

**Supplementary Table 1.** The proportion of sequencing data yield of each barcode within each flow cell

Pooling strategy	Flow cell ID	BC01	BC02	BC03	BC04	BC05	BC07	BC08	BC09	BC10	BC11	Mis-assigned reads	Non-assigned reads
3 isolates	FC01	29.36%	34.95%	27.85%	-	-	-	-	-	-	-	0.03%	7.82%
	FC02	21.89%	38.82%	31.34%	-	-	-	-	-	-	-	0.03%	7.92%
	FC03	23.74%	32.10%	33.92%	-	-	-	-	-	-	-	0.04%	10.20%
	FC04	38.65%	27.02%	25.93%	-	-	-	-	-	-	-	0.03%	8.37%
	FC05	37.69%	32.90%	20.61%	-	-	-	-	-	-	-	0.03%	8.77%
4 isolates	FC06	24.86%	27.02%	10.85%	29.31%	-	-	-	-	-	-	0.03%	7.93%
	FC07	27.00%	22.48%	19.38%	23.29%	-	-	-	-	-	-	0.03%	7.82%
	FC08	25.38%	21.89%	19.98%	24.77%	-	-	-	-	-	-	0.03%	7.95%
	FC09	21.06%	27.26%	23.02%	20.84%	-	-	-	-	-	-	0.03%	7.79%
	FC10	19.94%	21.04%	23.76%	27.95%	-	-	-	-	-	-	0.03%	7.27%
5 isolates	FC11	15.07%	21.60%	13.08%	15.42%	23.75%	-	-	-	-	-	0.04%	11.03%
	FC12	15.94%	21.16%	12.98%	17.41%	23.64%	-	-	-	-	-	0.04%	8.84%
	FC13	17.22%	19.87%	13.56%	16.98%	22.51%	-	-	-	-	-	0.04%	9.82%
	FC14	18.67%	24.83%	17.54%	22.37%	9.03%	-	-	-	-	-	0.03%	7.54%
	FC15	15.36%	23.67%	13.70%	16.20%	22.15%	-	-	-	-	-	0.03%	8.88%
7 isolates	FC16	14.77%	15.76%	13.40%	17.04%	14.86%	4.32%	12.80%	-	-	-	0.03%	7.02%
	FC17	14.21%	15.52%	12.68%	18.98%	16.45%	3.81%	11.04%	-	-	-	0.02%	7.29%
	FC18	14.45%	18.30%	8.89%	20.24%	15.92%	5.70%	9.25%	-	-	-	0.02%	7.23%
	FC19	14.58%	18.47%	6.45%	21.63%	13.87%	3.16%	14.16%	-	-	-	0.03%	7.65%
	FC20	27.24%	14.09%	9.40%	15.50%	12.47%	4.25%	10.19%	-	-	-	0.02%	6.84%
10 isolates	FC21	6.41%	11.56%	9.64%	14.78%	7.00%	8.98%	10.44%	6.90%	5.03%	11.29%	0.01%	7.95%
	FC22	5.95%	13.09%	7.24%	16.72%	2.11%	10.97%	8.26%	8.71%	5.75%	13.48%	0.01%	7.69%
	FC23	9.97%	11.23%	11.24%	14.07%	6.49%	8.81%	10.42%	6.52%	5.45%	8.12%	0.02%	7.66%
	FC24	10.16%	11.46%	8.45%	17.46%	10.19%	10.66%	4.36%	4.33%	3.88%	12.21%	0.01%	6.83%
	FC25	9.66%	12.63%	11.52%	15.22%	8.74%	7.51%	7.48%	6.58%	3.81%	10.37%	0.01%	6.47%