

**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	28567	460124	488691	1.14
Proteobacteria	34904	415657	450561	0.84
Actinobacteria	9524	213966	223490	1.59
Bacteroidetes	13869	155986	169855	0.8
Chloroflexi	1001	22858	23859	1.61
Cyanobacteria	1401	16892	18293	0.85
Acidobacteria	1168	15033	16201	0.91
Planctomycetes	822	14768	15590	1.27
Spirochaetae	1385	10514	11899	0.54
Fusobacteria	384	9156	9540	1.69
Verrucomicrobia	524	8171	8695	1.1
Tenericutes	1088	4673	5761	0.3
Lentisphaerae	117	3495	3612	2.11
Nitrospirae	324	2823	3147	0.62
Gemmatimonadetes	185	2736	2921	1.05
Saccharibacteria	120	2512	2632	1.48
Fibrobacteres	127	2415	2542	1.34
Atribacteria	38	2492	2530	4.64
Deinococcus-Thermus	357	1801	2158	0.36
Synergistetes	118	1710	1828	1.02
Aminicenantes	39	1722	1761	3.12
Chlorobi	155	1461	1616	0.67
Deferribacteres	58	1491	1549	1.82
Armatimonadetes	93	1331	1424	1.01
Parcubacteria	121	1260	1381	0.74
Marinimicrobia (SAR406 clade)	55	1272	1327	1.64
Gracilibacteria	33	1218	1251	2.61
Kazan-3B-09	12	1224	1236	7.21
Unclassified	0	1185	1185	NA
Latescibacteria	47	953	1000	1.43
Hydrogenedentes	33	925	958	1.98
Aquificae	592	321	913	0.04
TM6	41	774	815	1.33
Thermotogae	121	685	806	0.4
Microgenomates	141	658	799	0.33
Chlamydiae	169	554	723	0.23
Omnitrophica	16	619	635	2.74
OP3	36	538	574	1.06
TA06	28	546	574	1.38
Elusimicrobia	61	463	524	0.54
Cloacimonetes	135	350	485	0.18
Acetothermia	19	281	300	1.05
Aerophobetes	15	264	279	1.24
Caldiserica	23	230	253	0.71
Hyd24-12	8	234	242	2.07
WS6	36	204	240	0.4
SR1	4	193	197	3.41
SHA-109	7	168	175	1.7
PAUC34f	6	164	170	1.93
WD272	14	125	139	0.63
Thermodesulfobacteria	73	45	118	0.04
SM2F11	5	102	107	1.44
WCHB1-60	9	61	70	0.48
JL-ETNP-Z39	2	43	45	1.52
CKC4	0	41	41	NA
LCP-89	4	28	32	0.49
GOUTA4	5	26	31	0.37
Dictyoglomi	4	24	28	0.42
GAL08	4	13	17	0.23
SBYG-2791	0	16	16	NA
Chrysiogenetes	2	11	13	0.39
Calescamantes	2	8	10	0.28
LD1-PA38	3	6	9	0.14
RsaHF231	1	7	8	0.49
OC31	0	7	7	NA
S2R-29	0	2	2	NA
Total	98255	1389635	1487890	1.00