

**Table S3. Details of generated metagenomic reads in the stool from control subjects and CRC patients (n = 30 per group)**

Sample id	Adaptor(%)	Low quality(%)	Host(%)	Clean reads(#)	Clean bases(bp)	Data use rate(%)
A1	0.07%	4.90%	0.80%	1.84E+07	5.53E+09	94.24%
A2	0.12%	5.40%	15.96%	1.90E+07	5.72E+09	78.53%
A3	0.09%	6.46%	6.64%	1.58E+07	4.77E+09	86.81%
A4	0.21%	5.93%	41.11%	9.43E+06	2.84E+09	52.74%
A5	0.10%	5.54%	0.66%	1.69E+07	5.09E+09	93.70%
A6	0.43%	5.64%	79.01%	3.21E+06	9.63E+08	14.91%
A7	0.07%	5.47%	0.06%	1.69E+07	5.10E+09	94.40%
A8	0.06%	5.15%	7.37%	1.65E+07	4.96E+09	87.42%
A9	0.10%	4.98%	0.07%	1.85E+07	5.56E+09	94.85%
A10	0.25%	5.99%	0.05%	1.68E+07	5.05E+09	93.70%
A11	0.06%	5.86%	0.31%	1.95E+07	5.86E+09	93.77%
A12	0.12%	6.56%	7.23%	1.60E+07	4.81E+09	86.09%
A13	0.15%	4.51%	0.04%	1.82E+07	5.49E+09	95.30%
A14	0.08%	5.30%	0.16%	1.67E+07	5.04E+09	94.46%
A15	0.13%	5.87%	0.15%	1.63E+07	4.92E+09	93.85%
A16	0.11%	5.93%	0.02%	1.94E+07	5.84E+09	93.94%
A17	0.13%	5.31%	0.05%	2.01E+07	6.06E+09	94.51%
A18	0.86%	2.56%	0.13%	4.17E+07	6.26E+09	96.44%
A19	0.06%	5.03%	0.12%	1.66E+07	5.01E+09	94.80%
A20	0.13%	5.31%	6.32%	1.48E+07	4.46E+09	88.24%
A21	0.17%	8.98%	42.85%	1.79E+07	5.38E+09	47.99%
A22	0.05%	7.07%	44.97%	1.67E+07	5.05E+09	47.91%
A23	0.10%	5.26%	5.16%	1.69E+07	5.09E+09	89.48%
A24	0.14%	5.35%	0.07%	1.61E+07	4.85E+09	94.45%
A25	0.16%	10.40%	41.64%	1.77E+07	5.33E+09	47.79%
A26	0.09%	4.86%	0.13%	1.75E+07	5.27E+09	94.92%
A27	0.18%	7.44%	44.19%	1.76E+07	5.29E+09	48.19%
A28	0.04%	2.27%	6.38%	1.64E+07	4.95E+09	91.32%
A29	0.07%	4.07%	0.11%	1.71E+07	5.17E+09	95.75%
A30	0.07%	5.13%	0.90%	1.65E+07	4.98E+09	93.89%
B1	0.27%	5.21%	0.02%	1.96E+07	5.91E+09	94.50%
B2	0.04%	4.01%	0.07%	4.12E+07	6.22E+09	95.88%
B3	0.24%	4.23%	0.04%	2.14E+07	6.44E+09	95.49%
B4	0.10%	3.25%	0.02%	1.85E+07	5.57E+09	96.64%
B5	0.08%	3.84%	0.01%	1.80E+07	5.41E+09	96.07%
B6	0.49%	2.82%	0.03%	5.53E+07	8.33E+09	96.66%
B7	0.08%	4.09%	0.00%	1.79E+07	5.41E+09	95.83%

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B8	0.23%	3.95%	0.02%	1.70E+07	5.11E+09	95.80%
B9	0.10%	3.94%	0.01%	1.65E+07	4.96E+09	95.95%
B10	0.16%	4.04%	0.01%	2.10E+07	6.34E+09	95.79%
B11	0.36%	31.89%	17.90%	1.90E+07	5.73E+09	49.85%
B12	0.15%	4.41%	0.02%	2.02E+07	6.08E+09	95.41%
B13	0.11%	4.39%	0.01%	1.64E+07	4.96E+09	95.49%
B14	0.09%	3.53%	0.00%	2.08E+07	6.26E+09	96.37%
B15	0.11%	2.98%	0.06%	2.06E+07	6.22E+09	96.85%
B16	0.08%	3.03%	0.11%	2.43E+07	7.33E+09	96.77%
B17	0.13%	2.72%	0.09%	2.71E+07	8.16E+09	97.06%
B18	0.14%	2.80%	0.07%	2.05E+07	6.17E+09	97.00%
B19	0.19%	2.96%	0.07%	2.25E+07	6.77E+09	96.78%
B20	0.24%	2.91%	0.06%	1.74E+07	5.23E+09	96.79%
B21	0.15%	3.04%	0.32%	1.86E+07	5.62E+09	96.50%
B22	0.12%	2.98%	0.13%	2.04E+07	6.14E+09	96.77%
B23	0.17%	3.18%	0.31%	1.76E+07	5.31E+09	96.34%
B24	0.13%	3.62%	0.14%	1.91E+07	5.75E+09	96.11%
B25	0.05%	3.58%	0.16%	2.27E+07	6.84E+09	96.21%
B26	0.10%	3.06%	0.76%	2.14E+07	6.45E+09	96.08%
B27	0.11%	3.02%	0.29%	2.10E+07	6.33E+09	96.57%
B28	0.12%	2.78%	0.26%	1.83E+07	5.52E+09	96.84%
B29	0.09%	3.87%	0.17%	1.75E+07	5.27E+09	95.87%
B30	0.11%	3.51%	0.31%	1.75E+07	5.27E+09	96.08%

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