

**Supplementary Table 4. Frequency that each bacterial phylum was sequenced before and after 2006.**

Phylum	<2006 and Before	After 2006	Total	Ratio of Ratios
Firmicutes	26999	444304	471303	1.18
Proteobacteria	33952	372071	406023	0.79
Actinobacteria	9297	209241	218538	1.62
Bacteroidetes	12980	149037	162017	0.82
Chloroflexi	877	21998	22875	1.8
Cyanobacteria	1395	15910	17305	0.82
Acidobacteria	1090	14629	15719	0.96
Planctomycetes	748	14384	15132	1.38
Spirochaetae	1268	10166	11434	0.58
Fusobacteria	373	9051	9424	1.74
Verrucomicrobia	511	7876	8387	1.11
Euryarchaeota	586	5321	5907	0.65
Tenericutes	1087	4513	5600	0.3
Lentisphaerae	117	3442	3559	2.11
Nitrospirae	309	2618	2927	0.61
Gemmatimonadetes	167	2685	2852	1.15
Saccharibacteria	109	2423	2532	1.6
Atribacteria	36	2488	2524	4.96
Fibrobacteres	95	2375	2470	1.79
Deinococcus-Thermus	355	1770	2125	0.36
Synergistetes	118	1692	1810	1.03
Aminicenantetes	36	1700	1736	3.39
Deferribacteres	58	1468	1526	1.82
Chlorobi	148	1264	1412	0.61
Armatimonadetes	90	1292	1382	1.03
Marinimicrobia (SAR406 clade)	55	1254	1309	1.64
Parcubacteria	106	1139	1245	0.77
Kazan-3B-09	7	1214	1221	12.45
Gracilibacteria	33	1081	1114	2.35
Latescibacteria	46	943	989	1.47
Hydrogenedentes	32	894	926	2.01
Aquificae	579	311	890	0.04
Thermotogae	114	678	792	0.43
TM6	40	749	789	1.34
Microgenomates	130	626	756	0.35
Chlamydiae	168	552	720	0.24
Omnitrophica	15	582	597	2.79
TA06	25	538	563	1.54
OP3	35	523	558	1.07
Cloacimonetes	132	320	452	0.17
Elusimicrobia	61	388	449	0.46
Acetothermia	18	279	297	1.11
Aerophobetes	16	252	268	1.13
Caldiserica	15	228	243	1.09
Hyd24-12	8	227	235	2.04
WS6	31	203	234	0.47
SR1	3	175	178	4.19
PAUC34f	6	164	170	1.96
SHA-109	7	163	170	1.67
WD272	14	124	138	0.64
Thermodesulfobacteria	72	43	115	0.04
SM2F11	4	94	98	1.69
WCHB1-60	9	58	67	0.46
JL-ETNP-Z39	2	43	45	1.54
CKC4	0	41	41	NA
LCP-89	4	28	32	0.5
GOUTA4	5	22	27	0.32
Dictyoglomi	2	23	25	0.83
SBYG-2791	0	16	16	NA
GAL08	2	13	15	0.47
Chrysiogenetes	2	11	13	0.39
Calescamantes	2	8	10	0.29
LD1-PA38	3	6	9	0.14
OC31	0	7	7	NA
RsaHF231	1	5	6	0.36
S2R-29	0	2	2	NA
Total	94605	1317745	1412350	1.00