

Table S1. Quality statistics of filtered reads

Sample	Total Raw Reads (M)	Total Clean Reads (M)	Total Clean Bases (Gb)	Clean Reads Q20 (%)	Clean Reads Q30 (%)	Clean Reads Ratio (%)
SHAM-1	23.59	22.04	6.61	97.25	91.35	93.43
SHAM-2	23.59	21.93	6.58	97.28	91.47	92.96
SHAM-3	23.59	22.08	6.62	97.37	91.69	93.60
SHAM-4	24.47	22.72	6.82	97.30	91.54	92.85
SHAM-5	23.59	22.02	6.61	97.20	91.31	93.34
SHAM-6	23.59	22.17	6.65	97.30	91.53	93.98
CLP-1	25.34	22.50	6.75	97.84	92.81	88.79
CLP-2	24.47	22.51	6.75	96.93	90.37	91.99
CLP-3	24.47	22.61	6.78	97.38	91.75	92.40
CLP-4	23.59	22.25	6.68	97.46	92.04	94.32
CLP-5	23.59	22.10	6.63	97.23	91.48	93.68
CLP-6	23.59	22.32	6.70	97.67	92.69	94.62
MP-0.1+SHAM-1	24.47	22.24	6.67	97.70	92.31	90.89
MP-0.1+SHAM-2	24.47	22.25	6.67	97.83	92.72	90.93
MP-0.1+SHAM-3	24.47	22.36	6.71	97.84	92.72	91.38
MP-0.1+SHAM-4	24.47	22.27	6.68	97.85	92.76	91.01
MP-0.1+SHAM-5	24.47	22.49	6.75	97.11	90.94	91.91
MP-0.1+SHAM-6	24.47	22.74	6.82	97.16	91.12	92.93
MP-0.1+CLP-1	24.47	21.98	6.59	98.14	93.75	89.82
MP-0.1+CLP-2	25.34	22.70	6.81	97.87	92.85	89.58
MP-0.1+CLP-3	26.21	22.16	6.65	98.05	93.48	84.55
MP-0.1+CLP-4	23.59	22.23	6.67	97.98	93.21	94.23
MP-0.1+CLP-5	26.21	22.03	6.61	98.00	93.33	84.05
MP-0.1+CLP-6	23.59	22.34	6.70	97.52	91.72	94.70