

Sample	Total Reads	Mapped Reads	Unique Reads	On-Target Reads	Study Code	Additional Data	16S Read Count	mWGS Mapped Reads
CAST_L_T2_P1V2	3,538,249	3,463,218	3,008,160	2,477,332	CCF	mWGS		1,199,883
CAST_L_T2_P1V4	4,128,629	4,075,711	3,620,097	3,024,607	CCF	mWGS		1,199,883
B6J_2R1L_T2_P1V4	3,217,182	3,197,107	3,090,703	2,785,420	CCF	mWGS		1,592,601
B6J_2R_T1_P2V2	3,238,300	3,215,252	3,194,358	2,691,469	CCF	mWGS		1,263,735
B6J_2R_T1_P2V4	4,828,407	4,803,106	4,512,015	4,128,341	CCF	mWGS		1,263,735
B6J_2R1L_T1_P2V2	3,315,661	3,295,397	3,279,764	2,646,630	CCF	mWGS		2,180,489
B6J_2R1L_T1_P2V4	5,293,350	5,274,505	4,945,763	4,404,780	CCF	mWGS		2,180,489
B6J_2R1L_T2_P1V2	2,743,736	2,710,214	2,601,317	2,263,225	CCF	mWGS		1,592,601
B6J_3R_T1_P2V2	4,502,696	4,482,995	4,465,147	3,864,584	CCF	mWGS		2,078,380
B6J_3R_T1_P2V4	5,413,147	5,394,310	5,196,451	4,751,589	CCF	mWGS		2,078,380
B6J_3R_T5_P2V2	6,068,907	6,040,429	6,012,853	4,848,411	CCF	mWGS		2,557,725
B6J_3R_T5_P2V4	4,799,462	4,779,150	4,547,947	4,093,635	CCF	mWGS		2,557,725
B6J_B_T1_P2V2	2,654,000	2,601,851	2,554,927	2,108,249	CCF	mWGS		1,118,157
B6J_B_T1_P2V4	2,517,711	2,474,516	2,267,359	2,065,729	CCF	mWGS		1,118,157
B6J_L_T5_P2V2	4,754,565	4,738,546	4,712,663	3,866,190	CCF	mWGS		2,077,001
B6J_L_T5_P2V4	6,121,807	6,101,981	5,967,043	5,473,721	CCF	mWGS		2,077,001
B6J_R_T5_P2V2	2,489,055	2,478,987	2,470,029	2,024,308	CCF	mWGS		1,659,624
B6J_R_T5_P2V4	2,536,981	2,527,998	2,442,305	2,258,105	CCF	mWGS		1,659,624
CAST_2B_T1_P2V2	2,685,061	2,675,958	2,443,281	2,065,797	CCF	mWGS		2,255,415
CAST_2B_T1_P2V4	2,262,321	2,256,367	2,103,224	1,894,700	CCF	mWGS		2,255,415
CAST_2B_T5_P2V2	2,232,947	2,204,574	2,179,982	1,747,576	CCF	mWGS		2,884,361
CAST_2B_T5_P2V4	2,612,646	2,577,040	2,356,541	2,100,283	CCF	mWGS		2,884,361
CAST_2R1L_T1_P2V2	2,212,683	2,204,409	2,010,907	1,676,857	CCF	mWGS		1,796,698
CAST_2R1L_T1_P2V4	2,276,619	2,269,419	2,106,040	1,883,781	CCF	mWGS		1,796,698
CAST_2R1L_T2_P1V2	1,871,238	1,837,168	1,643,881	1,381,962	CCF	mWGS		1,624,570
CAST_2R1L_T2_P1V4	2,643,994	2,594,733	2,328,648	2,030,119	CCF	mWGS		1,624,570
CAST_2R1L_T5_P2V2	4,923,573	4,888,381	4,855,811	4,041,822	CCF	mWGS		1,485,578
CAST_2R1L_T5_P2V4	4,967,176	4,938,501	4,773,656	4,387,351	CCF	mWGS		1,485,578
CAST_3R_T5_P2V2	4,483,502	4,469,945	4,456,047	3,710,694	CCF	mWGS		1,963,198
CAST_3R_T5_P2V4	4,933,032	4,920,595	4,756,506	4,355,956	CCF	mWGS		1,963,198
CAST_B_T2_P1V2	3,029,171	3,007,803	2,629,445	2,162,203	CCF	mWGS		1,698,096
CAST_B_T2_P1V4	3,920,378	3,901,545	3,477,083	2,880,738	CCF	mWGS		1,698,096
CAST_B_T5_P2V2	2,742,127	2,730,979	2,720,707	2,227,446	CCF	mWGS		1,556,930
CAST_B_T5_P2V4	3,297,866	3,286,678	3,161,407	2,874,609	CCF	mWGS		1,556,930
CAST_L_T1_P2V2	2,572,514	2,552,764	2,406,680	2,033,586	CCF	mWGS		1,934,741
CAST_L_T1_P2V4	3,655,883	3,635,047	3,414,573	3,168,668	CCF	mWGS		1,934,741
CAST_N_T2_P1V2	1,643,600	1,624,265	1,454,447	1,196,743	CCF	mWGS		1,355,359
CAST_N_T2_P1V4	1,625,977	1,614,315	1,446,293	1,229,234	CCF	mWGS		1,355,359
CAST_N_T3_P2V2	3,008,736	2,994,015	2,979,353	2,388,688	CCF	mWGS		2,467,263
CAST_N_T3_P2V4	3,635,261	3,625,577	3,402,188	3,150,852	CCF	mWGS		2,467,263
CAST_R_T2_P1V2	2,060,652	2,044,533	1,790,501	1,481,878	CCF	mWGS		1,347,724
CAST_R_T2_P1V4	2,568,781	2,559,562	2,263,056	1,867,295	CCF	mWGS		1,347,724
CAST_R_T3_P2V2	3,074,781	3,060,900	2,875,804	2,400,294	CCF	mWGS		2,072,473
CAST_R_T3_P2V4	4,651,224	4,640,804	4,363,023	4,062,138	CCF	mWGS		2,072,473
CAST_R_T5_P2V2	1,552,076	1,542,807	1,534,954	1,245,932	CCF	mWGS		1,257,428
CAST_R_T5_P2V4	1,947,227	1,936,456	1,757,833	1,589,676	CCF	mWGS		1,257,428
PWK_2B_T1_P2V2	6,850,903	6,828,059	6,808,405	5,184,298	CCF	mWGS		1,680,050
PWK_2B_T1_P2V4	4,700,651	4,690,531	4,235,591	3,694,563	CCF	mWGS		1,680,050
PWK_2B_T3_P1V2	2,946,148	2,921,976	2,623,498	2,175,342	CCF	mWGS		1,401,587
PWK_2B_T3_P1V4	1,541,417	1,533,867	1,387,641	1,185,499	CCF	mWGS		1,401,587
PWK_2L_T1_P2V2	6,143,597	6,115,516	6,087,952	4,607,130	CCF	mWGS		1,120,223
PWK_2L_T1_P2V4	5,876,098	5,858,957	5,338,608	4,650,757	CCF	mWGS		1,120,223
PWK_2L_T3_P1V2	3,363,235	3,339,469	2,914,381	2,401,261	CCF	mWGS		1,140,268

PWK_2L_T3_P1V4	3,178,803	3,168,314	2,810,951	2,321,714	CCF	mWGS		1,140,268
PWK_2L_T4_P2V2	6,687,291	6,655,413	6,617,380	4,895,269	CCF	mWGS		2,231,733
PWK_2L_T4_P2V4	9,323,632	9,291,667	8,348,123	7,162,830	CCF	mWGS		2,231,733
PWK_2R_T1_P2V2	3,761,962	3,752,641	3,741,317	2,766,857	CCF	mWGS		1,409,132
PWK_2R_T1_P2V4	3,024,843	3,020,862	2,727,360	2,343,432	CCF	mWGS		1,409,132
PWK_2R_T3_P2V2	3,857,441	3,846,854	3,374,060	2,730,550	CCF	mWGS		1,219,049
PWK_2R_T3_P2V4	2,416,171	2,412,314	2,151,524	1,811,880	CCF	mWGS		1,219,049
PWK_2R_T4_P2V2	3,486,917	3,476,494	3,462,740	2,508,432	CCF	mWGS		1,954,048
PWK_2R_T4_P2V4	3,768,274	3,762,253	3,345,506	2,801,000	CCF	mWGS		1,954,048
PWK_3R_T3_P2V2	2,079,710	2,050,161	1,856,245	1,554,683	CCF	mWGS		1,191,034
PWK_3R_T3_P2V4	1,674,525	1,659,813	1,539,458	1,387,075	CCF	mWGS		1,191,034
PWK_B_T1_P2V2	4,170,890	4,157,567	4,141,318	3,023,607	CCF	mWGS		1,389,340
PWK_B_T1_P2V4	3,583,695	3,577,614	3,212,885	2,725,886	CCF	mWGS		1,389,340
PWK_B_T4_P2V2	2,532,095	2,522,780	2,511,074	1,842,649	CCF	mWGS		1,619,583
PWK_B_T4_P2V4	1,737,479	1,733,473	1,557,251	1,330,146	CCF	mWGS		1,619,583
PWK_L_T3_P1V2	3,533,600	3,505,220	3,083,149	2,551,442	CCF	mWGS		1,275,775
PWK_L_T3_P1V4	3,650,460	3,623,743	3,271,737	2,798,992	CCF	mWGS		1,275,775
PWK_L_T4_P2V2	3,386,912	3,371,982	3,357,096	2,452,558	CCF	mWGS		4,415,351
PWK_L_T4_P2V4	4,140,186	4,128,183	3,649,367	3,111,291	CCF	mWGS		4,415,351
PWK_N_T1_P2V2	3,001,569	2,990,940	2,982,462	2,286,341	CCF	mWGS		1,671,759
PWK_N_T1_P2V4	3,795,097	3,788,493	3,457,924	3,016,068	CCF	mWGS		1,671,759
PWK_N_T3_P2V2	2,756,754	2,745,369	2,467,976	2,010,716	CCF	mWGS		1,149,129
PWK_N_T3_P2V4	2,769,496	2,763,170	2,504,229	2,166,767	CCF	mWGS		1,149,129
PWK_N_T4_P2V2	2,300,009	2,292,741	2,285,772	1,729,093	CCF	mWGS		2,667,835
PWK_N_T4_P2V4	3,181,120	3,177,884	2,886,321	2,511,758	CCF	mWGS		2,667,835
PWK_R_T1_P2V2	2,843,593	2,831,716	2,818,433	2,226,897	CCF	mWGS		1,664,158
PWK_R_T1_P2V4	3,136,832	3,127,395	2,946,925	2,636,437	CCF	mWGS		1,664,158
4M7_TD_P1V2	3,070,474	3,036,359	2,812,515	2,329,458	HLB	mWGS, 16S	13,843	14,536,240
4M7_TD_P1V4	4,217,339	4,158,973	3,777,222	3,369,637	HLB	mWGS, 16S	13,843	14,536,240
BF2_TD_P1V2	3,786,113	3,753,536	3,232,204	2,647,525	HLB	mWGS, 16S	17,306	17,562,416
BF2_TD_P1V4	3,703,215	3,679,057	3,203,312	2,877,310	HLB	mWGS, 16S	17,306	17,562,416
BF4_3D_P1V2	4,926,938	4,867,156	4,231,938	3,456,253	HLB	mWGS, 16S	23,858	20,657,550
BF4_3D_P1V4	7,419,491	7,325,177	6,303,220	5,578,788	HLB	mWGS, 16S	23,858	20,657,550
BM3_3D_P1V2	3,763,740	3,704,633	3,253,850	2,687,844	HLB	mWGS, 16S	18,739	16,036,400
BM3_3D_P1V4	2,540,999	2,485,541	2,162,079	1,921,752	HLB	mWGS, 16S	18,739	16,036,400
BF1_3D_P1V4	11,817,206	11,609,732	9,594,628	8,493,872	HLB	mWGS, 16S	19,112	16,128,555
4F6_3D_P1V2	2,279,215	2,262,079	2,087,399	1,741,066	HLB	mWGS, 16S	20,726	11,977,157
4F6_3D_P1V4	2,923,298	2,900,381	2,605,545	2,256,145	HLB	mWGS, 16S	20,726	11,977,157
4F7_OD_P1V2	4,108,993	4,050,220	3,887,878	3,260,226	HLB	mWGS, 16S	20,538	14,813,704
4F7_OD_P1V4	4,842,696	4,739,134	4,414,955	3,881,842	HLB	mWGS, 16S	20,538	14,813,704
4F7_TD_P1V2	2,749,784	2,717,855	2,499,177	2,065,976	HLB	mWGS, 16S	17,344	21,087,960
4F7_TD_P1V4	3,135,735	3,095,312	2,765,724	2,441,845	HLB	mWGS, 16S	17,344	21,087,960
4F8_OD_P1V2	3,680,925	3,647,783	3,565,836	2,992,261	HLB	mWGS, 16S	25,643	26,843,938
4F8_OD_P1V4	4,095,909	4,026,164	3,832,913	3,375,260	HLB	mWGS, 16S	25,643	26,843,938
4M1_OD_P1V2	2,988,400	2,912,627	2,777,891	2,335,125	HLB	mWGS, 16S	19,016	20,210,235
4M1_OD_P1V4	3,362,849	3,249,859	3,047,950	2,684,084	HLB	mWGS, 16S	19,016	20,210,235
4M1_TD_P1V2	1,886,222	1,842,969	1,694,802	1,386,882	HLB	mWGS, 16S	19,134	15,466,619
4M1_TD_P1V4	2,329,992	2,269,364	2,062,076	1,785,659	HLB	mWGS, 16S	19,134	15,466,619
4M3_OD_P1V2	2,243,817	2,179,653	2,029,830	1,682,699	HLB	mWGS, 16S	20,114	20,631,558
4M3_OD_P1V4	3,391,841	3,249,050	2,953,131	2,542,524	HLB	mWGS, 16S	20,114	20,631,558
4M3_TD_P1V2	1,941,052	1,905,829	1,780,845	1,500,845	HLB	mWGS, 16S	N/A	12,800,828
4M3_TD_P1V4	2,734,471	2,670,658	2,474,377	2,204,178	HLB	mWGS, 16S	N/A	12,800,828
4M5_OD_P1V2	2,885,483	2,845,952	2,737,956	2,258,034	HLB	mWGS, 16S	17,908	9,206,898
4M5_OD_P1V4	6,109,395	5,955,736	5,510,834	4,924,147	HLB	mWGS, 16S	17,908	9,206,898
4M6_OD_P1V2	3,282,804	3,260,945	3,113,238	2,608,554	HLB	mWGS, 16S	16,261	11,791,275
4M6_OD_P1V4	4,735,775	4,675,061	4,296,485	3,875,883	HLB	mWGS, 16S	16,261	11,791,275

4M6_TD_P1V2	2,056,491	2,039,847	1,896,313	1,568,065	HLB	mWGS, 16S	14,840	12,270,221
4M6_TD_P1V4	4,001,805	3,963,407	3,640,111	3,217,749	HLB	mWGS, 16S	14,840	12,270,221
4M7_OD_P1V2	2,899,401	2,873,617	2,741,280	2,282,043	HLB	mWGS, 16S	14,413	12,370,629
4M7_OD_P1V4	5,252,191	5,148,391	4,683,041	4,196,176	HLB	mWGS, 16S	14,413	12,370,629
4M7_3D_P1V2	332,738	327,480	298,705	250,132	HLB	mWGS, 16S	21,708	12,816,146
4M7_3D_P1V4	3,104,676	3,052,663	2,754,386	2,432,690	HLB	mWGS, 16S	21,708	12,816,146
BF1_3D_P1V2	4,349,421	4,290,670	3,608,813	2,918,302	HLB	mWGS, 16S	19,112	16,128,555
BF1_TD_P1V2	4,349,084	4,301,643	3,718,700	3,077,284	HLB	mWGS, 16S	15,258	19,063,564
BF1_TD_P1V4	10,818,241	10,725,494	9,395,150	8,412,329	HLB	mWGS, 16S	15,258	19,063,564
BF2_OD_P1V2	1,036,862	1,022,884	990,237	822,017	HLB	mWGS, 16S	16,350	16,094,974
BF2_OD_P1V4	2,887,509	2,833,867	2,716,200	2,459,640	HLB	mWGS, 16S	16,350	16,094,974
BF2_3D_P1V2	4,463,930	4,408,625	3,922,982	3,187,687	HLB	mWGS, 16S	20,352	16,996,156
BF2_3D_P1V4	5,144,660	5,080,285	4,468,054	3,948,631	HLB	mWGS, 16S	20,352	16,996,156
BF3_OD_P1V2	1,076,265	1,059,622	1,009,364	839,454	HLB	mWGS, 16S	14,604	4,173,812
BF3_OD_P1V4	1,480,319	1,452,153	1,378,522	1,250,574	HLB	mWGS, 16S	14,604	4,173,812
BF3_TD_P1V2	3,886,155	3,835,072	3,230,264	2,617,684	HLB	mWGS, 16S	19,094	22,040,550
BF3_TD_P1V4	6,609,591	6,554,349	5,651,804	5,047,968	HLB	mWGS, 16S	19,094	22,040,550
BM1_OD_P1V2	405,147	398,951	384,314	319,025	HLB	mWGS, 16S	20,775	2,145,125
BM1_OD_P1V4	908,874	894,866	857,860	777,637	HLB	mWGS, 16S	20,775	2,145,125
BM1_3D_P1V2	3,959,852	3,932,255	3,631,267	3,087,740	HLB	mWGS, 16S	21,829	17,036,259
BM1_3D_P1V4	3,554,852	3,524,837	3,263,947	2,924,582	HLB	mWGS, 16S	21,829	17,036,259
BM1_TD_P1V2	3,780,907	3,724,486	3,290,011	2,705,698	HLB	mWGS, 16S	20,138	16,170,189
BM1_TD_P1V4	5,595,070	5,493,890	4,848,802	4,314,952	HLB	mWGS, 16S	20,138	16,170,189
BM2_OD_P1V2	470,614	461,780	442,711	368,151	HLB	mWGS, 16S	18,099	380,675
BM2_OD_P1V4	601,847	581,695	544,661	494,357	HLB	mWGS, 16S	18,099	380,675
BM2_TD_P1V2	6,646,497	6,566,074	5,777,723	4,772,685	HLB	mWGS, 16S	21,880	19,304,612
BM2_TD_P1V4	7,952,150	7,843,074	6,941,847	6,218,731	HLB	mWGS, 16S	21,880	19,304,612
BM3_OD_P1V2	8,031,520	7,912,289	7,497,222	6,158,660	HLB	mWGS, 16S	20,054	18,817,236
BM3_OD_P1V4	8,541,347	8,443,523	7,974,767	7,187,515	HLB	mWGS, 16S	20,054	18,817,236
A_2_F01A_P2V4	3,391,647	3,382,935	3,311,152	3,005,214	VNDR	16S	15,441	
A_1_M46A_P2V2	2,161,998	2,134,107	1,945,192	1,635,696	VNDR	16S	22,385	
A_1_M46A_P2V4	2,736,372	2,706,418	2,424,260	2,128,711	VNDR	16S	22,385	
A_2_F01A_P2V2	1,989,779	1,983,378	1,924,039	1,609,975	VNDR	16S	15,441	
B_3_M51B_P2V2	2,973,987	2,961,913	2,753,108	2,462,391	VNDR	16S	19,170	
B_3_M51B_P2V4	4,285,064	4,274,413	4,038,946	3,797,165	VNDR	16S	19,170	
Ecoli_P1V2	2,735,448	2,732,889	2,157,203	2,086,420	This study			
ecoli_P2V2	5,526,780	5,521,930	4,417,647	4,257,598	This study			
ecoli_P1V4	4,063,753	4,058,214	2,420,869	1,924,636	This study			
ecoli_P2V4	6,183,444	6,178,204	3,833,500	3,103,533	This study			
human_stool_P1V2	328,929	324,202	289,074	260,278	This study			
human_stool_P2V2	277,616	273,845	243,484	218,040	This study			
human_stool_P1V4	452,413	450,956	380,204	352,381	This study			
human_stool_P2V4	576,879	575,295	484,286	452,870	This study			
zymo_mock_P1V2	1,506,453	1,502,222	1,277,278	1,179,509	This study			
zymo_mock_P2V2	1,324,645	1,321,668	1,131,085	1,039,500	This study			
zymo_mock_P1V4	848,994	846,842	564,505	464,554	This study			
zymo_mock_P2V4	1,809,909	1,806,699	1,228,518	1,019,616	This study			
NTC_CCF_VNDR_KOMP_P2V2	747	745	632	473	This study			
NTC_CCF_VNDR_KOMP_P2V4	3,649	3,648	3,648	3,545	This study			
NTC_HL44_P1V2	592	572	533	468	This study			
NTC_HL44_P1V4	3,416	3,403	3,391	3,178	This study			