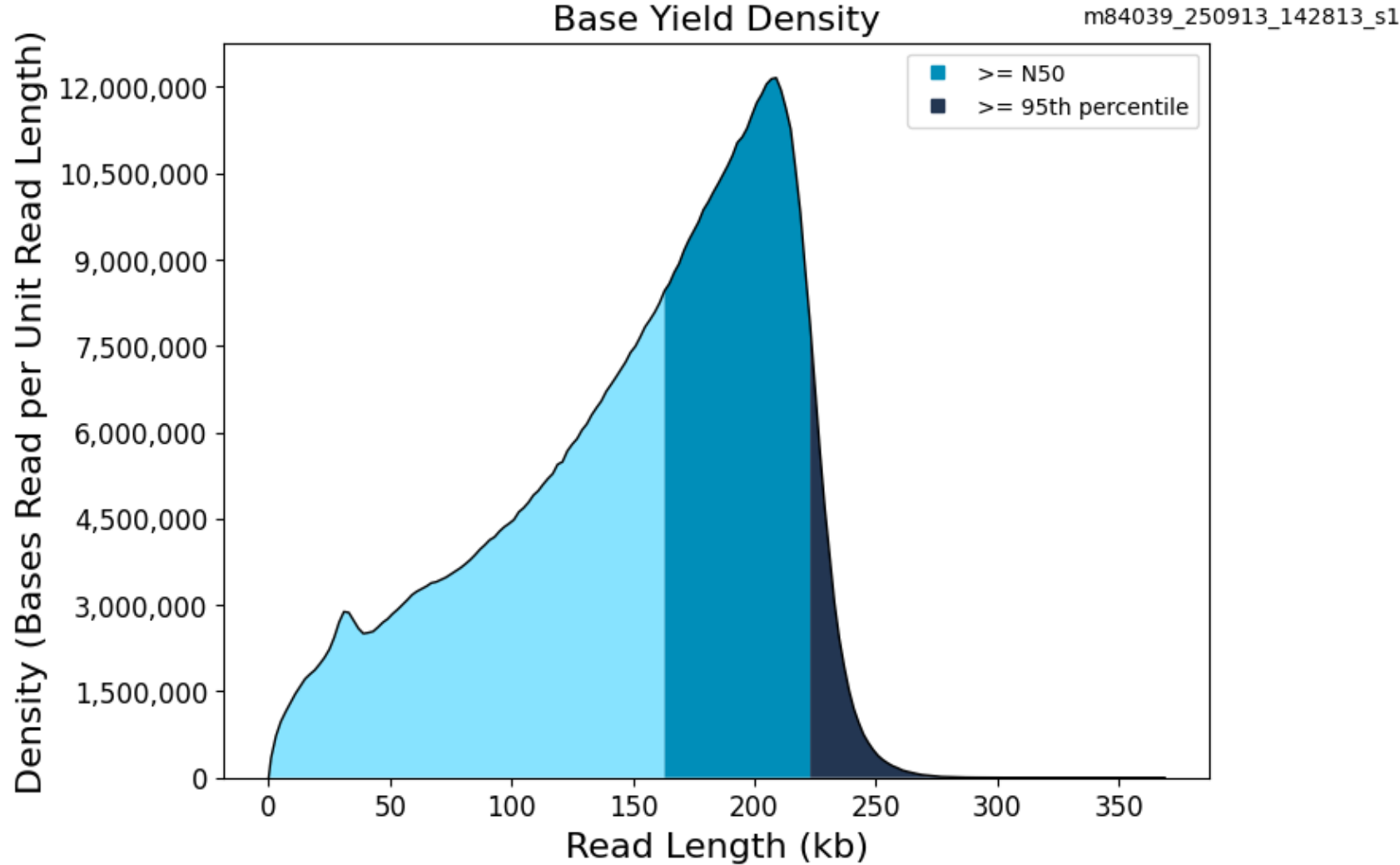
Polymerase Read Length



Longest Subread Length Versus Polymerase Read Length



Base Yield Density



CCS Analysis Report

Summary

HiFi reads	7.9 M
HiFi reads yield	126.44 Gb
HiFi reads length (mean)	15.91 kb
HiFi reads length (median, bp)	15,997
HiFi Read Length N50 (bp)	16,177
HiFi Read Quality (median)	Q32
HiFi Read Quality (median)	32
Base Quality Q30 (%)	95.30%
HiFi Number of Passes (mean)	9
Missing adapters (%)	2.67%

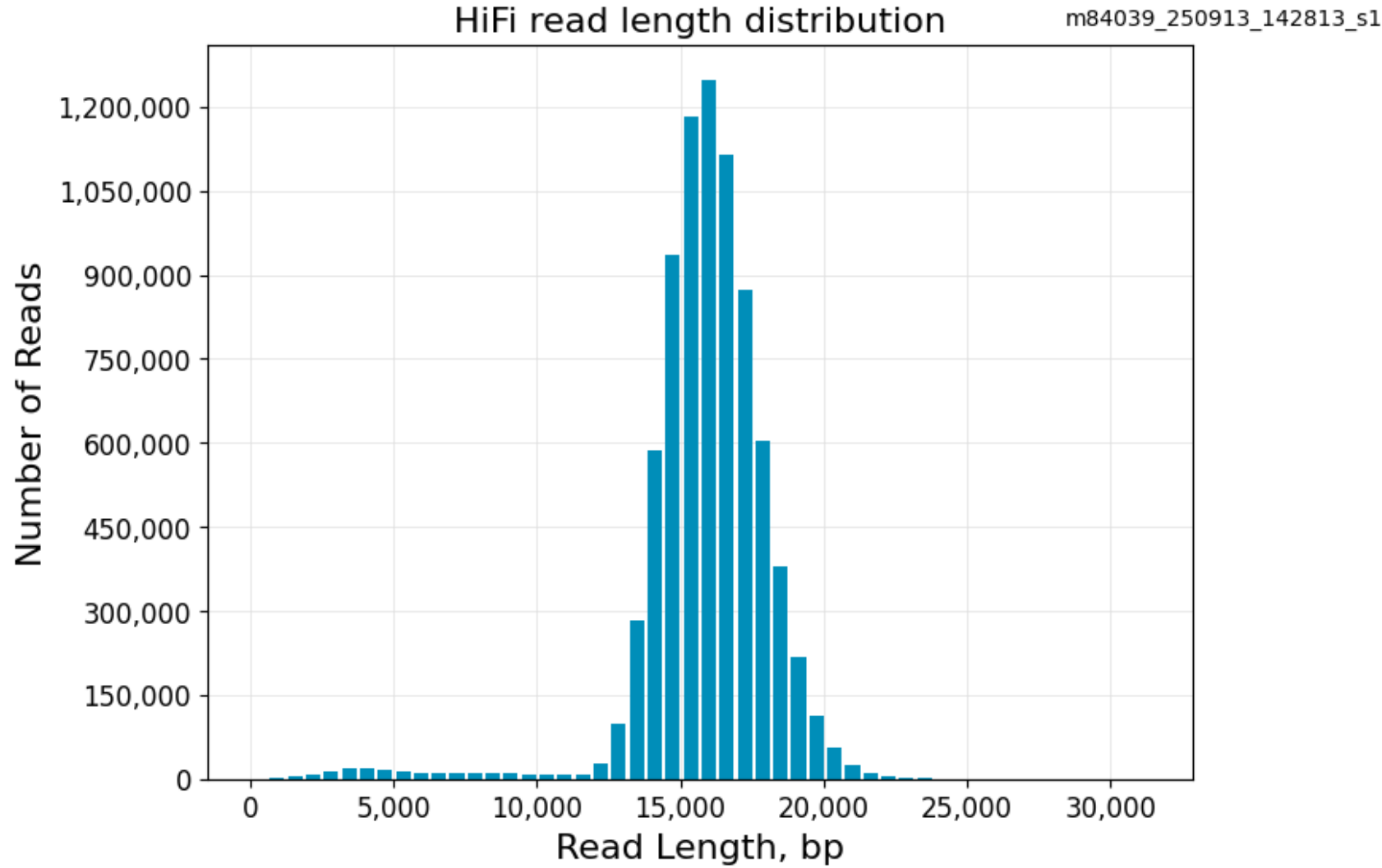
HiFi Read Length Summary

Read Length (kb)	Reads	Reads (%)	Yield (Gb)	Yield (%)
0	7947461	100	126.44 Gb	100
5,000	7866242	99	126.16 Gb	100
10,000	7785038	98	125.57 Gb	99
15,000	5891696	74	98.72 Gb	78
20,000	103605	1	2.15 Gb	2
25,000	296	0	0.01 Gb	0
30,000	75	0	0.00 Gb	0
35,000	7	0	0.00 Gb	0
40,000	2	0	0.00 Gb	0

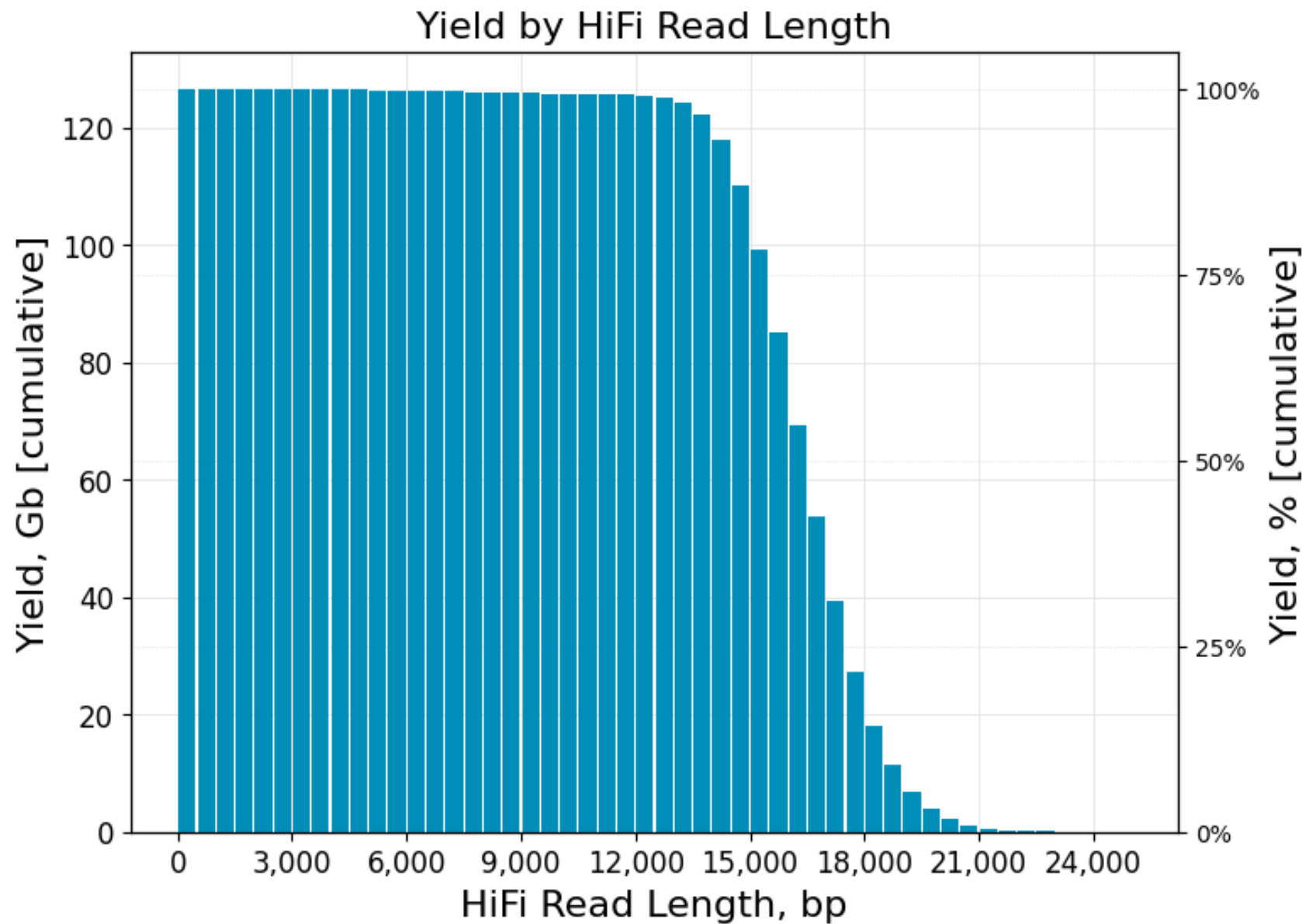
HiFi Read Quality Summary

Read Quality (Phred)	Reads	Reads (%)	Yield (Gb)	Yield (%)
Q20	7947461	100	126.44 Gb	100
Q30	5087061	64	80.55 Gb	64
Q40	106630	1	1.01 Gb	1
Q50	18515	0	0.06 Gb	0

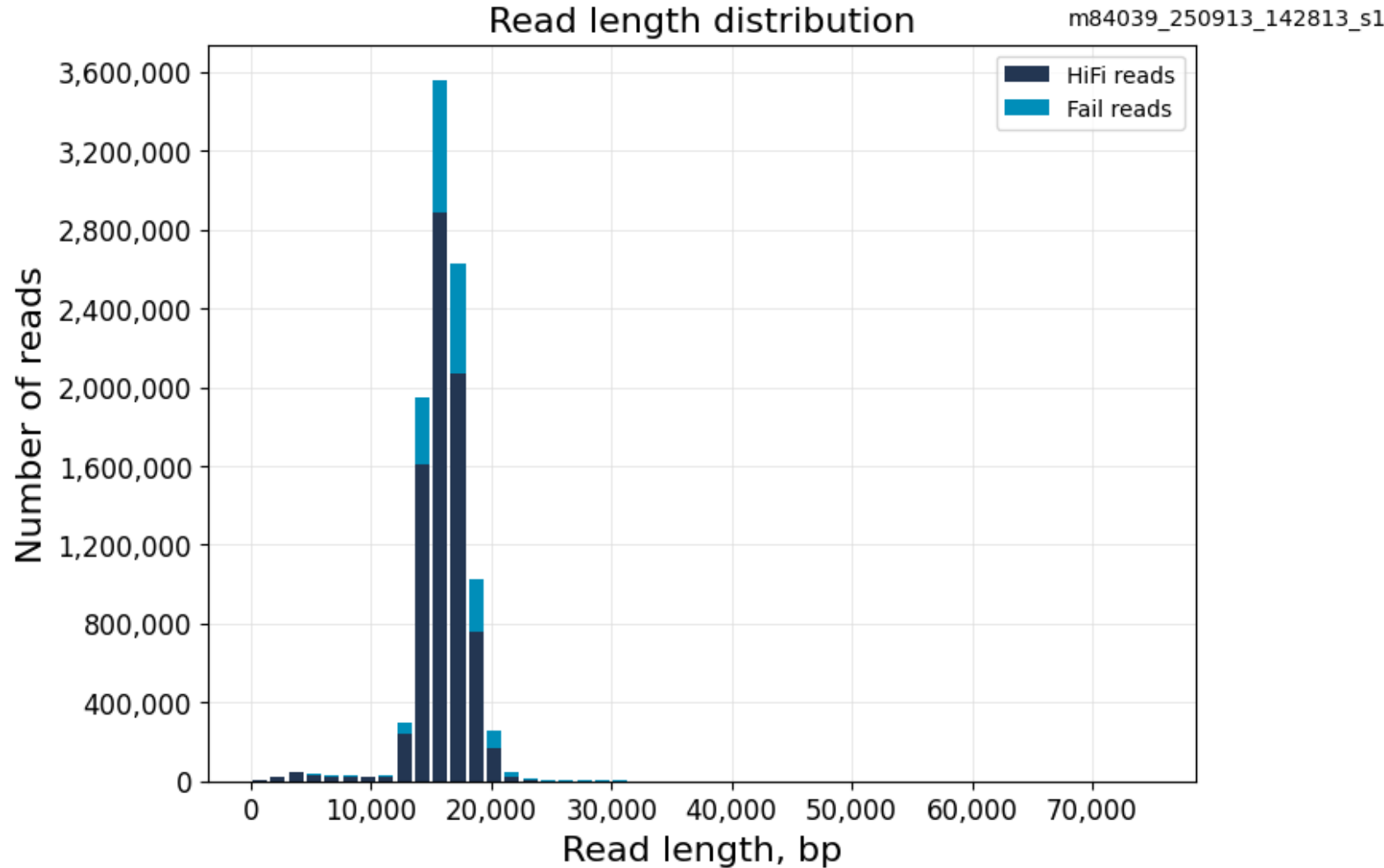
HiFi read length distribution



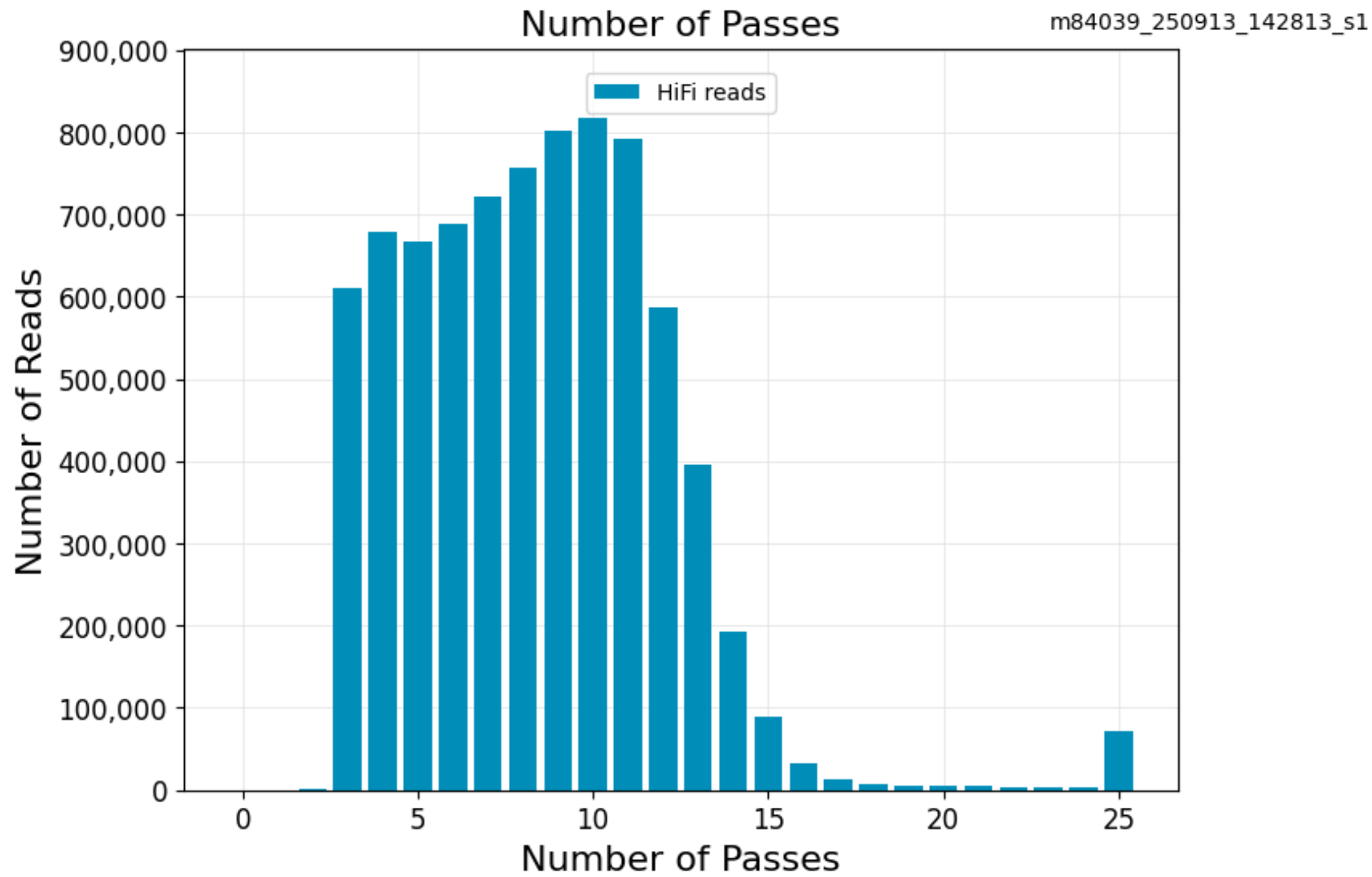
Yield by HiFi Read Length



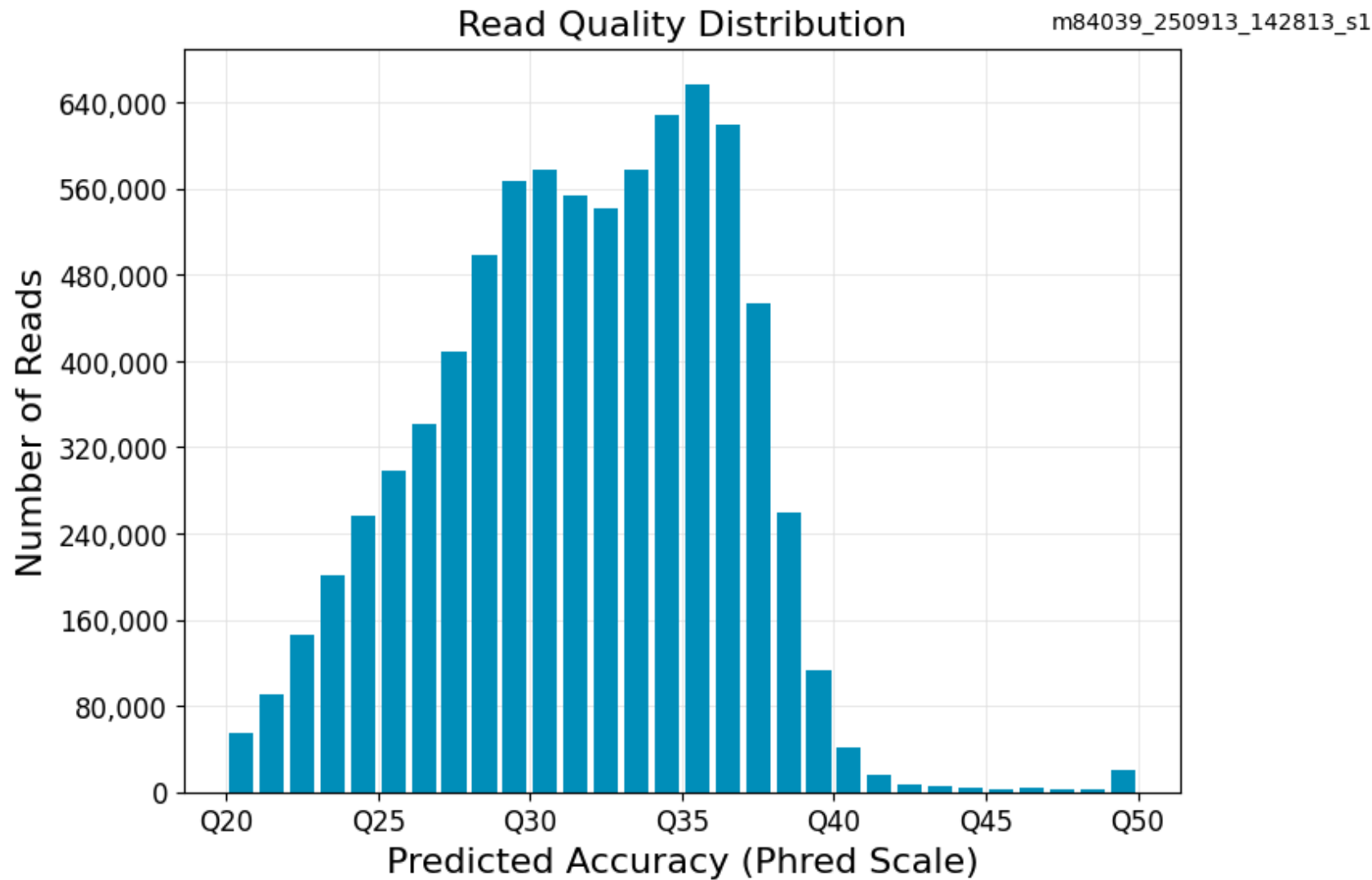
Read length distribution



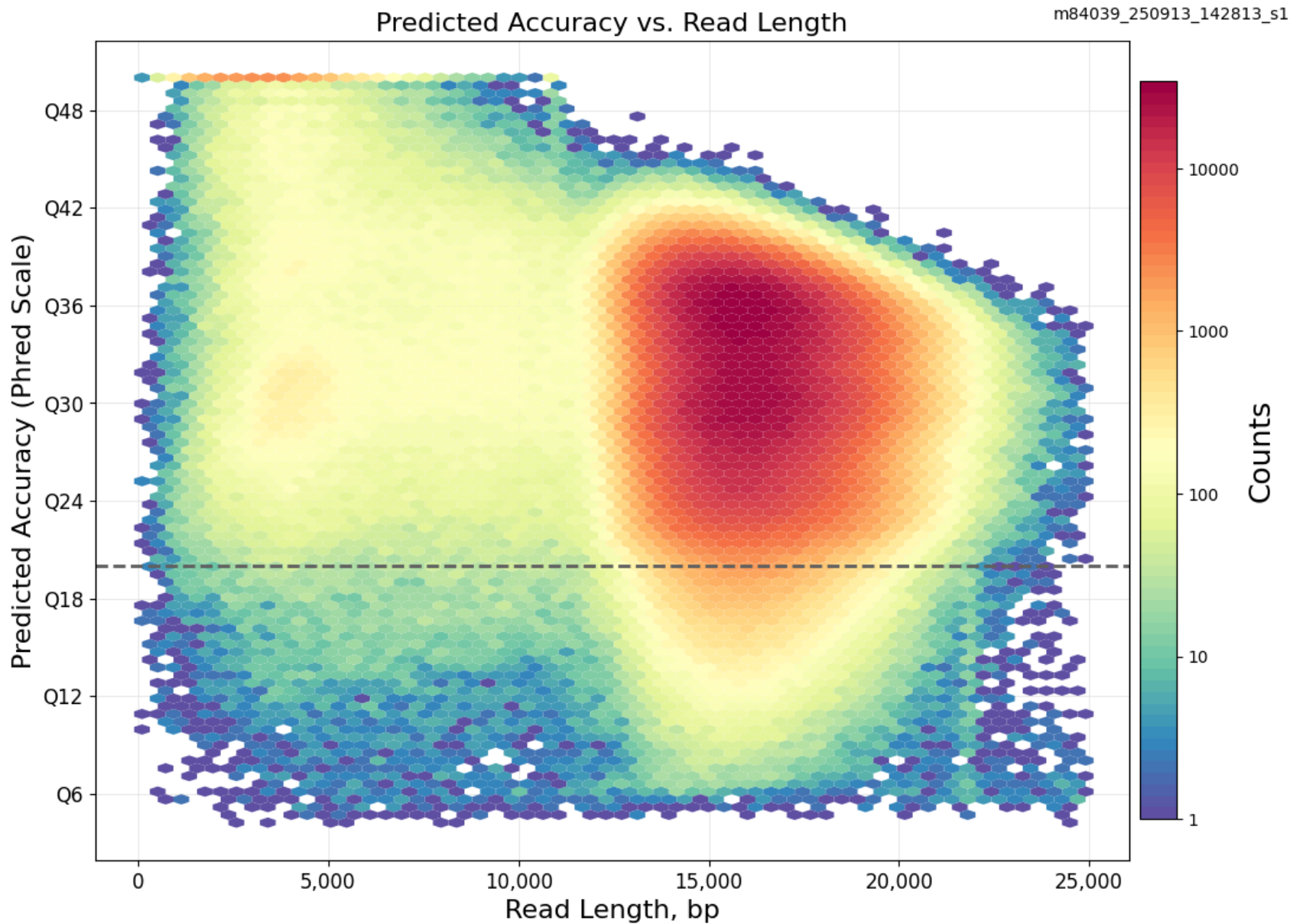
Number of Passes



Read Quality Distribution



Predicted Accuracy vs. Read Length



Run Preview

Summary

Estimated HiFi Yield (Gb)	117,822,638,514
HiFi read quality, median	31
HiFi read length, mean	15,892
P1 (%)	None
Time (Hrs)	23
Workflow	Full
Movie Name	m84039_250913_142813_s1_full_preview_23hr
Movie Id	m84039_250913_142813_s1

Barcode preview

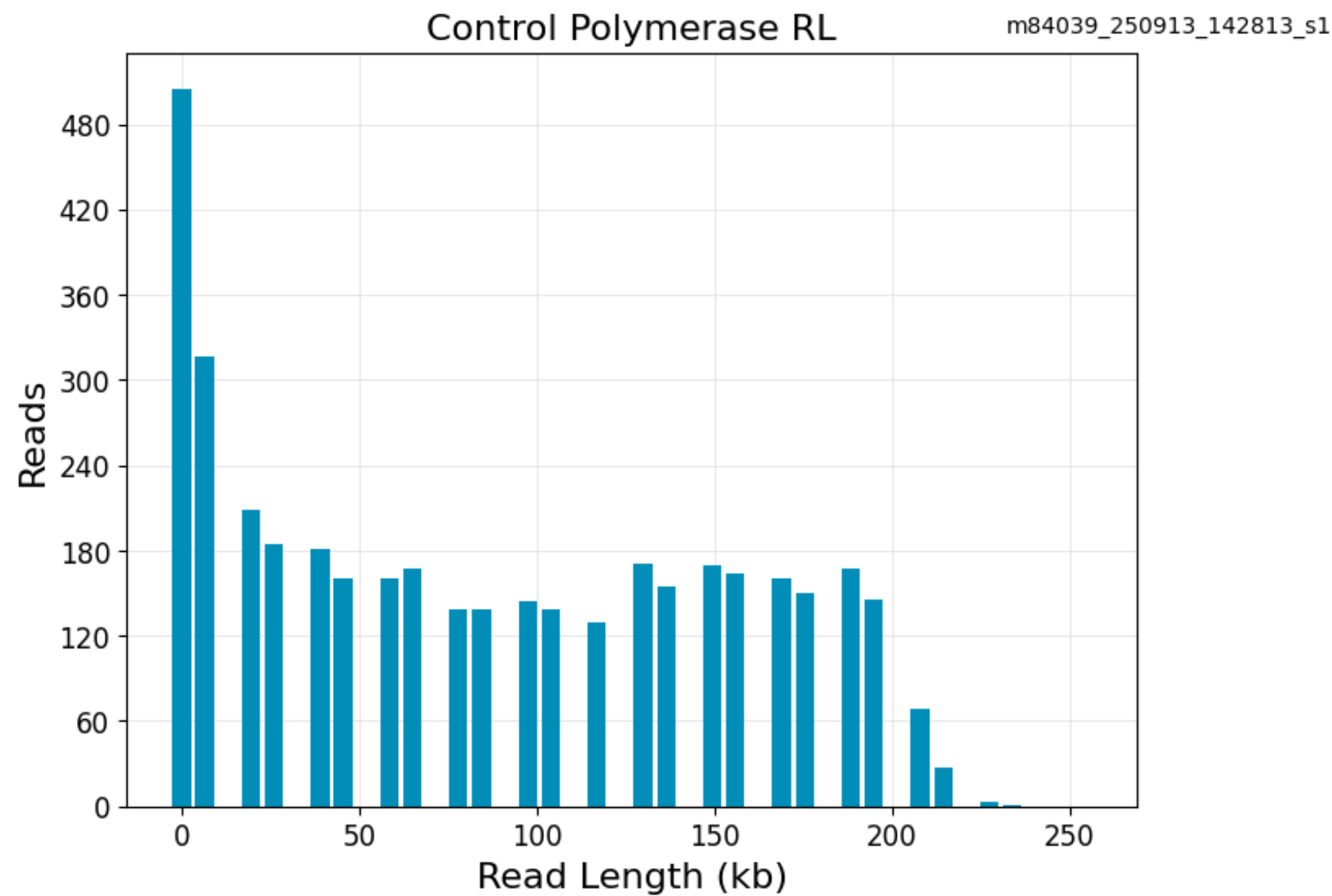
Barcode	HiFi reads	HiFi read length (mean, bp)
bcM0003--bcM0003	98.7%	15898
Not Barcoded	1.3%	14435

Control Report

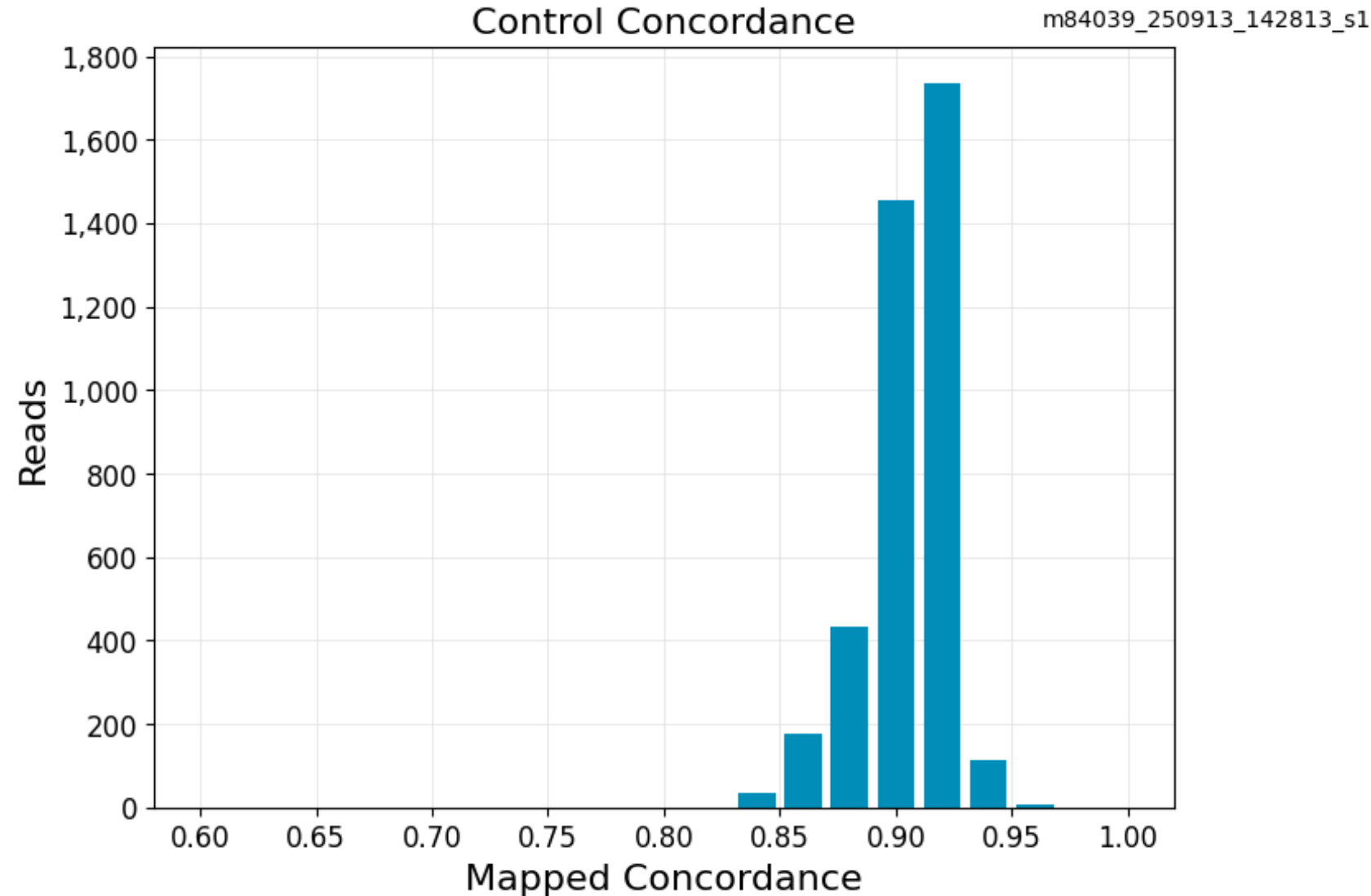
Summary

Number of Control Reads	3,956
Control Read Length Mean	88,961
Control Read Concordance Mean	0.92
Control Read Concordance Mode	0.93

Control Polymerase RL



Control Concordance



Loading Report

Summary

Productive ZMWs	25,165,824
Productivity 0	10,350,626
Productivity 1	14,752,972
Productivity 2	62,226

Barcodes

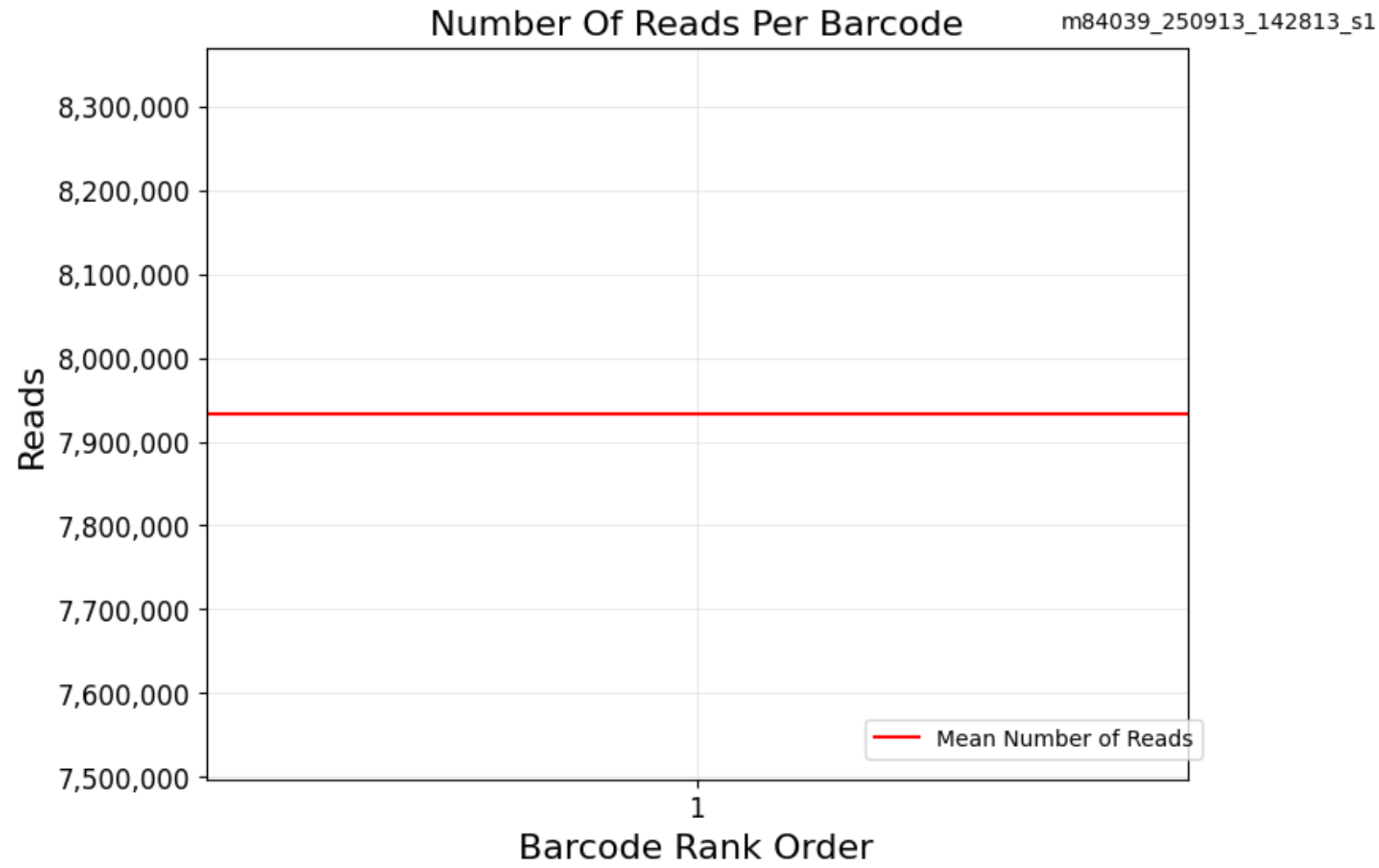
Summary

Unique Barcodes	1
Barcoded HiFi Reads	7,933,609
Unbarcoded HiFi Reads	13,852
Barcoded HiFi Reads (%)	99.83 %
Barcoded HiFi yield (Gb)	126.27 Gb
Unbarcoded HiFi yield (Gb)	0.18 Gb
Barcoded HiFi Yield (%)	99.86 %
Mean HiFi Reads per Barcode	7,933,609
Max. HiFi Reads per Barcode	7,933,609
Min. HiFi Reads per Barcode	7,933,609
Barcoded HiFi read length (mean, kb)	15.92 kb
Unbarcoded HiFi read length (mean, kb)	12.73 kb

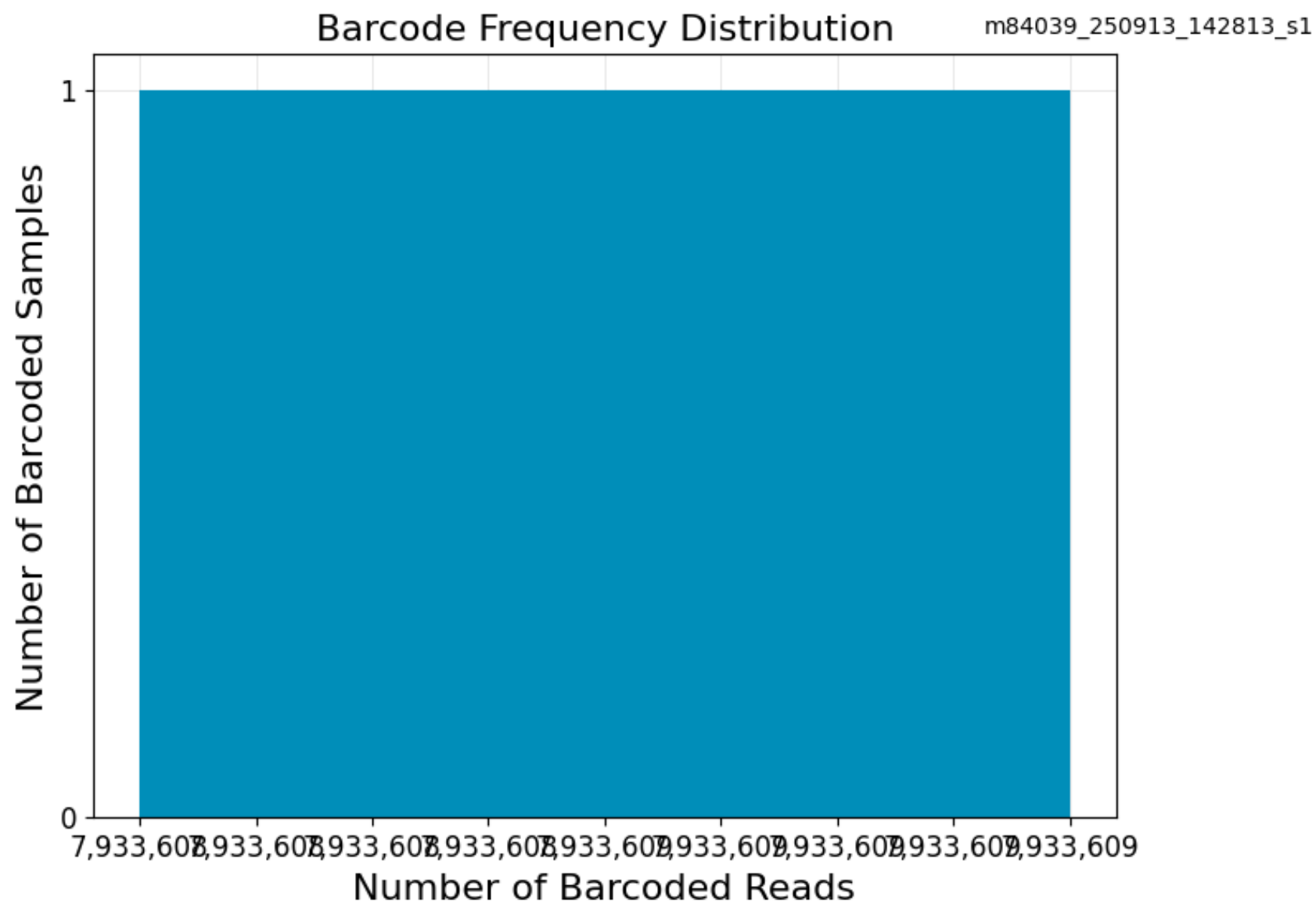
Barcode Data

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-3	bcM0003--bcM0003	97.4	7933609	15915	Q32	126265980387	149755
No Name	Not Barcoded	0.0	13852	12732	Q27	176366017	119876

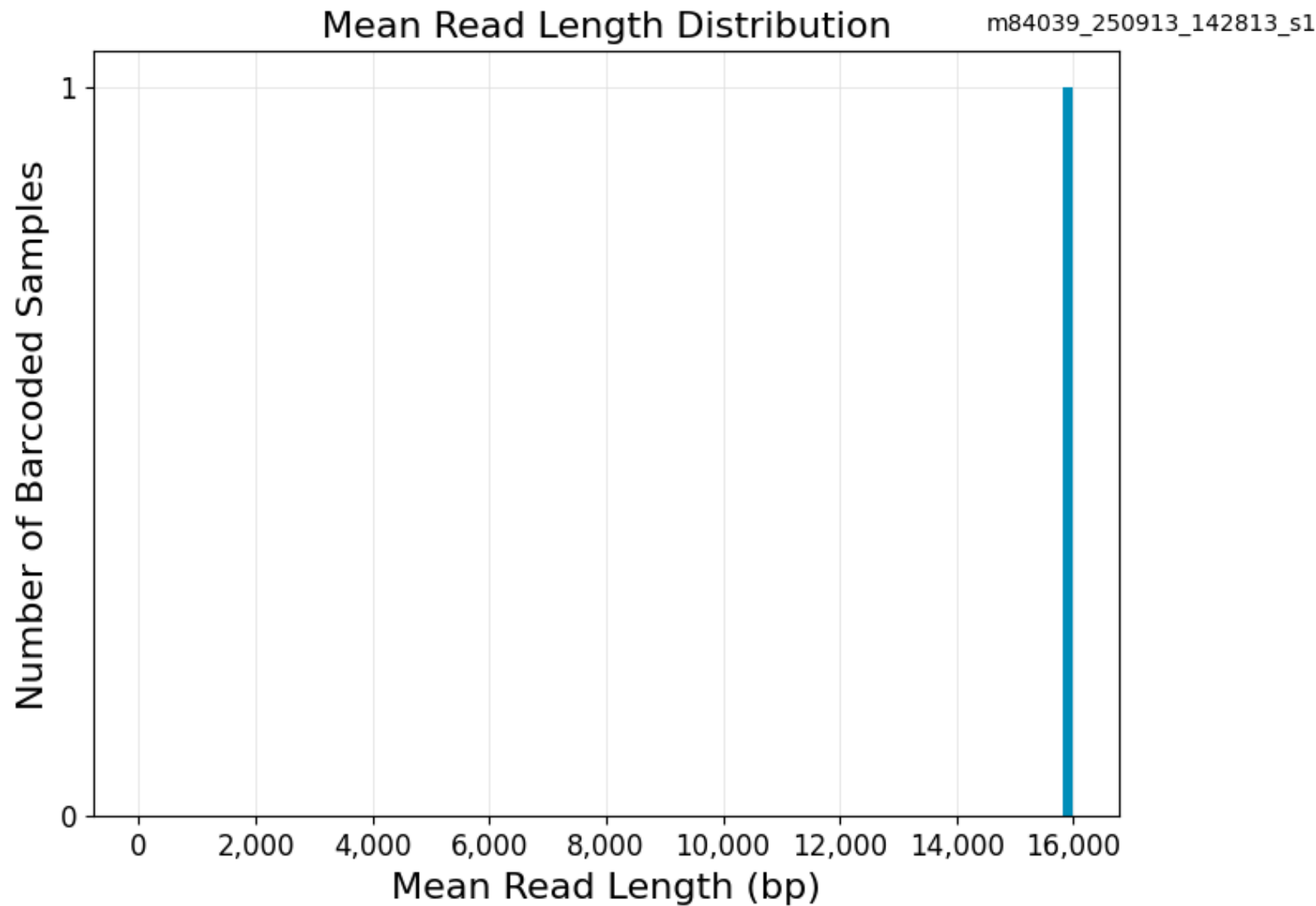
Number Of Reads Per Barcode



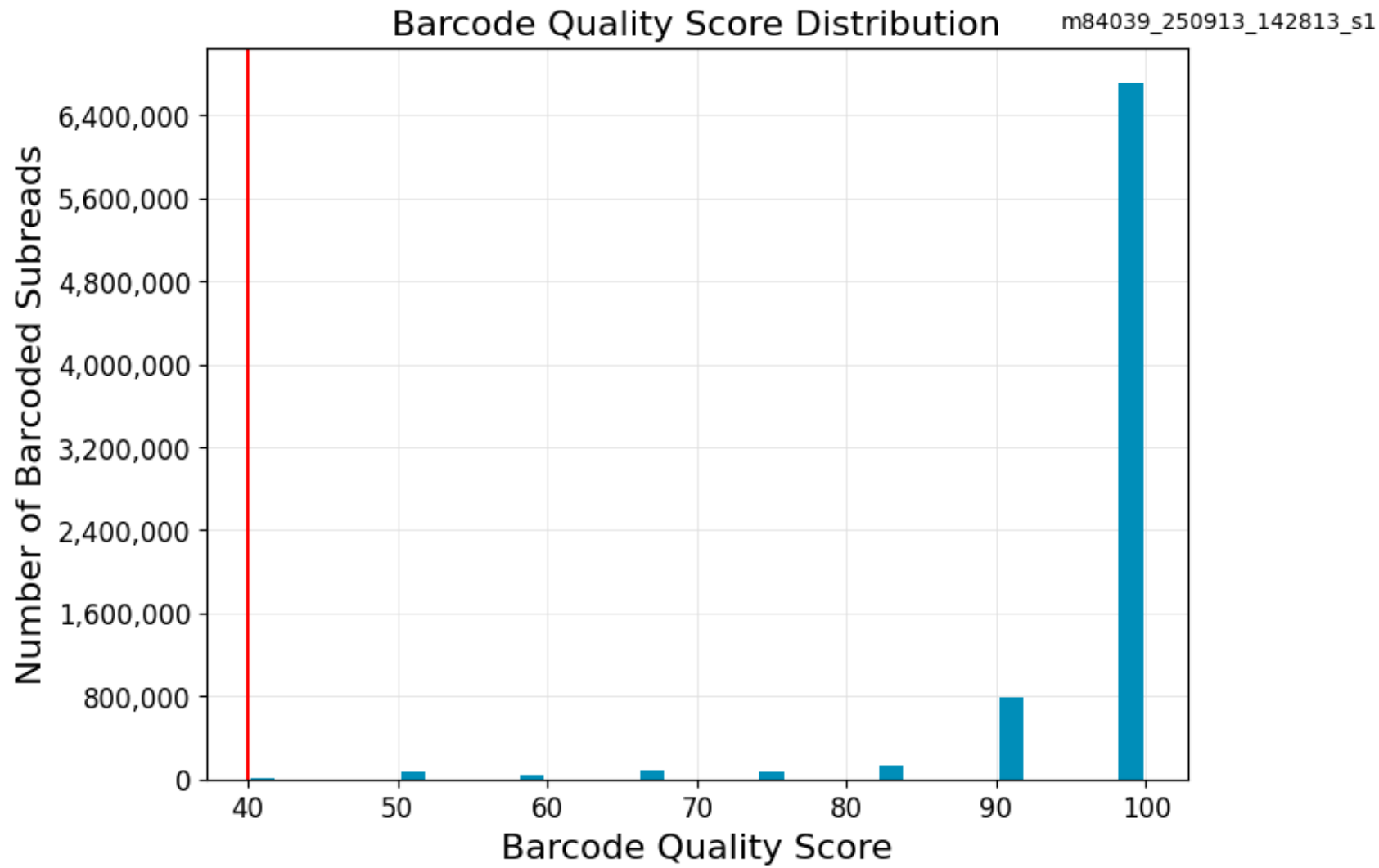
Barcode Frequency Distribution



Mean Read Length Distribution



Barcode Quality Score Distribution



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 12244

Summary

Job Type	import-collection
Name	import-collection
Comments	Description for job Import Collection
Created At	2025-09-15 06:25:16.083
SMRT Link Version	25.3.0.273777

No child jobs found