

Supplemental Dataset: Nanopore Run Statistics

Isolate Number	yield (Gbp)	# of reads	mean length	median length	mean base quality
1	8.294	1257157	6597.1	7375	7.6
2	6.116	1048031	5835.72	7480	6.84
3	0.479	77390	6187.79	7426	7.84
4	8.239	1548663	5319.84	6086	7.35
5	8.508	1217218	6989.66	7504	7.6
6	3.259	505396	6448.3	7754	6.72
7	0.164	26932	6082.12	7138	7.77
8	3.975	509581	7799.9	8504	7.67
9	8.082	1035735	7803.25	7382	8.27
10	7.724	1009608	7650.62	8334	8.05
11	8.798	1347446	6529.11	8031	6.92
12	13.805	1674043	8246.34	9293	8.49
13	1.165	140662	8278.98	10344	7.12
14	5.92	830408	7128.99	7090	8.44
15	4.197	621459	6753.05	7769	8.41
16	9.192	1246740	7373.18	7874	7.84
17	10.267	1556852	6594.51	7950	7.04
18	9.076	1134570	7999.15	9041	7.64
19	6.208	1047150	5928.37	7812	6.87
20	7.096	920706	7706.61	8725	7.65
21	11.295	1713000	6593.69	7213	7.34
22	6.363	1037059	6135.85	7462	7.22
23	5.434	750022	7244.87	8915	6.94
24	3.927	1155910	3397.65	1363	8.35
25	7.628	1132613	6735.02	7662	7.49
26	8.85	968657	9136.41	10258	8.05
27	11.858	1672521	7089.6	8479	7.92
28	4.087	922094	4431.87	4102	7.27
29	5.349	723311	7395.12	7971	8.02
30	8.583	1128360	7606.85	8350	7.84
31	5.117	650864	7861.43	9641	7
32	4.478	632788	7077.14	7927	7.25
33	5.923	813933	7277.19	9064	6.88
34	7.87	1137405	6919.49	7210	7.58
35	3.907	556051	7026.83	8079	6.9
36	4.853	831661	5835.08	6864	6.39
37	3.678	509408	7219.5	8747	6.77
38	3.848	477177	8064.5	10565	6.66
39	5.628	944401	5959.33	6340	6.72
40	6.137	977279	6279.95	6890	7.41

Supplemental Dataset: Illumina Run Statistics

Isolate Number	Yield (bp)	# of reads	mean length	median length
1	73189038	704430	103.9	76
2	75035866	996368	75.31	76
3	97466000	876404	111.21	76
4	87314517	799918	109.15	76
5	191969186	1758748	109.15	76
6	167757889	1528680	109.74	76
7	142025604	1258692	112.84	85
8	68405758	709964	96.35	76
9	51272506	448484	114.32	143
10	147679034	1395172	105.85	76
11	271473852	2294022	118.34	151
12	121803348	1092120	111.53	76
13	91725973	785506	116.77	150
14	116921911	1038468	112.59	76
15	96724518	888242	108.89	76
16	66088407	668446	98.87	76
17	88485971	775996	114.03	142
18	82855225	857310	96.65	76
19	102426035	1091590	93.83	76
20	181283343	1399544	129.53	151
21	168435381	1525782	110.39	76
22	72585638	768092	94.5	76
23	139415763	1435732	97.1	76
24	167010694	1408158	118.6	151
25	145099819	1261896	114.99	149
26	1162905519	4733052	245.7	301
27	1147954539	4477498	256.38	301
28	1326820865	7121026	186.32	168
29	121145118	1270030	95.39	76
30	89553255	743270	120.49	151
31	138841750	1116386	124.37	151
32	235049943	2001742	117.42	150
33	119647068	1104940	108.28	76
34	75318316	603428	124.82	151
35	139314063	1350424	103.16	76
36	53435264	496334	107.66	76
37	94411304	923498	102.23	76
38	141578108	1156864	122.38	151
39	156093332	1627956	95.88	76
40	53897028	429144	125.59	151

mean base quality
35.05
36.52
35
35.38
34.73
33.5
34.51
35.74
34.55
35.56
33.39
34.52
33.94
34.98
34.42
34.83
35.33
35.68
35.78
35.26
33.66
35.09
35.48
35.44
33.96
30.53
30
31.62
35.21
35.04
34.02
35.37
35.55
35.34
34.19
34.95
34.61
35.53
34.72
33.98

Supplemental Dataset: Raw Nanopore Assembly Statistics				
Isolate Number	# of contigs	n50 (bp)	longest contig (bp)	shortest contig (bp)
1	4	5345918	5345918	50811
2	6	5333434	5333434	34287
3	4	5273185	5273185	8815
4	3	3985336	3985336	38998
5	2	5305648	5305648	143607
6	4	5472794	5472794	56835
7	6	5445103	5445103	18478
8	4	5257134	5257134	29283
9	5	5518371	5518371	37966
10	2	5198744	5198744	220330
11	2	5201156	5201156	202178
12	10	3270806	3270806	22754
13	5	5319848	5319848	30299
14	6	5357061	5357061	46213
15	3	5360808	5360808	73121
16	4	5486236	5486236	55582
17	4	5506760	5506760	51642
18	5	5415662	5415662	33474
19	6	5413946	5413946	23113
20	8	5297228	5297228	31483
21	8	5283730	5283730	33034
22	6	5334448	5334448	23396
23	8	5378379	5378379	41166
24	5	5338906	5338906	20744
25	1	5189390	5189390	5189390
26	3	5368726	5368726	99287
27	4	5351289	5351289	68537
28	3	5450019	5450019	212463
29	6	5406830	5406830	30987
30	4	5448768	5448768	68173
31	5	5215120	5215120	33818
32	3	5194647	5194647	134082
33	6	5257573	5257573	37028
34	4	5224706	5224706	37931
35	4	5347128	5347128	54724
36	4	5416383	5416383	35362
37	5	5392598	5392598	36539
38	3	5087129	5087129	155866
39	2	5260840	5260840	75691
40	3	5207945	5207945	94313

Supplemental Dataset: Polished Nanopore Assembly Statistics

Isolate Number	# of contigs	n50 (bp)	longest contig (bp)
1	4	5387670	5387670
2	6	5379385	5379385
3	4	5312070	5312070
4	3	4016871	4016871
5	2	5351610	5351610
6	4	5517181	5517181
7	6	5487393	5487393
8	4	5301136	5301136
9	5	5556690	5556690
10	2	5241082	5241082
11	2	5251331	5251331
12	10	3292545	3292545
13	5	5358195	5358195
14	6	5398928	5398928
15	3	5402692	5402692
16	4	5528454	5528454
17	4	5559021	5559021
18	5	5459029	5459029
19	6	5454606	5454606
20	8	5341977	5341977
21	8	5333679	5333679
22	6	5378068	5378068
23	8	5424819	5424819
24	5	5378604	5378604
25	1	5231305	5231305
26	3	5415631	5415631
27	4	5398585	5398585
28	3	5503468	5503468
29	6	5449253	5449253
30	4	5489680	5489680
31	5	5258349	5258349
32	3	5241383	5241383
33	6	5304456	5304456
34	4	5264889	5264889
35	4	5387397	5387397
36	4	5455018	5455018
37	5	5437748	5437748
38	3	5124109	5124109
39	2	5299802	5299802
40	3	5249209	5249209

shortest contig (bp)
51205
34533
8820
39226
144501
57263
18478
29284
37975
221896
203995
22770
30497
46689
73702
56080
52243
33474
23120
31568
33044
23401
42158
20751
5231305
99834
69775
214273
30988
68643
34026
135089
37164
38099
54988
35366
36552
156833
76185
95110

Supplemental Dataset: Pilon Assembly Statistics				
Isolate Number	# of contigs	n50 (bp)	longest contig (bp)	shortest contig (bp)
1	4	5381487	5381487	51167
2	6	5364382	5364382	34310
3	4	5311108	5311108	8844
4	3	4014762	4014762	39294
5	2	5356372	5356372	144603
6	4	5515766	5515766	57137
7	6	5503149	5503149	18504
8	4	5293162	5293162	29283
9	5	5535411	5535411	37975
10	2	5241999	5241999	221833
11	2	5252483	5252483	203962
12	10	3294406	3294406	22763
13	5	5359242	5359242	30542
14	6	5397042	5397042	46264
15	3	5402918	5402918	73707
16	4	5519685	5519685	55829
17	4	5553839	5553839	52295
18	5	5453909	5453909	33605
19	6	5451575	5451575	23120
20	8	5347923	5347923	31560
21	8	5327860	5327860	33040
22	6	5372314	5372314	23510
23	8	5427621	5427621	41250
24	5	5378838	5378838	20779
25	1	5232737	5232737	5232737
26	3	5422958	5422958	100080
27	4	5405798	5405798	69800
28	3	5507869	5507869	214529
29	6	5448433	5448433	31138
30	4	5485433	5485433	68562
31	5	5260434	5260434	34043
32	3	5246142	5246142	134808
33	6	5307245	5307245	37210
34	4	5268031	5268031	37940
35	4	5387449	5387449	54983
36	4	5437773	5437773	35369
37	5	5437459	5437459	36689
38	3	5124074	5124074	156818
39	2	5299231	5299231	76148
40	3	5240201	5240201	94835

Supplemental Dataset: Rapid Nanopore Assembly Statistics

Isolate Number	# of contigs	n50 (bp)	longest contig (bp)	shortest contig (bp)
1	6	3279607	3279607	39430
2	10	5316522	5316522	14713
3	5	4527157	4527157	16841
4	3	5368538	5368538	17428
5	2	5293767	5293767	129043
6	5	5455776	5455776	14379
7	8	5431055	5431055	17297
8	4	5237837	5237837	27046
9	6	5484734	5484734	34263
10	2	5172417	5172417	209465
11	2	5192109	5192109	198529
12	6	5350919	5350919	26469
13	5	5297830	5297830	33964
14	8	5339196	5339196	21363
15	5	5331989	5331989	9743
16	4	5477999	5477999	36255
17	12	2025764	2123455	2453
18	4	5411221	5411221	51750
19	6	5394690	5394690	16798
20	7	5284029	5284029	23318
21	7	5500581	5500581	29080
22	4	5311389	5311389	24974
23	7	5369624	5369624	30029
25	1	5176691	5176691	5176691
26	3	5322531	5322531	41651
28	5	5442403	5442403	4430
29	8	4425498	4425498	29802
30	5	5440840	5440840	13982
31	5	5192492	5192492	33746
32	4	5162118	5162118	54490
33	4	5236343	5236343	49389
34	2	5210236	5210236	233404
35	3	5325108	5325108	144054
36	4	5380945	5380945	34240
37	5	5373953	5373953	23643
38	3	5068471	5068471	143600
39	2	5239676	5239676	97726
40	3	4418684	4418684	304407