

Report for dataset AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (all samples)

Dataset 79e44688-8679-43c0-9613-2c16f9b8a0b2

Summary

Name	AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (all samples)
Created At	2024-12-02 08:37:24.141
Number of Records	2,980,167
Total Length	4,597,202,687
Movie Name	m84177_241128_121402_s3
ICS Version	13.1.0.221972
Well Sample	AP_16S_PI1_2_Cornejo
Biological Sample	[multiple]
Barcode Name	[multiple]

Barcodes

Summary

Unique Barcodes	62
Barcode HiFi Reads	2,980,167
Unbarcode HiFi Reads	731,327
Barcode HiFi Reads (%)	80.30 %
Barcode HiFi yield (Gb)	4.60 Gb
Unbarcode HiFi yield (Gb)	1.18 Gb
Barcode HiFi Yield (%)	79.57 %
Mean HiFi Reads per Barcode	48,067
Max. HiFi Reads per Barcode	1,271,081
Min. HiFi Reads per Barcode	65
Barcode HiFi read length (mean, kb)	1.54 kb
Unbarcode HiFi read length (mean, kb)	1.61 kb

Barcode Data

Sample Name	Barcode	Barcode Quality	HiFi Reads	HiFi Read Length (mean, bp)	HiFi Read Quality (median, QV)	HiFi Yield (bp)
1-8_1	bc1005--bc1033	99.0	7180	1626	Q39	11676679
1-8_2	bc1005--bc1035	99.5	11413	1632	Q47	18635475
1-8_3	bc1005--bc1044	99.4	12610	1563	Q60	19712564
1-8_4	bc1005--bc1045	99.3	4976	1647	Q47	8197888
1-8_5	bc1005--bc1054	99.1	7360	1596	Q60	11748912
1-8_6	bc1005--bc1056	99.7	15559	1568	Q53	24403437
1-8_7	bc1005--bc1057	99.7	19577	1543	Q62	30216105
1-8_8	bc1005--bc1059	99.6	1271081	1529	Q62	1944264311
1-8_9	bc1005--bc1060	98.9	44781	1540	Q47	69006259
1-9_1	bc1007--bc1033	99.7	37810	1524	Q45	57634342
1-9_2	bc1007--bc1035	98.9	229	2029	Q53	464754
1-9_3	bc1007--bc1044	99.4	11849	1528	Q60	18116912
1-9_4	bc1007--bc1045	99.2	194	1806	Q62	350554
1-9_5	bc1007--bc1054	99.6	21614	1526	Q47	33003867
1-9_6	bc1007--bc1056	99.6	18990	1528	Q44	29021949
1-9_7	bc1007--bc1057	99.7	18018	1526	Q59	27500069
1-9_8	bc1007--bc1059	99.7	31704	1539	Q43	48808596
1-9_9	bc1007--bc1060	99.7	6921	1532	Q72	10606287

1-9_10	bc1007--bc1062	99.7	21950	1528	Q50	33540553
1-10_1	bc1008--bc1033	99.6	10114	1527	Q48	15446294
1-10_2	bc1008--bc1035	99.5	34363	1525	Q48	52405298
1-10_3	bc1008--bc1044	99.3	22156	1523	Q60	33756887
1-10_4	bc1008--bc1045	99.6	31259	1526	Q53	47727036
1-10_5	bc1008--bc1054	99.1	12169	1532	Q50	18644559
1-10_6	bc1008--bc1056	99.6	12309	1528	Q48	18814053
1-10_7	bc1008--bc1057	99.4	45072	1524	Q61	68690507
1-10_8	bc1008--bc1059	99.4	14761	1557	Q57	22985447
1-10_9	bc1008--bc1060	99.3	6809	1536	Q57	10460850
1-10_10	bc1008--bc1062	99.4	11058	1524	Q45	16861422
1-11_1	bc1012--bc1033	99.2	8285	1533	Q43	12704716
1-11_2	bc1012--bc1035	99.3	18987	1532	Q58	29099051
1-11_3	bc1012--bc1044	99.1	7046	1545	Q60	10889117
1-11_4	bc1012--bc1045	97.6	22409	1538	Q63	34480007
1-11_5	bc1012--bc1054	98.0	28853	1535	Q60	44298640
1-11_6	bc1012--bc1056	99.4	65	2547	Q39	165569
1-11_7	bc1012--bc1057	99.5	43199	1525	Q60	65883571
1-11_8	bc1012--bc1059	98.5	32738	1555	Q60	50921397
1-12_1	bc1015--bc1033	99.0	6477	1551	Q58	10046939
1-12_2	bc1015--bc1035	99.1	9337	1549	Q58	14467471
1-12_3	bc1015--bc1044	99.4	6071	1543	Q60	9372714
1-12_4	bc1015--bc1045	99.4	44948	1529	Q65	68765599
1-12_5	bc1015--bc1054	99.5	20109	1530	Q60	30768823
1-12_6	bc1015--bc1056	99.5	75210	1525	Q60	114748696
1-12_7	bc1015--bc1057	99.6	29423	1525	Q63	44885400
1-12_8	bc1015--bc1059	99.2	5824	1669	Q45	9723656
1-12_9	bc1015--bc1060	98.8	21376	1532	Q60	32755449
1-12_10	bc1015--bc1062	98.8	4690	1528	Q49	7170220
a1-0	bc1020--bc1033	98.6	77915	1540	Q67	120062588
a1-3	bc1020--bc1035	99.2	302777	1529	Q60	463120365
a2-0	bc1020--bc1044	99.2	47342	1578	Q60	74730902
a2-3	bc1020--bc1045	99.0	29463	1601	Q60	47172912
a3-0	bc1020--bc1054	96.9	46226	2139	Q60	98888675
a3-3	bc1020--bc1056	99.1	46795	1598	Q60	74814904
b1-0	bc1022--bc1033	99.7	7881	1513	Q64	11924668
b1-3	bc1022--bc1035	99.5	5600	1530	Q67	8573334

b2-0	bc1022--bc1044	99.5	157076	1503	Q60	236201229
b2-3	bc1022--bc1045	99.7	20690	1523	Q60	31517742
b3-0	bc1022--bc1054	99.6	33211	1551	Q60	51516810
b3-3	bc1022--bc1056	99.7	9401	1519	Q60	14289175
1-s0	bc1024--bc1033	99.7	43829	1504	Q72	65938240
1-s3	bc1024--bc1035	99.4	2208	1519	Q72	3355749
eb-2	bc1024--bc1044	99.6	820	1520	Q60	1246493
No Name	Not Barcoded	0.0	731327	1614	Q60	1180684372

Inferred Barcodes

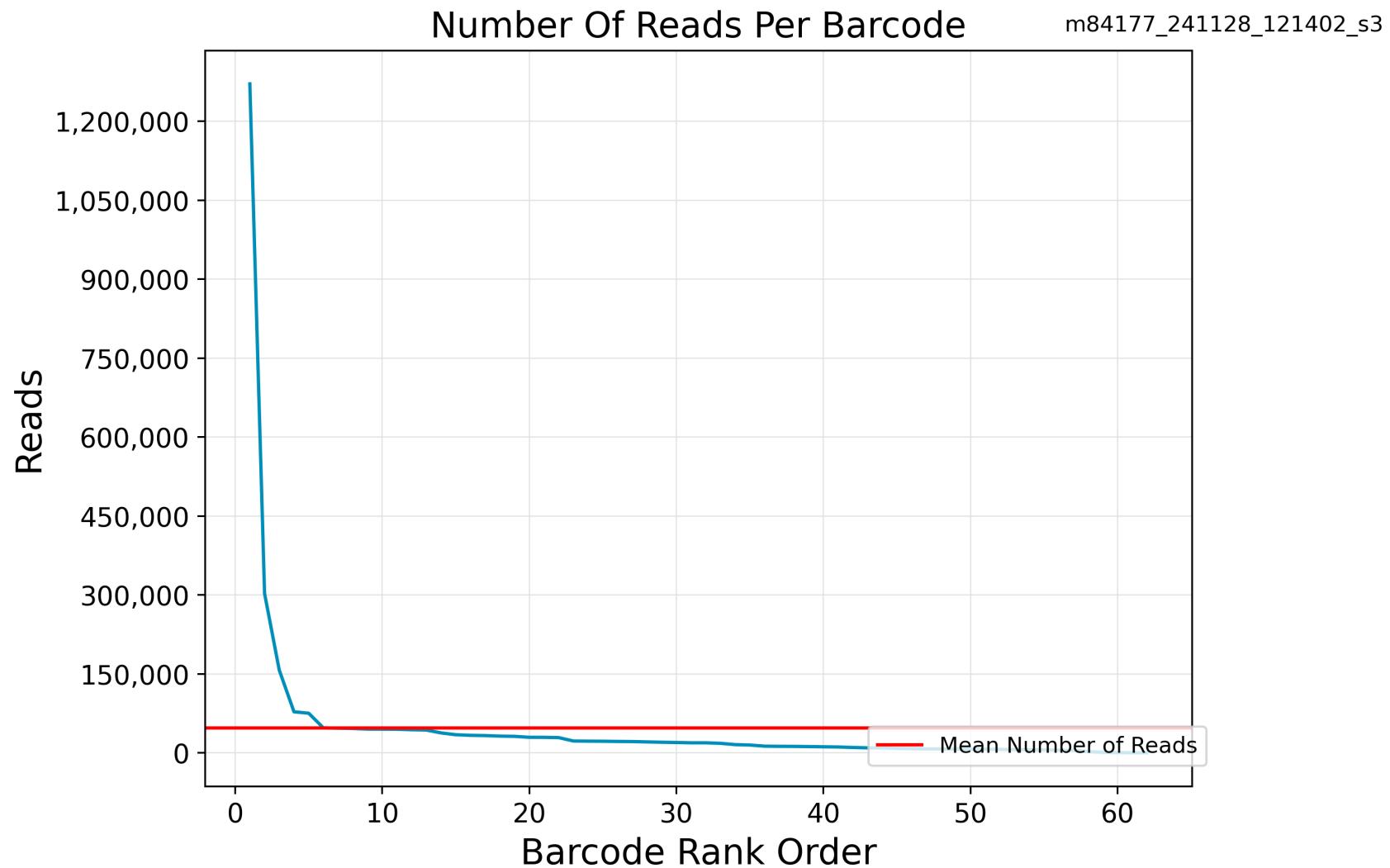
Barcode	Reads, %	Barcode score, mean
bc1005--bc1008	0.0	100.0
bc1005--bc1012	0.0	96.0
bc1005--bc1015	0.0	98.0
bc1005--bc1020	0.1	96.0
bc1005--bc1022	0.0	100.0
bc1005--bc1024	0.0	100.0
bc1005--bc1033	0.3	99.0
bc1005--bc1035	0.4	99.0
bc1005--bc1044	0.2	98.0
bc1005--bc1045	0.2	99.0
bc1005--bc1054	0.2	98.0
bc1005--bc1056	0.5	99.0
bc1005--bc1057	0.4	99.0
bc1005--bc1059	25.5	99.0
bc1005--bc1060	1.4	99.0
bc1005--bc1062	0.0	99.0
bc1007--bc1015	0.0	100.0
bc1007--bc1020	0.0	94.0
bc1007--bc1033	1.3	99.0
bc1007--bc1035	0.0	96.0
bc1007--bc1044	0.1	99.0
bc1007--bc1045	0.0	100.0
bc1007--bc1054	0.6	99.0
bc1007--bc1056	0.7	99.0
bc1007--bc1057	0.5	99.0

bc1007--bc1059	1.1	99.0
bc1007--bc1060	0.1	98.0
bc1007--bc1062	0.6	99.0
bc1008--bc1015	0.0	98.0
bc1008--bc1020	0.0	94.0
bc1008--bc1022	0.0	100.0
bc1008--bc1033	0.4	99.0
bc1008--bc1035	1.4	99.0
bc1008--bc1044	0.7	99.0
bc1008--bc1045	1.3	99.0
bc1008--bc1054	0.6	98.0
bc1008--bc1056	0.6	99.0
bc1008--bc1057	1.5	99.0
bc1008--bc1059	0.5	99.0
bc1008--bc1060	0.3	99.0
bc1008--bc1062	0.5	99.0
bc1012--bc1020	0.0	96.0
bc1012--bc1033	0.4	99.0
bc1012--bc1035	0.4	99.0
bc1012--bc1044	0.2	99.0
bc1012--bc1045	0.6	98.0
bc1012--bc1054	0.6	96.0
bc1012--bc1057	0.8	99.0
bc1012--bc1059	1.1	97.0
bc1012--bc1060	0.0	97.0
bc1012--bc1062	0.0	92.0
bc1015--bc1020	0.1	98.0
bc1015--bc1022	0.0	100.0
bc1015--bc1033	0.2	99.0
bc1015--bc1035	0.3	99.0
bc1015--bc1044	0.1	99.0
bc1015--bc1045	1.6	99.0
bc1015--bc1054	0.6	99.0
bc1015--bc1056	1.0	99.0
bc1015--bc1057	1.0	99.0
bc1015--bc1059	0.4	99.0
bc1015--bc1060	0.9	99.0

bc1015--bc1062	0.2	99.0
bc1020--bc1022	0.0	98.0
bc1020--bc1024	0.0	87.0
bc1020--bc1033	0.3	97.0
bc1020--bc1035	1.2	92.0
bc1020--bc1044	0.7	97.0
bc1020--bc1045	0.4	96.0
bc1020--bc1054	10.4	96.0
bc1020--bc1056	0.7	97.0
bc1020--bc1057	0.1	97.0
bc1020--bc1059	0.9	98.0
bc1020--bc1060	0.2	98.0
bc1020--bc1062	0.0	97.0
bc1022--bc1024	0.0	100.0
bc1022--bc1033	0.0	100.0
bc1022--bc1035	0.0	98.0
bc1022--bc1044	0.4	98.0
bc1022--bc1045	0.2	99.0
bc1022--bc1054	0.4	98.0
bc1022--bc1056	0.0	100.0
bc1022--bc1057	0.0	100.0
bc1022--bc1059	0.1	100.0
bc1022--bc1060	0.0	100.0
bc1022--bc1062	0.0	100.0
bc1024--bc1033	0.2	99.0
bc1024--bc1035	0.0	100.0
bc1024--bc1044	0.0	100.0
bc1024--bc1045	0.0	100.0
bc1024--bc1054	0.0	95.0
bc1024--bc1056	0.0	100.0
bc1024--bc1059	0.0	100.0
bc1024--bc1060	0.0	100.0
bc1024--bc1062	0.0	100.0
bc1033--bc1035	0.0	99.0
bc1033--bc1044	0.0	100.0
bc1033--bc1045	0.0	100.0
bc1033--bc1054	0.0	100.0

bc1033--bc1056	0.0	100.0
bc1033--bc1057	0.0	100.0
bc1033--bc1059	0.1	98.0
bc1033--bc1060	0.0	100.0
bc1035--bc1044	0.0	97.0
bc1035--bc1045	0.0	97.0
bc1035--bc1054	0.0	98.0
bc1035--bc1056	0.0	100.0
bc1035--bc1057	0.0	98.0
bc1035--bc1059	0.1	99.0
bc1035--bc1060	0.0	100.0
bc1035--bc1062	0.0	100.0
bc1044--bc1045	0.0	100.0
bc1044--bc1054	0.0	95.0
bc1044--bc1056	0.0	98.0
bc1044--bc1057	0.0	100.0
bc1044--bc1059	0.1	98.0
bc1044--bc1060	0.0	100.0
bc1045--bc1054	0.0	99.0
bc1045--bc1056	0.0	100.0
bc1045--bc1057	0.0	95.0
bc1045--bc1059	0.1	99.0
bc1045--bc1060	0.0	99.0
bc1054--bc1056	0.0	100.0
bc1054--bc1059	0.1	99.0
bc1054--bc1060	0.0	99.0
bc1056--bc1057	0.0	100.0
bc1056--bc1059	0.1	100.0
bc1056--bc1060	0.0	100.0
bc1056--bc1062	0.0	100.0
bc1057--bc1059	0.0	100.0
bc1059--bc1060	0.1	99.0
bc1060--bc1062	0.0	100.0
unassigned	29.6	0.0

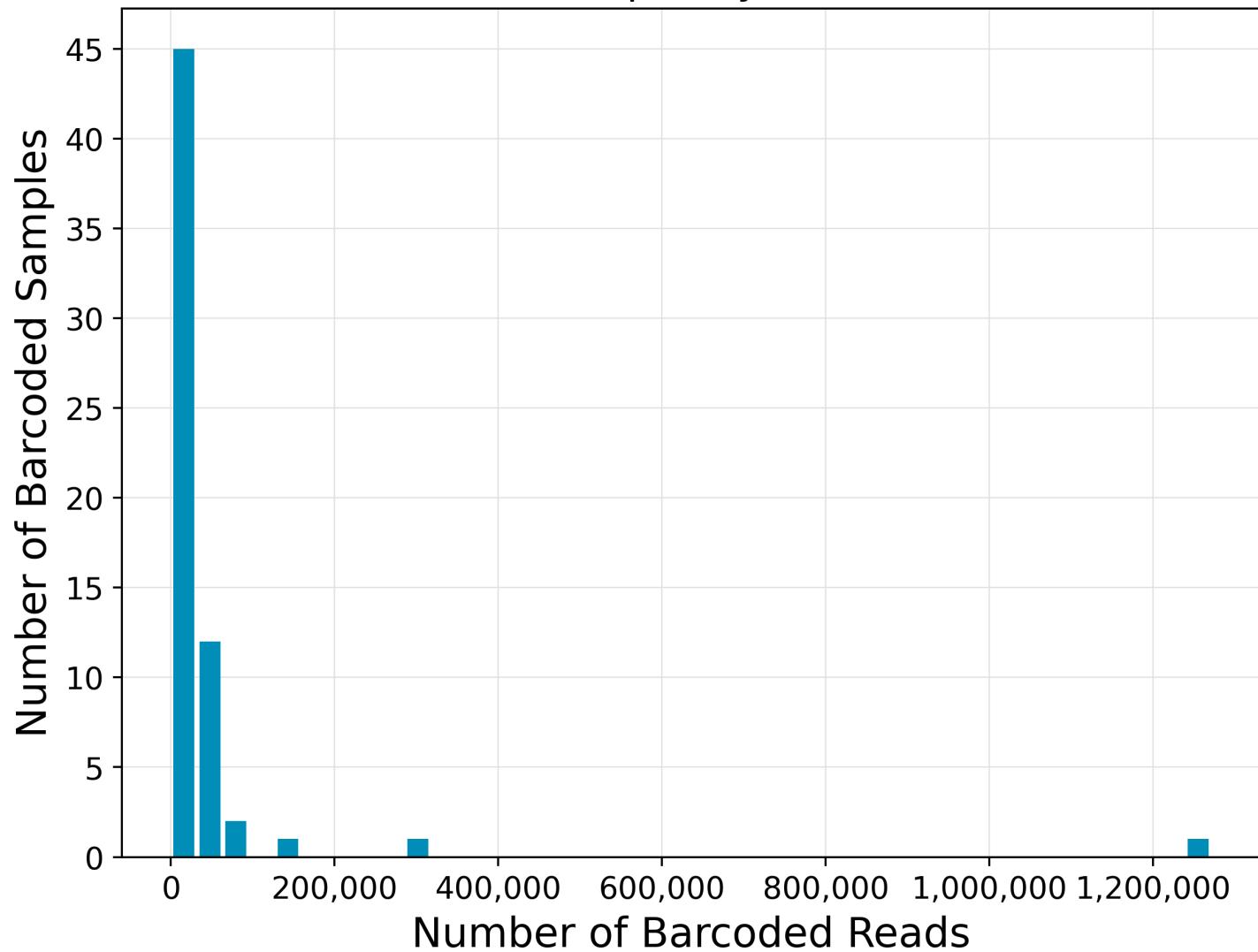
Number Of Reads Per Barcode



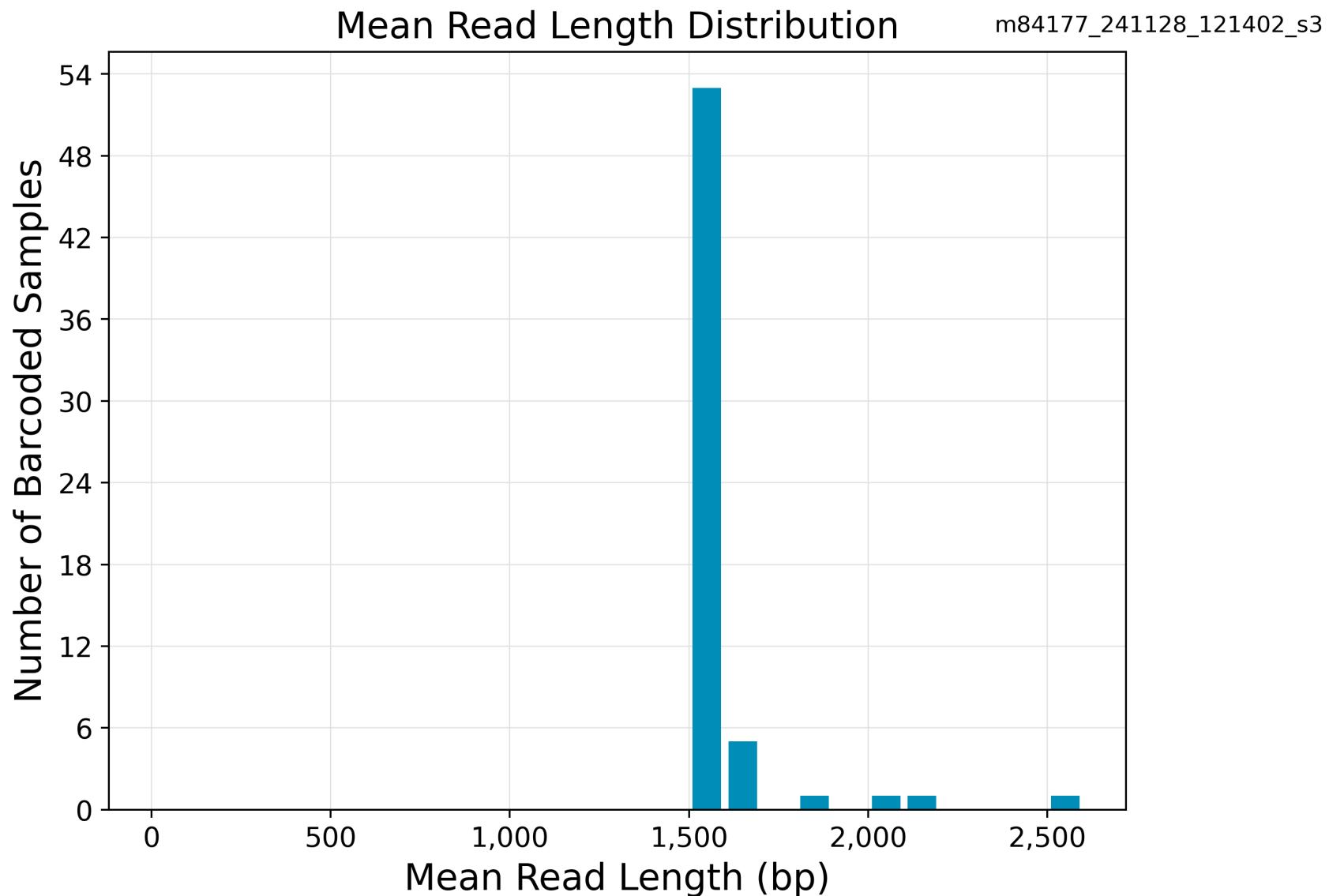
Barcode Frequency Distribution

Barcode Frequency Distribution

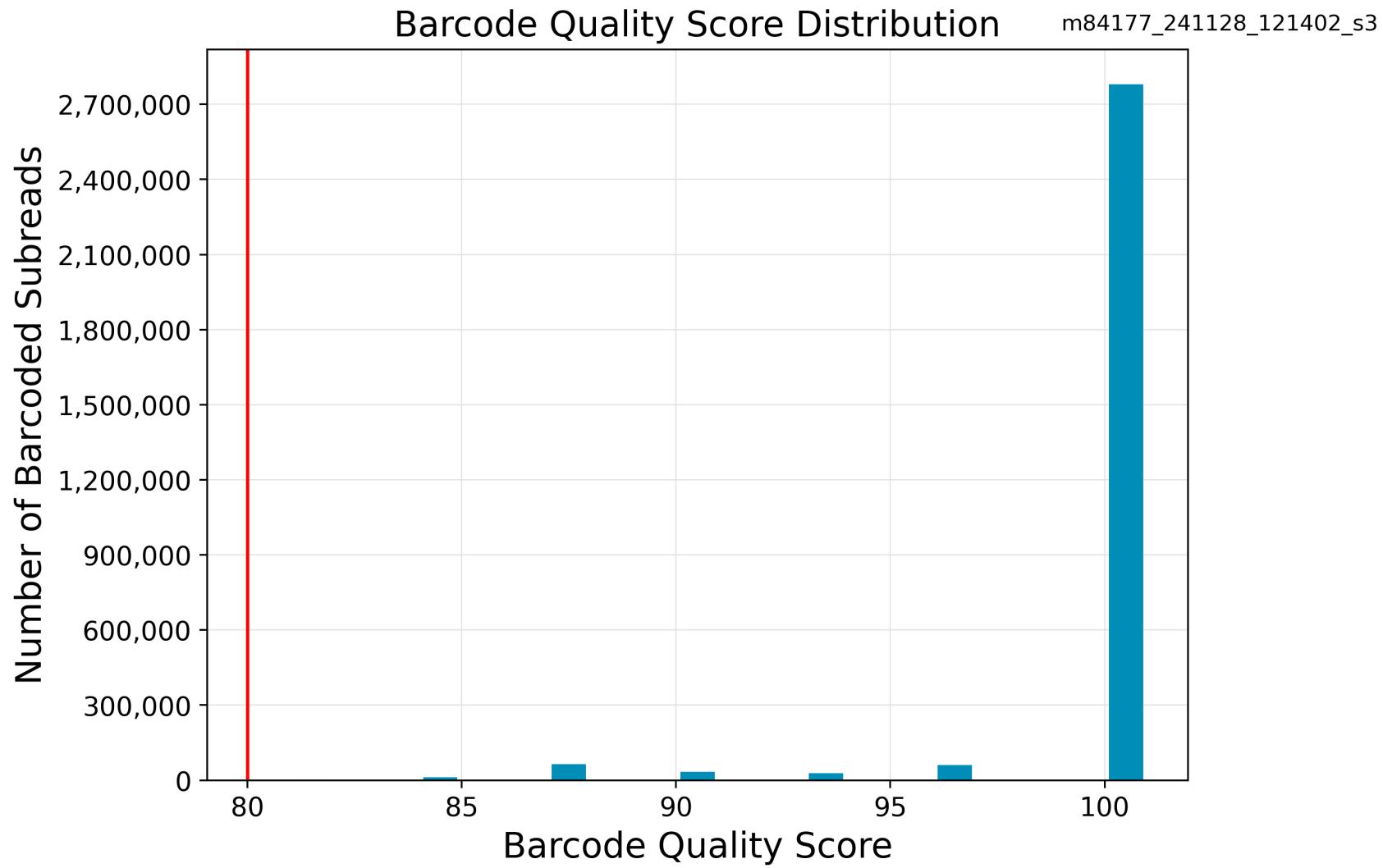
m84177_241128_121402_s3



Mean Read Length Distribution



Barcode Quality Score Distribution



No Sample Setup found

Instrument run(s)

Run 0d0c4407-b3ce-4767-9e4c-a3ae710de080

Summary

Name	241128 SONIC_0048
Status	COMPLETE
Created	2024-11-28 08:55:42.026
Started	2024-11-28 10:07:28.469
Completed	2024-11-29 20:31:03.444
Context	r84177_20241128_100608
Instrument Name	SONIC
Instrument Serial Number	84177
ICS Version	13.1.0.221972
Primary Analysis Version	13.1.0.221972
Chemistry Version	13.1.0.217683

Parent jobs (2)

Job 4589

Summary

Job Type	import-dataset
Name	import-dataset
Comments	Description for job Import PacBio DataSet
Created At	2024-11-29 22:50:09.536
SMRT Link Version	13.1.0.221970

Adapter Report

Summary

Adapter Dimers (0-10bp) %	0
Short Inserts (11-100bp) %	0
Local Base Rate	2.50

CCS Analysis Report

Summary

HiFi reads	9.3 M
HiFi reads yield	16.04 Gb
HiFi reads length (mean)	1.73 kb
HiFi reads length (median, bp)	1,569
HiFi Read Length N50 (bp)	1,569
HiFi Read Quality (median)	Q72
HiFi Read Quality (median)	72
Base Quality Q30 (%)	99.06%
HiFi Number of Passes (mean)	44

HiFi Read Length Summary

Read Length (kb)	Reads	Reads (%)	Yield (Gb)	Yield (%)
0	9275165	100	16.04 Gb	100
5,000	3748	0	0.02 Gb	0
10,000	3	0	0.00 Gb	0
15,000	0	0	0.00 Gb	0
20,000	0	0	0.00 Gb	0
25,000	0	0	0.00 Gb	0
30,000	0	0	0.00 Gb	0
35,000	0	0	0.00 Gb	0
40,000	0	0	0.00 Gb	0

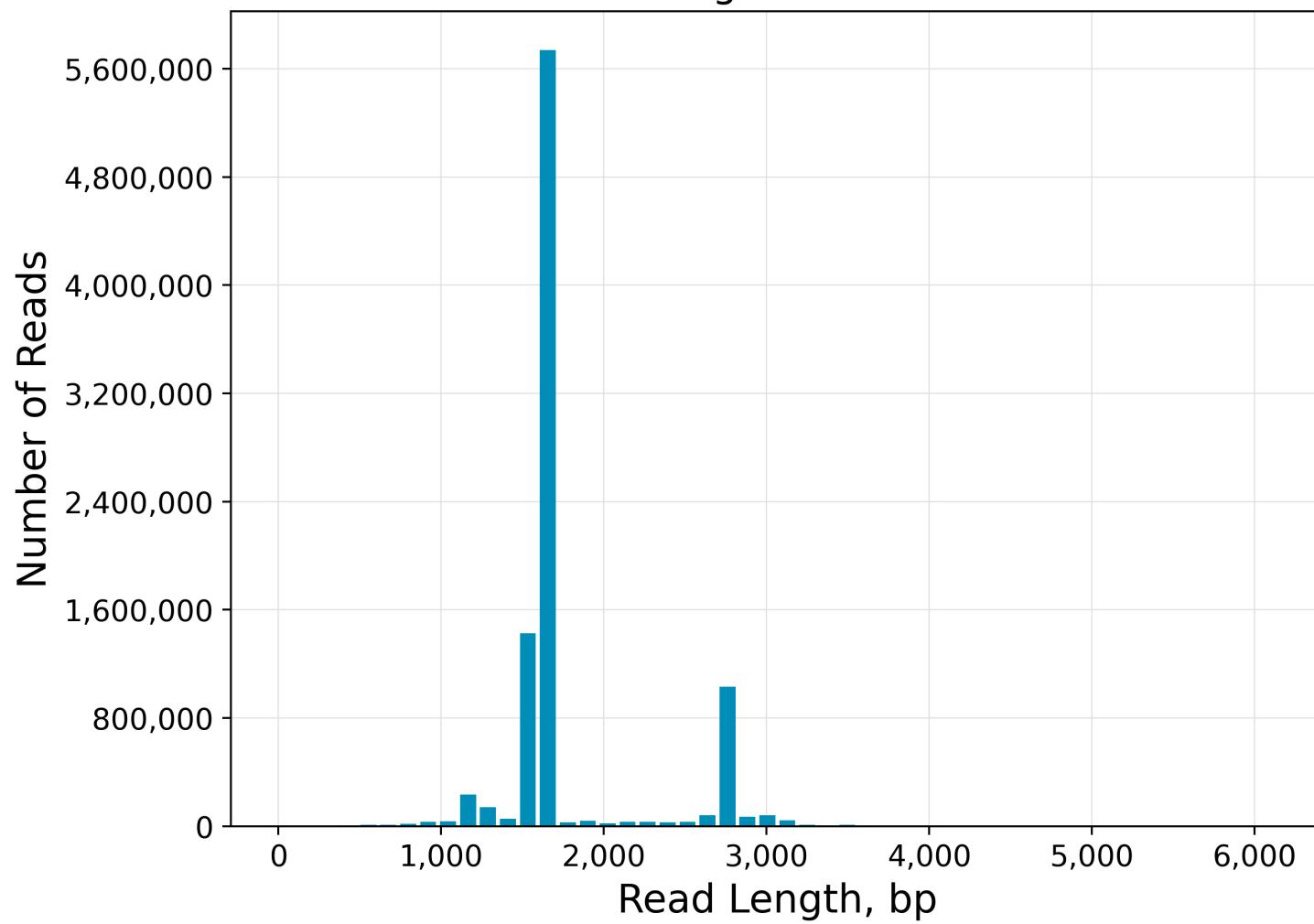
HiFi Read Quality Summary

Read Quality (Phred)	Reads	Reads (%)	Yield (Gb)	Yield (%)
Q20	9275165	100	16.04 Gb	100
Q30	8246329	89	14.28 Gb	89
Q40	6985395	75	12.08 Gb	75
Q50	5950513	64	10.19 Gb	64

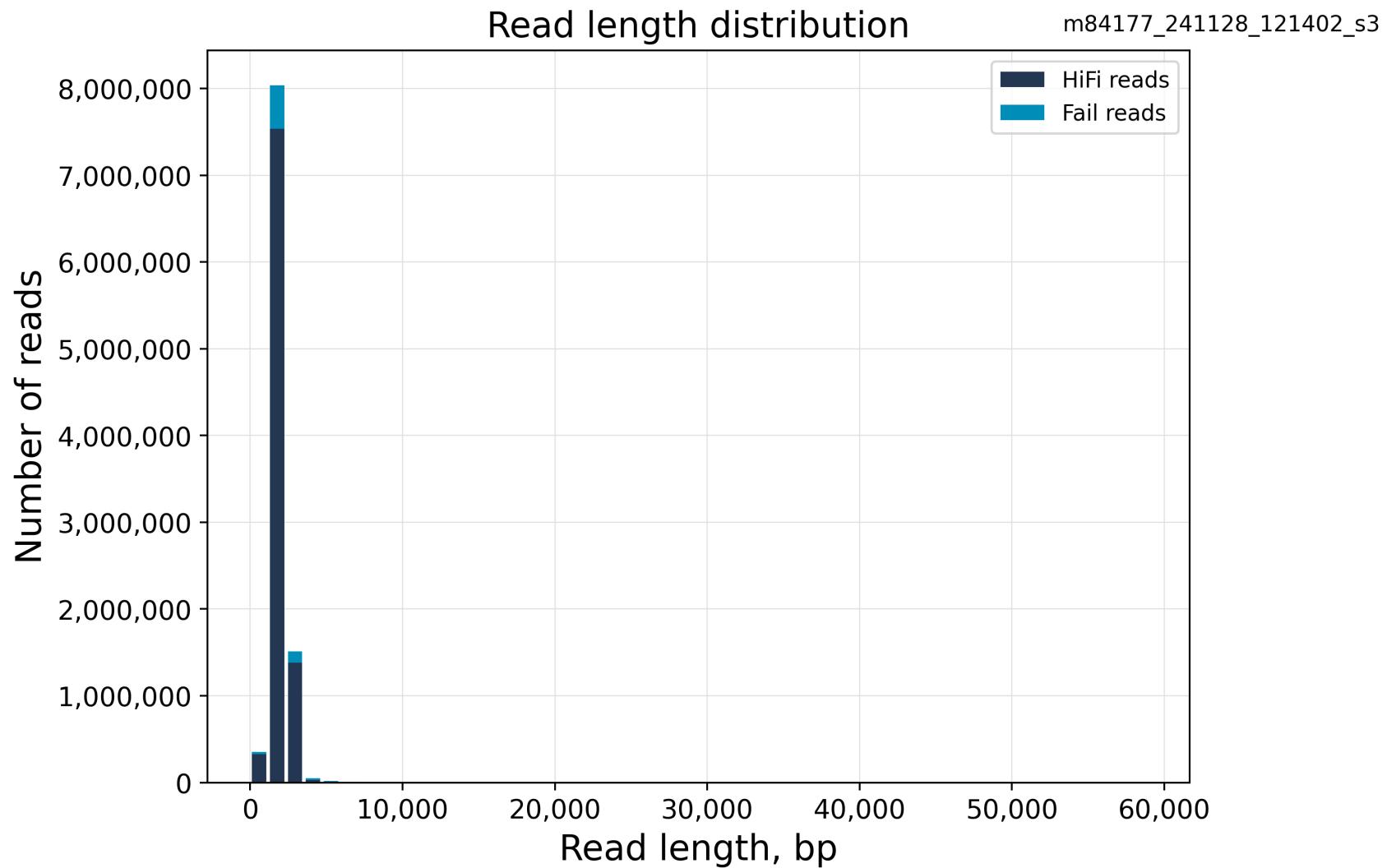
Read length distribution

Read length distribution

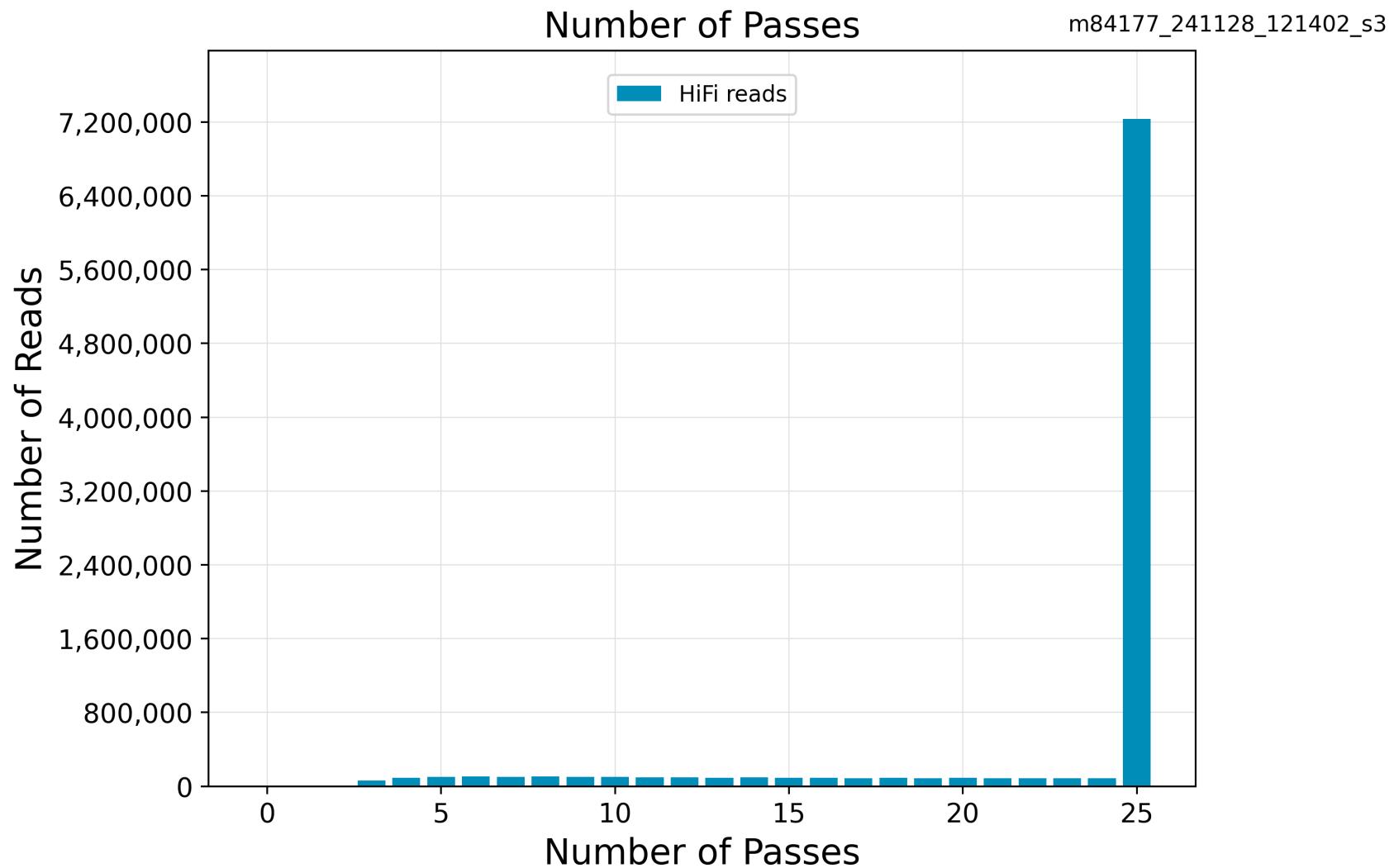
m84177_241128_121402_s3



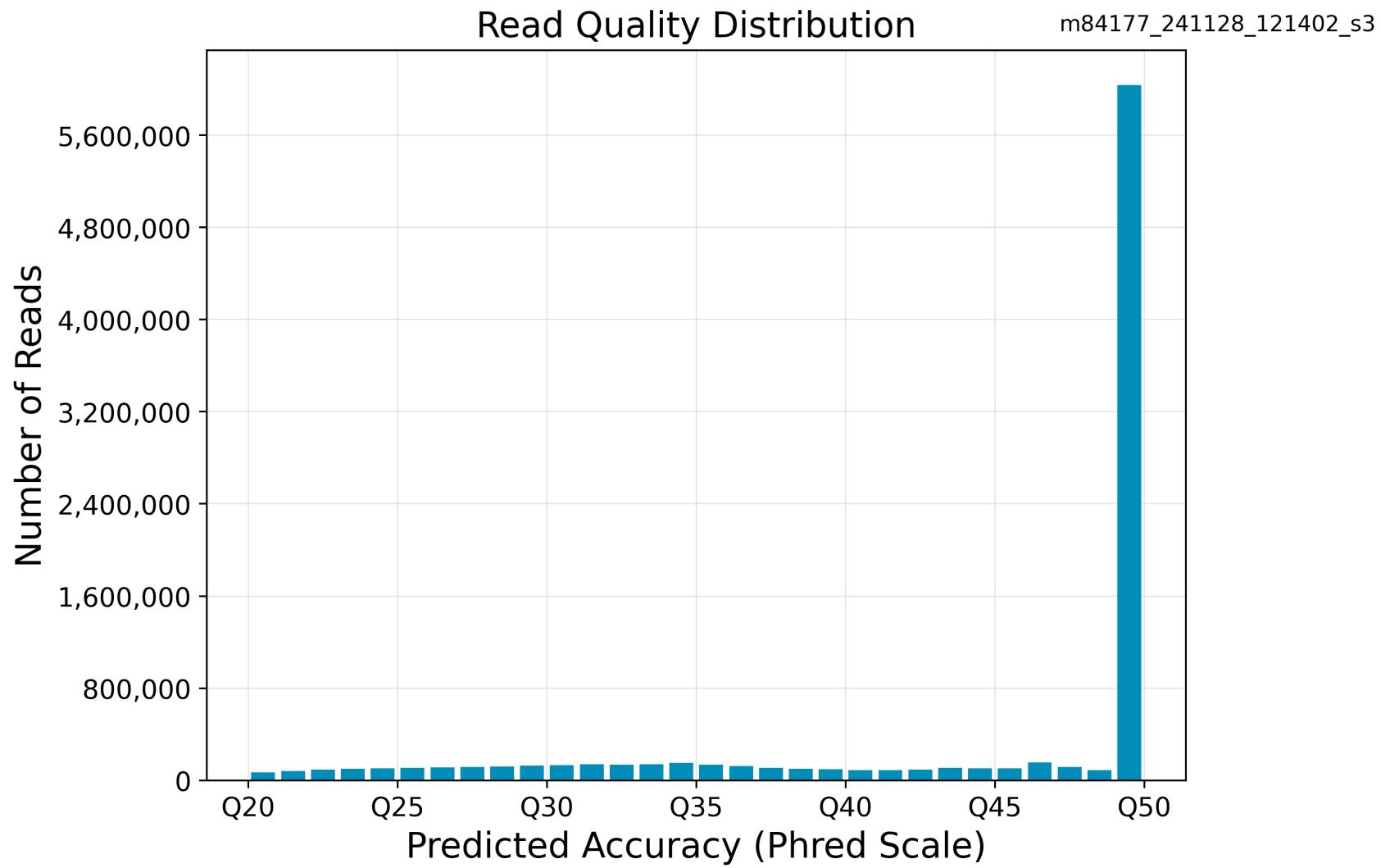
Read length distribution



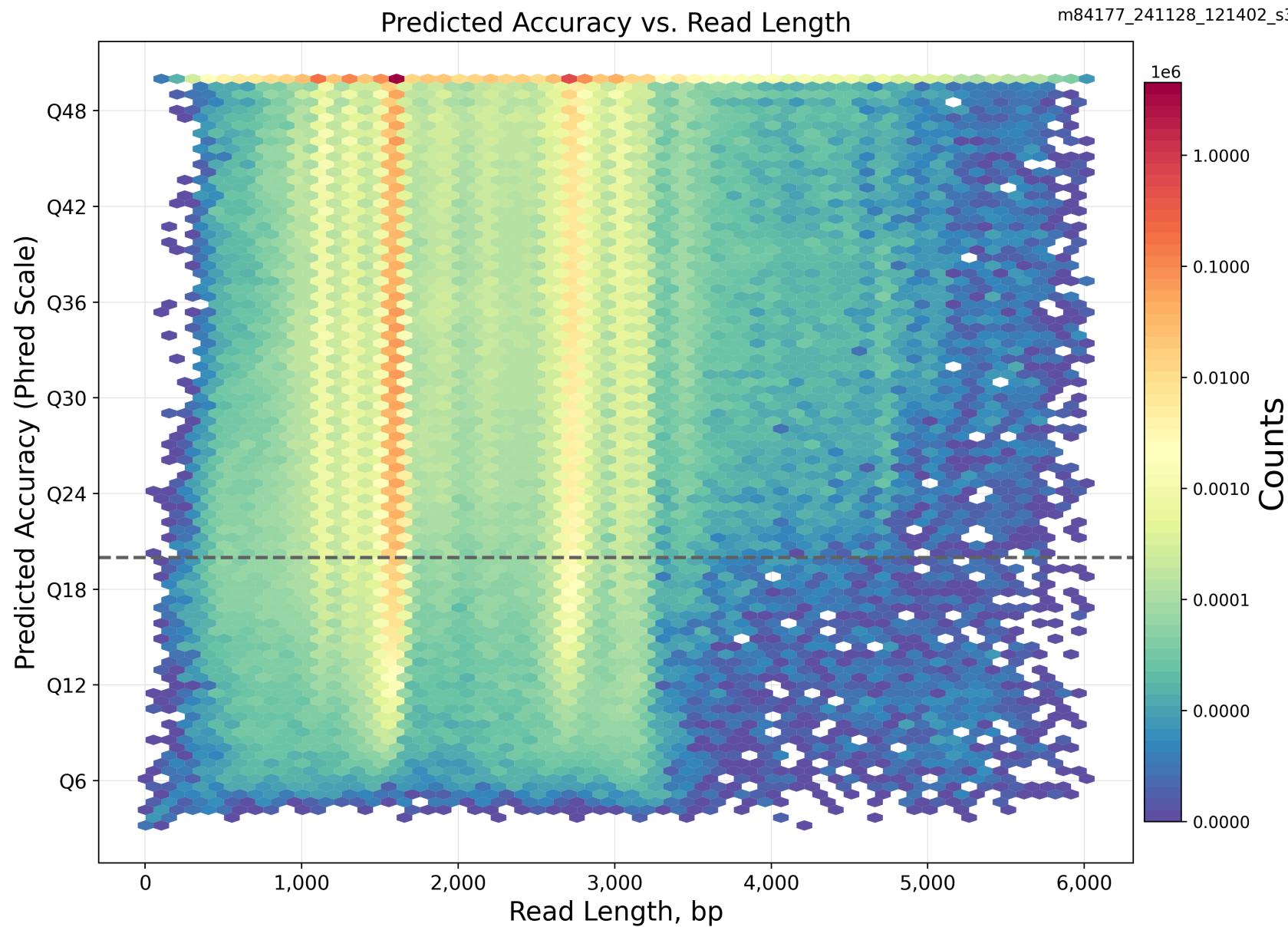
Number of Passes



Read Quality Distribution



Predicted Accuracy vs. Read Length



CCS Processing

Summary

ZMWs input	14,167,528
ZMWs pass filters	9,513,357
ZMWs fail filters	4,654,171
ZMWs shortcut filters	0
ZMWs with tandem repeats	24,541
Below SNR threshold	78,831
Median length filter	925,342
Lacking full passes	2,631,221
Heteroduplex insertions	0
Coverage drops	0
Insufficient draft cov	2
Draft too different	0
Draft generation error	61
Draft above --max-length	0
Draft below --min-length	0
Reads failed polishing	956
Empty coverage windows	2,042
CCS did not converge	0
CCS adapter concatenation	1
CCS adapter palindrome	60
CCS adapter residue	56
ZMW with full-length subread	1,014,563
ZMW with control failure	920
ZMW with control success	104
CCS below minimum RQ	0
Unknown error	0

ZMWs missing adapters	149,450
HiFi Reads	9,275,165
HiFi Yield (bp)	16,332,026,459
HiFi Read Length (mean, bp)	1,760
HiFi Read Length (median, bp)	1,601
HiFi Read Length N50 (bp)	1,601
HiFi Read Quality (median)	75
HiFi Number of Passes (mean)	44
<Q20 Reads	238,192
<Q20 Yield (bp)	425,711,248
<Q20 Read Length (mean, bp)	1,787
<Q20 Read Length (median, bp)	1,596
<Q20 Read Quality (median)	17
>=Q30 Reads	8,246,316
>=Q30 Yield (bp)	14,542,903,731
>=Q30 Read Length (mean, bp)	1,763
>=Q30 Read Length (median, bp)	1,601
>=Q30 Read Quality (median)	86
Base quality >=Q30 (bp)	16,178,323,995
Base quality >=Q30 (%)	99.10000000000001

Control Report

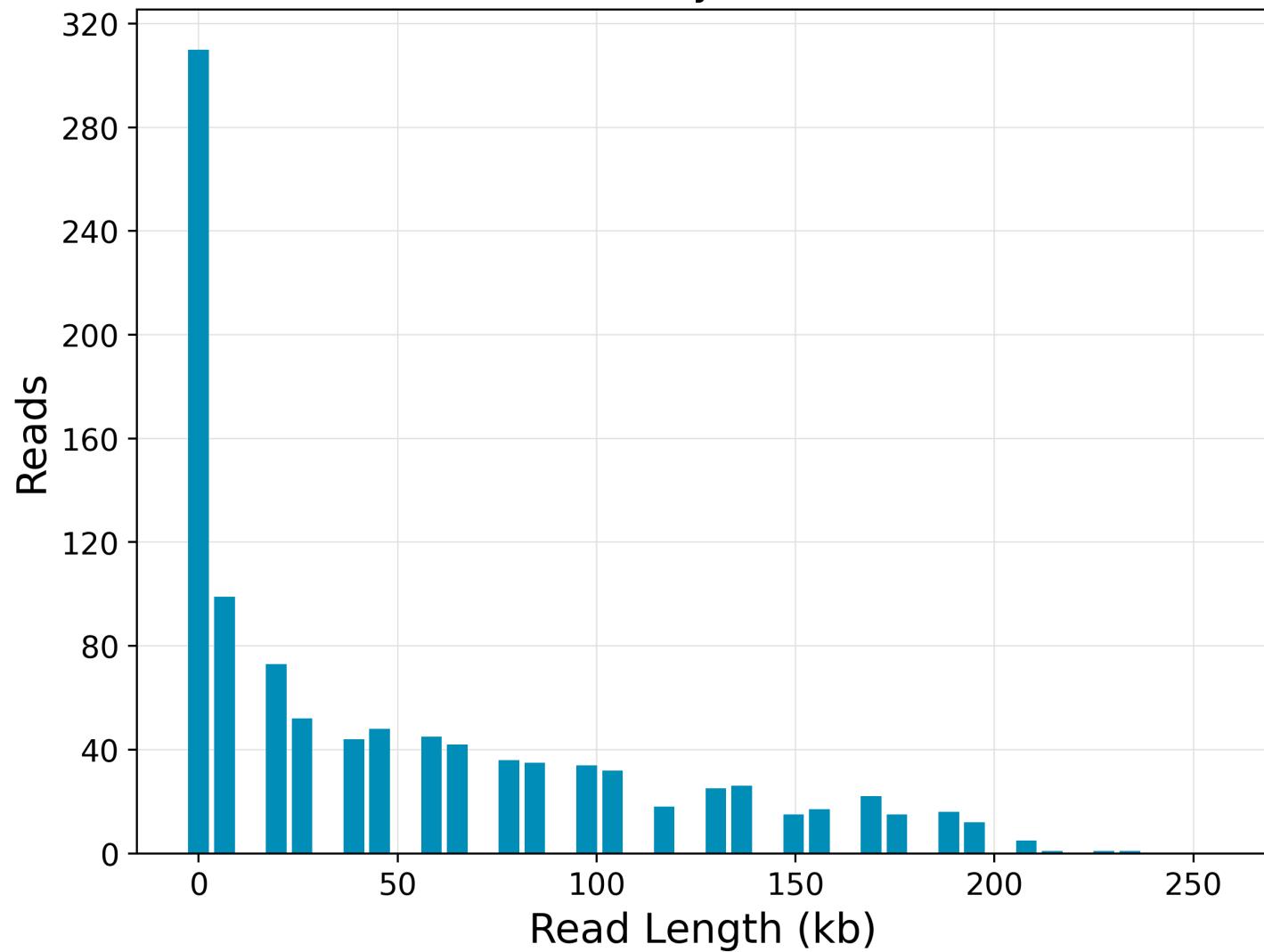
Summary

Number of Control Reads	1,024
Control Read Length Mean	53,520
Control Read Concordance Mean	0.91
Control Read Concordance Mode	0.93

Control Polymerase RL

Control Polymerase RL

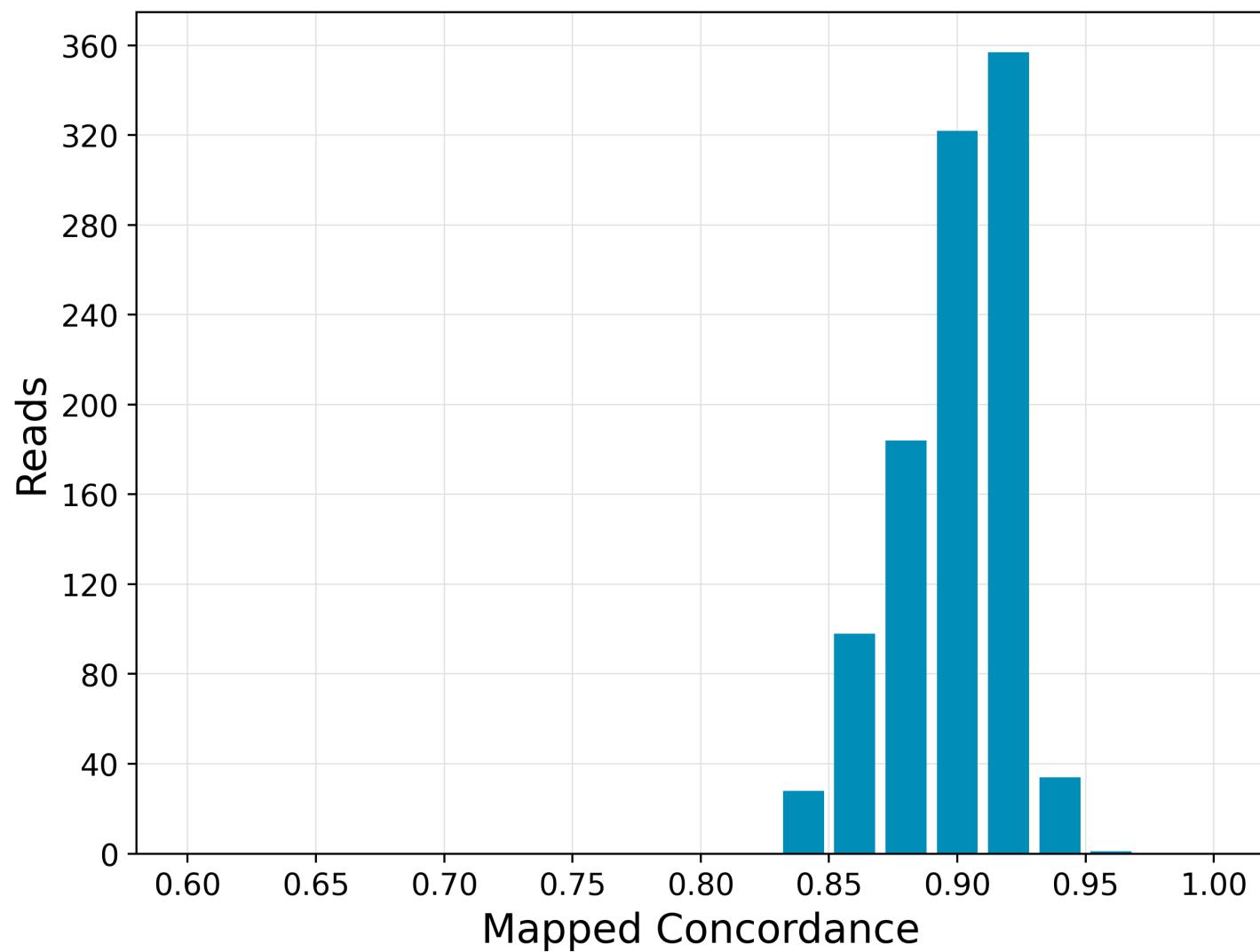
m84177_241128_121402_s3



Control Concordance

Control Concordance

m84177_241128_121402_s3



Loading Report

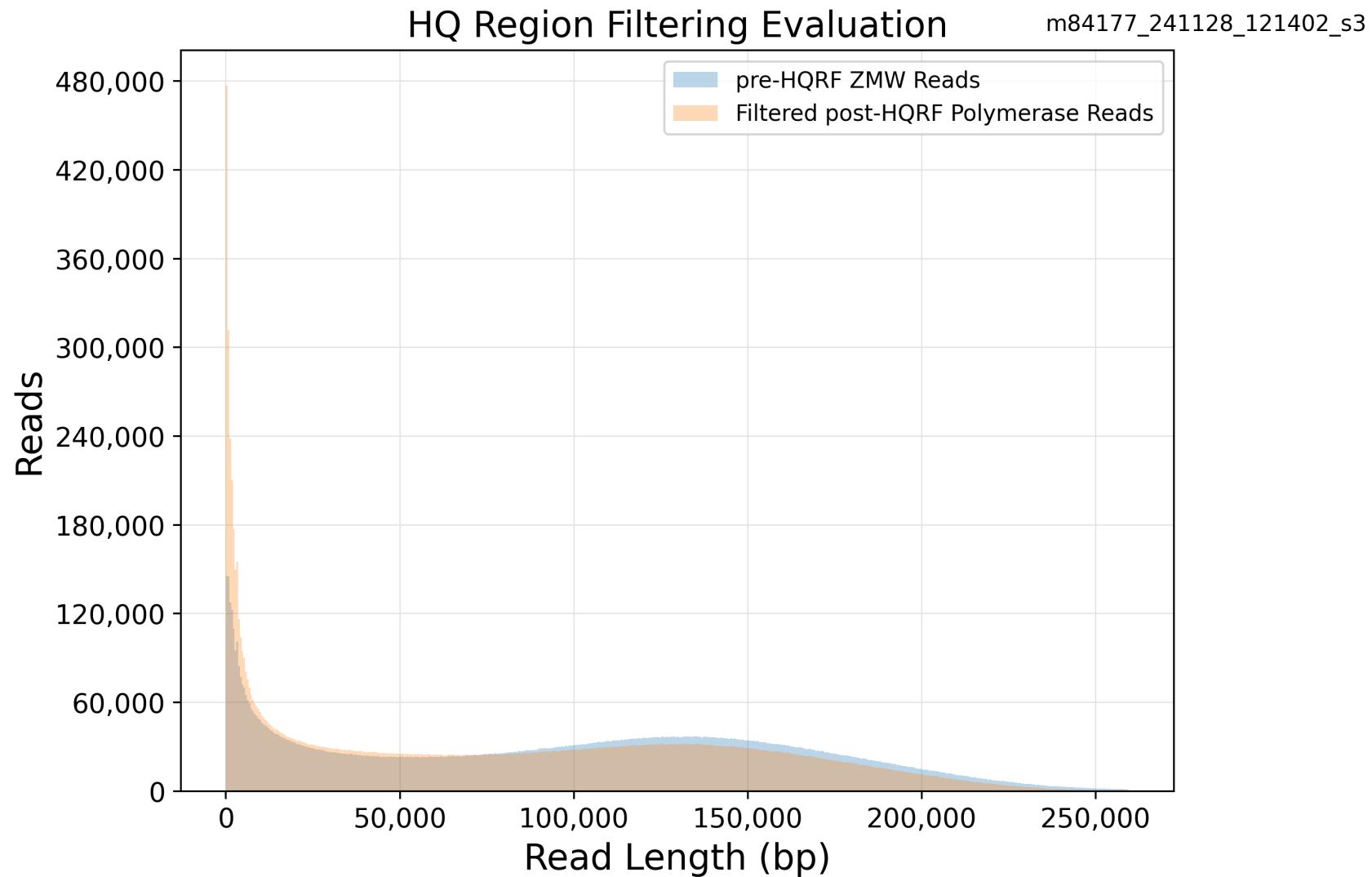
Summary

Productive ZMWs	25,165,824
Productivity 0	11,770,973
Productivity 1	13,314,353
Productivity 2	80,498

Loading Statistics

Collection Context	Total ZMWs	Productivity 0	P0 (%)	Productivity 1	P1 (%)	Productivity 2	P2 (%)	Loading type
m84177_241128_121402_s3	25165824	11770973	46.77	13314353	52.91	80498	0.32	Workflow_Kestrel.py

HQ Region Filtering Evaluation

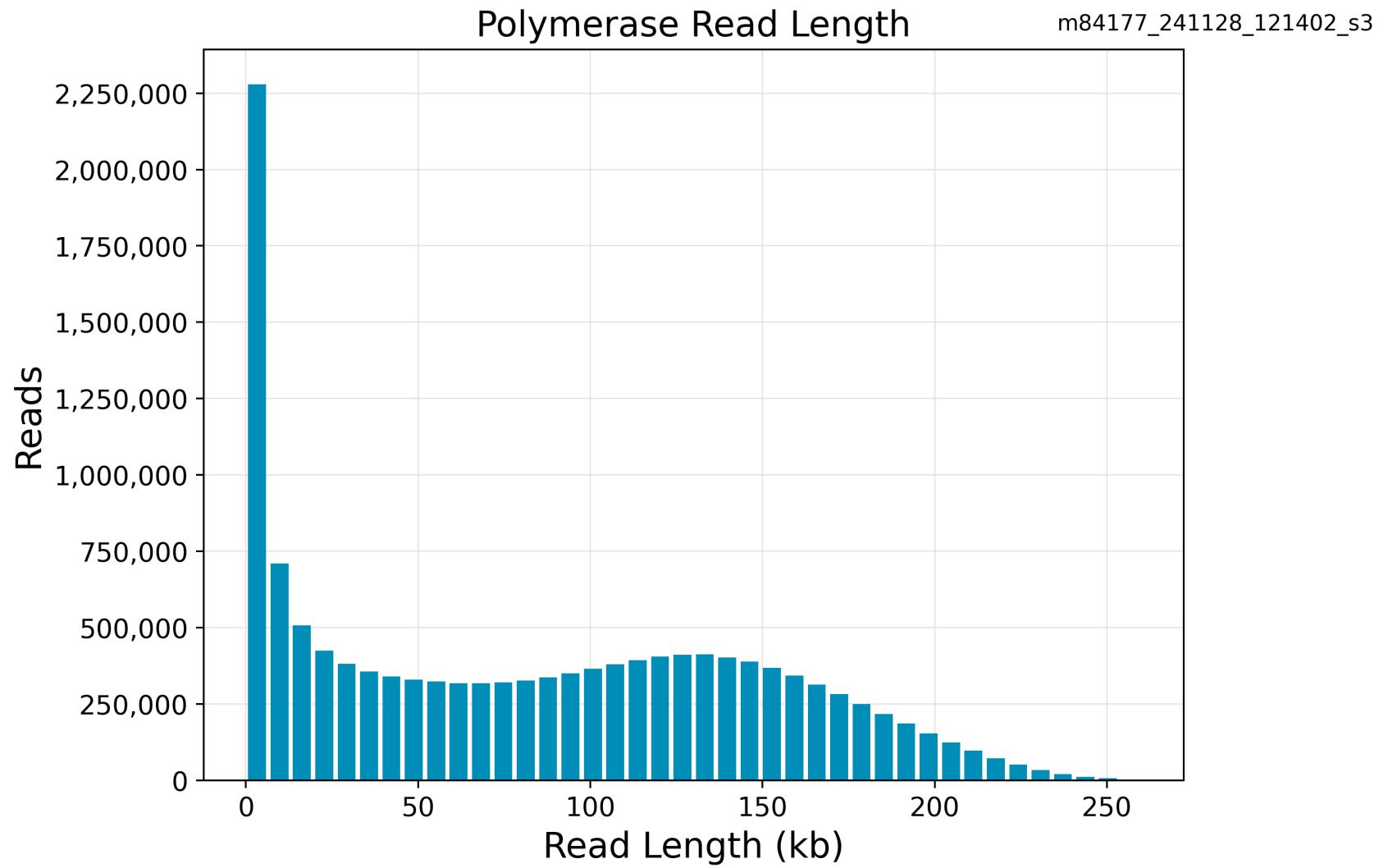


Raw Data Report

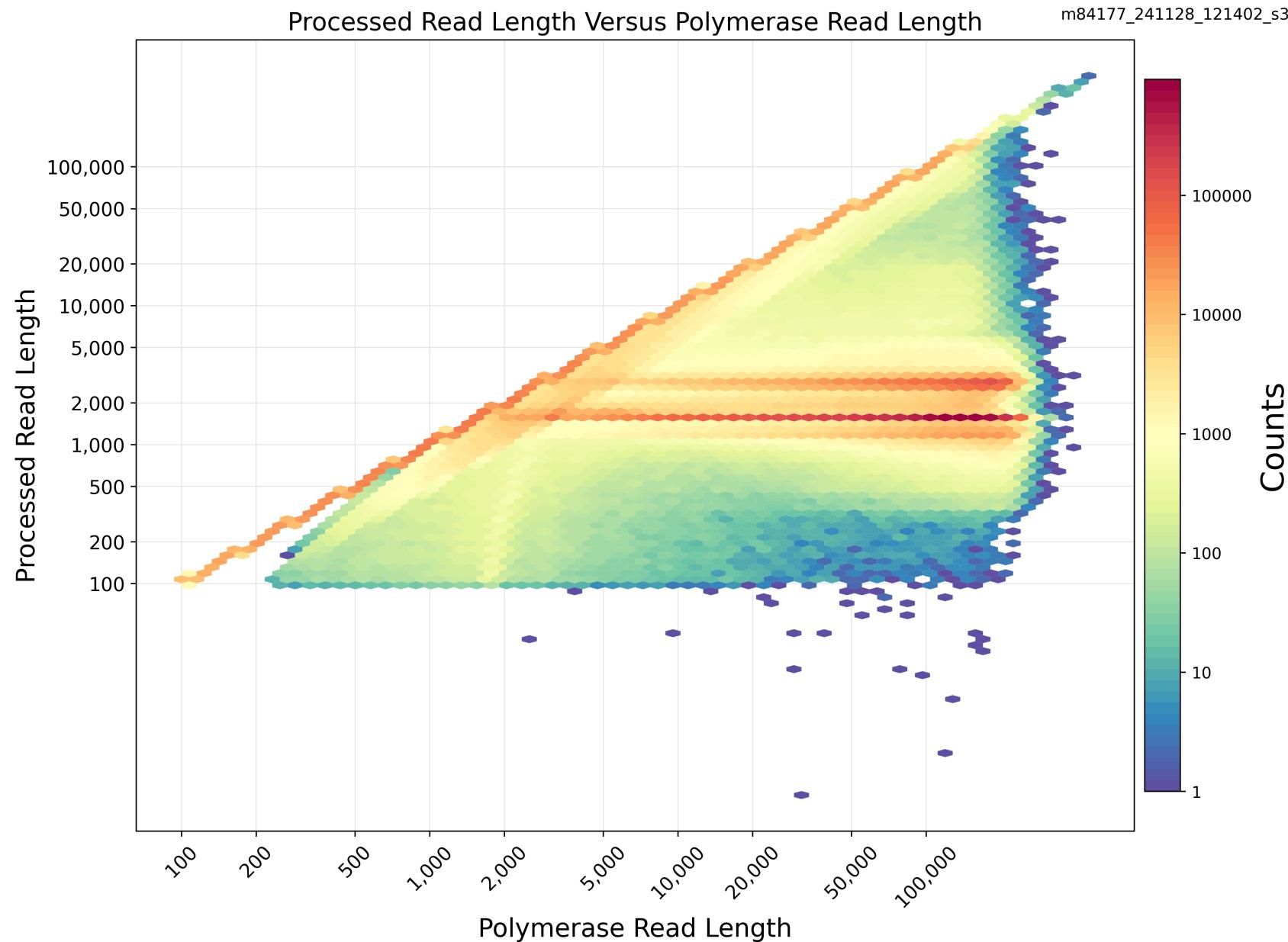
Summary

Polymerase Read Bases	1,087,023,993,520
Polymerase Reads	13,313,329
Polymerase Read Length (mean)	81.65 kb
Polymerase read length (N50)	138.25 kb
Polymerase read length longest subread length (mean)	7.10 kb
Polymerase read length longest subread length (N50)	22.75 kb
Unique Molecular Yield	50,691,870,720

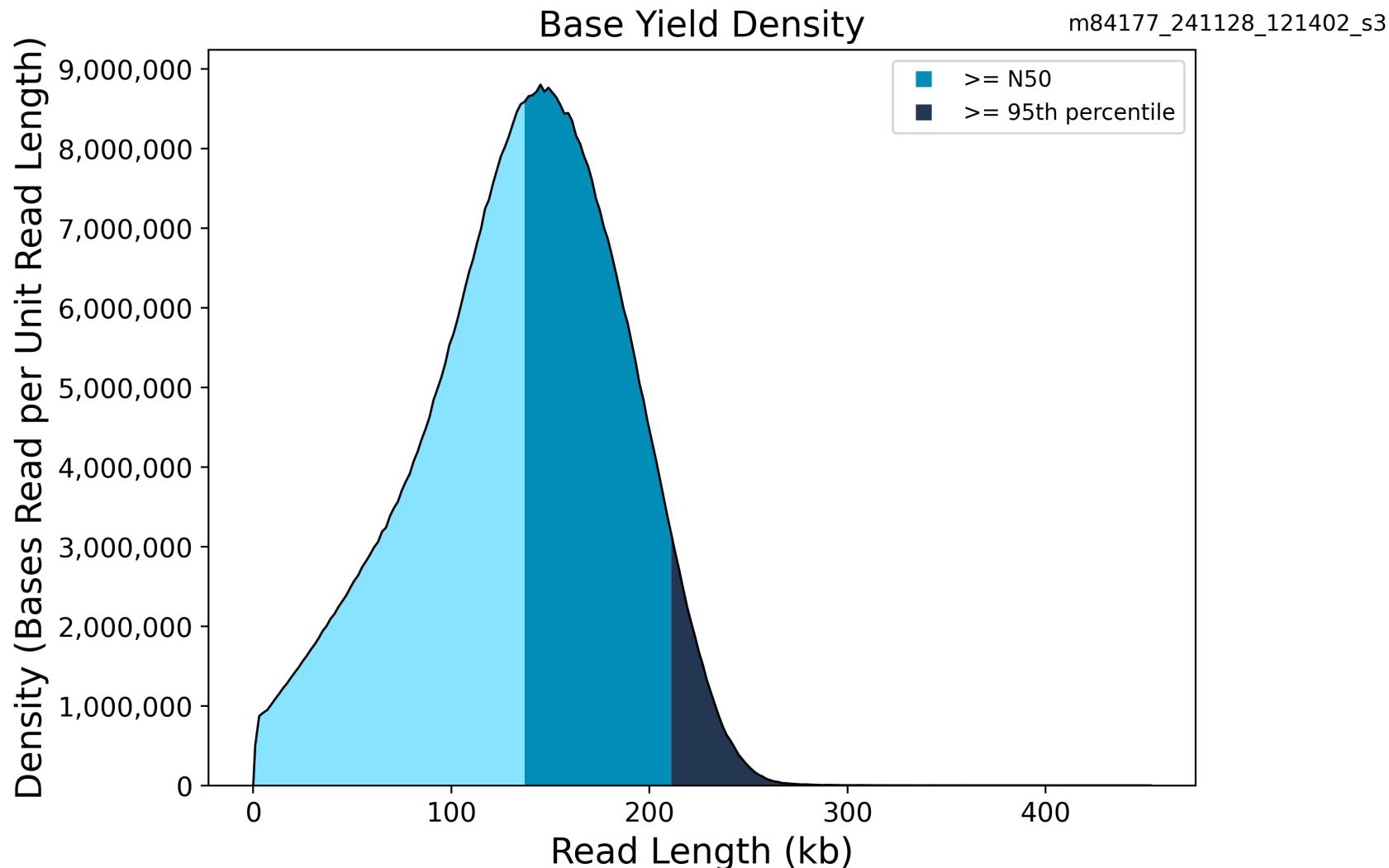
Polymerase Read Length



Longest Subread Length Versus Polymerase Read Length



Base Yield Density



Barcodes

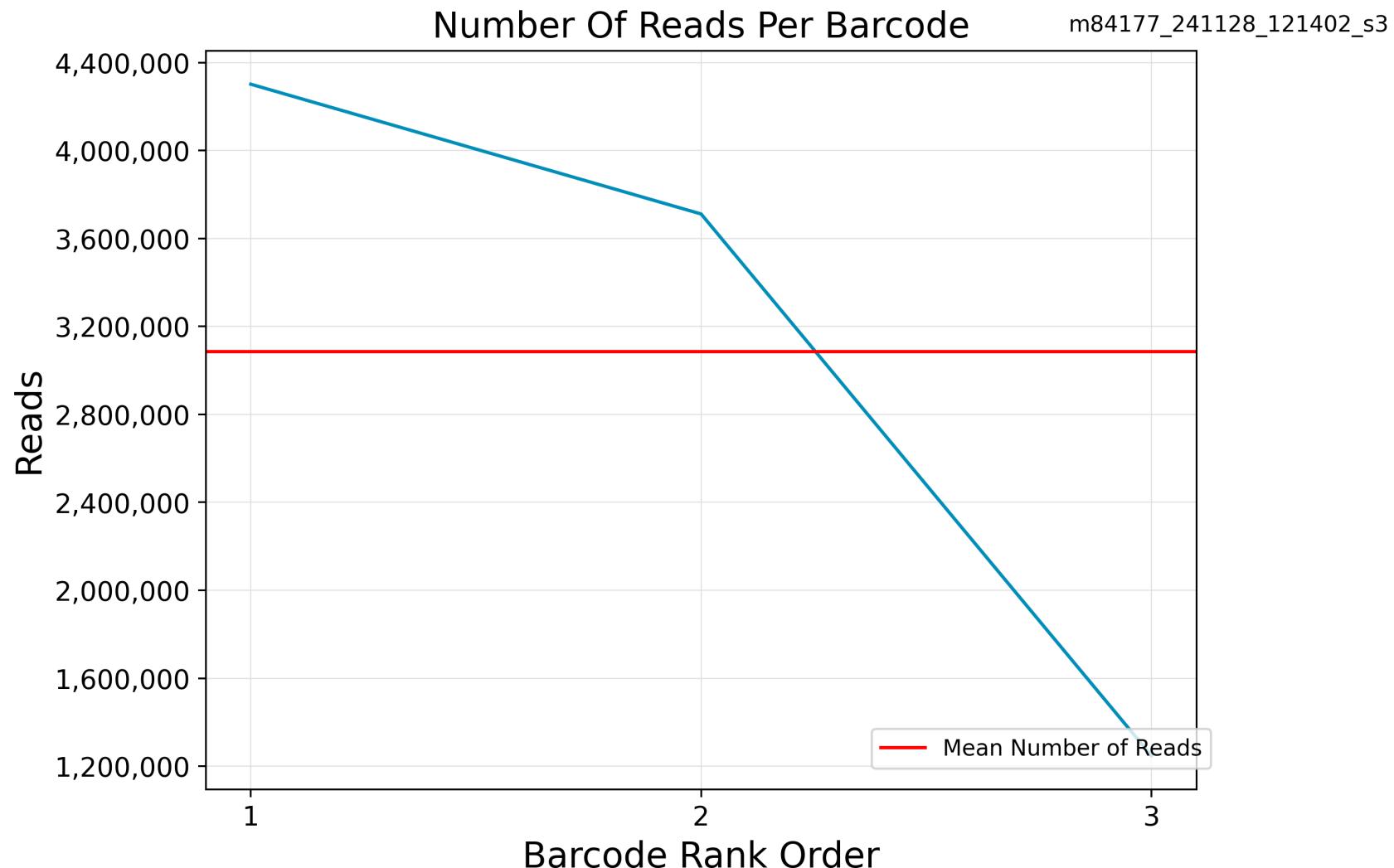
Summary

Unique Barcodes	3
Barcode HiFi Reads	9,261,059
Unbarcode HiFi Reads	14,106
Barcode HiFi Reads (%)	99.85 %
Barcode HiFi yield (Gb)	16.02 Gb
Unbarcode HiFi yield (Gb)	0.02 Gb
Barcode HiFi Yield (%)	99.85 %
Mean HiFi Reads per Barcode	3,087,019
Max. HiFi Reads per Barcode	4,301,624
Min. HiFi Reads per Barcode	1,247,941
Barcode HiFi read length (mean, kb)	1.73 kb
Unbarcode HiFi read length (mean, kb)	1.73 kb

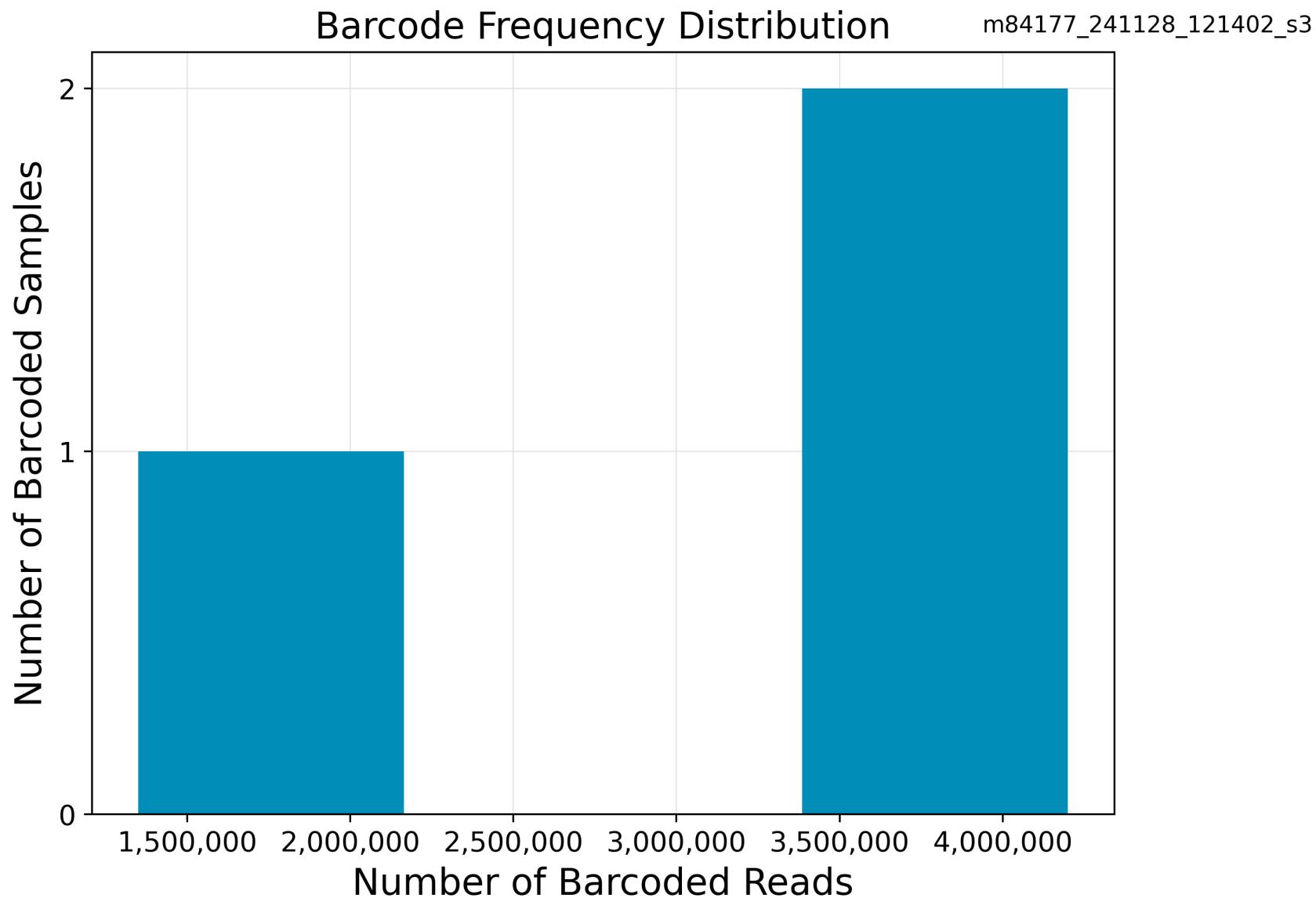
Barcode Data

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)
AP_16S_PI1	bc2247--bc2247	97.9	4301624	1565	Q60	6734876210	107423
AP_16S_PI2	bc2248--bc2248	98.2	3711494	1591	Q67	5907707513	108019
Ponza1_4_bis	bc2249--bc2249	97.8	1247941	2703	Q64	3374063458	117817
No Name	Not Barcoded	0.0	14106	1733	Q29	24447953	80745

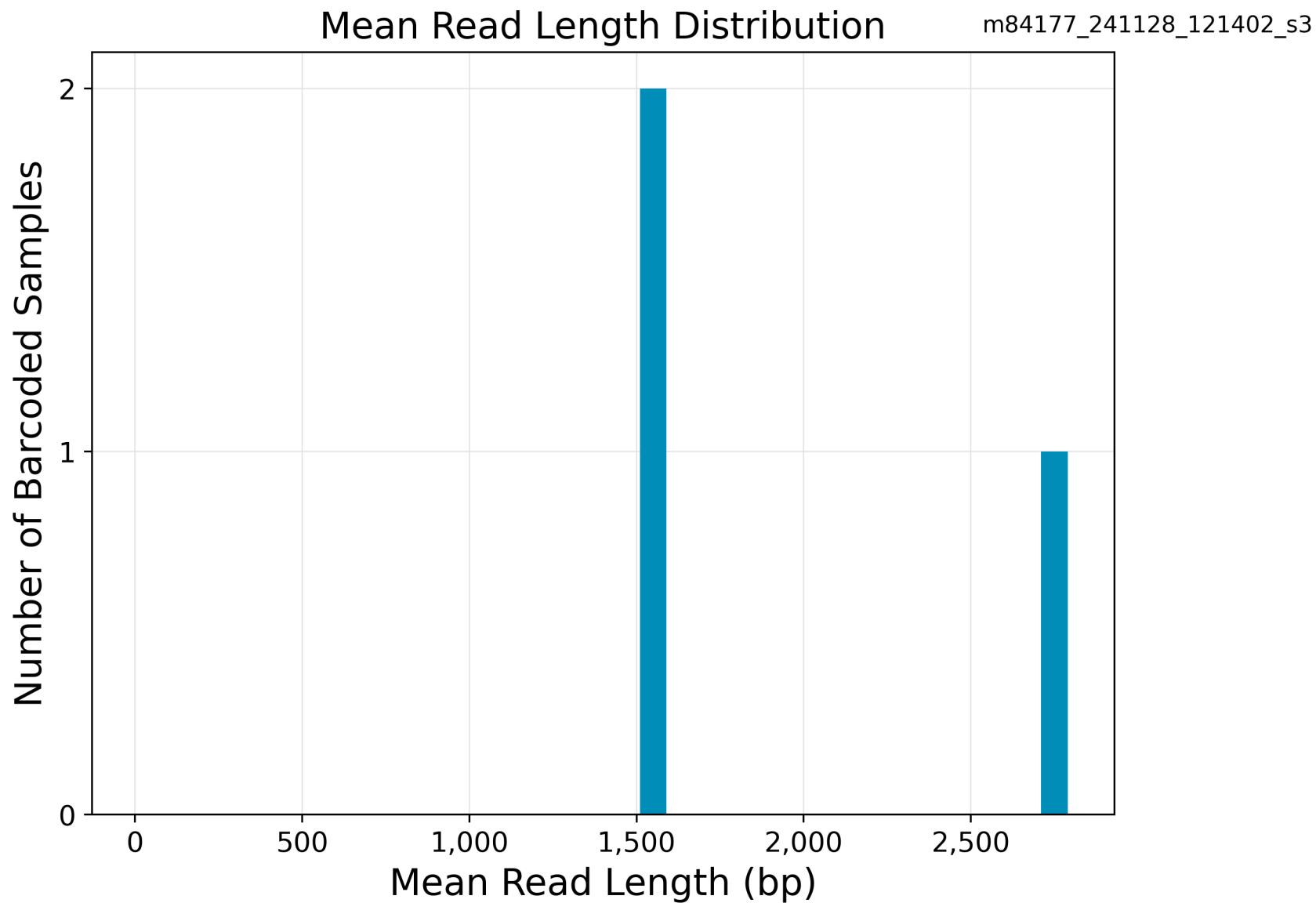
Number Of Reads Per Barcode



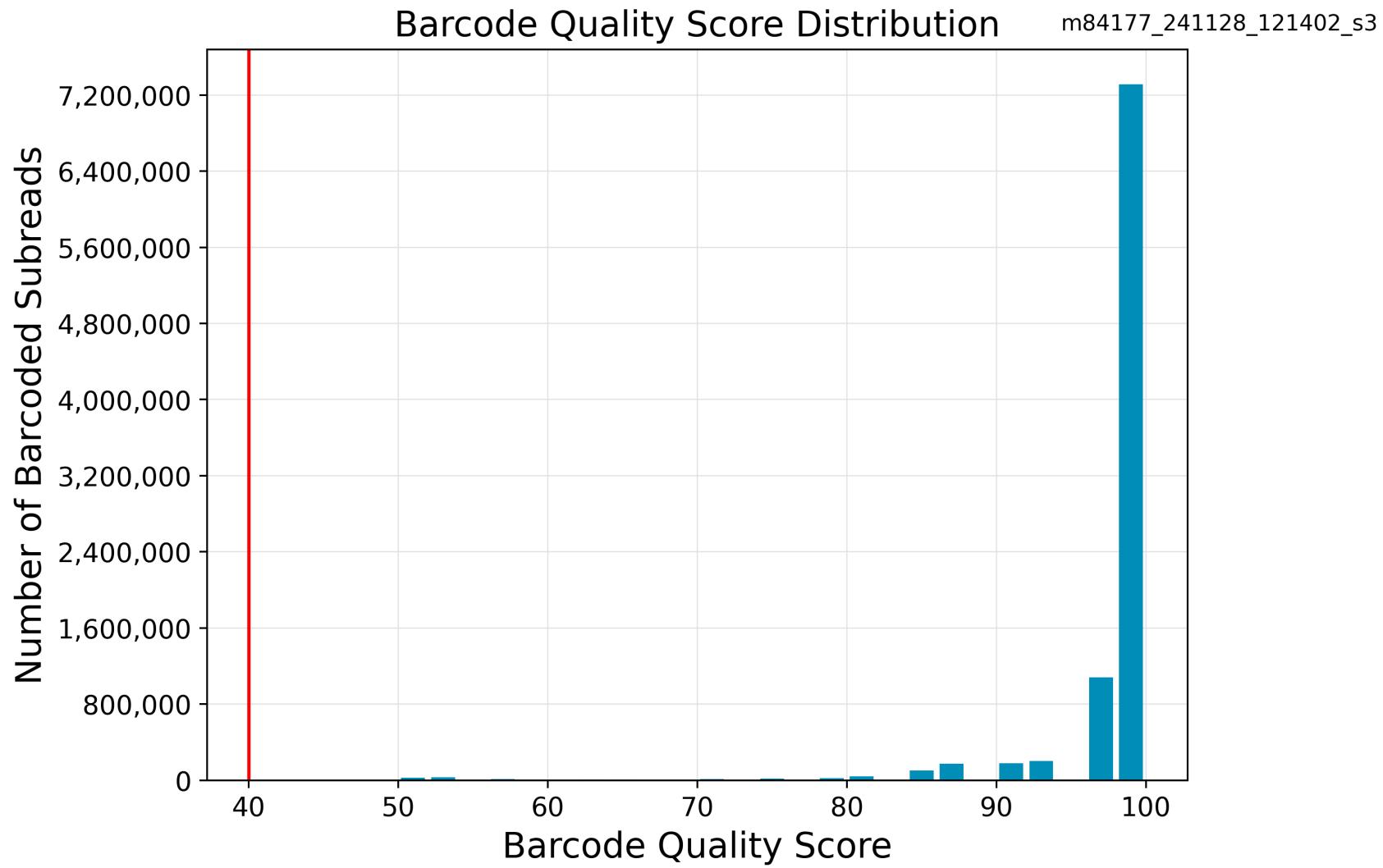
Barcode Frequency Distribution



Mean Read Length Distribution



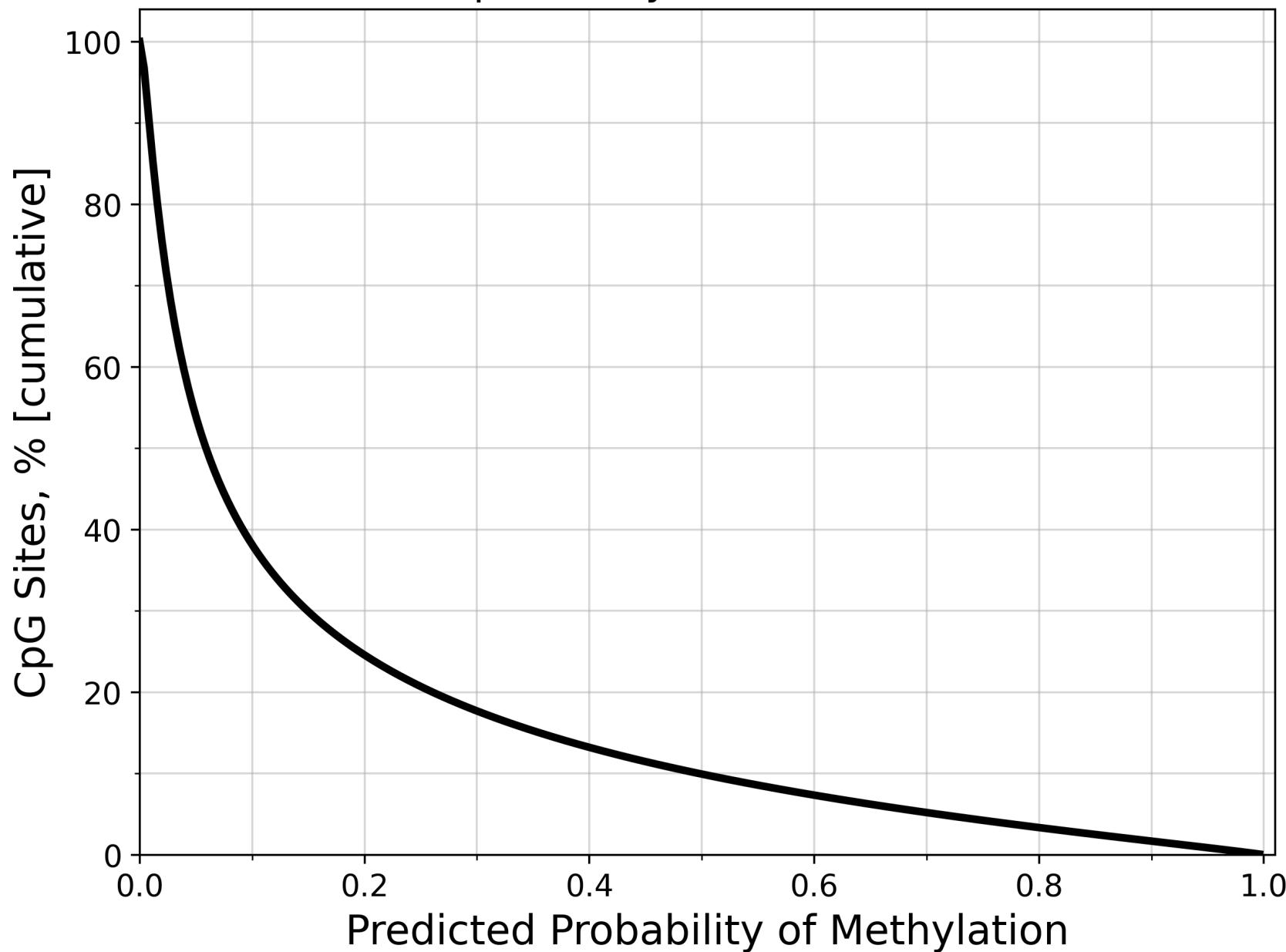
Barcode Quality Score Distribution



5mC CpG Report

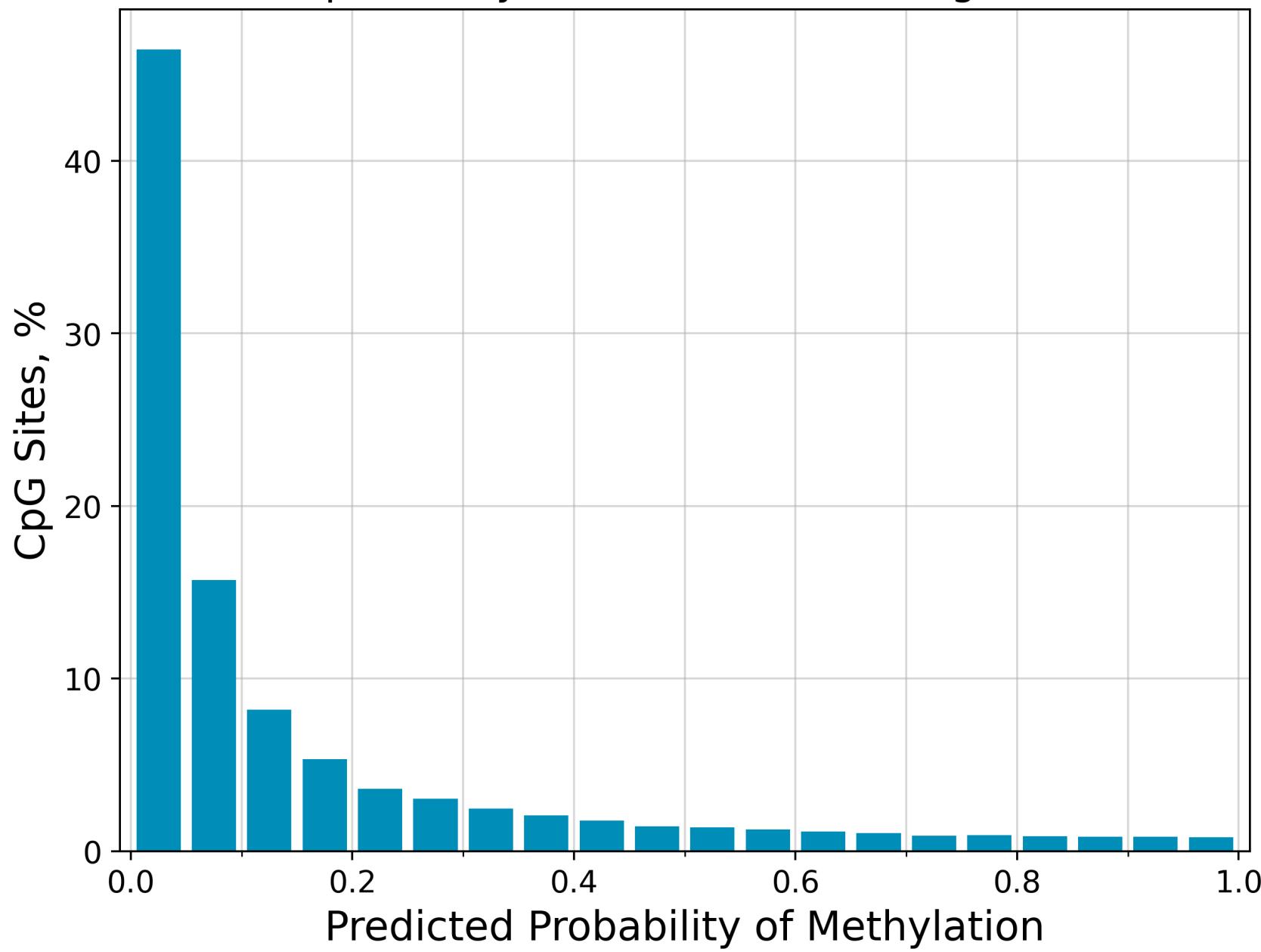
CpG Methylation in Reads

CpG Methylation in Reads



CpG Methylation in Reads (Histogram)

CpG Methylation in Reads (Histogram)



Job 4593

Summary

Job Type	analysis
Pipeline	cromwell.workflows.pb_demux_ccs
Name	Engel 16S_PI2 DEMUX
Comments	Description for job Run Analysis Application
Created At	2024-12-02 08:34:52.529
SMRT Link Version	13.1.0.221970

Other inputs

File Type	Name	Dataset ID	Number of Records
BarcodeSet	Sequel_16S_barcodes_96	ee89d658-4212-3ac6-83e4-c2c3d9f39775	20
ConsensusReadSet	AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2)	1109d2a5-b7de-41ed-be1c-a051c2e66b84	3,711,494

Output files

File name	Size	Type
m84177_241128_121402_s3.hifi_reads.bc1022--bc1044.hifi_reads.fastq.gz	79,751,598	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1059.hifi_reads.fastq.gz	18,524,626	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1044.hifi_reads.fastq.gz	3,494,365	Fastq
m84177_241128_121402_s3.hifi_reads.bc1012--bc1054.hifi_reads.fastq.gz	16,544,801	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1057.hifi_reads.fastq.gz	11,206,476	Fastq
m84177_241128_121402_s3.hifi_reads.bc1024--bc1044.hifi_reads.fastq.gz	438,396	Fastq
m84177_241128_121402_s3.hifi_reads.bc1020--bc1045.hifi_reads.fastq.gz	15,875,706	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1056.hifi_reads.fastq.gz	42,609,060	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1056.hifi_reads.fastq.gz	9,216,817	Fastq
m84177_241128_121402_s3.hifi_reads.bc1012--bc1057.hifi_reads.fastq.gz	24,469,645	Fastq
m84177_241128_121402_s3.hifi_reads.bc1022--bc1054.hifi_reads.fastq.gz	17,117,951	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1035.hifi_reads.fastq.gz	19,301,720	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1059.hifi_reads.fastq.gz	721,551,378	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1054.hifi_reads.fastq.gz	12,396,681	Fastq

m84177_241128_121402_s3.hifi_reads.bc1008--bc1045.hifi_reads.fastq.gz	17,888,155	Fastq
m84177_241128_121402_s3.hifi_reads.bc1022--bc1035.hifi_reads.fastq.gz	2,988,923	Fastq
m84177_241128_121402_s3.hifi_reads.bc1024--bc1033.hifi_reads.fastq.gz	22,581,804	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1044.hifi_reads.fastq.gz	12,403,480	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1054.hifi_reads.fastq.gz	4,475,924	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1033.hifi_reads.fastq.gz	3,732,139	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1057.hifi_reads.fastq.gz	16,667,607	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1054.hifi_reads.fastq.gz	11,211,591	Fastq
m84177_241128_121402_s3.hifi_reads.bc1012--bc1059.hifi_reads.fastq.gz	18,624,882	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1045.hifi_reads.fastq.gz	3,153,838	Fastq
m84177_241128_121402_s3.hifi_reads.bc1024--bc1035.hifi_reads.fastq.gz	1,233,503	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1056.hifi_reads.fastq.gz	7,130,213	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1057.hifi_reads.fastq.gz	10,262,936	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1045.hifi_reads.fastq.gz	26,086,922	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1044.hifi_reads.fastq.gz	7,434,374	Fastq
m84177_241128_121402_s3.hifi_reads.bc1020--bc1044.hifi_reads.fastq.gz	24,552,179	Fastq
m84177_241128_121402_s3.hifi_reads.bc1022--bc1056.hifi_reads.fastq.gz	4,860,905	Fastq
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_3)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-11_1)	33,802	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_9)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_9)	33,799	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_5)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-11_4)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-11_5)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_8)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_7)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (a1-3)	33,799	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_3)	33,796	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_6)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_7)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_4)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_9)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (b2-0)	33,799	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (a3-0)	33,797	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_3)	33,794	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_3)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_2)	33,796	ConsensusReadSet

AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_5)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-11_7)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_4)	33,798	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_10)	33,806	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_2)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_4)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_2)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (a1-0)	33,798	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-11_6)	33,798	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_8)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-11_8)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_4)	33,796	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_5)	33,799	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (b1-3)	33,795	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_8)	33,804	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_8)	33,801	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (b3-0)	33,797	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (a2-3)	33,797	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_2)	33,802	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_6)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_1)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-11_2)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_10)	33,804	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_10)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_6)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-8_1)	33,799	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_1)	33,802	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_5)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-s3)	33,795	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (a2-0)	33,790	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-11_3)	33,802	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_1)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (b1-0)	33,796	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-10_9)	33,802	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_7)	33,803	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (b2-3)	33,797	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (a3-3)	33,797	ConsensusReadSet

AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-s0)	33,790	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-9_7)	33,800	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (1-12_6)	33,804	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (eb-2)	33,794	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (b3-3)	33,796	ConsensusReadSet
AP_16S_PI1_2_Cornejo-Cell2 (AP_16S_PI2) (demux) (all samples)	165,576	ConsensusReadSet
m84177_241128_121402_s3.hifi_reads.bc1022--bc1045.hifi_reads.fastq.gz	11,052,874	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1059.hifi_reads.fastq.gz	8,504,392	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1060.hifi_reads.fastq.gz	12,391,498	Fastq
m84177_241128_121402_s3.hifi_reads.bc1012--bc1035.hifi_reads.fastq.gz	10,887,772	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1033.hifi_reads.fastq.gz	4,439,491	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1060.hifi_reads.fastq.gz	3,946,738	Fastq
All Barcodes (FASTQ)	1,358,132,761	tgz
m84177_241128_121402_s3.hifi_reads.bc1015--bc1035.hifi_reads.fastq.gz	5,424,797	Fastq
m84177_241128_121402_s3.hifi_reads.bc1020--bc1035.hifi_reads.fastq.gz	151,266,962	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1035.hifi_reads.fastq.gz	7,217,598	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1059.hifi_reads.fastq.gz	3,656,993	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1045.hifi_reads.fastq.gz	127,784	Fastq
m84177_241128_121402_s3.hifi_reads.bc1012--bc1056.hifi_reads.fastq.gz	65,057	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1056.hifi_reads.fastq.gz	11,048,162	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1054.hifi_reads.fastq.gz	6,980,497	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1033.hifi_reads.fastq.gz	21,530,101	Fastq
m84177_241128_121402_s3.hifi_reads.bc1022--bc1033.hifi_reads.fastq.gz	4,116,949	Fastq
m84177_241128_121402_s3.hifi_reads.bc1015--bc1062.hifi_reads.fastq.gz	2,755,668	Fastq
m84177_241128_121402_s3.hifi_reads.bc1020--bc1033.hifi_reads.fastq.gz	39,596,762	Fastq
m84177_241128_121402_s3.hifi_reads.bc1020--bc1056.hifi_reads.fastq.gz	25,110,097	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1060.hifi_reads.fastq.gz	3,986,366	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1057.hifi_reads.fastq.gz	25,477,148	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1033.hifi_reads.fastq.gz	5,670,330	Fastq
m84177_241128_121402_s3.hifi_reads.bc1008--bc1062.hifi_reads.fastq.gz	6,339,238	Fastq
m84177_241128_121402_s3.hifi_reads.bc1012--bc1033.hifi_reads.fastq.gz	4,820,644	Fastq
m84177_241128_121402_s3.hifi_reads.bc1012--bc1044.hifi_reads.fastq.gz	4,095,802	Fastq
m84177_241128_121402_s3.hifi_reads.bc1020--bc1054.hifi_reads.fastq.gz	31,611,786	Fastq
m84177_241128_121402_s3.hifi_reads.bc1005--bc1060.hifi_reads.fastq.gz	25,875,338	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1035.hifi_reads.fastq.gz	175,523	Fastq
m84177_241128_121402_s3.hifi_reads.bc1012--bc1045.hifi_reads.fastq.gz	13,001,229	Fastq
m84177_241128_121402_s3.hifi_reads.bc1007--bc1044.hifi_reads.fastq.gz	6,687,142	Fastq

m84177_241128_121402_s3.hifi_reads.bc1007--bc1062.hifi_reads.fastq.gz	12,787,100	Fastq
User-Input Barcoded Samples	1,337	csv
Unbarcoded Reads	350,878,754	bam
Barcode Summary CSV	4,060	csv
m84177_241128_121402_s3.hifi_reads.lima.summary	899	unknown
m84177_241128_121402_s3.hifi_reads.lima.guess	3,664	unknown
ccs_demultiplexed_outputs.datastore.json	91,155	Datastore
per_barcode_reports.datastore.json	44,271	Datastore
Analysis Log	17,384	log
Engel_16S_Plate2_demux.csv	1,337	csv
SMRT Link Log	22,714	log

No child jobs found