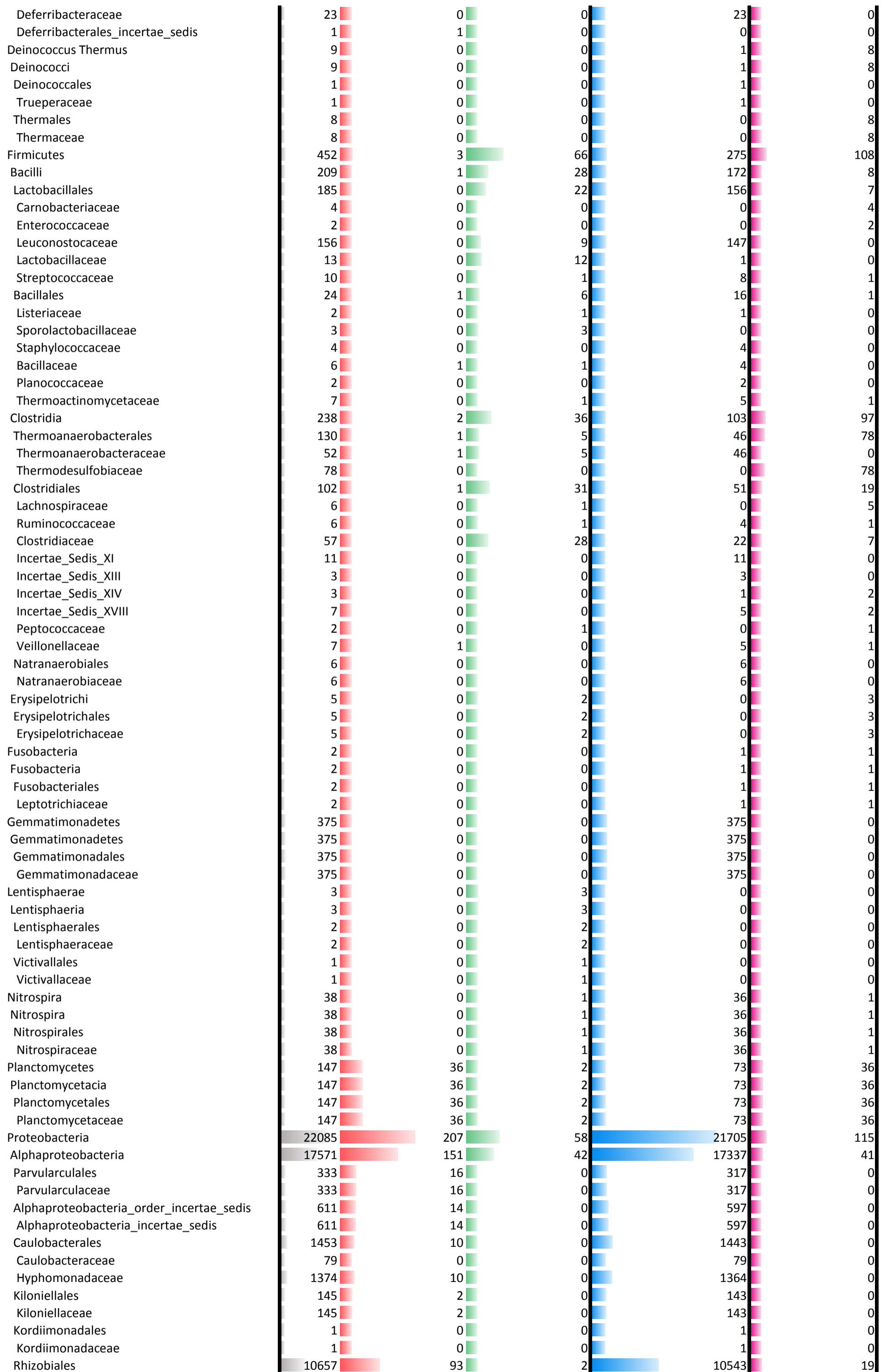
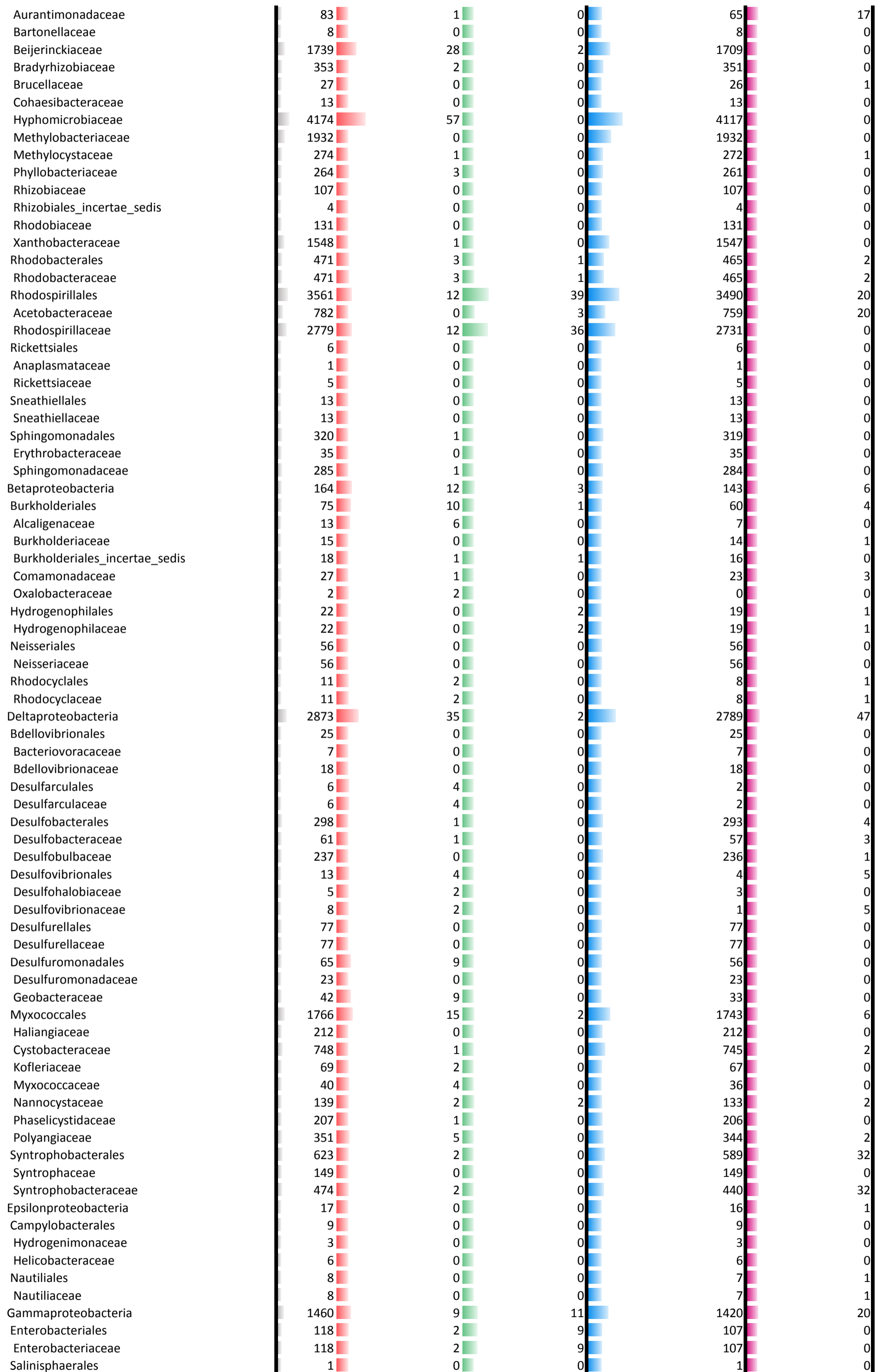


Taxon	Total	Clones	Act	Generic	Archea
Archaea	2122	0	0	14	2108
Crenarchaeota	376	0	0	7	369
Thermoprotei	376	0	0	7	369
Acidilobales	2	0	0	2	0
Acidilobaceae	2	0	0	2	0
Desulfurococcales	129	0	0	2	127
Desulfurococcaceae	61	0	0	2	59
Pyrodictiaceae	68	0	0	0	68
Sulfolobales	26	0	0	0	26
Sulfolobaceae	26	0	0	0	26
Thermoproteales	219	0	0	3	216
Thermofilaceae	84	0	0	0	84
Thermoproteaceae	135	0	0	3	132
Euryarchaeota	1746	0	0	7	1739
Methanomicrobia	92	0	0	2	90
Methanocellales	22	0	0	0	22
Methanocellaceae	22	0	0	0	22
Methanomicrobiales	63	0	0	0	63
Methanomicrobiaceae	15	0	0	0	15
Methanomicrobiales_incertae_sedis	48	0	0	0	48
Methanosarcinales	7	0	0	2	5
Methanosarcinaceae	6	0	0	2	4
Methermicoccaceae	1	0	0	0	1
Archaeoglobi	58	0	0	0	58
Archaeoglobales	58	0	0	0	58
Archaeoglobaceae	58	0	0	0	58
Halobacteria	580	0	0	5	575
Halobacteriales	580	0	0	5	575
Halobacteriaceae	580	0	0	5	575
Methanococci	20	0	0	0	20
Methanococcales	20	0	0	0	20
Methanocaldococcaceae	20	0	0	0	20
Methanopyri	153	0	0	0	153
Methanopyrales	153	0	0	0	153
Methanopyraceae	153	0	0	0	153
Thermoplasmata	843	0	0	0	843
Thermoplasmatales	843	0	0	0	843
Picrophilaceae	838	0	0	0	838
Thermoplasmatales_incertae_sedis	5	0	0	0	5
Bacteria	26069	329	255	25019	466
Acidobacteria	297	4	0	0	293
Acidobacteria_Gp1	5	0	0	0	5
Acidobacteria_Gp10	27	0	0	0	27
Acidobacteria_Gp21	1	0	0	0	1
Acidobacteria_Gp22	4	0	0	0	4
Acidobacteria_Gp3	143	2	0	0	141
Acidobacteria_Gp4	2	2	0	0	0
Acidobacteria_Gp7	34	0	0	0	34
Holophagae	81	0	0	0	81
Acanthopleuribacterales	48	0	0	0	48
Acanthopleuribacteraceae	48	0	0	0	48
Holophagales	33	0	0	0	33
Holophagaceae	33	0	0	0	33
Actinobacteria	518	1	100	370	47
Actinobacteria	518	1	100	370	47
Acidimicrobiales	34	0	31	2	1
Acidimicrobiaceae	16	0	15	0	1
Iamiaceae	18	0	16	2	0
Actinobacteria_order_incertae_sedis	27	0	23	4	0
Acidimicrobidae_incertae_sedis	27	0	23	4	0
Actinomycetales	219	1	40	176	2
Acidothermaceae	6	0	0	6	0
Actinosynnemataceae	2	0	2	0	0
Catenulisporaceae	2	0	0	2	0
Cellulomonadaceae	10	0	2	8	0
Cryptosporangiaceae	1	0	1	0	0
Dietziaceae	1	0	1	0	0
Frankineae_incertae_sedis	1	0	0	1	0
Geodermatophilaceae	6	0	1	5	0
Glycomycetaceae	1	0	0	1	0
Intrasporangiaceae	1	0	0	1	0
Microbacteriaceae	5	0	0	3	2
Micrococcaceae	2	0	2	0	0
Micromonosporaceae	26	1	13	12	0
Mycobacteriaceae	3	0	3	0	0
Nakamurellaceae	1	0	0	1	0
Nocardiaceae	85	0	1	84	0

Promicromonosporaceae	6	0	0	6	0
Propionibacteriaceae	29	0	3	26	0
Pseudonocardiaceae	22	0	7	15	0
Sporichthyaceae	3	0	2	1	0
Streptomycetaceae	2	0	0	2	0
Streptosporangiaceae	2	0	2	0	0
Thermomonosporaceae	1	0	0	1	0
Tsukamurellaceae	1	0	0	1	0
Bifidobacteriales	16	0	0	0	16
Bifidobacteriaceae	16	0	0	0	16
Coriobacteriales	29	0	4	0	25
Coriobacteriaceae	29	0	4	0	25
Nitriliruptorales	77	0	1	73	3
Nitriliruptoraceae	77	0	1	73	3
Solirubrobacterales	116	0	1	115	0
Conexibacteraceae	96	0	1	95	0
Patulibacteraceae	6	0	0	6	0
Solirubrobacteraceae	14	0	0	14	0
Aquificae	17	0	3	3	11
Aquificae	17	0	3	3	11
Aquificales	17	0	3	3	11
Aquificaceae	5	0	1	0	4
Aquificales_incertae_sedis	4	0	1	3	0
Desulfurobacteriaceae	8	0	1	0	7
Bacteroidetes	1217	12	3	1147	55
Bacteroidetes_class_incertae_sedis	26	0	0	21	5
Bacteroidetes_order_incertae_sedis	26	0	0	21	5
Bacteroidetes_incertae_sedis	26	0	0	21	5
Bacteroidia	25	0	1	1	23
Bacteroidales	25	0	1	1	23
Marinilabiaceae	19	0	1	0	18
Porphyromonadaceae	1	0	0	0	1
Prevotellaceae	3	0	0	0	3
Rikenellaceae	1	0	0	1	0
Bacteroidales_incertae_sedis	1	0	0	0	1
Sphingobacteria	1021	11	0	989	21
Sphingobacteriales	1021	11	0	989	21
Chitinophagaceae	384	4	0	375	5
Cyclobacteriaceae	16	1	0	15	0
Flammeovirgaceae	211	0	0	211	0
Rhodothermaceae	17	0	0	3	14
Saprosiraceae	153	1	0	152	0
Cytophagaceae	206	5	0	200	1
Sphingobacteriaceae	34	0	0	33	1
Flavobacteria	145	1	2	136	6
Flavobacteriales	145	1	2	136	6
Cryomorphaceae	113	1	0	109	3
Flavobacteriaceae	32	0	2	27	3
Chlamydiae	44	0	1	43	0
Chlamydiae	44	0	1	43	0
Chlamydiales	44	0	1	43	0
Parachlamydiaceae	33	0	1	32	0
Simkaniaceae	1	0	0	1	0
Waddliaceae	10	0	0	10	0
Chlorobi	2	0	0	0	2
Chlorobia	2	0	0	0	2
Chlorobiales	2	0	0	0	2
Chlorobiaceae	2	0	0	0	2
Chloroflexi	657	33	8	548	68
Chloroflexi	50	1	5	12	32
Chloroflexales	35	1	5	0	29
Chloroflexaceae	35	1	5	0	29
Herpetosiphonales	15	0	0	12	3
Herpetosiphonaceae	15	0	0	12	3
Anaerolineae	500	16	2	481	1
Anaerolineales	500	16	2	481	1
Anaerolineaceae	500	16	2	481	1
Caldilineae	67	16	0	50	1
Caldilineales	67	16	0	50	1
Caldilineaceae	67	16	0	50	1
Thermomicrobia	40	0	1	5	34
Sphaerobacterales	8	0	0	0	8
Sphaerobacteraceae	8	0	0	0	8
Thermomicrobiales	32	0	1	5	26
Thermomicrobiaceae	32	0	1	5	26
Deferribacteres	24	1	0	23	0
Deferribacteres	24	1	0	23	0
Deferribacterales	24	1	0	23	0





Salinisphaeraceae	1	0	0	1	0
Vibrionales	2	0	0	2	0
Vibrionaceae	2	0	0	2	0
Acidithiobacillales	185	0	0	185	0
Thermithiobacillaceae	185	0	0	185	0
Aeromonadales	3	0	0	3	0
Succinivibrionaceae	3	0	0	3	0
Alteromonadales	107	0	0	107	0
Alteromonadaceae	32	0	0	32	0
Ferrimonadaceae	2	0	0	2	0
Moritellaceae	65	0	0	65	0
Pseudoalteromonadaceae	1	0	0	1	0
Shewanellaceae	7	0	0	7	0
Cardiobacteriales	5	0	0	5	0
Cardiobacteriaceae	5	0	0	5	0
Chromatiales	153	2	0	135	16
Chromatiaceae	115	2	0	113	0
Ectothiorhodospiraceae	12	0	0	11	1
Granulosicoccaceae	20	0	0	5	15
Halothiobacillaceae	6	0	0	6	0
Gammaproteobacteria_order_incertae_sedis	114	0	0	114	0
Gammaproteobacteria_incertae_sedis	114	0	0	114	0
Legionellales	135	0	0	135	0
Coxiellaceae	86	0	0	86	0
Legionellaceae	49	0	0	49	0
Methylococcales	75	0	0	75	0
Methylococcaceae	75	0	0	75	0
Oceanospirillales	61	0	1	60	0
Alcanivoracaceae	1	0	0	1	0
Hahellaceae	2	0	0	2	0
Halomonadaceae	15	0	0	15	0
Oceanospirillaceae	39	0	1	38	0
Oceanospirillales_incertae_sedis	4	0	0	4	0
Pasteurellales	9	0	1	8	0
Pasteurellaceae	9	0	1	8	0
Pseudomonadales	57	1	0	56	0
Moraxellaceae	12	0	0	12	0
Pseudomonadaceae	45	1	0	44	0
Thiotrichales	25	3	0	21	1
Piscirickettsiaceae	16	0	0	16	0
Thiotrichaceae	4	1	0	3	0
Thiotrichales_incertae_sedis	5	2	0	2	1
Xanthomonadales	410	1	0	406	3
Sinobacteraceae	289	1	0	288	0
Xanthomonadaceae	121	0	0	118	3
Spirochaetes	8	0	0	8	0
Spirochaetes	8	0	0	8	0
Spirochaetales	8	0	0	8	0
Leptospiraceae	8	0	0	8	0
Synergistetes	15	0	3	7	5
Synergistia	15	0	3	7	5
Synergistales	15	0	3	7	5
Synergistaceae	15	0	3	7	5
Tenericutes	6	0	3	1	2
Mollicutes	6	0	3	1	2
Anaeroplasmatales	6	0	3	1	2
Anaeroplasmataceae	6	0	3	1	2
Thermodesulfobacteria	52	0	3	49	0
Thermodesulfobacteria	52	0	3	49	0
Thermodesulfobacteriales	52	0	3	49	0
Thermodesulfobacteriaceae	52	0	3	49	0
Thermotogae	4	0	0	0	4
Thermotogae	4	0	0	0	4
Thermotogales	4	0	0	0	4
Thermotogaceae	4	0	0	0	4
Verrucomicrobia	78	31	1	44	2
Opitutae	42	0	0	40	2
Opitutales	41	0	0	40	1
Opitutaceae	41	0	0	40	1
Puniceococcales	1	0	0	0	1
Puniceococcaceae	1	0	0	0	1
Spartobacteria	23	23	0	0	0
Subdivision3	2	2	0	0	0
Verrucomicrobiae	11	6	1	4	0
Verrucomicrobiales	11	6	1	4	0
Verrucomicrobiaceae	11	6	1	4	0
Bacteria_incertae_sedis	7	0	0	7	0
Ktedonobacteria	7	0	0	7	0

Ktedonobacterales	7	0	0	7	0
Ktedonobacteraceae	7	0	0	7	0
Cyanobacteria	1	0	0	0	1
Cyanobacteria	1	0	0	0	1
Cyanobacteria_order_incertae_sedis	1	0	0	0	1
Chloroplast	1	0	0	0	1
OP10	11	1	0	10	0