

Phylum_to_Species_all16SV1

ASV	Abundance	Sample	Phylum	Family	Genus	Species	
1	ASV1	0.980740809341344	3B_8	Proteobacteria	Rhizobiales Incertae Sedis	Phreatobacter	NA
2	ASV1	0.598586219801239	3B_11	Proteobacteria	Rhizobiales Incertae Sedis	Phreatobacter	NA
3	ASV1	0.588399273965089	3W_8	Proteobacteria	Rhizobiales Incertae Sedis	Phreatobacter	NA
4	ASV2	0.204783179679406	3W_11	Proteobacteria	Solimonadaceae	Polycyclovorans	NA
5	ASV5	0.0985986943324047	3B_11	Proteobacteria	Reyraneliaceae	Reyranela	NA
6	ASV4	0.0795726345907006	3W_8	Proteobacteria	Caulobacteraceae	Caulobacter	NA
7	ASV7	0.0703854630130151	3B_11	Cyanobacteria	Obscuribacteraceae	Candidatus Obscuribacter	NA
8	ASV6	0.0678339393048385	3W_8	Proteobacteria	Caulobacteraceae	Phenylobacterium	NA
9	ASV9	0.0512667374992576	3W_11	Proteobacteria	Moraxellaceae	Perlucidibaca	NA
10	ASV4	0.0492078672709884	3B_11	Proteobacteria	Caulobacteraceae	Caulobacter	NA
11	ASV11	0.0470794754868641	3W_11	Proteobacteria	Cellvibrionaceae	Cellvibrio	NA
12	ASV26	0.0438986082055817	3W_11	Proteobacteria	Devosiaceae	Devosia	NA
13	ASV1	0.0406946433403066	3W_11	Proteobacteria	Rhizobiales Incertae Sedis	Phreatobacter	NA
14	ASV4	0.0338115633104777	3W_11	Proteobacteria	Caulobacteraceae	Caulobacter	NA
15	ASV13	0.0312609301067108	3W_11	Actinobacteriota	Nocardiodaceae	Aeromicrobium	alkaliterrae
16	ASV10	0.0304711214603518	3B_11	Proteobacteria	Hyphomicrobiaceae	Hyphomicrobium	NA
17	ASV12	0.0297001430582807	3W_8	Bacteroidota	Chitinophagaceae	Terrimonas	NA
18	ASV19	0.0264376897168281	3B_11	Proteobacteria	Xanthobacteraceae	Afipia	NA
19	ASV10	0.0242577084664492	3W_8	Proteobacteria	Hyphomicrobiaceae	Hyphomicrobium	NA
20	ASV18	0.0232823646646561	3W_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	bauzanensis
21	ASV15	0.0223238771621308	3W_8	Proteobacteria	Sphingomonadaceae	Sphingobium	NA
22	ASV5	0.0220270170934855	3W_8	Proteobacteria	Reyraneliaceae	Reyranela	NA
23	ASV21	0.0214345579452389	3W_11	Proteobacteria	Burkholderiaceae	Limnobacter	thiooxidans
24	ASV17	0.0201214581766572	3W_8	Bacteroidota	Chitinophagaceae	Sediminibacterium	salmonium
25	ASV20	0.0174435527464759	3B_11	Proteobacteria	Xanthobacteraceae	Bradyrhizobium	NA
26	ASV25	0.0171417069774502	3W_11	Proteobacteria	Solimonadaceae	Solimonas	NA
27	ASV16	0.0157392381157019	3W_8	Proteobacteria	Comamonadaceae	Limnohabitans	NA
28	ASV40	0.0145052827474246	3W_11	Proteobacteria	Moraxellaceae	Paraperlucidibaca	NA
29	ASV28	0.0140499303772825	3W_11	Bacteroidota	Weeksellaceae	Chryseobacterium	NA
30	ASV36	0.0139631585512911	3B_11	Proteobacteria	Sphingomonadaceae	Novosphingobium	NA
31	ASV34	0.0131980539731382	3B_11	Proteobacteria	Acetobacteraceae	Roseococcus	NA
32	ASV23	0.0120503971059088	3B_11	Proteobacteria	Sphingomonadaceae	Sphingopyxis	NA
33	ASV32	0.011964548508226	3W_11	Proteobacteria	Comamonadaceae	Inhella	NA
34	ASV23	0.0118952557562479	3W_11	Proteobacteria	Sphingomonadaceae	Sphingopyxis	NA
35	ASV35	0.0114017214853008	3B_11	Actinobacteriota	Mycobacteriaceae	Mycobacterium	NA
36	ASV24	0.0111138755223324	3W_8	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	mexicana
37	ASV117	0.0110538437679419	3W_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	NA
38	ASV22	0.010058630296478	3B_11	Proteobacteria	Sphingomonadaceae	Plot4-2H12	NA
39	ASV38	0.00931162600391999	3W_11	Actinobacteriota	Nocardiodaceae	Aeromicrobium	ponti
40	ASV73	0.00909054912856115	3W_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	NA
41	ASV33	0.00908724947370505	3W_11	Proteobacteria	Comamonadaceae	Rhizobacter	NA
42	ASV99	0.00899155948287809	3W_11	Proteobacteria	Pseudomonadaceae	Pseudomonas	NA
43	ASV7	0.00866831400444442	3W_8	Cyanobacteria	Obscuribacteraceae	Candidatus Obscuribacter	NA
44	ASV49	0.00844381677676515	3W_11	Verrucomicrobiota	Opitutaceae	Opitutus	NA
45	ASV41	0.00823009199834889	3W_8	Proteobacteria	Acidiferrobacteraceae	Sulfurifustis	NA
46	ASV22	0.00793040469095453	3W_8	Proteobacteria	Sphingomonadaceae	Plot4-2H12	NA
47	ASV46	0.00769809477928609	3W_11	Proteobacteria	Devosiaceae	Devosia	limi

48	ASV155	0.0067543934904409	3W_11	Bdellovibrionota	Bacteriovoraceae	Bacteriovorax	NA
49	ASV45	0.0065761573301819	3W_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	koreensis
50	ASV50	0.00654981488936257	3W_11	Proteobacteria	Alteromonadaceae	Rheinheimera	pacifica
51	ASV36	0.00644422593396731	3W_11	Proteobacteria	Sphingomonadaceae	Novosphingobium	NA
52	ASV77	0.00636411442400665	3W_8	Proteobacteria	Solimonadaceae	Nevskia	NA
53	ASV59	0.00597567494440082	3W_11	Actinobacteriota	Microbacteriaceae	Galbitalea	NA
54	ASV157	0.00587008598900555	3W_11	Actinobacteriota	Pseudonocardiaceae	Pseudonocardia	NA
55	ASV81	0.00576449703361028	3W_11	Proteobacteria	Xanthomonadaceae	Stenotrophomonas	NA
56	ASV65	0.00563911014907841	3W_11	Proteobacteria	Beijerinckiaceae	Bosea	NA
57	ASV2	0.00554138794804666	3W_8	Proteobacteria	Solimonadaceae	Polycyclovorans	NA
58	ASV33	0.00540563017173271	3B_11	Proteobacteria	Comamonadaceae	Rhizobacter	NA
59	ASV58	0.00527284846005108	3W_11	Proteobacteria	Xanthomonadaceae	Thermomonas	NA
60	ASV78	0.00520685536292904	3W_11	Proteobacteria	Xanthomonadaceae	Arenimonas	NA
61	ASV150	0.00508476813325326	3W_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	NA
62	ASV42	0.00494484057200694	3W_8	Firmicutes	Enterococcaceae	Enterococcus	cecorum
63	ASV44	0.00475258833707471	3W_8	Firmicutes	Caldalkalibacillaceae	Caldalkalibacillus	thermarum
64	ASV83	0.00467561093109661	3W_11	Proteobacteria	Moraxellaceae	Acinetobacter	NA
65	ASV182	0.00460301852426236	3W_11	Acidobacteriota	Blastocatellaceae	Stenotrophobacter	NA
66	ASV57	0.00457002197570134	3W_11	Bacteroidota	Cyclobacteriaceae	Algoriphagus	NA
67	ASV70	0.00442483716203285	3W_11	Proteobacteria	Oxalobacteraceae	Massilia	NA
68	ASV82	0.00441823785232065	3W_11	Proteobacteria	Caulobacteraceae	Brevundimonas	NA
69	ASV20	0.00439901369482421	3B_8	Proteobacteria	Xanthobacteraceae	Bradyrhizobium	NA
70	ASV71	0.00439103497026903	3B_11	Proteobacteria	Ferrovibrionaceae	Ferrovibrio	NA
71	ASV16	0.00434945319971724	3B_11	Proteobacteria	Comamonadaceae	Limnohabitans	NA
72	ASV53	0.00434829319596723	3W_8	Proteobacteria	Oxalobacteraceae	Undibacterium	parvum
73	ASV63	0.00429539689799992	3B_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	sanxanigenens
74	ASV55	0.00429123872094474	3B_11	Bacteroidota	Chitinophagaceae	Terrimonas	solii
75	ASV16	0.00413776718955197	3W_11	Proteobacteria	Comamonadaceae	Limnohabitans	NA
76	ASV56	0.00393268909986373	3W_8	Proteobacteria	Comamonadaceae	Rhodoferax	NA
77	ASV66	0.00384079825250279	3W_11	Proteobacteria	Comamonadaceae	Variovorax	NA
78	ASV115	0.00383419894279058	3W_11	Bacteroidota	Spirosomaceae	Dyadobacter	NA
79	ASV41	0.00380120239422956	3W_11	Proteobacteria	Acidiferrobacteraceae	Sulfurifustis	NA
80	ASV107	0.00380120239422956	3W_11	Bacteroidota	Chitinophagaceae	Edaphobaculum	NA
81	ASV67	0.00380120239422956	3W_11	Actinobacteriota	Solirubrobacteraceae	Patulibacter	minatonensis
82	ASV134	0.00367581550969769	3W_11	Proteobacteria	Rhizobiaceae	Allorhizobium-Neorhizobium	NA
83	ASV86	0.00355949358499528	3W_8	Myxococcota	Myxococcaceae	P3OB-42	NA
84	ASV10	0.00355042862516581	3W_11	Proteobacteria	Hyphomicrobiaceae	Hyphomicrobium	NA
85	ASV73	0.00351781778868144	3B_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	NA
86	ASV24	0.00342217971641232	3B_11	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	mexicana
87	ASV4	0.00330311905506099	3B_8	Proteobacteria	Caulobacteraceae	Caulobacter	NA
88	ASV88	0.00328315658182154	3W_11	Actinobacteriota	Intrasporangiaceae	Knoellia	NA
89	ASV108	0.00314457107786526	3W_11	Actinobacteriota	Nakamurellaceae	Nakamurella	NA
90	ASV238	0.00309507625502372	3W_11	Bacteroidota	Chitinophagaceae	Ferruginibacter	NA
91	ASV318	0.00304558143218219	3W_11	Actinobacteriota	Nocardioidaceae	Nocardioides	NA
92	ASV42	0.00301918419333338	3W_11	Firmicutes	Enterococcaceae	Enterococcus	cecorum
93	ASV97	0.00298288798991625	3W_11	Proteobacteria	Hyphomonadaceae	SWB02	NA
94	ASV188	0.00296638971563574	3W_11	Bdellovibrionota	Bacteriovoraceae	Peredibacter	NA
95	ASV118	0.00291359523793811	3W_11	Proteobacteria	Hyphomonadaceae	Hirschia	NA
96	ASV65	0.00289824940745977	3B_11	Proteobacteria	Beijerinckiaceae	Bosea	NA

97	ASV20	0.00288095628523446	3W_8	Proteobacteria	Xanthobacteraceae	Bradyrhizobium	NA
98	ASV84	0.00285750110538438	3W_11	Proteobacteria	Comamonadaceae	Hydrogenophaga	NA
99	ASV101	0.00274201318542081	3W_11	Myxococcota	Nannocystaceae	Nannocystis	NA
100	ASV178	0.00271231629171589	3W_11	Proteobacteria	Steroidbacteraceae	Steroidbacter	NA
101	ASV106	0.00253083527463027	3W_11	Actinobacteriota	Microbacteriaceae	Salinibacterium	NA
102	ASV125	0.00251341524786402	3W_8	Proteobacteria	Nitrosomonadaceae	MND1	NA
103	ASV82	0.00247383390537797	3W_8	Proteobacteria	Caulobacteraceae	Brevundimonas	NA
104	ASV293	0.00246484217750823	3W_11	Proteobacteria	Sphingomonadaceae	Altererythrobacter	NA
105	ASV102	0.0024153473546667	3W_11	Proteobacteria	Pseudohongiellaceae	Pseudohongiella	NA
106	ASV145	0.0024087480449545	3W_11	Verrucomicrobiota	Verrucomicrobiaceae	Verrucomicrobium	NA
107	ASV62	0.00237488054916285	3W_8	Firmicutes	Staphylococcaceae	Staphylococcus	NA
108	ASV135	0.00231635770898364	3W_11	Proteobacteria	Rhodobacteraceae	Rhodobacter	NA
109	ASV230	0.00231635770898364	3W_11	Proteobacteria	Sphingomonadaceae	Sphingorhabdus	NA
110	ASV341	0.00231305805412754	3W_11	Bdellovibrionota	Bdellovibrionaceae	Bdellovibrio	NA
111	ASV116	0.00229985943470313	3W_11	Actinobacteriota	Microbacteriaceae	Lysinimonas	NA
112	ASV94	0.00228996047013482	3W_11	Proteobacteria	Moraxellaceae	Enhydrobacter	aerosaccus
113	ASV93	0.00223634585046169	3W_8	Proteobacteria	Xanthobacteraceae	Rhodoplanes	NA
114	ASV112	0.00216787324045905	3W_11	Proteobacteria	Rhodobacteraceae	Tabrizicola	aquatica
115	ASV24	0.00214147600161023	3W_11	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	mexicana
116	ASV100	0.00213456525549757	3W_8	Proteobacteria	Gallionellaceae	Candidatus Nitrotoga	NA
117	ASV79	0.00212042906175255	3W_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	NA
118	ASV202	0.00210517979819311	3W_11	Proteobacteria	Methylophilaceae	Methylophilus	NA
119	ASV119	0.00210188014333701	3W_11	Proteobacteria	Alcaligenaceae	Candidimonas	NA
120	ASV210	0.0020886815239126	3W_11	Actinobacteriota	Nocardoidaceae	Aeromicrobium	NA
121	ASV109	0.00207236600301949	3W_8	Verrucomicrobiota	Omnitrophaceae	Candidatus Omnitrophus	NA
122	ASV317	0.00205238532049548	3W_11	Acidobacteriota	Blastocatellaceae	JGI 0001001-H03	NA
123	ASV363	0.00201608911707835	3W_11	Proteobacteria	Nitrosomonadaceae	Ellin6067	NA
124	ASV44	0.00197979291366123	3W_11	Firmicutes	Caldalkalibacillaceae	Caldalkalibacillus	thermarum
125	ASV22	0.00195009601995631	3W_11	Proteobacteria	Sphingomonadaceae	Plot4-2H12	NA
126	ASV138	0.00194019705538801	3W_11	Firmicutes	Planococcaceae	Planomicrobium	NA
127	ASV100	0.0019269984359636	3W_11	Proteobacteria	Gallionellaceae	Candidatus Nitrotoga	NA
128	ASV128	0.00190720050682699	3W_11	Bacteroidota	Chitinophagaceae	Rurimicrobium	NA
129	ASV156	0.00189730154225868	3W_11	Actinobacteriota	Nocardiaceae	Rhodococcus	NA
130	ASV144	0.00189400188740258	3W_11	Nitrospirota	Nitrospiraceae	Nitrospira	NA
131	ASV133	0.00184120740970494	3W_11	Bacteroidota	Flavobacteriaceae	Aequorivita	nionensis
132	ASV142	0.00183487794810321	3W_8	Bacteroidota	Sphingobacteriaceae	Sphingobacterium	NA
133	ASV255	0.00183460809999274	3W_11	Proteobacteria	Rhodanobacteraceae	Ahniella	NA
134	ASV33	0.0018320507093542	3W_8	Proteobacteria	Comamonadaceae	Rhizobacter	NA
135	ASV209	0.00181810982571223	3W_11	Bdellovibrionota	Oligoflexaceae	Oligoflexus	NA
136	ASV350	0.00181810982571223	3W_11	Planctomycetota	Pirellulaceae	Pirellula	NA
137	ASV289	0.00180491120628782	3W_11	Proteobacteria	Comamonadaceae	Polaromonas	NA
138	ASV5	0.00180161155143172	3W_11	Proteobacteria	Reyranellaceae	Reyranella	NA
139	ASV211	0.00178801613372697	3B_11	Proteobacteria	Rhodobacteraceae	Paracoccus	NA
140	ASV136	0.0017719146577268	3W_11	Proteobacteria	Rhizobiaceae	Pseudorhizobium	pelagicum
141	ASV445	0.00175871603830239	3W_11	Verrucomicrobiota	Chthoniobacteraceae	Chthoniobacter	NA
142	ASV152	0.00175541638344629	3W_11	Bacteroidota	Microscillaceae	Hassallia	NA
143	ASV211	0.00175211672859019	3W_11	Proteobacteria	Rhodobacteraceae	Paracoccus	NA
144	ASV35	0.00175211672859019	3W_11	Actinobacteriota	Mycobacteriaceae	Mycobacterium	NA
145	ASV139	0.00174881707373409	3W_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	boryungensis

146	ASV275	0.00172241983488527	3W_11	Proteobacteria	Moraxellaceae	Psychrobacter	NA
147	ASV330	0.00170922121546086	3W_11	Acidobacteriota	Bryobacteraceae	Bryobacter	NA
148	ASV7	0.00170262190574866	3W_11	Cyanobacteria	Obscuribacteraceae	Candidatus Obscuribacter	NA
149	ASV141	0.00168942328632425	3W_11	Firmicutes	Lactobacillaceae	Fructobacillus	fructosus
150	ASV10	0.00166699466330181	3B_8	Proteobacteria	Hyphomicrobiaceae	Hyphomicrobium	NA
151	ASV358	0.00163332915377052	3W_11	Proteobacteria	Xanthomonadaceae	Luteimonas	NA
152	ASV186	0.00161753087446463	3B_11	Proteobacteria	Sphingomonadaceae	Porphyrobacter	NA
153	ASV132	0.00159456265443792	3W_8	Proteobacteria	Rhizobiaceae	Phyllobacterium	NA
154	ASV6	0.00158053467607288	3W_11	Proteobacteria	Caulobacteraceae	Phenylbacterium	NA
155	ASV442	0.00157393536636068	3W_11	Verrucomicrobiota	Opitutaceae	IMCC26134	NA
156	ASV34	0.00153763916294356	3W_11	Proteobacteria	Acetobacteraceae	Roseococcus	NA
157	ASV322	0.00151784123380694	3W_11	Verrucomicrobiota	Opitutaceae	Lacunisphaera	NA
158	ASV62	0.00150794226923864	3W_11	Firmicutes	Staphylococcaceae	Staphylococcus	NA
159	ASV6	0.0015052600939748	3B_11	Proteobacteria	Caulobacteraceae	Phenylbacterium	NA
160	ASV266	0.00148484468524592	3W_11	Proteobacteria	Unknown Family	Candidatus Berkiella	NA
161	ASV378	0.00148154503038982	3W_11	Proteobacteria	Rhizobiaceae	Mesorhizobium	NA
162	ASV114	0.00148147310447778	3W_8	Firmicutes	Bacillaceae	Falsibacillus	NA
163	ASV265	0.00143205020754829	3W_11	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	NA
164	ASV15	0.00142875055269219	3W_11	Proteobacteria	Sphingomonadaceae	Sphingobium	NA
165	ASV77	0.00142875055269219	3W_11	Proteobacteria	Solimonadaceae	Nevskia	NA
166	ASV204	0.00141555193326778	3W_11	Planctomycetota	Schlesneriaceae	Planctopirus	NA
167	ASV242	0.00141555193326778	3W_11	Bacteroidota	Microscillaceae	Chryseolinea	NA
168	ASV292	0.00141225227841168	3W_11	Bacteroidota	Spirosomaceae	Persicitalea	NA
169	ASV301	0.00139575400413117	3W_11	Proteobacteria	Comamonadaceae	Leptothrix	NA
170	ASV207	0.00135615814585794	3W_11	Proteobacteria	Unknown Family	Acidibacter	NA
171	ASV82	0.00135140754293318	3B_11	Proteobacteria	Caulobacteraceae	Brevundimonas	NA
172	ASV171	0.00134955883614574	3W_11	Proteobacteria	Caulobacteraceae	Caulobacter	fusiformis
173	ASV184	0.00134295952643354	3W_11	Deinococcota	Deinococcaceae	Deinococcus	NA
174	ASV633	0.00131326263272862	3W_11	Proteobacteria	Sphingomonadaceae	Rhizorhapis	NA
175	ASV409	0.00130666332301641	3W_11	Planctomycetota	Gemmataceae	Gemmata	NA
176	ASV249	0.001293464703592	3W_11	Proteobacteria	Alteromonadaceae	Rheinheimera	NA
177	ASV79	0.00127036711959929	3W_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	NA
178	ASV765	0.00125056919046268	3W_11	Planctomycetota	Rubinisphaeraceae	SH-PL14	NA
179	ASV191	0.00124396988075047	3W_11	Actinobacteriota	Micrococcaceae	Pseudarthrobacter	NA
180	ASV161	0.00122984885581648	3W_8	Actinobacteriota	Thermomonosporaceae	Actinoallomurus	NA
181	ASV19	0.00120779937410524	3B_8	Proteobacteria	Xanthobacteraceae	Afipla	NA
182	ASV181	0.00119117540305284	3W_11	Firmicutes	Caldalkalibacillaceae	Caldalkalibacillus	NA
183	ASV195	0.00118127643848453	3W_11	Proteobacteria	Xanthomonadaceae	Thermomonas	brevis
184	ASV35	0.00118078788650545	3B_8	Actinobacteriota	Mycobacteriaceae	Mycobacterium	NA
185	ASV196	0.00117137747391623	3W_11	Actinobacteriota	Nocardiodaceae	Nocardioides	alpinus
186	ASV197	0.00116477816420402	3W_11	Acidobacteriota	Vicinamibacteraceae	Vicinamibacter	NA
187	ASV313	0.00115157954477962	3W_11	Proteobacteria	Acetobacteraceae	Roseomonas	NA
188	ASV480	0.00115157954477962	3W_11	Planctomycetota	Pirellulaceae	Pir4 lineage	NA
189	ASV200	0.00114827988992351	3W_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	tegetincola
190	ASV474	0.00114498023506741	3W_11	Myxococcota	Haliangiaceae	Haliangium	NA
191	ASV121	0.00113089549960136	3W_8	Actinobacteriota	Corynebacteriaceae	Lawsonella	clevelandensis
192	ASV487	0.0011218826510747	3W_11	Proteobacteria	Legionellaceae	Legionella	NA
193	ASV206	0.00111198368650639	3W_11	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	gellanilyticus
194	ASV7	0.00109589463976323	3B_8	Cyanobacteria	Obscuribacteraceae	Candidatus Obscuribacter	NA

195	ASV213	0.00108228679280147	3W_11	Proteobacteria	Oxalobacteraceae	Noviherbaspirillum	suwonense
196	ASV426	0.00107898713794537	3W_11	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	NA
197	ASV189	0.00107152348587229	3W_8	Firmicutes	Planococcaceae	Chungangia	NA
198	ASV357	0.00106908817337706	3W_11	Acidobacteriota	Blastocatellaceae	Aridibacter	NA
199	ASV217	0.00106248886366486	3W_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	jaspsi
200	ASV12	0.00105918920880876	3W_11	Bacteroidota	Chitinophagaceae	Terrimonas	NA
201	ASV342	0.00105588955395266	3W_11	Proteobacteria	Spongiibacteraceae	BD1-7 clade	NA
202	ASV212	0.00105173281462926	3W_8	Proteobacteria	Halomonadaceae	Halomonas	NA
203	ASV55	0.00103476938213524	3W_8	Bacteroidota	Chitinophagaceae	Terrimonas	solii
204	ASV223	0.00103279196995994	3W_11	Proteobacteria	Rhodanobacteraceae	Tahibacter	aquaticus
205	ASV490	0.00103279196995994	3W_11	Gemmatimonadota	Gemmatimonadaceae	Gemmatimonas	NA
206	ASV559	0.00102619266024774	3W_11	Proteobacteria	Rhizobiaceae	Aminobacter	NA
207	ASV231	0.00101299404082333	3W_11	Proteobacteria	Sphingomonadaceae	Sphingopyxis	witflariensis
208	ASV23	0.000987848689364034	3B_8	Proteobacteria	Sphingomonadaceae	Sphingopyxis	NA
209	ASV205	0.000983879084653183	3W_8	Bacteroidota	Weeksellaceae	Cloacibacterium	NA
210	ASV270	0.000973398182550105	3W_11	Actinobacteriota	Pseudonocardiaceae	Actinomycetospora	NA
211	ASV20	0.000966798872837901	3W_11	Proteobacteria	Xanthobacteraceae	Bradyrhizobium	NA
212	ASV655	0.000963499217981799	3W_11	Proteobacteria	Rhodobacteraceae	Rubellimicrobium	NA
213	ASV278	0.000953600253413493	3W_11	Proteobacteria	Rhodomicrobiaceae	Rhodomicrobium	NA
214	ASV246	0.000947000943701289	3W_11	Proteobacteria	Rhodobacteraceae	Gemmobacter	NA
215	ASV239	0.000930161548422118	3W_8	Actinobacteriota	Bogoriellaceae	Georgenia	NA
216	ASV325	0.000921679832175108	3W_8	Firmicutes	Streptococcaceae	Streptococcus	NA
217	ASV491	0.000920603704852472	3W_11	Proteobacteria	Sphingomonadaceae	Ellin6055	NA
218	ASV215	0.000918852593426104	3W_8	Proteobacteria	Gallionellaceae	Sideroxydans	NA
219	ASV254	0.000914004395140268	3W_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	luteus
220	ASV259	0.000907405085428064	3W_11	Actinobacteriota	Pseudonocardiaceae	Actinomycetospora	iriomotensis
221	ASV459	0.000907405085428064	3W_11	Planctomycetota	Gemmataceae	Fimbrigliobus	NA
222	ASV272	0.00086780922715484	3W_11	Actinobacteriota	Intrasporangiaceae	Ornithinibacter	aureus
223	ASV277	0.000857910262586533	3W_11	Proteobacteria	Rickettsiaceae	Rickettsia	NA
224	ASV462	0.000851310952874329	3W_11	Proteobacteria	Geminococcaceae	Candidatus Alysiosphaera	NA
225	ASV548	0.000851310952874329	3W_11	Proteobacteria	Rhodanobacteraceae	Chiayiivirga	NA
226	ASV230	0.00084817162470102	3W_8	Proteobacteria	Sphingomonadaceae	Sphingorhabdus	NA
227	ASV284	0.000838112333449921	3W_11	Proteobacteria	Oxalobacteraceae	Hermiinimonas	NA
228	ASV287	0.000824913714025513	3W_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	terrigena
229	ASV430	0.000824913714025513	3W_11	Acidobacteriota	Blastocatellaceae	OLB17	NA
230	ASV149	0.000819899237210985	3W_8	Actinobacteriota	Micrococcaceae	Nesterenkonia	NA
231	ASV185	0.000798516475176696	3W_11	Actinobacteriota	Corynebacteriaceae	Turicella	otitidis
232	ASV296	0.000798516475176696	3W_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	insulae
233	ASV702	0.000795216820320595	3W_11	Verrucomicrobiota	Verrucomicrobiaceae	Prostheobacter	NA
234	ASV268	0.000791917165464492	3W_11	Proteobacteria	Moraxellaceae	Acinetobacter	lwoffii
235	ASV252	0.000785972372222945	3W_8	Firmicutes	Thermoactinomycetaceae	Novibacillus	thermophilus
236	ASV257	0.000780317894724938	3W_8	Proteobacteria	Unknown Family	Candidatus Ovatusbacter	NA
237	ASV24	0.00077561557250848	3B_8	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	mexicana
238	ASV300	0.000775418891183982	3W_11	Proteobacteria	Xanthobacteraceae	Rhodopseudomonas	NA
239	ASV265	0.000760527223481914	3W_8	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	NA
240	ASV483	0.000742422342622962	3W_11	Myxococcota	Sandaracinaceae	Sandaracinus	NA
241	ASV498	0.000735823032910757	3W_11	Bacteroidota	Chitinophagaceae	Puia	NA
242	ASV23	0.00073225483599188	3W_8	Proteobacteria	Sphingomonadaceae	Sphingopyxis	NA
243	ASV281	0.000726600358493873	3W_8	Bacteroidota	Sphingobacteriaceae	Arcticibacter	NA

244	ASV742	0.000722624413486349	3W_11	Bacteroidota	Cytophagaceae	Cytophaga	NA
245	ASV540	0.000719324758630247	3W_11	Actinobacteriota	Nocardioideaceae	Marmoricola	NA
246	ASV861	0.000716025103774145	3W_11	Actinobacteriota	Solirubrobacteraceae	Solirubrobacter	NA
247	ASV514	0.000709425794061941	3W_11	Proteobacteria	Xanthomonadaceae	Lysobacter	NA
248	ASV316	0.000699526829493635	3W_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	heparinus
249	ASV803	0.000689627864925329	3W_11	Bdellovibrionota	Bdellovibrionaceae	OM27 clade	NA
250	ASV312	0.000686328210069227	3W_11	Proteobacteria	Comamonadaceae	Aquabacterium	NA
251	ASV709	0.000686328210069227	3W_11	Actinobacteriota	Iamiaceae	Iamia	NA
252	ASV319	0.000683028555213125	3W_11	Proteobacteria	Comamonadaceae	Ramlibacter	NA
253	ASV321	0.000673129590644819	3W_11	Actinobacteriota	Micromonosporaceae	Virgisporangium	aliadipatigenens
254	ASV546	0.000669829935788717	3W_11	Proteobacteria	Pseudohongiellaceae	Blyi10	NA
255	ASV597	0.000640133042083798	3W_11	Bacteroidota	Crocinitomicaceae	Fluviicola	NA
256	ASV711	0.000640133042083798	3W_11	Acidobacteriota	Blastocatellaceae	Blastocatella	NA
257	ASV336	0.000636833387227696	3W_11	Actinobacteriota	Cryptosporangiaceae	Cryptosporangium	NA
258	ASV577	0.000636833387227696	3W_11	Proteobacteria	Beijerinckiaceae	Microvirga	NA
259	ASV672	0.000636833387227696	3W_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	NA
260	ASV5	0.000636699350566662	3B_8	Proteobacteria	Reyranellaceae	Reyranella	NA
261	ASV338	0.00063353732371594	3W_11	Proteobacteria	Beijerinckiaceae	Camelimonas	NA
262	ASV34	0.000632840566623834	3B_8	Proteobacteria	Acetobacteraceae	Roseococcus	NA
263	ASV73	0.000621992524780748	3W_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	NA
264	ASV576	0.000620335112947186	3W_11	Proteobacteria	Xanthobacteraceae	Tardiphaga	robiniae
265	ASV349	0.000607136493522778	3W_11	Proteobacteria	Xanthomonadaceae	Lysobacter	spongiicola
266	ASV62	0.000602935673000956	3B_11	Firmicutes	Staphylococcaceae	Staphylococcus	NA
267	ASV351	0.000600537183810573	3W_11	Proteobacteria	Comamonadaceae	Paucibacter	NA
268	ASV441	0.000594619318890598	3B_11	Firmicutes	Bacillaceae	Bacillus	NA
269	ASV360	0.000587338564386165	3W_11	Proteobacteria	Comamonadaceae	Hydrogenophaga	palleronii
270	ASV816	0.000584038909530063	3W_11	Proteobacteria	Kaistiaceae	Kaistia	NA
271	ASV367	0.000580739254673961	3W_11	Proteobacteria	Reyranellaceae	Reyranella	aquatilis
272	ASV371	0.000567540635249553	3W_11	Proteobacteria	Caulobacteraceae	Asticcacaulis	excentricus
273	ASV372	0.000567540635249553	3W_11	Bacteroidota	Crocinitomicaceae	Salinirepens	NA
274	ASV380	0.000557641670681247	3W_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	buctense
275	ASV381	0.000557641670681247	3W_11	Proteobacteria	Comamonadaceae	Pseudorhodofera	NA
276	ASV383	0.000554342015825145	3W_11	Proteobacteria	Alcaligenaceae	Achromobacter	NA
277	ASV384	0.000551042360969043	3W_11	Proteobacteria	Sutterellaceae	AAP99	NA
278	ASV386	0.000551042360969043	3W_11	Proteobacteria	Solimonadaceae	Nevskia	ramosa
279	ASV149	0.000548879371283629	3B_11	Actinobacteriota	Micrococcaceae	Nesterenkonia	NA
280	ASV467	0.000548879371283629	3B_11	Proteobacteria	Sphingomonadaceae	Blastomonas	NA
281	ASV121	0.000547742706112941	3W_11	Actinobacteriota	Corynebacteriaceae	Lawsonella	clevelandensis
282	ASV365	0.000547742706112941	3W_11	Actinobacteriota	Micrococcaceae	Paenarthrobacter	NA
283	ASV464	0.000547742706112941	3W_11	Firmicutes	Lactobacillaceae	Fructobacillus	NA
284	ASV388	0.000544443051256839	3W_11	Proteobacteria	Comamonadaceae	Piscinibacter	NA
285	ASV390	0.000544443051256839	3W_11	Proteobacteria	Rhodanobacteraceae	Dokdonella	NA
286	ASV2	0.000540563017173271	3B_11	Proteobacteria	Solimonadaceae	Polycyclovorans	NA
287	ASV234	0.000537175362310646	3W_8	Firmicutes	Bacillaceae	Ornithinibacillus	NA
288	ASV345	0.000537175362310646	3W_8	Proteobacteria	Enterobacteriaceae	Citrobacter	NA
289	ASV234	0.000534544086688532	3W_11	Firmicutes	Bacillaceae	Ornithinibacillus	NA
290	ASV402	0.000524645122120226	3W_11	Proteobacteria	Methylophilaceae	Methylothera	versatilis
291	ASV403	0.000524645122120226	3W_11	Firmicutes	Planococcaceae	Sporosarcina	NA
292	ASV674	0.000520211929816625	3W_8	Firmicutes	Paenibacillaceae	Thermobacillus	NA

293	ASV408	0.000518045812408022	3W_11	Proteobacteria	Burkholderiaceae	Cupriavidus	NA
294	ASV412	0.00051474615755192	3W_11	Actinobacteriota	Nocardioideae	Nocardioides	daedukensis
295	ASV415	0.000511446502695818	3W_11	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	flavescens
296	ASV778	0.000511446502695818	3W_11	Bacteroidota	Sphingobacteriaceae	Mucilaginibacter	NA
297	ASV416	0.000508146847839716	3W_11	Proteobacteria	Cellvibrionaceae	Marinagarivorans	NA
298	ASV212	0.00049824788327141	3W_11	Proteobacteria	Halomonadaceae	Halomonas	NA
299	ASV716	0.00049824788327141	3W_11	Planctomycetota	Pirellulaceae	Rhodopirellula	NA
300	ASV361	0.000488348918703104	3W_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	suicordis
301	ASV204	0.000483457826079581	3W_8	Planctomycetota	Schlesneriaceae	Planctopirus	NA
302	ASV114	0.0004817496089909	3W_11	Firmicutes	Bacillaceae	Falsibacillus	NA
303	ASV333	0.000477803348581574	3W_8	Proteobacteria	Oxalobacteraceae	Undibacterium	NA
304	ASV437	0.000475150299278695	3W_11	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	effusa
305	ASV387	0.000472148871083568	3W_8	Proteobacteria	Alcanivoracaceae1	Alcanivorax	NA
306	ASV448	0.000461951679854287	3W_11	Proteobacteria	Nitrosomonadaceae	mle1-7	NA
307	ASV181	0.000460839916087554	3W_8	Firmicutes	Caldalkalibacillaceae	Caldalkalibacillus	NA
308	ASV44	0.000453241299014512	3B_11	Firmicutes	Caldalkalibacillaceae	Caldalkalibacillus	thermarum
309	ASV457	0.000448753060429879	3W_11	Deinococcota	Trueperaceae	Truepera	NA
310	ASV458	0.000448753060429879	3W_11	Bacteroidota	Rhodothermaceae	Rubrivirga	NA
311	ASV638	0.000448753060429879	3W_11	Bacteroidota	Chitinophagaceae	Niastella	NA
312	ASV785	0.000445453405573777	3W_11	Proteobacteria	Xanthobacteraceae	Variibacter	NA
313	ASV463	0.000442153750717675	3W_11	Actinobacteriota	Geodermatophilaceae	Blastococcus	NA
314	ASV468	0.000435554441005471	3W_11	Bacteroidota	Weeksellaceae	Chryseobacterium	antarcticum
315	ASV469	0.000435554441005471	3W_11	Actinobacteriota	Demequinaceae	Demequina	NA
316	ASV472	0.000435554441005471	3W_11	Proteobacteria	Devosiaceae	Devosia	enhydra
317	ASV418	0.000435394767346523	3W_8	Campylobacterota	Campylobacteraceae	Campylobacter	gracilis
318	ASV388	0.000432183801596765	3B_8	Proteobacteria	Comamonadaceae	Piscinibacter	NA
319	ASV482	0.000422355821581063	3W_11	Proteobacteria	Rhodobacteraceae	Cereibacter	changlensis
320	ASV15	0.00041997588257308	3B_11	Proteobacteria	Sphingomonadaceae	Sphingobium	NA
321	ASV545	0.000412456857012756	3W_11	Proteobacteria	Moraxellaceae	Cavicella	NA
322	ASV55	0.000409031097939795	3B_8	Bacteroidota	Chitinophagaceae	Terrimonas	solii
323	ASV445	0.000407122379856489	3W_8	Verrucomicrobiota	Chthoniobacteraceae	Chthoniobacter	NA
324	ASV497	0.000405857547300552	3W_11	Actinobacteriota	Actinomycetaceae	Actinomyces	odontolyticus
325	ASV99	0.000403343174352364	3B_11	Proteobacteria	Pseudomonadaceae	Pseudomonas	NA
326	ASV447	0.000398640663609479	3W_8	Firmicutes	Ruminococcaceae	Ruminococcus	bromii
327	ASV239	0.000395958582732246	3W_11	Actinobacteriota	Bogoriellaceae	Georgenia	NA
328	ASV454	0.000392986186111472	3W_8	Proteobacteria	Alcaligenaceae	Pigmentiphaga	NA
329	ASV519	0.000392658927876144	3W_11	Proteobacteria	Azospirillales Incertae Sedis	Stella	humosa
330	ASV751	0.00038605961816394	3W_11	Proteobacteria	Rhodobacteraceae	Amaricoccus	NA
331	ASV534	0.000384504469864462	3W_8	Chloroflexi	Anaerolineaceae	Anaerolineaceae UCG-001	NA
332	ASV533	0.000379460308451736	3W_11	Actinobacteriota	Kineosporiaceae	Kineosporia	rhamnosa
333	ASV465	0.000378849992366455	3W_8	Actinobacteriota	Micromonosporaceae	Salinispora	NA
334	ASV538	0.000376160653595634	3W_11	Bdellovibrionota	Bacteriovoracaceae	Peredibacter	starii
335	ASV6	0.000366584474568684	3B_8	Proteobacteria	Caulobacteraceae	Phenylbacterium	NA
336	ASV834	0.000366261689027328	3W_11	Proteobacteria	Xanthobacteraceae	Pseudolabrys	NA
337	ASV552	0.000362962034171226	3W_11	Proteobacteria	Rhodocyclaceae	Propionivibrio	NA
338	ASV553	0.000362962034171226	3W_11	Proteobacteria	Acetobacteraceae	Roseomonas	tokyonensis
339	ASV63	0.000362725690625856	3B_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	sanxanigenens
340	ASV1004	0.00035306306960292	3W_11	Verrucomicrobiota	Pedosphaeraceae	Ellin517	NA
341	ASV870	0.00035306306960292	3W_11	Chloroflexi	Chloroflexaceae	FFCH7168	NA

342	ASV770	0.000349763414746818	3W_11	Proteobacteria	Sphingomonadaceae	Erythrobacter	NA
343	ASV569	0.000349763414746817	3W_11	Proteobacteria	Comamonadaceae	Polaromonas	eurypsychrophila
344	ASV94	0.000349286872635037	3B_11	Proteobacteria	Moraxellaceae	Enhydrobacter	aerosaccus
345	ASV205	0.000346463759890715	3W_11	Bacteroidota	Weeksellaceae	Cloacibacterium	NA
346	ASV1045	0.000343164105034613	3W_11	Proteobacteria	Hyphomicrobiaceae	Pedomicrobium	NA
347	ASV585	0.000343164105034613	3W_11	Planctomycetota	Gemmataceae	Zavarzinella	NA
348	ASV379	0.000336564795322409	3W_11	Firmicutes	Planococcaceae	Solibacillus	NA
349	ASV592	0.000336564795322409	3W_11	Proteobacteria	Sphingomonadaceae	Sphingourantiacus	NA
350	ASV787	0.000336564795322409	3W_11	Proteobacteria	Sphingomonadaceae	Qipengyuania	NA
351	ASV363	0.000336441411131404	3W_8	Proteobacteria	Nitrosomonadaceae	Ellin6067	NA
352	ASV596	0.00033265140466307	3W_11	Proteobacteria	Xanthomonadaceae	Arenimonas	aquatica
353	ASV461	0.000330786933633398	3W_8	Firmicutes	Family XI	Peptoniphilus	NA
354	ASV615	0.000320066521041899	3W_11	Proteobacteria	Sphingomonadaceae	Sphingourantiacus	polygranulatus
355	ASV441	0.000316766866185797	3W_11	Firmicutes	Bacillaceae	Bacillus	NA
356	ASV620	0.000316766866185797	3W_11	Actinobacteriota	Micrococcaceae	Glutamicibacter	NA
357	ASV732	0.000316766866185797	3W_11	Bacteroidota	Chitinophagaceae	Flavitalea	NA
358	ASV625	0.000313467211329695	3W_11	Proteobacteria	Comamonadaceae	Caenimonas	NA
359	ASV630	0.000310167556473593	3W_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	bambusae
360	ASV637	0.000306867901617491	3W_11	Proteobacteria	Moraxellaceae	Alkanindiges	illinoisensis
361	ASV56	0.000303568246761389	3W_11	Proteobacteria	Comamonadaceae	Rhodofera	NA
362	ASV641	0.000303568246761389	3W_11	Actinobacteriota	Microbacteriaceae	Marisediminicola	NA
363	ASV568	0.000302514546143364	3W_8	Bacteroidota	Chitinophagaceae	Sediminibacterium	NA
364	ASV646	0.000300268591905287	3W_11	Proteobacteria	Sphingomonadaceae	Sphingosinicella	solii
365	ASV649	0.000300268591905287	3W_11	Proteobacteria	Acetobacteraceae	Rubritepida	NA
366	ASV650	0.000300268591905287	3W_11	Actinobacteriota	Intrasporangiaceae	Tetrasphaera	NA
367	ASV185	0.000299388747972889	3B_11	Actinobacteriota	Corynebacteriaceae	Turicella	otitidis
368	ASV911	0.000299388747972889	3B_11	Proteobacteria	Parvularculaceae	Amphiplicatus	NA
369	ASV667	0.000290369627336981	3W_11	Bacteroidota	Chitinophagaceae	Dinghuibacter	NA
370	ASV17	0.000287069972480879	3W_11	Bacteroidota	Chitinophagaceae	Sediminibacterium	salmonum
371	ASV676	0.000287069972480879	3W_11	Proteobacteria	Devosiaceae	Devosia	geojensis
372	ASV677	0.000287069972480879	3W_11	Verrucomicrobiota	Chthoniobacteraceae	Candidatus Udaeobacter	NA
373	ASV696	0.000277171007912572	3W_11	Verrucomicrobiota	Opitutaceae	Diplosphaera	NA
374	ASV211	0.000277069397402333	3W_8	Proteobacteria	Rhodobacteraceae	Paracoccus	NA
375	ASV73	0.000273973659940806	3B_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	NA
376	ASV1128	0.00027387135305647	3W_11	Proteobacteria	Alcaligenaceae	Verticella	NA
377	ASV698	0.00027387135305647	3W_11	Myxococcota	Myxococcaceae	Corallocooccus	NA
378	ASV973	0.00027387135305647	3W_11	Bacteroidota	Microscillaceae	Ohtaekwangia	NA
379	ASV710	0.000270571698200368	3W_11	Proteobacteria	Xanthobacteraceae	Tardiphaga	NA
380	ASV712	0.000270571698200368	3W_11	Bacteroidota	Hymenobacteraceae	Adhaeribacter	NA
381	ASV715	0.000267272043344266	3W_11	Bacteroidota	Prevotellaceae	Prevotella	intermedia
382	ASV35	0.000265760442406319	3W_8	Actinobacteriota	Mycobacteriaceae	Mycobacterium	NA
383	ASV718	0.000263972388488164	3W_11	Verrucomicrobiota	Opitutaceae	Cephaloticooccus	NA
384	ASV724	0.000263972388488164	3W_11	Bacteroidota	Chitinophagaceae	Terrimonas	crocea
385	ASV86	0.000263972388488164	3W_11	Myxococcota	Myxococcaceae	P3OB-42	NA
386	ASV639	0.000262933203657316	3W_8	Actinobacteriota	Streptosporangiaceae	Sphaerisporangium	NA
387	ASV738	0.000260672733632062	3W_11	Actinobacteriota	Nakamurellaceae	Nakamurella	flavida
388	ASV644	0.000260105964908313	3W_8	Proteobacteria	Acetobacteraceae	Roseomonas	frigidaquae
389	ASV932	0.00025737307877596	3W_11	Acidobacteriota	Vicinambacteraceae	Luteitalea	NA
390	ASV65	0.000254451487410306	3W_8	Proteobacteria	Beijerinckiaceae	Bosea	NA

391	ASV659	0.000254451487410306	3W_8	Actinobacteriota	Cellulomonadaceae	Actinotalea	NA
392	ASV716	0.000254451487410306	3W_8	Planctomycetota	Pirellulaceae	Rhodopirellula	NA
393	ASV713	0.000250773769063756	3W_11	Firmicutes	Family XI	Finegoldia	magna
394	ASV758	0.000250773769063756	3W_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	saccharophilum
395	ASV759	0.000250773769063756	3W_11	Proteobacteria	Devosiaceae	Devosia	psychrophila
396	ASV13	0.000249490623310741	3B_11	Actinobacteriota	Nocardioideae	Aeromicrobium	alkaliterrae
397	ASV961	0.000248797009912299	3W_8	Actinobacteriota	Micrococcaceae	Kocuria	NA
398	ASV772	0.000244174459351552	3W_11	Proteobacteria	Solimonadaceae	Panacagrimonas	NA
399	ASV773	0.000244174459351552	3W_11	Proteobacteria	Comamonadaceae	Mitsuaria	NA
400	ASV325	0.00024087480449545	3W_11	Firmicutes	Streptococcaceae	Streptococcus	NA
401	ASV786	0.00024087480449545	3W_11	Actinobacteriota	Solirubrobacteraceae	Parviterribacter	NA
402	ASV792	0.000237575149639348	3W_11	Proteobacteria	Oxalobacteraceae	Massilia	timonae
403	ASV913	0.000237575149639348	3W_11	Firmicutes	Veillonellaceae	Veillonella	NA
404	ASV121	0.000237016092145204	3B_11	Actinobacteriota	Corynebacteriaceae	Lawsonella	clevelandensis
405	ASV701	0.000234660816167282	3W_8	Actinobacteriota	Thermomonosporaceae	Actinoallomurus	bryophytorum
406	ASV814	0.000230975839927144	3W_11	Proteobacteria	Solimonadaceae	Fontimonas	NA
407	ASV379	0.000228699738034846	3B_11	Firmicutes	Planococcaceae	Solibacillus	NA
408	ASV818	0.000227676185071042	3W_11	Proteobacteria	Comamonadaceae	Azohydromonas	lata
409	ASV730	0.000226179099920272	3W_8	Actinobacteriota	Streptosporangiaceae	Sphaerimonospora	NA
410	ASV22	0.000223809468684039	3B_8	Proteobacteria	Sphingomonadaceae	Plot4-2H12	NA
411	ASV857	0.000221076875358837	3W_11	Bacteroidota	Microscillaceae	Flexibacter	NA
412	ASV1190	0.000221076875358837	3W_11	Proteobacteria	Labraceae	Labrys	NA
413	ASV838	0.000221076875358837	3W_11	Proteobacteria	Azospirillaceae	Skermanella	aerolata
414	ASV840	0.000221076875358837	3W_11	Actinobacteriota	Solirubrobacteraceae	JCM 18997	NA
415	ASV978	0.000220383383924487	3B_11	Planctomycetota	Phycisphaeraceae	SM1A02	NA
416	ASV846	0.00021777220502735	3W_11	Bacteroidota	Saprospiraceae	Aureispira	NA
417	ASV847	0.00021777220502735	3W_11	Verrucomicrobiota	Opitutaceae	Lacunisphaera	limnophila
418	ASV850	0.00021777220502735	3W_11	Myxococcota	Anaeromyxobacteraceae	Anaeromyxobacter	NA
419	ASV951	0.00021777220502735	3W_11	Proteobacteria	Burkholderiaceae	Lautropia	NA
420	ASV865	0.000214870144924258	3W_8	Actinobacteriota	Micrococcaceae	Micrococcus	NA
421	ASV19	0.000214477565646633	3W_11	Proteobacteria	Xanthobacteraceae	Afipia	NA
422	ASV864	0.000214477565646633	3W_11	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	daqingensis
423	ASV1065	0.000214477565646633	3W_11	Bacteroidota	Spirosomaceae	Larkinella	NA
424	ASV230	0.000212067029814129	3B_11	Proteobacteria	Sphingomonadaceae	Sphingorhabdus	NA
425	ASV325	0.000212067029814129	3B_11	Firmicutes	Streptococcaceae	Streptococcus	NA
426	ASV868	0.000211177910790531	3W_11	Bacteroidota	Cytophagaceae	Siphonobacter	NA
427	ASV875	0.000211177910790531	3W_11	Firmicutes	Planococcaceae	Planococcus	NA
428	ASV1092	0.000207878255934429	3W_11	Myxococcota	Polyangiaceae	Pajarellobacter	NA
429	ASV879	0.000207878255934429	3W_11	Bacteroidota	Porphyromonadaceae	Porphyromonas	gingivalis
430	ASV882	0.000207878255934429	3W_11	Proteobacteria	Oxalobacteraceae	Duganella	zoogloeoides
431	ASV889	0.000207878255934429	3W_11	Proteobacteria	Beijerinckiaceae	Methylobacterium-Methylor	NA
432	ASV53	0.000201278946222225	3W_11	Proteobacteria	Oxalobacteraceae	Undibacterium	parvum
433	ASV904	0.000201278946222225	3W_11	Bacteroidota	Spirosomaceae	Larkinella	terrae
434	ASV961	0.000201278946222225	3W_11	Actinobacteriota	Micrococcaceae	Kocuria	NA
435	ASV1161	0.000199592498648592	3B_11	Verrucomicrobiota	Parachlamydiaceae	Candidatus Protochlamydia	NA
436	ASV901	0.000199592498648592	3B_11	Proteobacteria	Sphingomonadaceae	DSSF69	NA
437	ASV729	0.000197979291366123	3W_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	genitalium
438	ASV928	0.000194679636510021	3W_11	Actinobacteriota	Micrococcaceae	Neomicrococcus	aestuarii
439	ASV938	0.000191379981653919	3W_11	Proteobacteria	Sphingomonadaceae	Novosphingobium	ginsenosidimutans

440	ASV939	0.000191379981653919	3W_11	Proteobacteria	Rhodocyclaceae	Uliginosibacterium	sedimnicola
441	ASV943	0.000191379981653919	3W_11	Actinobacteriota	Micrococcaceae	Yaniella	NA
442	ASV979	0.000191379981653919	3W_11	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	NA
443	ASV70	0.000191276144538234	3B_11	Proteobacteria	Oxalobacteraceae	Massilia	NA
444	ASV947	0.000188080326797817	3W_11	Proteobacteria	Rhodanobacteraceae	Tahibacter	NA
445	ASV1174	0.000188080326797817	3W_11	Bacteroidota	Saprospiraceae	OLB8	NA
446	ASV852	0.000186597757434224	3W_8	Spirochaetota	Spirochaetaceae	Spirochaeta	NA
447	ASV853	0.000186597757434224	3W_8	Firmicutes	Paenibacillaceae	Paenibacillus	NA
448	ASV854	0.000186597757434224	3W_8	Firmicutes	Lactobacillaceae	Ligilactobacillus	NA
449	ASV1391	0.000184780671941715	3W_11	Myxococgota	Phaselicytidaceae	Phaselicystis	NA
450	ASV956	0.000184780671941715	3W_11	Proteobacteria	Oxalobacteraceae	Oxalibacterium	NA
451	ASV958	0.000184780671941715	3W_11	Proteobacteria	Sphingomonadaceae	Polymorphobacter	NA
452	ASV680	0.000183770518685221	3W_8	Actinobacteriota	Bifidobacteriaceae	Bifidobacterium	NA
453	ASV1135	0.000181481017085613	3W_11	Verrucomicrobiota	Terrimicrobiaceae	Terrimicrobium	NA
454	ASV149	0.000181481017085613	3W_11	Actinobacteriota	Micrococcaceae	Nesterenkonia	NA
455	ASV63	0.000180943279936217	3W_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	sanxanigenens
456	ASV970	0.000178181362229511	3W_11	Proteobacteria	Alcaligenaceae	Parvibium	NA
457	ASV972	0.000178181362229511	3W_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	digitatis
458	ASV185	0.000178116041187214	3W_8	Actinobacteriota	Corynebacteriaceae	Turicella	otitidis
459	ASV899	0.000175288802438211	3W_8	Proteobacteria	Comamonadaceae	Malikia	NA
460	ASV980	0.000174881707373409	3W_11	Proteobacteria	Erwiniaceae	Pantoea	NA
461	ASV985	0.000174881707373409	3W_11	Proteobacteria	Acidithiobacillaceae	KCM-B-112	NA
462	ASV992	0.000174881707373409	3W_11	Actinobacteriota	Kineosporiaceae	Quadrisphaera	NA
463	ASV83	0.000174643436317518	3B_11	Proteobacteria	Moraxellaceae	Acinetobacter	NA
464	ASV1005	0.000171582052517307	3W_11	Bacteroidota	Sphingobacteriaceae	Solitalea	NA
465	ASV999	0.000171582052517307	3W_11	Actinobacteriota	Microbacteriaceae	Cryobacterium	NA
466	ASV1015	0.000168282397661205	3W_11	Proteobacteria	Xanthobacteraceae	Pseudorhodoplanes	NA
467	ASV1260	0.000168282397661205	3W_11	Firmicutes	Lactobacillaceae	Lactobacillus	NA
468	ASV33	0.000165927709541615	3B_8	Proteobacteria	Comamonadaceae	Rhizobacter	NA
469	ASV1018	0.000164982742805103	3W_11	Firmicutes	Carnobacteriaceae	Desemzia	incerta
470	ASV1019	0.000164982742805103	3W_11	Proteobacteria	Oxalobacteraceae	Janthinobacterium	NA
471	ASV1031	0.000161683087949001	3W_11	Proteobacteria	Acetobacteraceae	Rhodovastum	NA
472	ASV1042	0.000158383433092898	3W_11	Bacteroidota	Weeksellaceae	Empedobacter	NA
473	ASV1043	0.000158383433092898	3W_11	Proteobacteria	Comamonadaceae	Hylemonella	NA
474	ASV993	0.000158383433092898	3W_11	Bacteroidota	Dysgonomonadaceae	Proteiniphilum	acetatigenes
475	ASV16	0.000158210141655959	3B_8	Proteobacteria	Comamonadaceae	Limnohabitans	NA
476	ASV865	0.000158010728096802	3B_11	Actinobacteriota	Micrococcaceae	Micrococcus	NA
477	ASV36	0.00015435135771313	3B_8	Proteobacteria	Sphingomonadaceae	Novosphingobium	NA
478	ASV1171	0.000153852551041623	3B_11	Actinobacteriota	Micrococcaceae	Citricoccus	NA
479	ASV1064	0.000151784123380694	3W_11	Proteobacteria	Comamonadaceae	Methylibium	NA
480	ASV1066	0.000151784123380694	3W_11	Proteobacteria	Rhizobiaceae	Shinella	NA
481	ASV1069	0.000151784123380694	3W_11	Bacteroidota	Saprospiraceae	Lewinella	NA
482	ASV1096	0.000151784123380694	3W_11	Verrucomicrobiota	Pedosphaeraceae	SH3-11	NA
483	ASV760	0.000151784123380694	3W_11	Firmicutes	Bacillaceae	Anoxybacillus	NA
484	ASV994	0.00014984365369718	3W_8	Firmicutes	Ruminococcaceae	Ruminococcus	NA
485	ASV1072	0.000148484468524592	3W_11	Actinobacteriota	Solirubrobacteraceae	Solirubrobacter	taibaiensis
486	ASV1301	0.000148484468524592	3W_11	Actinobacteriota	Micromonosporaceae	Catenuloplanes	NA
487	ASV1363	0.000148484468524592	3W_11	Proteobacteria	Defluviococcaceae	Defluviococcus	NA
488	ASV1087	0.00014518481366849	3W_11	Chloroflexi	Caldilineaceae	Litorilinea	NA

489	ASV1308	0.00014518481366849	3W_11	Bacteroidota	Microscillaceae	OLB12	NA
490	ASV1393	0.00014518481366849	3W_11	Proteobacteria	Beijerinckiaceae	Psychroglacielcola	NA
491	ASV912	0.00014518481366849	3W_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	kroppenstedtii
492	ASV83	0.000144189176199173	3W_8	Proteobacteria	Moraxellaceae	Acinetobacter	NA
493	ASV1105	0.000141885158812388	3W_11	Actinobacteriota	Microtrichaceae	IMCC26207	NA
494	ASV1106	0.000141885158812388	3W_11	Proteobacteria	Comamonadaceae	Comamonas	jiangduensis
495	ASV936	0.00014136193745017	3W_8	Verrucomicrobiota	Parachlamydiaceae	Neochlamydia	NA
496	ASV1115	0.000138585503956286	3W_11	Gemmatimonadota	Longimicrobiaceae	Longimicrobium	NA
497	ASV1116	0.000138585503956286	3W_11	Actinobacteriota	Cellulomonadaceae	Cellulomonas	NA
498	ASV1119	0.000138585503956286	3W_11	Proteobacteria	Enterobacteriaceae	Escherichia-Shigella	NA
499	ASV1132	0.000135285849100184	3W_11	Actinobacteriota	Nocardiodaceae	Aeromicrobium	choanae
500	ASV568	0.000135285849100184	3W_11	Bacteroidota	Chitinophagaceae	Sediminibacterium	NA
501	ASV935	0.00013288022120316	3W_8	Firmicutes	Carnobacteriaceae	Granulicatella	NA
502	ASV1142	0.000131986194244082	3W_11	Proteobacteria	Rhizobiaceae	Pseudorhizobium	NA
503	ASV1161	0.000131986194244082	3W_11	Verrucomicrobiota	Parachlamydiaceae	Candidatus Protochlamydia	NA
504	ASV1154	0.00012868653938798	3W_11	Proteobacteria	Cellvibrionaceae	Cellvibrio	fulvus
505	ASV1669	0.000125386884531878	3W_11	Gemmatimonadota	Gemmatimonadaceae	Roseisolibacter	NA
506	ASV680	0.000125386884531878	3W_11	Actinobacteriota	Bifidobacteriaceae	Bifidobacterium	NA
507	ASV1165	0.000125386884531878	3W_11	Proteobacteria	Rhodobacteraceae	Tabrizicola	NA
508	ASV1221	0.000125386884531878	3W_11	Abditibacteriota	Abditibacteriaceae	Abditibacterium	NA
509	ASV212	0.00012474531165537	3B_11	Proteobacteria	Halomonadaceae	Halomonas	NA
510	ASV1095	0.00012439850495615	3W_8	Chloroflexi	Anaerolineaceae	Levilinea	saccharolytica
511	ASV186	0.000123481086170504	3B_8	Proteobacteria	Sphingomonadaceae	Porphyrobacter	NA
512	ASV1178	0.000122087229675776	3W_11	Proteobacteria	Pseudomonadaceae	Pseudomonas	oleovorans
513	ASV1179	0.000122087229675776	3W_11	Actinobacteriota	Solirubrobacteraceae	Conexibacter	NA
514	ASV1183	0.000122087229675776	3W_11	Fibrobacterota	Fibrobacteraceae	possible genus 04	NA
515	ASV1187	0.000122087229675776	3W_11	Proteobacteria	Burkholderiaceae	Limnobacter	NA
516	ASV853	0.000122087229675776	3W_11	Firmicutes	Paenibacillaceae	Paenibacillus	NA
517	ASV978	0.000122087229675776	3W_11	Planctomycetota	Phycisphaeraceae	SM1A02	NA
518	ASV361	0.000120587134600191	3B_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	suicordis
519	ASV79	0.000120587134600191	3B_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	NA
520	ASV1195	0.000118787574819674	3W_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	kaistensis
521	ASV1335	0.000116428957545012	3B_11	Firmicutes	Bacillaceae	Anaerobacillus	NA
522	ASV1094	0.000115487919963572	3W_11	Actinobacteriota	Dermabacteraceae	Brachybacterium	NA
523	ASV1208	0.000115487919963572	3W_11	Proteobacteria	Acetobacteraceae	Craurococcus-Caldovatus	NA
524	ASV234	0.000112270780489833	3B_11	Firmicutes	Bacillaceae	Ornithinibacillus	NA
525	ASV109	0.00011218826510747	3W_11	Verrucomicrobiota	Omnitrophaceae	Candidatus Omnitrophus	NA
526	ASV1214	0.00011218826510747	3W_11	Proteobacteria	Alcaligenaceae	Eoetvoesia	caeni
527	ASV1230	0.00011218826510747	3W_11	Proteobacteria	Rhodocyclaceae	Sulfuritalea	NA
528	ASV1247	0.000108888610251368	3W_11	Cyanobacteria	Coleofasciculaceae	Wilmottia Ant-Ph58	NA
529	ASV1544	0.000108888610251368	3W_11	Proteobacteria	Rhizobiaceae	Pseudochrobactrum	NA
530	ASV268	0.000108112603434654	3B_11	Proteobacteria	Moraxellaceae	Acinetobacter	lwoffii
531	ASV1170	0.000107435072462129	3W_8	Firmicutes	Lachnospiraceae	Lachnoanaerobaculum	NA
532	ASV1251	0.000105588955395266	3W_11	Armatimonadota	Fimbriimonadaceae	Fimbriimonas	NA
533	ASV1257	0.000105588955395266	3W_11	Actinobacteriota	Kineosporiaceae	Kineosporia	NA
534	ASV1268	0.000105588955395266	3W_11	Proteobacteria	Sphingomonadaceae	Parablastomonas	NA
535	ASV1277	0.000102289300539164	3W_11	Bacteroidota	Hymenobacteraceae	Hymenobacter	psychrophilus
536	ASV1286	0.000102289300539164	3W_11	Proteobacteria	Rhizobiaceae	Pseudaminobacter	NA
537	ASV1291	0.000102289300539164	3W_11	Firmicutes	Lachnospiraceae	Oribacterium	sinus

538	ASV467	0.000102289300539164	3W_11	Proteobacteria	Sphingomonadaceae	Blastomonas	NA
539	ASV65	0.000100328382513535	3B_8	Proteobacteria	Beijerinckiaceae	Bosea	NA
540	ASV1296	9.89896456830616e-05	3W_11	Bacteroidota	Cytophagaceae	Rhodocytophaga	NA
541	ASV1299	9.89896456830616e-05	3W_11	Actinobacteriota	Actinomycetaceae	Actinomyces	NA
542	ASV1304	9.89896456830616e-05	3W_11	Proteobacteria	Sphingomonadaceae	Sandaracinobacter	NA
543	ASV1306	9.89896456830616e-05	3W_11	Verrucomicrobiota	Parachlamydiaceae	Candidatus Metachlamydia	NA
544	ASV1310	9.89896456830616e-05	3W_11	Cyanobacteria	Chroococciopsaceae	Aliterella	NA
545	ASV1583	9.89896456830616e-05	3W_11	Planctomycetota	Isosphaeraceae	Paludisphaera	NA
546	ASV1421	9.56380722691172e-05	3B_11	Proteobacteria	Pseudoalteromonadaceae	Pseudoalteromonas	NA
547	ASV1337	9.23903359708574e-05	3W_11	Firmicutes	Thermicanaceae	Thermicanus	NA
548	ASV1346	9.23903359708574e-05	3W_11	Proteobacteria	Nitrosomonadaceae	Nitrosomonas	NA
549	ASV1450	9.23903359708574e-05	3W_11	Proteobacteria	Paracaedibacteraceae	Candidatus Paracaedibacter	NA
550	ASV1607	9.23903359708574e-05	3W_11	Chloroflexi	A4b	OLB13	NA
551	ASV333	9.23903359708574e-05	3W_11	Proteobacteria	Oxalobacteraceae	Undibacterium	NA
552	ASV1366	8.57910262586533e-05	3W_11	Proteobacteria	Sphingomonadaceae	Sphingobium	sufflavum
553	ASV1369	8.57910262586533e-05	3W_11	Proteobacteria	Nitrosomonadaceae	oc32	NA
554	ASV1371	8.57910262586533e-05	3W_11	Proteobacteria	Caedibacteraceae	Caedibacter	NA
555	ASV1315	8.48171624701019e-05	3W_8	Firmicutes	Paenibacillaceae	Ammonibacillus	agariperforans
556	ASV760	8.48171624701019e-05	3W_8	Firmicutes	Bacillaceae	Anoxybacillus	NA
557	ASV1423	8.31635411035802e-05	3B_11	Actinobacteriota	Brevibacteriaceae	Brevibacterium	NA
558	ASV1505	8.31635411035802e-05	3B_11	Proteobacteria	Oxalobacteraceae	Actimicrobium	NA
559	ASV1379	8.24913714025513e-05	3W_11	Patescibacteria	Saccharimonadaceae	TM7a	NA
560	ASV1385	8.24913714025513e-05	3W_11	Proteobacteria	Rhodobacteraceae	Cereibacter	NA
561	ASV93	8.24913714025513e-05	3W_11	Proteobacteria	Xanthobacteraceae	Rhodoplanes	NA
562	ASV70	8.19899237210986e-05	3W_8	Proteobacteria	Oxalobacteraceae	Massilia	NA
563	ASV1403	7.91917165464492e-05	3W_11	Planctomycetota	Gemmataceae	Telmatocola	NA
564	ASV1410	7.91917165464492e-05	3W_11	Proteobacteria	Moraxellaceae	Alkanindiges	NA
565	ASV1417	7.91917165464492e-05	3W_11	Actinobacteriota	Micromonosporaceae	Virgisporangium	NA
566	ASV461	7.90053640484012e-05	3B_11	Firmicutes	Family XI	Peptoniphilus	NA
567	ASV936	7.90053640484012e-05	3B_11	Verrucomicrobiota	Parachlamydiaceae	Neochlamydia	NA
568	ASV230	7.71756788565651e-05	3B_8	Proteobacteria	Sphingomonadaceae	Sphingorhabdus	NA
569	ASV82	7.71756788565651e-05	3B_8	Proteobacteria	Caulobacteraceae	Brevundimonas	NA
570	ASV1425	7.58920616903472e-05	3W_11	Proteobacteria	Rhizobiaceae	Neorhizobium	NA
571	ASV1449	7.58920616903472e-05	3W_11	Proteobacteria	Acetobacteraceae	Roseomonas	aquatica
572	ASV1527	7.58920616903472e-05	3W_11	Proteobacteria	Beijerinckiaceae	1174-901-12	NA
573	ASV961	7.48471869932222e-05	3B_11	Actinobacteriota	Micrococcaceae	Kocuria	NA
574	ASV1467	7.25924068342451e-05	3W_11	Proteobacteria	Xanthomonadaceae	Lysobacter	dokdonensis
575	ASV1470	7.25924068342451e-05	3W_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	philippinensis
576	ASV865	7.25924068342451e-05	3W_11	Actinobacteriota	Micrococcaceae	Micrococcus	NA
577	ASV1401	7.0680968725085e-05	3W_8	Firmicutes	Christensenellaceae	Christensenellaceae R-7 grc	NA
578	ASV293	7.0680968725085e-05	3W_8	Proteobacteria	Sphingomonadaceae	Altererythrobacter	NA
579	ASV1401	6.92927519781431e-05	3W_11	Firmicutes	Christensenellaceae	Christensenellaceae R-7 grc	NA
580	ASV1480	6.92927519781431e-05	3W_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	hunanensis
581	ASV1485	6.92927519781431e-05	3W_11	Proteobacteria	Rickettsiaceae	Candidatus Cryptoprodotis	NA
582	ASV1487	6.92927519781431e-05	3W_11	Actinobacteriota	Nocardioideaceae	Nocardioides	ginkgobilobae
583	ASV1491	6.92927519781431e-05	3W_11	Proteobacteria	Rhizobiaceae	Aliihoeflea	aestuarii
584	ASV1492	6.92927519781431e-05	3W_11	Proteobacteria	Rhodobacteraceae	Amaricoccus	kaplicensis
585	ASV1574	6.78537299760816e-05	3W_8	Bacteroidota	Prevotellaceae	Prevotella_7	NA
586	ASV1212	6.65308328828641e-05	3B_11	Proteobacteria	Beijerinckiaceae	Methylocella	NA

587	ASV912	6.65308328828641e-05	3B_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	kroppenstedtii
588	ASV1512	6.5993097122041e-05	3W_11	Proteobacteria	Devosiaceae	Arsenicitalea	NA
589	ASV1453	6.50264912270782e-05	3W_8	Chloroflexi	Anaerolineaceae	Anaerolinea	NA
590	ASV441	6.50264912270782e-05	3W_8	Firmicutes	Bacillaceae	Bacillus	NA
591	ASV1547	6.2693442265939e-05	3W_11	Firmicutes	Planococcaceae	Domibacillus	NA
592	ASV1556	6.2693442265939e-05	3W_11	Bacteroidota	Weeksellaceae	Moheibacter	sediminis
593	ASV1200	5.93937874098369e-05	3W_11	Firmicutes	Ruminococcaceae	Paludicola	NA
594	ASV1212	5.93937874098369e-05	3W_11	Proteobacteria	Bejerinckiaceae	Methylocella	NA
595	ASV1562	5.93937874098369e-05	3W_11	Proteobacteria	Hydrogenophilaceae	Tepidiphilus	succinatimandens
596	ASV1569	5.93937874098369e-05	3W_11	Bacteroidota	Prevotellaceae	Prevotella_7	melaninogenica
597	ASV534	5.93937874098369e-05	3W_11	Chloroflexi	Anaerolineaceae	Anaerolineaceae UCG-001	NA
598	ASV1504	5.93720137290714e-05	3W_8	Proteobacteria	Dongiaceae	Dongia	NA
599	ASV1535	5.6544774980068e-05	3W_8	Proteobacteria	Neisseriaceae	Neisseria	NA
600	ASV729	5.6544774980068e-05	3W_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	genitium
601	ASV142	5.60941325537349e-05	3W_11	Bacteroidota	Sphingobacteriaceae	Sphingobacterium	NA
602	ASV1579	5.60941325537349e-05	3W_11	Proteobacteria	Puniceispirillales Incertae Se	Constrictibacter	NA
603	ASV1585	5.60941325537349e-05	3W_11	Firmicutes	Bacillaceae	Pseudograticibacillus	NA
604	ASV1586	5.60941325537349e-05	3W_11	Bacteroidota	Spirosomaceae	Spirosoma	NA
605	ASV1595	5.60941325537349e-05	3W_11	Proteobacteria	Rhizobiales Incertae Sedis	Alsobacter	metallidurans
606	ASV1691	5.40563017173271e-05	3B_11	Firmicutes	Family XI	Anaerococcus	NA
607	ASV1618	5.27944776976328e-05	3W_11	Proteobacteria	Sphingomonadaceae	Sphingorhabdus	wooponensis
608	ASV1200	5.08902974820612e-05	3W_8	Firmicutes	Ruminococcaceae	Paludicola	NA
609	ASV1572	5.08902974820612e-05	3W_8	Firmicutes	Lachnospiraceae	Mobilitalea	NA
610	ASV1573	5.08902974820612e-05	3W_8	Proteobacteria	Burkholderiaceae	Ralstonia	NA
611	ASV1633	4.94948228415308e-05	3W_11	Planctomycetota	Rubinisphaeraceae	Planctomicrobium	NA
612	ASV1635	4.94948228415308e-05	3W_11	Actinobacteriota	Dietziaceae	Dietzia	NA
613	ASV1636	4.94948228415308e-05	3W_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	sarveparensis
614	ASV1637	4.94948228415308e-05	3W_11	Firmicutes	Clostridiaceae	Clostridium sensu stricto 1	butyricum
615	ASV125	4.63054073139391e-05	3B_8	Proteobacteria	Nitrosomonadaceae	MND1	NA
616	ASV1670	4.61951679854287e-05	3W_11	Planctomycetota	Isosphaeraceae	Aquisphaera	NA
617	ASV1672	4.61951679854287e-05	3W_11	Actinobacteriota	Illumatobacteraceae	CL500-29 marine group	NA
618	ASV1674	4.61951679854287e-05	3W_11	Bacteroidota	Saprospiraceae	Haliscomenobacter	NA
619	ASV1682	4.61951679854287e-05	3W_11	Proteobacteria	Porticoccaceae	C1-B045	NA
620	ASV1684	4.61951679854287e-05	3W_11	Proteobacteria	Rhodobacteraceae	Amaricoccus	tamworthensis
621	ASV1686	4.61951679854287e-05	3W_11	Firmicutes	Gemellaceae	Gemella	NA
622	ASV1688	4.61951679854287e-05	3W_11	Bacteroidota	Saprospiraceae	Phaeodactylibacter	NA
623	ASV2	4.24466233711108e-05	3B_8	Proteobacteria	Solimonadaceae	Polycyclovorans	NA
624	ASV1371	4.2408581235051e-05	3W_8	Proteobacteria	Caedibacteraceae	Caedibacter	NA
625	ASV150	4.15817705517901e-05	3B_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	NA
626	ASV365	4.15817705517901e-05	3B_11	Actinobacteriota	Micrococcaceae	Paenarthrobacter	NA
627	ASV1724	3.95958582732246e-05	3W_11	Actinobacteriota	Streptosporangiales Incertae	Motilibacter	NA
628	ASV1741	3.95958582732246e-05	3W_11	Actinobacteriota	Rubrobacteriaceae	Rubrobacter	NA
629	ASV1747	3.95958582732246e-05	3W_11	Proteobacteria	Caulobacteraceae	PMMR1	NA
630	ASV45	3.95958582732246e-05	3W_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	koreensis
631	ASV935	3.95958582732246e-05	3W_11	Firmicutes	Carnobacteriaceae	Granulicatella	NA
632	ASV186	3.95813424860476e-05	3W_8	Proteobacteria	Sphingomonadaceae	Porphyrobacter	NA
633	ASV1787	3.85878394282826e-05	3B_8	Proteobacteria	Methylophilaceae	Methylophilus	NA
634	ASV1818	3.74235934966111e-05	3B_11	Firmicutes	Staphylococcaceae	Jeotgalicoccus	NA
635	ASV300	3.74235934966111e-05	3B_11	Proteobacteria	Xanthobacteraceae	Rhodopseudomonas	NA

636	ASV84	3.74235934966111e-05	3B_11	Proteobacteria	Comamonadaceae	Hydrogenophaga	NA
637	ASV901	3.67541037370442e-05	3W_8	Proteobacteria	Sphingomonadaceae	DSSF69	NA
638	ASV1761	3.62962034171226e-05	3W_11	Armatimonadota	Armatimonadaceae	Armatimonas	NA
639	ASV1769	3.62962034171226e-05	3W_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	lignilitoris
640	ASV312	3.39268649880408e-05	3W_8	Proteobacteria	Comamonadaceae	Aquabacterium	NA
641	ASV379	3.39268649880408e-05	3W_8	Firmicutes	Planococcaceae	Solibacillus	NA
642	ASV1840	3.32654164414321e-05	3B_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	jeikeium
643	ASV1811	3.29965485610205e-05	3W_11	Bacteroidota	Chitinophagaceae	Chitinophaga	NA
644	ASV1780	3.10996262390374e-05	3W_8	Proteobacteria	Rhodocyclaceae	Thauera	NA
645	ASV57	3.10996262390374e-05	3W_8	Bacteroidota	Cyclobacteriaceae	Algoriphagus	NA
646	ASV1821	2.96968937049185e-05	3W_11	Actinobacteriota	Gaiellaceae	Gaiella	NA
647	ASV1828	2.96968937049185e-05	3W_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	atraurantiacus
648	ASV1835	2.96968937049185e-05	3W_11	Actinobacteriota	Frankiaceae	Jatrophihabitans	NA
649	ASV1879	2.91072393862531e-05	3B_11	Bacteroidota	Hymenobacteraceae	Hymenobacter	NA
650	ASV913	2.91072393862531e-05	3B_11	Firmicutes	Veillonellaceae	Veillonella	NA
651	ASV1815	2.8272387490034e-05	3W_8	Bacteroidota	Paludibacteraceae	Paludibacter	NA
652	ASV26	2.8272387490034e-05	3W_8	Proteobacteria	Devosiaceae	Devosia	NA
653	ASV138	2.70114875997978e-05	3B_8	Firmicutes	Planococcaceae	Planomicrobium	NA
654	ASV185	2.70114875997978e-05	3B_8	Actinobacteriota	Corynebacteriaceae	Turicella	otitidis
655	ASV1881	2.70114875997978e-05	3B_8	Bacteroidota	Prevotellaceae	Prevotella	timonensis
656	ASV71	2.70114875997978e-05	3B_8	Proteobacteria	Ferrovibrionaceae	Ferrovibrio	NA
657	ASV1574	2.63972388488164e-05	3W_11	Bacteroidota	Prevotellaceae	Prevotella_7	NA
658	ASV1851	2.63972388488164e-05	3W_11	Bacteroidota	Chitinophagaceae	Aurantisolimonas	NA
659	ASV1853	2.63972388488164e-05	3W_11	Sumerlaeota	Sumerlaeaceae	Sumerlaea	NA
660	ASV1863	2.63972388488164e-05	3W_11	Firmicutes	Peptostreptococcaceae	Romboutsia	NA
661	ASV1865	2.63972388488164e-05	3W_11	Cyanobacteria	Nostocaceae	Calothrix PCC-6303	NA
662	ASV1868	2.63972388488164e-05	3W_11	Proteobacteria	Rhizobiales Incertae Sedis	Bauldia	NA
663	ASV1094	2.54451487410306e-05	3W_8	Actinobacteriota	Dermabacteraceae	Brachybacterium	NA
664	ASV1839	2.54451487410306e-05	3W_8	Firmicutes	Planococcaceae	Lysinibacillus	NA
665	ASV300	2.31527036569695e-05	3B_8	Proteobacteria	Xanthobacteraceae	Rhodopseudomonas	NA
666	ASV1888	2.30975839927144e-05	3W_11	Proteobacteria	Xanthomonadaceae	Luteimonas	terricola
667	ASV1892	2.30975839927144e-05	3W_11	Deinococcota	Deinococcaceae	Deinobacterium	NA
668	ASV1906	2.30975839927144e-05	3W_11	Proteobacteria	Nitrosomonadaceae	Nitrosomonas	oligotropha
669	ASV1690	2.26179099920272e-05	3W_8	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	taiwanensis
670	ASV1875	2.26179099920272e-05	3W_8	Proteobacteria	Xanthomonadaceae	Stenotrophomonas	maltophilia
671	ASV188	2.26179099920272e-05	3W_8	Bdellovibrionota	Bacteriovoracaceae	Peredibacter	NA
672	ASV1941	2.0790885275895e-05	3B_11	Firmicutes	Thermoactinomycetaceae	Thermoactinomyces	vulgaris
673	ASV713	2.0790885275895e-05	3B_11	Firmicutes	Family XI	Finegoldia	magna
674	ASV1690	1.97979291366123e-05	3W_11	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	taiwanensis
675	ASV1927	1.97979291366123e-05	3W_11	Bacteroidota	Chitinophagaceae	Cnuella	NA
676	ASV257	1.97979291366123e-05	3W_11	Proteobacteria	Unknown Family	Candidatus Ovatusbacter	NA
677	ASV1600	1.97906712430238e-05	3W_8	Proteobacteria	Pasteurellaceae	Haemophilus	NA
678	ASV913	1.97906712430238e-05	3W_8	Firmicutes	Veillonellaceae	Veillonella	NA
679	ASV100	1.92939197141413e-05	3B_8	Proteobacteria	Gallionellaceae	Candidatus Nitrotoga	NA
680	ASV86	1.92939197141413e-05	3B_8	Myxococcota	Myxococcaceae	P3OB-42	NA
681	ASV889	1.69634324940204e-05	3W_8	Proteobacteria	Beijerinckiaceae	Methylobacterium-Methylor	NA
682	ASV157	1.6632708220716e-05	3B_11	Actinobacteriota	Pseudonocardiaceae	Pseudonocardia	NA
683	ASV1600	1.6632708220716e-05	3B_11	Proteobacteria	Pasteurellaceae	Haemophilus	NA
684	ASV275	1.6632708220716e-05	3B_11	Proteobacteria	Moraxellaceae	Psychrobacter	NA

685	ASV41	1.6632708220716e-05	3B_11	Proteobacteria	Acidiferrobacteraceae	Sulfurifustis	NA
686	ASV1600	1.64982742805103e-05	3W_11	Proteobacteria	Pasteurellaceae	Haemophilus	NA
687	ASV1963	1.64982742805103e-05	3W_11	Chloroflexi	Herpetosiphonaceae	Herpetosiphon	NA
688	ASV1967	1.64982742805103e-05	3W_11	Actinobacteriota	Nocardiodaceae	Kribbella	NA
689	ASV109	1.5435135771313e-05	3B_8	Verrucomicrobiota	Omnitrophaceae	Candidatus Omnitrophus	NA
690	ASV144	1.5435135771313e-05	3B_8	Nitrospirota	Nitrospiraceae	Nitrospira	NA
691	ASV1990	1.5435135771313e-05	3B_8	Bacteroidota	Porphyromonadaceae	Porphyromonas	NA
692	ASV341	1.5435135771313e-05	3B_8	Bdellovibrionota	Bdellovibrionaceae	Bdellovibrio	NA
693	ASV62	1.5435135771313e-05	3B_8	Firmicutes	Staphylococcaceae	Staphylococcus	NA
694	ASV865	1.5435135771313e-05	3B_8	Actinobacteriota	Micrococcaceae	Micrococcus	NA
695	ASV11	1.4136193745017e-05	3W_8	Proteobacteria	Cellvibrionaceae	Cellvibrio	NA
696	ASV150	1.4136193745017e-05	3W_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	NA
697	ASV1980	1.4136193745017e-05	3W_8	Firmicutes	Sedimentibacteraceae	Sedimentibacter	NA
698	ASV993	1.4136193745017e-05	3W_8	Bacteroidota	Dysgonomonadaceae	Proteiniphilum	acetatigenes
699	ASV2001	1.31986194244082e-05	3W_11	Verrucomicrobiota	Pedosphaeraceae	Oikopleura	NA
700	ASV2012	1.31986194244082e-05	3W_11	Proteobacteria	Diplorickettsiaceae	Rickettsiella	NA
701	ASV936	1.31986194244082e-05	3W_11	Verrucomicrobiota	Parachlamydiaceae	Neochlamydia	NA
702	ASV1425	1.2474531165537e-05	3B_11	Proteobacteria	Rhizobiaceae	Neorhizobium	NA
703	ASV2018	1.2474531165537e-05	3B_11	Firmicutes	Streptococcaceae	Lactococcus	NA
704	ASV2019	1.2474531165537e-05	3B_11	Firmicutes	Carnobacteriaceae	Alloiococcus	otitis
705	ASV2021	1.2474531165537e-05	3B_11	Spirochaetota	Spirochaetaceae	Treponema	NA
706	ASV28	1.2474531165537e-05	3B_11	Bacteroidota	Weeksellaceae	Chryseobacterium	NA
707	ASV181	1.15763518284848e-05	3B_8	Firmicutes	Caldalkalibacillaceae	Caldalkalibacillus	NA
708	ASV2026	1.15763518284848e-05	3B_8	Proteobacteria	Acetobacteraceae	Rhodopila	NA
709	ASV211	1.15763518284848e-05	3B_8	Proteobacteria	Rhodobacteraceae	Paracoccus	NA
710	ASV125	9.89896456830616e-06	3W_11	Proteobacteria	Nitrosomonadaceae	MND1	NA
711	ASV1423	9.89896456830616e-06	3W_11	Actinobacteriota	Brevibacteriaceae	Brevibacterium	NA
712	ASV2034	9.89896456830616e-06	3W_11	Acidobacteriota	Acidobacteriaceae (Subgroup)	Granulicella	NA
713	ASV2041	9.89896456830616e-06	3W_11	Bacteroidota	Spirosomaceae	Runella	palustris
714	ASV2042	9.89896456830616e-06	3W_11	Cyanobacteria	Microcystaceae	Cyanothece PCC-7424	NA
715	ASV2061	8.4817162470102e-06	3W_8	Firmicutes	Staphylococcaceae	Alicoccus	NA
716	ASV9	8.4817162470102e-06	3W_8	Proteobacteria	Moraxellaceae	Perluclidibaca	NA
717	ASV2065	8.31635411035802e-06	3B_11	Cyanobacteria	Nostocaceae	Nostoc PCC-73102	calcicola
718	ASV2066	8.31635411035802e-06	3B_11	Proteobacteria	Enterobacteriaceae	Klebsiella	NA
719	ASV2067	8.31635411035802e-06	3B_11	Bacteroidota	Prevotellaceae	Alloprevotella	NA
720	ASV155	7.71756788565651e-06	3B_8	Bdellovibrionota	Bacteriovoracaceae	Bacteriovorax	NA
721	ASV2073	7.71756788565651e-06	3B_8	Campylobacterota	Campylobacteraceae	Campylobacter	ureolyticus
722	ASV41	7.71756788565651e-06	3B_8	Proteobacteria	Acidiferrobacteraceae	Sulfurifustis	NA
723	ASV2087	6.5993097122041e-06	3W_11	Firmicutes	Family XI	Anaerococcus	octavius
724	ASV2088	6.5993097122041e-06	3W_11	Proteobacteria	Diplorickettsiaceae	Aquicella	NA
725	ASV2091	6.5993097122041e-06	3W_11	Chloroflexi	Chloroflexaceae	Chloronema	NA
726	ASV2095	5.6544774980068e-06	3W_8	Firmicutes	Caldicellulosiraptoraceae	Caldicellulosiraptor	NA
727	ASV100		0 3B_11	Proteobacteria	Gallionellaceae	Candidatus Nitrotoga	NA
728	ASV1004		0 3B_11	Verrucomicrobiota	Pedosphaeraceae	Ellin517	NA
729	ASV1004		0 3W_8	Verrucomicrobiota	Pedosphaeraceae	Ellin517	NA
730	ASV1004		0 3B_8	Verrucomicrobiota	Pedosphaeraceae	Ellin517	NA
731	ASV1005		0 3W_8	Bacteroidota	Sphingobacteriaceae	Solitalea	NA
732	ASV1005		0 3B_8	Bacteroidota	Sphingobacteriaceae	Solitalea	NA
733	ASV1005		0 3B_11	Bacteroidota	Sphingobacteriaceae	Solitalea	NA

734	ASV101	0	3W_8	Myxococcota	Nannocystaceae	Nannocystis	NA
735	ASV101	0	3B_8	Myxococcota	Nannocystaceae	Nannocystis	NA
736	ASV101	0	3B_11	Myxococcota	Nannocystaceae	Nannocystis	NA
737	ASV1015	0	3B_11	Proteobacteria	Xanthobacteraceae	Pseudorhodoplanes	NA
738	ASV1015	0	3B_8	Proteobacteria	Xanthobacteraceae	Pseudorhodoplanes	NA
739	ASV1015	0	3W_8	Proteobacteria	Xanthobacteraceae	Pseudorhodoplanes	NA
740	ASV1018	0	3B_8	Firmicutes	Carnobacteriaceae	Desemzia	incerta
741	ASV1018	0	3B_11	Firmicutes	Carnobacteriaceae	Desemzia	incerta
742	ASV1018	0	3W_8	Firmicutes	Carnobacteriaceae	Desemzia	incerta
743	ASV1019	0	3B_11	Proteobacteria	Oxalobacteraceae	Janthinobacterium	NA
744	ASV1019	0	3B_8	Proteobacteria	Oxalobacteraceae	Janthinobacterium	NA
745	ASV1019	0	3W_8	Proteobacteria	Oxalobacteraceae	Janthinobacterium	NA
746	ASV102	0	3W_8	Proteobacteria	Pseudohongiellaceae	Pseudohongiella	NA
747	ASV102	0	3B_11	Proteobacteria	Pseudohongiellaceae	Pseudohongiella	NA
748	ASV102	0	3B_8	Proteobacteria	Pseudohongiellaceae	Pseudohongiella	NA
749	ASV1031	0	3B_8	Proteobacteria	Acetobacteraceae	Rhodovastum	NA
750	ASV1031	0	3W_8	Proteobacteria	Acetobacteraceae	Rhodovastum	NA
751	ASV1031	0	3B_11	Proteobacteria	Acetobacteraceae	Rhodovastum	NA
752	ASV1042	0	3W_8	Bacteroidota	Weeksellaceae	Empedobacter	NA
753	ASV1042	0	3B_8	Bacteroidota	Weeksellaceae	Empedobacter	NA
754	ASV1042	0	3B_11	Bacteroidota	Weeksellaceae	Empedobacter	NA
755	ASV1043	0	3B_11	Proteobacteria	Comamonadaceae	Hylemonella	NA
756	ASV1043	0	3W_8	Proteobacteria	Comamonadaceae	Hylemonella	NA
757	ASV1043	0	3B_8	Proteobacteria	Comamonadaceae	Hylemonella	NA
758	ASV1045	0	3B_8	Proteobacteria	Hyphomicrobiaceae	Pedomicrobium	NA
759	ASV1045	0	3W_8	Proteobacteria	Hyphomicrobiaceae	Pedomicrobium	NA
760	ASV1045	0	3B_11	Proteobacteria	Hyphomicrobiaceae	Pedomicrobium	NA
761	ASV106	0	3B_8	Actinobacteriota	Microbacteriaceae	Salinibacterium	NA
762	ASV106	0	3W_8	Actinobacteriota	Microbacteriaceae	Salinibacterium	NA
763	ASV106	0	3B_11	Actinobacteriota	Microbacteriaceae	Salinibacterium	NA
764	ASV1064	0	3B_8	Proteobacteria	Comamonadaceae	Methylibium	NA
765	ASV1064	0	3W_8	Proteobacteria	Comamonadaceae	Methylibium	NA
766	ASV1064	0	3B_11	Proteobacteria	Comamonadaceae	Methylibium	NA
767	ASV1065	0	3B_8	Bacteroidota	Spirosomaceae	Larkinella	NA
768	ASV1065	0	3B_11	Bacteroidota	Spirosomaceae	Larkinella	NA
769	ASV1065	0	3W_8	Bacteroidota	Spirosomaceae	Larkinella	NA
770	ASV1066	0	3B_8	Proteobacteria	Rhizobiaceae	Shinella	NA
771	ASV1066	0	3B_11	Proteobacteria	Rhizobiaceae	Shinella	NA
772	ASV1066	0	3W_8	Proteobacteria	Rhizobiaceae	Shinella	NA
773	ASV1069	0	3B_8	Bacteroidota	Saprospiraceae	Lewinella	NA
774	ASV1069	0	3B_11	Bacteroidota	Saprospiraceae	Lewinella	NA
775	ASV1069	0	3W_8	Bacteroidota	Saprospiraceae	Lewinella	NA
776	ASV107	0	3B_11	Bacteroidota	Chitinophagaceae	Edaphobaculum	NA
777	ASV107	0	3B_8	Bacteroidota	Chitinophagaceae	Edaphobaculum	NA
778	ASV107	0	3W_8	Bacteroidota	Chitinophagaceae	Edaphobaculum	NA
779	ASV1072	0	3B_11	Actinobacteriota	Solirubrobacteraceae	Solirubrobacter	taibaiensis
780	ASV1072	0	3B_8	Actinobacteriota	Solirubrobacteraceae	Solirubrobacter	taibaiensis
781	ASV1072	0	3W_8	Actinobacteriota	Solirubrobacteraceae	Solirubrobacter	taibaiensis
782	ASV108	0	3B_8	Actinobacteriota	Nakamurellaceae	Nakamurella	NA

783	ASV108	0	3W_8	Actinobacteriota	Nakamurellaceae	Nakamurella	NA
784	ASV108	0	3B_11	Actinobacteriota	Nakamurellaceae	Nakamurella	NA
785	ASV1087	0	3B_8	Chloroflexi	Caldiilineaceae	Litorilinea	NA
786	ASV1087	0	3W_8	Chloroflexi	Caldiilineaceae	Litorilinea	NA
787	ASV1087	0	3B_11	Chloroflexi	Caldiilineaceae	Litorilinea	NA
788	ASV109	0	3B_11	Verrucomicrobiota	Omnitrophaceae	Candidatus Omnitrophus	NA
789	ASV1092	0	3B_8	Myxococcota	Polyangiaceae	Pajaroellobacter	NA
790	ASV1092	0	3W_8	Myxococcota	Polyangiaceae	Pajaroellobacter	NA
791	ASV1092	0	3B_11	Myxococcota	Polyangiaceae	Pajaroellobacter	NA
792	ASV1094	0	3B_8	Actinobacteriota	Dermabacteraceae	Brachybacterium	NA
793	ASV1094	0	3B_11	Actinobacteriota	Dermabacteraceae	Brachybacterium	NA
794	ASV1095	0	3W_11	Chloroflexi	Anaerolineaceae	Levilina	saccharolytica
795	ASV1095	0	3B_8	Chloroflexi	Anaerolineaceae	Levilina	saccharolytica
796	ASV1095	0	3B_11	Chloroflexi	Anaerolineaceae	Levilina	saccharolytica
797	ASV1096	0	3B_8	Verrucomicrobiota	Pedosphaeraceae	SH3-11	NA
798	ASV1096	0	3W_8	Verrucomicrobiota	Pedosphaeraceae	SH3-11	NA
799	ASV1096	0	3B_11	Verrucomicrobiota	Pedosphaeraceae	SH3-11	NA
800	ASV11	0	3B_8	Proteobacteria	Cellvibrionaceae	Cellvibrio	NA
801	ASV11	0	3B_11	Proteobacteria	Cellvibrionaceae	Cellvibrio	NA
802	ASV1105	0	3W_8	Actinobacteriota	Microtrichaceae	IMCC26207	NA
803	ASV1105	0	3B_11	Actinobacteriota	Microtrichaceae	IMCC26207	NA
804	ASV1105	0	3B_8	Actinobacteriota	Microtrichaceae	IMCC26207	NA
805	ASV1106	0	3W_8	Proteobacteria	Comamonadaceae	Comamonas	jiangduensis
806	ASV1106	0	3B_11	Proteobacteria	Comamonadaceae	Comamonas	jiangduensis
807	ASV1106	0	3B_8	Proteobacteria	Comamonadaceae	Comamonas	jiangduensis
808	ASV1115	0	3W_8	Gemmatimonadota	Longimicrobiaceae	Longimicrobium	NA
809	ASV1115	0	3B_8	Gemmatimonadota	Longimicrobiaceae	Longimicrobium	NA
810	ASV1115	0	3B_11	Gemmatimonadota	Longimicrobiaceae	Longimicrobium	NA
811	ASV1116	0	3B_8	Actinobacteriota	Cellulomonadaceae	Cellulomonas	NA
812	ASV1116	0	3B_11	Actinobacteriota	Cellulomonadaceae	Cellulomonas	NA
813	ASV1116	0	3W_8	Actinobacteriota	Cellulomonadaceae	Cellulomonas	NA
814	ASV1119	0	3B_11	Proteobacteria	Enterobacteriaceae	Escherichia-Shigella	NA
815	ASV1119	0	3W_8	Proteobacteria	Enterobacteriaceae	Escherichia-Shigella	NA
816	ASV1119	0	3B_8	Proteobacteria	Enterobacteriaceae	Escherichia-Shigella	NA
817	ASV112	0	3B_8	Proteobacteria	Rhodobacteraceae	Tabrizicola	aquatica
818	ASV112	0	3B_11	Proteobacteria	Rhodobacteraceae	Tabrizicola	aquatica
819	ASV112	0	3W_8	Proteobacteria	Rhodobacteraceae	Tabrizicola	aquatica
820	ASV1128	0	3B_11	Proteobacteria	Alcaligenaceae	Verticiella	NA
821	ASV1128	0	3W_8	Proteobacteria	Alcaligenaceae	Verticiella	NA
822	ASV1128	0	3B_8	Proteobacteria	Alcaligenaceae	Verticiella	NA
823	ASV1132	0	3B_11	Actinobacteriota	Nocardiodaceae	Aeromicrobium	choanae
824	ASV1132	0	3B_8	Actinobacteriota	Nocardiodaceae	Aeromicrobium	choanae
825	ASV1132	0	3W_8	Actinobacteriota	Nocardiodaceae	Aeromicrobium	choanae
826	ASV1135	0	3B_8	Verrucomicrobiota	Terrimicrobiaceae	Terrimicrobium	NA
827	ASV1135	0	3W_8	Verrucomicrobiota	Terrimicrobiaceae	Terrimicrobium	NA
828	ASV1135	0	3B_11	Verrucomicrobiota	Terrimicrobiaceae	Terrimicrobium	NA
829	ASV114	0	3B_8	Firmicutes	Bacillaceae	Falsibacillus	NA
830	ASV114	0	3B_11	Firmicutes	Bacillaceae	Falsibacillus	NA
831	ASV1142	0	3B_8	Proteobacteria	Rhizobiaceae	Pseudorhizobium	NA

832	ASV1142	0	3W_8	Proteobacteria	Rhizobiaceae	Pseudorhizobium	NA
833	ASV1142	0	3B_11	Proteobacteria	Rhizobiaceae	Pseudorhizobium	NA
834	ASV115	0	3B_8	Bacteroidota	Spirosomaceae	Dyadobacter	NA
835	ASV115	0	3W_8	Bacteroidota	Spirosomaceae	Dyadobacter	NA
836	ASV115	0	3B_11	Bacteroidota	Spirosomaceae	Dyadobacter	NA
837	ASV1154	0	3W_8	Proteobacteria	Cellvibrionaceae	Cellvibrio	fulvus
838	ASV1154	0	3B_8	Proteobacteria	Cellvibrionaceae	Cellvibrio	fulvus
839	ASV1154	0	3B_11	Proteobacteria	Cellvibrionaceae	Cellvibrio	fulvus
840	ASV116	0	3W_8	Actinobacteriota	Microbacteriaceae	Lysinimonas	NA
841	ASV116	0	3B_8	Actinobacteriota	Microbacteriaceae	Lysinimonas	NA
842	ASV116	0	3B_11	Actinobacteriota	Microbacteriaceae	Lysinimonas	NA
843	ASV1161	0	3W_8	Verrucomicrobiota	Parachlamydiaceae	Candidatus Protochlamydia	NA
844	ASV1161	0	3B_8	Verrucomicrobiota	Parachlamydiaceae	Candidatus Protochlamydia	NA
845	ASV1165	0	3B_8	Proteobacteria	Rhodobacteraceae	Tabrizicola	NA
846	ASV1165	0	3B_11	Proteobacteria	Rhodobacteraceae	Tabrizicola	NA
847	ASV1165	0	3W_8	Proteobacteria	Rhodobacteraceae	Tabrizicola	NA
848	ASV117	0	3W_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	NA
849	ASV117	0	3B_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	NA
850	ASV117	0	3B_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	NA
851	ASV1170	0	3B_8	Firmicutes	Lachnospiraceae	Lachnoanaerobaculum	NA
852	ASV1170	0	3W_11	Firmicutes	Lachnospiraceae	Lachnoanaerobaculum	NA
853	ASV1170	0	3B_11	Firmicutes	Lachnospiraceae	Lachnoanaerobaculum	NA
854	ASV1171	0	3W_8	Actinobacteriota	Micrococcaceae	Citricoccus	NA
855	ASV1171	0	3W_11	Actinobacteriota	Micrococcaceae	Citricoccus	NA
856	ASV1171	0	3B_8	Actinobacteriota	Micrococcaceae	Citricoccus	NA
857	ASV1174	0	3B_8	Bacteroidota	Saprosiraceae	OLB8	NA
858	ASV1174	0	3W_8	Bacteroidota	Saprosiraceae	OLB8	NA
859	ASV1174	0	3B_11	Bacteroidota	Saprosiraceae	OLB8	NA
860	ASV1178	0	3W_8	Proteobacteria	Pseudomonadaceae	Pseudomonas	oleovorans
861	ASV1178	0	3B_11	Proteobacteria	Pseudomonadaceae	Pseudomonas	oleovorans
862	ASV1178	0	3B_8	Proteobacteria	Pseudomonadaceae	Pseudomonas	oleovorans
863	ASV1179	0	3W_8	Actinobacteriota	Solirubrobacteraceae	Conexibacter	NA
864	ASV1179	0	3B_11	Actinobacteriota	Solirubrobacteraceae	Conexibacter	NA
865	ASV1179	0	3B_8	Actinobacteriota	Solirubrobacteraceae	Conexibacter	NA
866	ASV118	0	3W_8	Proteobacteria	Hyphomonadaceae	Hirschia	NA
867	ASV118	0	3B_8	Proteobacteria	Hyphomonadaceae	Hirschia	NA
868	ASV118	0	3B_11	Proteobacteria	Hyphomonadaceae	Hirschia	NA
869	ASV1183	0	3B_11	Fibrobacterota	Fibrobacteraceae	possible genus 04	NA
870	ASV1183	0	3B_8	Fibrobacterota	Fibrobacteraceae	possible genus 04	NA
871	ASV1183	0	3W_8	Fibrobacterota	Fibrobacteraceae	possible genus 04	NA
872	ASV1187	0	3W_8	Proteobacteria	Burkholderiaceae	Limnobacter	NA
873	ASV1187	0	3B_8	Proteobacteria	Burkholderiaceae	Limnobacter	NA
874	ASV1187	0	3B_11	Proteobacteria	Burkholderiaceae	Limnobacter	NA
875	ASV119	0	3W_8	Proteobacteria	Alcaligenaceae	Candidimonas	NA
876	ASV119	0	3B_8	Proteobacteria	Alcaligenaceae	Candidimonas	NA
877	ASV119	0	3B_11	Proteobacteria	Alcaligenaceae	Candidimonas	NA
878	ASV1190	0	3B_8	Proteobacteria	Labraceae	Labrys	NA
879	ASV1190	0	3B_11	Proteobacteria	Labraceae	Labrys	NA
880	ASV1190	0	3W_8	Proteobacteria	Labraceae	Labrys	NA

881	ASV1195	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	kaistensis
882	ASV1195	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	kaistensis
883	ASV1195	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	kaistensis
884	ASV12	0	3B_8	Bacteroidota	Chitinophagaceae	Terrimonas	NA
885	ASV12	0	3B_11	Bacteroidota	Chitinophagaceae	Terrimonas	NA
886	ASV1200	0	3B_8	Firmicutes	Ruminococcaceae	Paludicola	NA
887	ASV1200	0	3B_11	Firmicutes	Ruminococcaceae	Paludicola	NA
888	ASV1208	0	3W_8	Proteobacteria	Acetobacteraceae	Craurococcus-Caldovatus	NA
889	ASV1208	0	3B_11	Proteobacteria	Acetobacteraceae	Craurococcus-Caldovatus	NA
890	ASV1208	0	3B_8	Proteobacteria	Acetobacteraceae	Craurococcus-Caldovatus	NA
891	ASV121	0	3B_8	Actinobacteriota	Corynebacteriaceae	Lawsonella	clevelandensis
892	ASV1212	0	3W_8	Proteobacteria	Beijerinckiaceae	Methylocella	NA
893	ASV1212	0	3B_8	Proteobacteria	Beijerinckiaceae	Methylocella	NA
894	ASV1214	0	3W_8	Proteobacteria	Alcaligenaceae	Eoetvoesia	caeni
895	ASV1214	0	3B_8	Proteobacteria	Alcaligenaceae	Eoetvoesia	caeni
896	ASV1214	0	3B_11	Proteobacteria	Alcaligenaceae	Eoetvoesia	caeni
897	ASV1221	0	3W_8	Abditibacteriota	Abditibacteriaceae	Abditibacterium	NA
898	ASV1221	0	3B_8	Abditibacteriota	Abditibacteriaceae	Abditibacterium	NA
899	ASV1221	0	3B_11	Abditibacteriota	Abditibacteriaceae	Abditibacterium	NA
900	ASV1230	0	3B_11	Proteobacteria	Rhodocyclaceae	Sulfuritalea	NA
901	ASV1230	0	3W_8	Proteobacteria	Rhodocyclaceae	Sulfuritalea	NA
902	ASV1230	0	3B_8	Proteobacteria	Rhodocyclaceae	Sulfuritalea	NA
903	ASV1247	0	3B_8	Cyanobacteria	Coleofasciculaceae	Wilmottia Ant-Ph58	NA
904	ASV1247	0	3W_8	Cyanobacteria	Coleofasciculaceae	Wilmottia Ant-Ph58	NA
905	ASV1247	0	3B_11	Cyanobacteria	Coleofasciculaceae	Wilmottia Ant-Ph58	NA
906	ASV125	0	3B_11	Proteobacteria	Nitrosomonadaceae	MND1	NA
907	ASV1251	0	3B_8	Armatimonadota	Fimbriimonadaceae	Fimbriimonas	NA
908	ASV1251	0	3B_11	Armatimonadota	Fimbriimonadaceae	Fimbriimonas	NA
909	ASV1251	0	3W_8	Armatimonadota	Fimbriimonadaceae	Fimbriimonas	NA
910	ASV1257	0	3B_8	Actinobacteriota	Kineosporiaceae	Kineosporia	NA
911	ASV1257	0	3W_8	Actinobacteriota	Kineosporiaceae	Kineosporia	NA
912	ASV1257	0	3B_11	Actinobacteriota	Kineosporiaceae	Kineosporia	NA
913	ASV1260	0	3W_8	Firmicutes	Lactobacillaceae	Lactobacillus	NA
914	ASV1260	0	3B_11	Firmicutes	Lactobacillaceae	Lactobacillus	NA
915	ASV1260	0	3B_8	Firmicutes	Lactobacillaceae	Lactobacillus	NA
916	ASV1268	0	3B_11	Proteobacteria	Sphingomonadaceae	Parablastomonas	NA
917	ASV1268	0	3W_8	Proteobacteria	Sphingomonadaceae	Parablastomonas	NA
918	ASV1268	0	3B_8	Proteobacteria	Sphingomonadaceae	Parablastomonas	NA
919	ASV1277	0	3B_11	Bacteroidota	Hymenobacteraceae	Hymenobacter	psychrophilus
920	ASV1277	0	3W_8	Bacteroidota	Hymenobacteraceae	Hymenobacter	psychrophilus
921	ASV1277	0	3B_8	Bacteroidota	Hymenobacteraceae	Hymenobacter	psychrophilus
922	ASV128	0	3W_8	Bacteroidota	Chitinophagaceae	Rurimicrobium	NA
923	ASV128	0	3B_8	Bacteroidota	Chitinophagaceae	Rurimicrobium	NA
924	ASV128	0	3B_11	Bacteroidota	Chitinophagaceae	Rurimicrobium	NA
925	ASV1286	0	3W_8	Proteobacteria	Rhizobiaceae	Pseudaminobacter	NA
926	ASV1286	0	3B_8	Proteobacteria	Rhizobiaceae	Pseudaminobacter	NA
927	ASV1286	0	3B_11	Proteobacteria	Rhizobiaceae	Pseudaminobacter	NA
928	ASV1291	0	3B_11	Firmicutes	Lachnospiraceae	Oribacterium	sinus
929	ASV1291	0	3B_8	Firmicutes	Lachnospiraceae	Oribacterium	sinus

930	ASV1291	0	3W_8	Firmicutes	Lachnospiraceae	Oribacterium	sinus
931	ASV1296	0	3B_11	Bacteroidota	Cytophagaceae	Rhodocytophaga	NA
932	ASV1296	0	3W_8	Bacteroidota	Cytophagaceae	Rhodocytophaga	NA
933	ASV1296	0	3B_8	Bacteroidota	Cytophagaceae	Rhodocytophaga	NA
934	ASV1299	0	3B_8	Actinobacteriota	Actinomycetaceae	Actinomyces	NA
935	ASV1299	0	3B_11	Actinobacteriota	Actinomycetaceae	Actinomyces	NA
936	ASV1299	0	3W_8	Actinobacteriota	Actinomycetaceae	Actinomyces	NA
937	ASV13	0	3B_8	Actinobacteriota	Nocardoidaceae	Aeromicrobium	alkaliterrae
938	ASV13	0	3W_8	Actinobacteriota	Nocardoidaceae	Aeromicrobium	alkaliterrae
939	ASV1301	0	3B_8	Actinobacteriota	Micromonosporaceae	Catenuloplanes	NA
940	ASV1301	0	3W_8	Actinobacteriota	Micromonosporaceae	Catenuloplanes	NA
941	ASV1301	0	3B_11	Actinobacteriota	Micromonosporaceae	Catenuloplanes	NA
942	ASV1304	0	3B_8	Proteobacteria	Sphingomonadaceae	Sandaracinobacter	NA
943	ASV1304	0	3W_8	Proteobacteria	Sphingomonadaceae	Sandaracinobacter	NA
944	ASV1304	0	3B_11	Proteobacteria	Sphingomonadaceae	Sandaracinobacter	NA
945	ASV1306	0	3B_8	Verrucomicrobiota	Parachlamydiaceae	Candidatus Metachlamydia	NA
946	ASV1306	0	3W_8	Verrucomicrobiota	Parachlamydiaceae	Candidatus Metachlamydia	NA
947	ASV1306	0	3B_11	Verrucomicrobiota	Parachlamydiaceae	Candidatus Metachlamydia	NA
948	ASV1308	0	3B_8	Bacteroidota	Microscillaceae	OLB12	NA
949	ASV1308	0	3B_11	Bacteroidota	Microscillaceae	OLB12	NA
950	ASV1308	0	3W_8	Bacteroidota	Microscillaceae	OLB12	NA
951	ASV1310	0	3W_8	Cyanobacteria	Chroococciopsaceae	Aliterella	NA
952	ASV1310	0	3B_11	Cyanobacteria	Chroococciopsaceae	Aliterella	NA
953	ASV1310	0	3B_8	Cyanobacteria	Chroococciopsaceae	Aliterella	NA
954	ASV1315	0	3B_11	Firmicutes	Paenibacillaceae	Ammonibacillus	agariperforans
955	ASV1315	0	3B_8	Firmicutes	Paenibacillaceae	Ammonibacillus	agariperforans
956	ASV1315	0	3W_11	Firmicutes	Paenibacillaceae	Ammonibacillus	agariperforans
957	ASV132	0	3W_11	Proteobacteria	Rhizobiaceae	Phyllobacterium	NA
958	ASV132	0	3B_8	Proteobacteria	Rhizobiaceae	Phyllobacterium	NA
959	ASV132	0	3B_11	Proteobacteria	Rhizobiaceae	Phyllobacterium	NA
960	ASV133	0	3B_11	Bacteroidota	Flavobacteriaceae	Aequorivita	nionensis
961	ASV133	0	3W_8	Bacteroidota	Flavobacteriaceae	Aequorivita	nionensis
962	ASV133	0	3B_8	Bacteroidota	Flavobacteriaceae	Aequorivita	nionensis
963	ASV1335	0	3B_8	Firmicutes	Bacillaceae	Anaerobacillus	NA
964	ASV1335	0	3W_8	Firmicutes	Bacillaceae	Anaerobacillus	NA
965	ASV1335	0	3W_11	Firmicutes	Bacillaceae	Anaerobacillus	NA
966	ASV1337	0	3B_11	Firmicutes	Thermicanaceae	Thermicanus	NA
967	ASV1337	0	3W_8	Firmicutes	Thermicanaceae	Thermicanus	NA
968	ASV1337	0	3B_8	Firmicutes	Thermicanaceae	Thermicanus	NA
969	ASV134	0	3B_11	Proteobacteria	Rhizobiaceae	Allorhizobium-Neorhizobium	NA
970	ASV134	0	3W_8	Proteobacteria	Rhizobiaceae	Allorhizobium-Neorhizobium	NA
971	ASV134	0	3B_8	Proteobacteria	Rhizobiaceae	Allorhizobium-Neorhizobium	NA
972	ASV1346	0	3B_11	Proteobacteria	Nitrosomonadaceae	Nitrosomonas	NA
973	ASV1346	0	3W_8	Proteobacteria	Nitrosomonadaceae	Nitrosomonas	NA
974	ASV1346	0	3B_8	Proteobacteria	Nitrosomonadaceae	Nitrosomonas	NA
975	ASV135	0	3W_8	Proteobacteria	Rhodobacteraceae	Rhodobacter	NA
976	ASV135	0	3B_11	Proteobacteria	Rhodobacteraceae	Rhodobacter	NA
977	ASV135	0	3B_8	Proteobacteria	Rhodobacteraceae	Rhodobacter	NA
978	ASV136	0	3W_8	Proteobacteria	Rhizobiaceae	Pseudorhizobium	pelagicum

979	ASV136	0	3B_11	Proteobacteria	Rhizobiaceae	Pseudorhizobium	pelagicum
980	ASV136	0	3B_8	Proteobacteria	Rhizobiaceae	Pseudorhizobium	pelagicum
981	ASV1363	0	3B_8	Proteobacteria	Defluviococcaceae	Defluviococcus	NA
982	ASV1363	0	3B_11	Proteobacteria	Defluviococcaceae	Defluviococcus	NA
983	ASV1363	0	3W_8	Proteobacteria	Defluviococcaceae	Defluviococcus	NA
984	ASV1366	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingobium	sufflavum
985	ASV1366	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingobium	sufflavum
986	ASV1366	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingobium	sufflavum
987	ASV1369	0	3W_8	Proteobacteria	Nitrosomonadaceae	oc32	NA
988	ASV1369	0	3B_8	Proteobacteria	Nitrosomonadaceae	oc32	NA
989	ASV1369	0	3B_11	Proteobacteria	Nitrosomonadaceae	oc32	NA
990	ASV1371	0	3B_8	Proteobacteria	Caedibacteraceae	Caedibacter	NA
991	ASV1371	0	3B_11	Proteobacteria	Caedibacteraceae	Caedibacter	NA
992	ASV1379	0	3B_8	Patescibacteria	Saccharimonadaceae	TM7a	NA
993	ASV1379	0	3B_11	Patescibacteria	Saccharimonadaceae	TM7a	NA
994	ASV1379	0	3W_8	Patescibacteria	Saccharimonadaceae	TM7a	NA
995	ASV138	0	3W_8	Firmicutes	Planococcaceae	Planomicrobium	NA
996	ASV138	0	3B_11	Firmicutes	Planococcaceae	Planomicrobium	NA
997	ASV1385	0	3B_8	Proteobacteria	Rhodobacteraceae	Cereibacter	NA
998	ASV1385	0	3W_8	Proteobacteria	Rhodobacteraceae	Cereibacter	NA
999	ASV1385	0	3B_11	Proteobacteria	Rhodobacteraceae	Cereibacter	NA
1000	ASV139	0	3W_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	boryungensis
1001	ASV139	0	3B_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	boryungensis
1002	ASV139	0	3B_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	boryungensis
1003	ASV1391	0	3B_8	Myxococcota	Phaselicytidaceae	Phaselicystis	NA
1004	ASV1391	0	3W_8	Myxococcota	Phaselicytidaceae	Phaselicystis	NA
1005	ASV1391	0	3B_11	Myxococcota	Phaselicytidaceae	Phaselicystis	NA
1006	ASV1393	0	3B_8	Proteobacteria	Beijerinckiaceae	Psychroglaciecola	NA
1007	ASV1393	0	3B_11	Proteobacteria	Beijerinckiaceae	Psychroglaciecola	NA
1008	ASV1393	0	3W_8	Proteobacteria	Beijerinckiaceae	Psychroglaciecola	NA
1009	ASV1401	0	3B_8	Firmicutes	Christensenellaceae	Christensenellaceae R-7 grc	NA
1010	ASV1401	0	3B_11	Firmicutes	Christensenellaceae	Christensenellaceae R-7 grc	NA
1011	ASV1403	0	3W_8	Planctomycetota	Gemmataceae	Telmatocola	NA
1012	ASV1403	0	3B_11	Planctomycetota	Gemmataceae	Telmatocola	NA
1013	ASV1403	0	3B_8	Planctomycetota	Gemmataceae	Telmatocola	NA
1014	ASV141	0	3B_8	Firmicutes	Lactobacillaceae	Fructobacillus	fructosus
1015	ASV141	0	3W_8	Firmicutes	Lactobacillaceae	Fructobacillus	fructosus
1016	ASV141	0	3B_11	Firmicutes	Lactobacillaceae	Fructobacillus	fructosus
1017	ASV1410	0	3B_8	Proteobacteria	Moraxellaceae	Alkanindiges	NA
1018	ASV1410	0	3W_8	Proteobacteria	Moraxellaceae	Alkanindiges	NA
1019	ASV1410	0	3B_11	Proteobacteria	Moraxellaceae	Alkanindiges	NA
1020	ASV1417	0	3B_11	Actinobacteriota	Micromonosporaceae	Virgisporangium	NA
1021	ASV1417	0	3B_8	Actinobacteriota	Micromonosporaceae	Virgisporangium	NA
1022	ASV1417	0	3W_8	Actinobacteriota	Micromonosporaceae	Virgisporangium	NA
1023	ASV142	0	3B_8	Bacteroidota	Sphingobacteriaceae	Sphingobacterium	NA
1024	ASV142	0	3B_11	Bacteroidota	Sphingobacteriaceae	Sphingobacterium	NA
1025	ASV1421	0	3B_8	Proteobacteria	Pseudoalteromonadaceae	Pseudoalteromonas	NA
1026	ASV1421	0	3W_11	Proteobacteria	Pseudoalteromonadaceae	Pseudoalteromonas	NA
1027	ASV1421	0	3W_8	Proteobacteria	Pseudoalteromonadaceae	Pseudoalteromonas	NA

1028	ASV1423	0	3B_8	Actinobacteriota	Brevibacteriaceae	Brevibacterium	NA
1029	ASV1423	0	3W_8	Actinobacteriota	Brevibacteriaceae	Brevibacterium	NA
1030	ASV1425	0	3B_8	Proteobacteria	Rhizobiaceae	Neorhizobium	NA
1031	ASV1425	0	3W_8	Proteobacteria	Rhizobiaceae	Neorhizobium	NA
1032	ASV144	0	3W_8	Nitrospirota	Nitrospiraceae	Nitrospira	NA
1033	ASV144	0	3B_11	Nitrospirota	Nitrospiraceae	Nitrospira	NA
1034	ASV1449	0	3W_8	Proteobacteria	Acetobacteraceae	Roseomonas	aquatica
1035	ASV1449	0	3B_8	Proteobacteria	Acetobacteraceae	Roseomonas	aquatica
1036	ASV1449	0	3B_11	Proteobacteria	Acetobacteraceae	Roseomonas	aquatica
1037	ASV145	0	3W_8	Verrucomicrobiota	Verrucomicrobiaceae	Verrucomicrobium	NA
1038	ASV145	0	3B_11	Verrucomicrobiota	Verrucomicrobiaceae	Verrucomicrobium	NA
1039	ASV145	0	3B_8	Verrucomicrobiota	Verrucomicrobiaceae	Verrucomicrobium	NA
1040	ASV1450	0	3B_8	Proteobacteria	Paracaedibacteraceae	Candidatus Paracaedibacter	NA
1041	ASV1450	0	3W_8	Proteobacteria	Paracaedibacteraceae	Candidatus Paracaedibacter	NA
1042	ASV1450	0	3B_11	Proteobacteria	Paracaedibacteraceae	Candidatus Paracaedibacter	NA
1043	ASV1453	0	3W_11	Chloroflexi	Anaerolineaceae	Anaerolinea	NA
1044	ASV1453	0	3B_8	Chloroflexi	Anaerolineaceae	Anaerolinea	NA
1045	ASV1453	0	3B_11	Chloroflexi	Anaerolineaceae	Anaerolinea	NA
1046	ASV1467	0	3W_8	Proteobacteria	Xanthomonadaceae	Lysobacter	dokdonensis
1047	ASV1467	0	3B_8	Proteobacteria	Xanthomonadaceae	Lysobacter	dokdonensis
1048	ASV1467	0	3B_11	Proteobacteria	Xanthomonadaceae	Lysobacter	dokdonensis
1049	ASV1470	0	3W_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	philippinensis
1050	ASV1470	0	3B_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	philippinensis
1051	ASV1470	0	3B_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	philippinensis
1052	ASV1480	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	hunanensis
1053	ASV1480	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	hunanensis
1054	ASV1480	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	hunanensis
1055	ASV1485	0	3B_8	Proteobacteria	Rickettsiaceae	Candidatus Cryptoprodotis	NA
1056	ASV1485	0	3W_8	Proteobacteria	Rickettsiaceae	Candidatus Cryptoprodotis	NA
1057	ASV1485	0	3B_11	Proteobacteria	Rickettsiaceae	Candidatus Cryptoprodotis	NA
1058	ASV1487	0	3B_8	Actinobacteriota	Nocardioidaceae	Nocardioides	ginkgobilobae
1059	ASV1487	0	3W_8	Actinobacteriota	Nocardioidaceae	Nocardioides	ginkgobilobae
1060	ASV1487	0	3B_11	Actinobacteriota	Nocardioidaceae	Nocardioides	ginkgobilobae
1061	ASV149	0	3B_8	Actinobacteriota	Micrococcaceae	Nesterenkonia	NA
1062	ASV1491	0	3W_8	Proteobacteria	Rhizobiaceae	Aliihoeflea	aestuarii
1063	ASV1491	0	3B_8	Proteobacteria	Rhizobiaceae	Aliihoeflea	aestuarii
1064	ASV1491	0	3B_11	Proteobacteria	Rhizobiaceae	Aliihoeflea	aestuarii
1065	ASV1492	0	3W_8	Proteobacteria	Rhodobacteraceae	Amaricoccus	kaplicensis
1066	ASV1492	0	3B_8	Proteobacteria	Rhodobacteraceae	Amaricoccus	kaplicensis
1067	ASV1492	0	3B_11	Proteobacteria	Rhodobacteraceae	Amaricoccus	kaplicensis
1068	ASV15	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingobium	NA
1069	ASV150	0	3B_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	NA
1070	ASV1504	0	3W_11	Proteobacteria	Dongiaceae	Dongia	NA
1071	ASV1504	0	3B_11	Proteobacteria	Dongiaceae	Dongia	NA
1072	ASV1504	0	3B_8	Proteobacteria	Dongiaceae	Dongia	NA
1073	ASV1505	0	3W_11	Proteobacteria	Oxalobacteraceae	Actimicrobium	NA
1074	ASV1505	0	3W_8	Proteobacteria	Oxalobacteraceae	Actimicrobium	NA
1075	ASV1505	0	3B_8	Proteobacteria	Oxalobacteraceae	Actimicrobium	NA
1076	ASV1512	0	3W_8	Proteobacteria	Devosiaceae	Arsenicitalea	NA

1077	ASV1512	0	3B_11	Proteobacteria	Devosiaceae	Arsenicitalea	NA
1078	ASV1512	0	3B_8	Proteobacteria	Devosiaceae	Arsenicitalea	NA
1079	ASV152	0	3B_11	Bacteroidota	Microscillaceae	Hassallia	NA
1080	ASV152	0	3B_8	Bacteroidota	Microscillaceae	Hassallia	NA
1081	ASV152	0	3W_8	Bacteroidota	Microscillaceae	Hassallia	NA
1082	ASV1527	0	3W_8	Proteobacteria	Beijerinckiaceae	1174-901-12	NA
1083	ASV1527	0	3B_11	Proteobacteria	Beijerinckiaceae	1174-901-12	NA
1084	ASV1527	0	3B_8	Proteobacteria	Beijerinckiaceae	1174-901-12	NA
1085	ASV1535	0	3B_8	Proteobacteria	Neisseriaceae	Neisseria	NA
1086	ASV1535	0	3B_11	Proteobacteria	Neisseriaceae	Neisseria	NA
1087	ASV1535	0	3W_11	Proteobacteria	Neisseriaceae	Neisseria	NA
1088	ASV1544	0	3W_8	Proteobacteria	Rhizobiaceae	Pseudochrobactrum	NA
1089	ASV1544	0	3B_11	Proteobacteria	Rhizobiaceae	Pseudochrobactrum	NA
1090	ASV1544	0	3B_8	Proteobacteria	Rhizobiaceae	Pseudochrobactrum	NA
1091	ASV1547	0	3B_8	Firmicutes	Planococcaceae	Domibacillus	NA
1092	ASV1547	0	3W_8	Firmicutes	Planococcaceae	Domibacillus	NA
1093	ASV1547	0	3B_11	Firmicutes	Planococcaceae	Domibacillus	NA
1094	ASV155	0	3B_11	Bdellovibrionota	Bacteriovoracaceae	Bacteriovorax	NA
1095	ASV155	0	3W_8	Bdellovibrionota	Bacteriovoracaceae	Bacteriovorax	NA
1096	ASV1556	0	3B_8	Bacteroidota	Weeksellaceae	Moheibacter	sediminis
1097	ASV1556	0	3W_8	Bacteroidota	Weeksellaceae	Moheibacter	sediminis
1098	ASV1556	0	3B_11	Bacteroidota	Weeksellaceae	Moheibacter	sediminis
1099	ASV156	0	3W_8	Actinobacteriota	Nocardiaceae	Rhodococcus	NA
1100	ASV156	0	3B_11	Actinobacteriota	Nocardiaceae	Rhodococcus	NA
1101	ASV156	0	3B_8	Actinobacteriota	Nocardiaceae	Rhodococcus	NA
1102	ASV1562	0	3B_8	Proteobacteria	Hydrogenophilaceae	Tepidiphilus	succinatimandens
1103	ASV1562	0	3W_8	Proteobacteria	Hydrogenophilaceae	Tepidiphilus	succinatimandens
1104	ASV1562	0	3B_11	Proteobacteria	Hydrogenophilaceae	Tepidiphilus	succinatimandens
1105	ASV1569	0	3W_8	Bacteroidota	Prevotellaceae	Prevotella_7	melaninogenica
1106	ASV1569	0	3B_11	Bacteroidota	Prevotellaceae	Prevotella_7	melaninogenica
1107	ASV1569	0	3B_8	Bacteroidota	Prevotellaceae	Prevotella_7	melaninogenica
1108	ASV157	0	3B_8	Actinobacteriota	Pseudonocardiaceae	Pseudonocardia	NA
1109	ASV157	0	3W_8	Actinobacteriota	Pseudonocardiaceae	Pseudonocardia	NA
1110	ASV1572	0	3B_8	Firmicutes	Lachnospiraceae	Mobilitalea	NA
1111	ASV1572	0	3B_11	Firmicutes	Lachnospiraceae	Mobilitalea	NA
1112	ASV1572	0	3W_11	Firmicutes	Lachnospiraceae	Mobilitalea	NA
1113	ASV1573	0	3W_11	Proteobacteria	Burkholderiaceae	Ralstonia	NA
1114	ASV1573	0	3B_11	Proteobacteria	Burkholderiaceae	Ralstonia	NA
1115	ASV1573	0	3B_8	Proteobacteria	Burkholderiaceae	Ralstonia	NA
1116	ASV1574	0	3B_11	Bacteroidota	Prevotellaceae	Prevotella_7	NA
1117	ASV1574	0	3B_8	Bacteroidota	Prevotellaceae	Prevotella_7	NA
1118	ASV1579	0	3B_8	Proteobacteria	Puniceispirillales Incertae Se	Constrictibacter	NA
1119	ASV1579	0	3B_11	Proteobacteria	Puniceispirillales Incertae Se	Constrictibacter	NA
1120	ASV1579	0	3W_8	Proteobacteria	Puniceispirillales Incertae Se	Constrictibacter	NA
1121	ASV1583	0	3W_8	Planctomycetota	Isosphaeraceae	Paludisphaera	NA
1122	ASV1583	0	3B_11	Planctomycetota	Isosphaeraceae	Paludisphaera	NA
1123	ASV1583	0	3B_8	Planctomycetota	Isosphaeraceae	Paludisphaera	NA
1124	ASV1585	0	3B_11	Firmicutes	Bacillaceae	Pseudogracidibacillus	NA
1125	ASV1585	0	3B_8	Firmicutes	Bacillaceae	Pseudogracidibacillus	NA

1126	ASV1585	0	3W_8	Firmicutes	Bacillaceae	Pseudogracilibacillus	NA
1127	ASV1586	0	3W_8	Bacteroidota	Spirosomaceae	Spirosoma	NA
1128	ASV1586	0	3B_8	Bacteroidota	Spirosomaceae	Spirosoma	NA
1129	ASV1586	0	3B_11	Bacteroidota	Spirosomaceae	Spirosoma	NA
1130	ASV1595	0	3W_8	Proteobacteria	Rhizobiales Incertae Sedis	Alsobacter	metallidurans
1131	ASV1595	0	3B_8	Proteobacteria	Rhizobiales Incertae Sedis	Alsobacter	metallidurans
1132	ASV1595	0	3B_11	Proteobacteria	Rhizobiales Incertae Sedis	Alsobacter	metallidurans
1133	ASV1600	0	3B_8	Proteobacteria	Pasteurellaceae	Haemophilus	NA
1134	ASV1607	0	3B_8	Chloroflexi	A4b	OLB13	NA
1135	ASV1607	0	3B_11	Chloroflexi	A4b	OLB13	NA
1136	ASV1607	0	3W_8	Chloroflexi	A4b	OLB13	NA
1137	ASV161	0	3B_8	Actinobacteriota	Thermomonosporaceae	Actinoallomurus	NA
1138	ASV161	0	3B_11	Actinobacteriota	Thermomonosporaceae	Actinoallomurus	NA
1139	ASV161	0	3W_11	Actinobacteriota	Thermomonosporaceae	Actinoallomurus	NA
1140	ASV1618	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingorhabdus	wooponensis
1141	ASV1618	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingorhabdus	wooponensis
1142	ASV1618	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingorhabdus	wooponensis
1143	ASV1633	0	3B_8	Planctomycetota	Rubinisphaeraceae	Planctomicrobium	NA
1144	ASV1633	0	3W_8	Planctomycetota	Rubinisphaeraceae	Planctomicrobium	NA
1145	ASV1633	0	3B_11	Planctomycetota	Rubinisphaeraceae	Planctomicrobium	NA
1146	ASV1635	0	3B_8	Actinobacteriota	Dietziaceae	Dietzia	NA
1147	ASV1635	0	3B_11	Actinobacteriota	Dietziaceae	Dietzia	NA
1148	ASV1635	0	3W_8	Actinobacteriota	Dietziaceae	Dietzia	NA
1149	ASV1636	0	3B_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	sarveparensis
1150	ASV1636	0	3W_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	sarveparensis
1151	ASV1636	0	3B_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	sarveparensis
1152	ASV1637	0	3W_8	Firmicutes	Clostridiaceae	Clostridium sensu stricto 1	butyricum
1153	ASV1637	0	3B_11	Firmicutes	Clostridiaceae	Clostridium sensu stricto 1	butyricum
1154	ASV1637	0	3B_8	Firmicutes	Clostridiaceae	Clostridium sensu stricto 1	butyricum
1155	ASV1669	0	3W_8	Gemmatimonadota	Gemmatimonadaceae	Roseisolibacter	NA
1156	ASV1669	0	3B_8	Gemmatimonadota	Gemmatimonadaceae	Roseisolibacter	NA
1157	ASV1669	0	3B_11	Gemmatimonadota	Gemmatimonadaceae	Roseisolibacter	NA
1158	ASV1670	0	3B_8	Planctomycetota	Isosphaeraceae	Aquisphaera	NA
1159	ASV1670	0	3B_11	Planctomycetota	Isosphaeraceae	Aquisphaera	NA
1160	ASV1670	0	3W_8	Planctomycetota	Isosphaeraceae	Aquisphaera	NA
1161	ASV1672	0	3B_8	Actinobacteriota	Ilumatobacteraceae	CL500-29 marine group	NA
1162	ASV1672	0	3B_11	Actinobacteriota	Ilumatobacteraceae	CL500-29 marine group	NA
1163	ASV1672	0	3W_8	Actinobacteriota	Ilumatobacteraceae	CL500-29 marine group	NA
1164	ASV1674	0	3B_8	Bacteroidota	Saprosiraceae	Haliscomenobacter	NA
1165	ASV1674	0	3B_11	Bacteroidota	Saprosiraceae	Haliscomenobacter	NA
1166	ASV1674	0	3W_8	Bacteroidota	Saprosiraceae	Haliscomenobacter	NA
1167	ASV1682	0	3B_8	Proteobacteria	Portioccaceae	C1-B045	NA
1168	ASV1682	0	3B_11	Proteobacteria	Portioccaceae	C1-B045	NA
1169	ASV1682	0	3W_8	Proteobacteria	Portioccaceae	C1-B045	NA
1170	ASV1684	0	3B_8	Proteobacteria	Rhodobacteraceae	Amaricoccus	tamworthensis
1171	ASV1684	0	3W_8	Proteobacteria	Rhodobacteraceae	Amaricoccus	tamworthensis
1172	ASV1684	0	3B_11	Proteobacteria	Rhodobacteraceae	Amaricoccus	tamworthensis
1173	ASV1686	0	3B_8	Firmicutes	Gemellaceae	Gemella	NA
1174	ASV1686	0	3W_8	Firmicutes	Gemellaceae	Gemella	NA

1175	ASV1686	0	3B_11	Firmicutes	Gemellaceae	Gemella	NA
1176	ASV1688	0	3B_8	Bacteroidota	Saprospiraceae	Phaeodactylibacter	NA
1177	ASV1688	0	3B_11	Bacteroidota	Saprospiraceae	Phaeodactylibacter	NA
1178	ASV1688	0	3W_8	Bacteroidota	Saprospiraceae	Phaeodactylibacter	NA
1179	ASV1690	0	3B_8	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	taiwanensis
1180	ASV1690	0	3B_11	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	taiwanensis
1181	ASV1691	0	3W_8	Firmicutes	Family XI	Anaerococcus	NA
1182	ASV1691	0	3B_8	Firmicutes	Family XI	Anaerococcus	NA
1183	ASV1691	0	3W_11	Firmicutes	Family XI	Anaerococcus	NA
1184	ASV17	0	3B_11	Bacteroidota	Chitinophagaceae	Sediminibacterium	salmonium
1185	ASV17	0	3B_8	Bacteroidota	Chitinophagaceae	Sediminibacterium	salmonium
1186	ASV171	0	3W_8	Proteobacteria	Caulobacteraceae	Caulobacter	fusififormis
1187	ASV171	0	3B_8	Proteobacteria	Caulobacteraceae	Caulobacter	fusififormis
1188	ASV171	0	3B_11	Proteobacteria	Caulobacteraceae	Caulobacter	fusififormis
1189	ASV1724	0	3B_8	Actinobacteriota	Streptosporangiales Incertae	Motilibacter	NA
1190	ASV1724	0	3W_8	Actinobacteriota	Streptosporangiales Incertae	Motilibacter	NA
1191	ASV1724	0	3B_11	Actinobacteriota	Streptosporangiales Incertae	Motilibacter	NA
1192	ASV1741	0	3B_8	Actinobacteriota	Rubrobacteriaceae	Rubrobacter	NA
1193	ASV1741	0	3B_11	Actinobacteriota	Rubrobacteriaceae	Rubrobacter	NA
1194	ASV1741	0	3W_8	Actinobacteriota	Rubrobacteriaceae	Rubrobacter	NA
1195	ASV1747	0	3B_8	Proteobacteria	Caulobacteraceae	PMMR1	NA
1196	ASV1747	0	3B_11	Proteobacteria	Caulobacteraceae	PMMR1	NA
1197	ASV1747	0	3W_8	Proteobacteria	Caulobacteraceae	PMMR1	NA
1198	ASV1761	0	3B_8	Armatimonadota	Armatimonadaceae	Armatimonas	NA
1199	ASV1761	0	3B_11	Armatimonadota	Armatimonadaceae	Armatimonas	NA
1200	ASV1761	0	3W_8	Armatimonadota	Armatimonadaceae	Armatimonas	NA
1201	ASV1769	0	3B_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	lignilitoris
1202	ASV1769	0	3W_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	lignilitoris
1203	ASV1769	0	3B_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	lignilitoris
1204	ASV178	0	3B_8	Proteobacteria	Steroidobacteraceae	Steroidobacter	NA
1205	ASV178	0	3W_8	Proteobacteria	Steroidobacteraceae	Steroidobacter	NA
1206	ASV178	0	3B_11	Proteobacteria	Steroidobacteraceae	Steroidobacter	NA
1207	ASV1780	0	3W_11	Proteobacteria	Rhodocyclaceae	Thauera	NA
1208	ASV1780	0	3B_8	Proteobacteria	Rhodocyclaceae	Thauera	NA
1209	ASV1780	0	3B_11	Proteobacteria	Rhodocyclaceae	Thauera	NA
1210	ASV1787	0	3W_11	Proteobacteria	Methylophilaceae	Methylotenera	NA
1211	ASV1787	0	3B_11	Proteobacteria	Methylophilaceae	Methylotenera	NA
1212	ASV1787	0	3W_8	Proteobacteria	Methylophilaceae	Methylotenera	NA
1213	ASV18	0	3W_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	bauzanensis
1214	ASV18	0	3B_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	bauzanensis
1215	ASV18	0	3B_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	bauzanensis
1216	ASV181	0	3B_11	Firmicutes	Caldalkalibacillaceae	Caldalkalibacillus	NA
1217	ASV1811	0	3W_8	Bacteroidota	Chitinophagaceae	Chitinophaga	NA
1218	ASV1811	0	3B_11	Bacteroidota	Chitinophagaceae	Chitinophaga	NA
1219	ASV1811	0	3B_8	Bacteroidota	Chitinophagaceae	Chitinophaga	NA
1220	ASV1815	0	3B_8	Bacteroidota	Paludibacteraceae	Paludibacter	NA
1221	ASV1815	0	3B_11	Bacteroidota	Paludibacteraceae	Paludibacter	NA
1222	ASV1815	0	3W_11	Bacteroidota	Paludibacteraceae	Paludibacter	NA
1223	ASV1818	0	3B_8	Firmicutes	Staphylococcaceae	Jeotgalicoccus	NA

1224	ASV1818	0	3W_8	Firmicutes	Staphylococcaceae	Jeotgalicoccus	NA
1225	ASV1818	0	3W_11	Firmicutes	Staphylococcaceae	Jeotgalicoccus	NA
1226	ASV182	0	3B_8	Acidobacteriota	Blastocatellaceae	Stenotrophobacter	NA
1227	ASV182	0	3W_8	Acidobacteriota	Blastocatellaceae	Stenotrophobacter	NA
1228	ASV182	0	3B_11	Acidobacteriota	Blastocatellaceae	Stenotrophobacter	NA
1229	ASV1821	0	3W_8	Actinobacteriota	Gaiellaceae	Gaiella	NA
1230	ASV1821	0	3B_8	Actinobacteriota	Gaiellaceae	Gaiella	NA
1231	ASV1821	0	3B_11	Actinobacteriota	Gaiellaceae	Gaiella	NA
1232	ASV1828	0	3B_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	atraurantiacus
1233	ASV1828	0	3B_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	atraurantiacus
1234	ASV1828	0	3W_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	atraurantiacus
1235	ASV1835	0	3B_8	Actinobacteriota	Frankiaceae	Jatrophihabitans	NA
1236	ASV1835	0	3W_8	Actinobacteriota	Frankiaceae	Jatrophihabitans	NA
1237	ASV1835	0	3B_11	Actinobacteriota	Frankiaceae	Jatrophihabitans	NA
1238	ASV1839	0	3B_8	Firmicutes	Planococcaceae	Lysinibacillus	NA
1239	ASV1839	0	3W_11	Firmicutes	Planococcaceae	Lysinibacillus	NA
1240	ASV1839	0	3B_11	Firmicutes	Planococcaceae	Lysinibacillus	NA
1241	ASV184	0	3B_8	Deinococcota	Deinococcaceae	Deinococcus	NA
1242	ASV184	0	3W_8	Deinococcota	Deinococcaceae	Deinococcus	NA
1243	ASV184	0	3B_11	Deinococcota	Deinococcaceae	Deinococcus	NA
1244	ASV1840	0	3B_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	jeikeium
1245	ASV1840	0	3W_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	jeikeium
1246	ASV1840	0	3W_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	jeikeium
1247	ASV1851	0	3W_8	Bacteroidota	Chitinophagaceae	Aurantisolimonas	NA
1248	ASV1851	0	3B_8	Bacteroidota	Chitinophagaceae	Aurantisolimonas	NA
1249	ASV1851	0	3B_11	Bacteroidota	Chitinophagaceae	Aurantisolimonas	NA
1250	ASV1853	0	3W_8	Sumerlaeota	Sumerlaeaceae	Sumerlaea	NA
1251	ASV1853	0	3B_11	Sumerlaeota	Sumerlaeaceae	Sumerlaea	NA
1252	ASV1853	0	3B_8	Sumerlaeota	Sumerlaeaceae	Sumerlaea	NA
1253	ASV186	0	3W_11	Proteobacteria	Sphingomonadaceae	Porphyrobacter	NA
1254	ASV1863	0	3W_8	Firmicutes	Peptostreptococcaceae	Romboutsia	NA
1255	ASV1863	0	3B_8	Firmicutes	Peptostreptococcaceae	Romboutsia	NA
1256	ASV1863	0	3B_11	Firmicutes	Peptostreptococcaceae	Romboutsia	NA
1257	ASV1865	0	3B_8	Cyanobacteria	Nostocaceae	Calothrix PCC-6303	NA
1258	ASV1865	0	3B_11	Cyanobacteria	Nostocaceae	Calothrix PCC-6303	NA
1259	ASV1865	0	3W_8	Cyanobacteria	Nostocaceae	Calothrix PCC-6303	NA
1260	ASV1868	0	3W_8	Proteobacteria	Rhizobiales Incertae Sedis	Bauldia	NA
1261	ASV1868	0	3B_11	Proteobacteria	Rhizobiales Incertae Sedis	Bauldia	NA
1262	ASV1868	0	3B_8	Proteobacteria	Rhizobiales Incertae Sedis	Bauldia	NA
1263	ASV1875	0	3B_11	Proteobacteria	Xanthomonadaceae	Stenotrophomonas	maltophilia
1264	ASV1875	0	3B_8	Proteobacteria	Xanthomonadaceae	Stenotrophomonas	maltophilia
1265	ASV1875	0	3W_11	Proteobacteria	Xanthomonadaceae	Stenotrophomonas	maltophilia
1266	ASV1879	0	3W_11	Bacteroidota	Hymenobacteraceae	Hymenobacter	NA
1267	ASV1879	0	3W_8	Bacteroidota	Hymenobacteraceae	Hymenobacter	NA
1268	ASV1879	0	3B_8	Bacteroidota	Hymenobacteraceae	Hymenobacter	NA
1269	ASV188	0	3B_11	Bdellovibrionota	Bacteriovoracaceae	Peredibacter	NA
1270	ASV188	0	3B_8	Bdellovibrionota	Bacteriovoracaceae	Peredibacter	NA
1271	ASV1881	0	3W_11	Bacteroidota	Prevotellaceae	Prevotella	timonensis
1272	ASV1881	0	3W_8	Bacteroidota	Prevotellaceae	Prevotella	timonensis

1273	ASV1881	0	3B_11	Bacteroidota	Prevotellaceae	Prevotella	timonensis
1274	ASV1888	0	3W_8	Proteobacteria	Xanthomonadaceae	Luteimonas	terricola
1275	ASV1888	0	3B_11	Proteobacteria	Xanthomonadaceae	Luteimonas	terricola
1276	ASV1888	0	3B_8	Proteobacteria	Xanthomonadaceae	Luteimonas	terricola
1277	ASV189	0	3B_8	Firmicutes	Planococcaceae	Chungangia	NA
1278	ASV189	0	3W_11	Firmicutes	Planococcaceae	Chungangia	NA
1279	ASV189	0	3B_11	Firmicutes	Planococcaceae	Chungangia	NA
1280	ASV1892	0	3W_8	Deinococcota	Deinococcaceae	Deinobacterium	NA
1281	ASV1892	0	3B_8	Deinococcota	Deinococcaceae	Deinobacterium	NA
1282	ASV1892	0	3B_11	Deinococcota	Deinococcaceae	Deinobacterium	NA
1283	ASV19	0	3W_8	Proteobacteria	Xanthobacteraceae	Afipia	NA
1284	ASV1906	0	3B_11	Proteobacteria	Nitrosomonadaceae	Nitrosomonas	oligotropha
1285	ASV1906	0	3W_8	Proteobacteria	Nitrosomonadaceae	Nitrosomonas	oligotropha
1286	ASV1906	0	3B_8	Proteobacteria	Nitrosomonadaceae	Nitrosomonas	oligotropha
1287	ASV191	0	3B_8	Actinobacteriota	Micrococcaceae	Pseudarthrobacter	NA
1288	ASV191	0	3B_11	Actinobacteriota	Micrococcaceae	Pseudarthrobacter	NA
1289	ASV191	0	3W_8	Actinobacteriota	Micrococcaceae	Pseudarthrobacter	NA
1290	ASV1927	0	3B_11	Bacteroidota	Chitinophagaceae	Cnuella	NA
1291	ASV1927	0	3B_8	Bacteroidota	Chitinophagaceae	Cnuella	NA
1292	ASV1927	0	3W_8	Bacteroidota	Chitinophagaceae	Cnuella	NA
1293	ASV1941	0	3B_8	Firmicutes	Thermoactinomycetaceae	Thermoactinomyces	vulgaris
1294	ASV1941	0	3W_8	Firmicutes	Thermoactinomycetaceae	Thermoactinomyces	vulgaris
1295	ASV1941	0	3W_11	Firmicutes	Thermoactinomycetaceae	Thermoactinomyces	vulgaris
1296	ASV195	0	3B_8	Proteobacteria	Xanthomonadaceae	Thermomonas	brevis
1297	ASV195	0	3B_11	Proteobacteria	Xanthomonadaceae	Thermomonas	brevis
1298	ASV195	0	3W_8	Proteobacteria	Xanthomonadaceae	Thermomonas	brevis
1299	ASV196	0	3B_8	Actinobacteriota	Nocardioideae	Nocardioides	alpinus
1300	ASV196	0	3B_11	Actinobacteriota	Nocardioideae	Nocardioides	alpinus
1301	ASV196	0	3W_8	Actinobacteriota	Nocardioideae	Nocardioides	alpinus
1302	ASV1963	0	3W_8	Chloroflexi	Herpetosiphonaceae	Herpetosiphon	NA
1303	ASV1963	0	3B_8	Chloroflexi	Herpetosiphonaceae	Herpetosiphon	NA
1304	ASV1963	0	3B_11	Chloroflexi	Herpetosiphonaceae	Herpetosiphon	NA
1305	ASV1967	0	3W_8	Actinobacteriota	Nocardioideae	Kribbella	NA
1306	ASV1967	0	3B_11	Actinobacteriota	Nocardioideae	Kribbella	NA
1307	ASV1967	0	3B_8	Actinobacteriota	Nocardioideae	Kribbella	NA
1308	ASV197	0	3B_8	Acidobacteriota	Vicinamibacteraceae	Vicinamibacter	NA
1309	ASV197	0	3B_11	Acidobacteriota	Vicinamibacteraceae	Vicinamibacter	NA
1310	ASV197	0	3W_8	Acidobacteriota	Vicinamibacteraceae	Vicinamibacter	NA
1311	ASV1980	0	3B_8	Firmicutes	Sedimentibacteraceae	Sedimentibacter	NA
1312	ASV1980	0	3B_11	Firmicutes	Sedimentibacteraceae	Sedimentibacter	NA
1313	ASV1980	0	3W_11	Firmicutes	Sedimentibacteraceae	Sedimentibacter	NA
1314	ASV1990	0	3B_11	Bacteroidota	Porphyromonadaceae	Porphyromonas	NA
1315	ASV1990	0	3W_11	Bacteroidota	Porphyromonadaceae	Porphyromonas	NA
1316	ASV1990	0	3W_8	Bacteroidota	Porphyromonadaceae	Porphyromonas	NA
1317	ASV200	0	3B_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	tegetincola
1318	ASV200	0	3W_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	tegetincola
1319	ASV200	0	3B_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	tegetincola
1320	ASV2001	0	3B_8	Verrucomicrobiota	Pedosphaeraceae	Oikopleura	NA
1321	ASV2001	0	3B_11	Verrucomicrobiota	Pedosphaeraceae	Oikopleura	NA

1322	ASV2001	0	3W_8	Verrucomicrobiota	Pedosphaeraceae	Oikopleura	NA
1323	ASV2012	0	3B_8	Proteobacteria	Diplorickettsiaceae	Rickettsiella	NA
1324	ASV2012	0	3B_11	Proteobacteria	Diplorickettsiaceae	Rickettsiella	NA
1325	ASV2012	0	3W_8	Proteobacteria	Diplorickettsiaceae	Rickettsiella	NA
1326	ASV2018	0	3B_8	Firmicutes	Streptococcaceae	Lactococcus	NA
1327	ASV2018	0	3W_8	Firmicutes	Streptococcaceae	Lactococcus	NA
1328	ASV2018	0	3W_11	Firmicutes	Streptococcaceae	Lactococcus	NA
1329	ASV2019	0	3W_8	Firmicutes	Carnobacteriaceae	Alloiococcus	otitis
1330	ASV2019	0	3W_11	Firmicutes	Carnobacteriaceae	Alloiococcus	otitis
1331	ASV2019	0	3B_8	Firmicutes	Carnobacteriaceae	Alloiococcus	otitis
1332	ASV202	0	3B_8	Proteobacteria	Methylophilaceae	Methylophilus	NA
1333	ASV202	0	3W_8	Proteobacteria	Methylophilaceae	Methylophilus	NA
1334	ASV202	0	3B_11	Proteobacteria	Methylophilaceae	Methylophilus	NA
1335	ASV2021	0	3W_11	Spirochaetota	Spirochaetaceae	Treponema	NA
1336	ASV2021	0	3W_8	Spirochaetota	Spirochaetaceae	Treponema	NA
1337	ASV2021	0	3B_8	Spirochaetota	Spirochaetaceae	Treponema	NA
1338	ASV2026	0	3W_11	Proteobacteria	Acetobacteraceae	Rhodopila	NA
1339	ASV2026	0	3W_8	Proteobacteria	Acetobacteraceae	Rhodopila	NA
1340	ASV2026	0	3B_11	Proteobacteria	Acetobacteraceae	Rhodopila	NA
1341	ASV2034	0	3W_8	Acidobacteriota	Acidobacteriaceae (Subgroup)	Granulicella	NA
1342	ASV2034	0	3B_11	Acidobacteriota	Acidobacteriaceae (Subgroup)	Granulicella	NA
1343	ASV2034	0	3B_8	Acidobacteriota	Acidobacteriaceae (Subgroup)	Granulicella	NA
1344	ASV204	0	3B_8	Planctomycetota	Schlesneriaceae	Planctopirus	NA
1345	ASV204	0	3B_11	Planctomycetota	Schlesneriaceae	Planctopirus	NA
1346	ASV2041	0	3W_8	Bacteroidota	Spirosomaceae	Runella	palustris
1347	ASV2041	0	3B_11	Bacteroidota	Spirosomaceae	Runella	palustris
1348	ASV2041	0	3B_8	Bacteroidota	Spirosomaceae	Runella	palustris
1349	ASV2042	0	3W_8	Cyanobacteria	Microcystaceae	Cyanothece PCC-7424	NA
1350	ASV2042	0	3B_11	Cyanobacteria	Microcystaceae	Cyanothece PCC-7424	NA
1351	ASV2042	0	3B_8	Cyanobacteria	Microcystaceae	Cyanothece PCC-7424	NA
1352	ASV205	0	3B_8	Bacteroidota	Weeksellaceae	Cloacibacterium	NA
1353	ASV205	0	3B_11	Bacteroidota	Weeksellaceae	Cloacibacterium	NA
1354	ASV206	0	3W_8	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	gellanilyticus
1355	ASV206	0	3B_8	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	gellanilyticus
1356	ASV206	0	3B_11	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	gellanilyticus
1357	ASV2061	0	3B_11	Firmicutes	Staphylococcaceae	Aliococcus	NA
1358	ASV2061	0	3W_11	Firmicutes	Staphylococcaceae	Aliococcus	NA
1359	ASV2061	0	3B_8	Firmicutes	Staphylococcaceae	Aliococcus	NA
1360	ASV2065	0	3W_8	Cyanobacteria	Nostocaceae	Nostoc PCC-73102	calcicola
1361	ASV2065	0	3W_11	Cyanobacteria	Nostocaceae	Nostoc PCC-73102	calcicola
1362	ASV2065	0	3B_8	Cyanobacteria	Nostocaceae	Nostoc PCC-73102	calcicola
1363	ASV2066	0	3B_8	Proteobacteria	Enterobacteriaceae	Klebsiella	NA
1364	ASV2066	0	3W_11	Proteobacteria	Enterobacteriaceae	Klebsiella	NA
1365	ASV2066	0	3W_8	Proteobacteria	Enterobacteriaceae	Klebsiella	NA
1366	ASV2067	0	3W_8	Bacteroidota	Prevotellaceae	Alloprevotella	NA
1367	ASV2067	0	3B_8	Bacteroidota	Prevotellaceae	Alloprevotella	NA
1368	ASV2067	0	3W_11	Bacteroidota	Prevotellaceae	Alloprevotella	NA
1369	ASV207	0	3B_8	Proteobacteria	Unknown Family	Acidibacter	NA
1370	ASV207	0	3W_8	Proteobacteria	Unknown Family	Acidibacter	NA

1371	ASV207	0	3B_11	Proteobacteria	Unknown Family	Acidibacter	NA
1372	ASV2073	0	3B_11	Campylobacterota	Campylobacteraceae	Campylobacter	ureolyticus
1373	ASV2073	0	3W_8	Campylobacterota	Campylobacteraceae	Campylobacter	ureolyticus
1374	ASV2073	0	3W_11	Campylobacterota	Campylobacteraceae	Campylobacter	ureolyticus
1375	ASV2087	0	3B_11	Firmicutes	Family XI	Anaerococcus	octavius
1376	ASV2087	0	3W_8	Firmicutes	Family XI	Anaerococcus	octavius
1377	ASV2087	0	3B_8	Firmicutes	Family XI	Anaerococcus	octavius
1378	ASV2088	0	3W_8	Proteobacteria	Diplorickettsiaceae	Aquicella	NA
1379	ASV2088	0	3B_11	Proteobacteria	Diplorickettsiaceae	Aquicella	NA
1380	ASV2088	0	3B_8	Proteobacteria	Diplorickettsiaceae	Aquicella	NA
1381	ASV209	0	3B_8	Bdellovibrionota	Oligoflexaceae	Oligoflexus	NA
1382	ASV209	0	3B_11	Bdellovibrionota	Oligoflexaceae	Oligoflexus	NA
1383	ASV209	0	3W_8	Bdellovibrionota	Oligoflexaceae	Oligoflexus	NA
1384	ASV2091	0	3W_8	Chloroflexi	Chloroflexaceae	Chloronema	NA
1385	ASV2091	0	3B_11	Chloroflexi	Chloroflexaceae	Chloronema	NA
1386	ASV2091	0	3B_8	Chloroflexi	Chloroflexaceae	Chloronema	NA
1387	ASV2095	0	3W_11	Firmicutes	Caldicellulosiraptoraceae	Caldicellulosiruptor	NA
1388	ASV2095	0	3B_11	Firmicutes	Caldicellulosiraptoraceae	Caldicellulosiruptor	NA
1389	ASV2095	0	3B_8	Firmicutes	Caldicellulosiraptoraceae	Caldicellulosiruptor	NA
1390	ASV21	0	3B_11	Proteobacteria	Burkholderiaceae	Limnobacter	thiooxidans
1391	ASV21	0	3W_8	Proteobacteria	Burkholderiaceae	Limnobacter	thiooxidans
1392	ASV21	0	3B_8	Proteobacteria	Burkholderiaceae	Limnobacter	thiooxidans
1393	ASV210	0	3B_8	Actinobacteriota	Nocardioideaceae	Aeromicrobium	NA
1394	ASV210	0	3B_11	Actinobacteriota	Nocardioideaceae	Aeromicrobium	NA
1395	ASV210	0	3W_8	Actinobacteriota	Nocardioideaceae	Aeromicrobium	NA
1396	ASV212	0	3B_8	Proteobacteria	Halomonadaceae	Halomonas	NA
1397	ASV213	0	3B_8	Proteobacteria	Oxalobacteraceae	Noviherbaspirillum	suwonense
1398	ASV213	0	3B_11	Proteobacteria	Oxalobacteraceae	Noviherbaspirillum	suwonense
1399	ASV213	0	3W_8	Proteobacteria	Oxalobacteraceae	Noviherbaspirillum	suwonense
1400	ASV215	0	3W_11	Proteobacteria	Gallionellaceae	Sideroxydans	NA
1401	ASV215	0	3B_11	Proteobacteria	Gallionellaceae	Sideroxydans	NA
1402	ASV215	0	3B_8	Proteobacteria	Gallionellaceae	Sideroxydans	NA
1403	ASV217	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	jaspsi
1404	ASV217	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	jaspsi
1405	ASV217	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	jaspsi
1406	ASV223	0	3B_8	Proteobacteria	Rhodanobacteraceae	Tahibacter	aquaticus
1407	ASV223	0	3W_8	Proteobacteria	Rhodanobacteraceae	Tahibacter	aquaticus
1408	ASV223	0	3B_11	Proteobacteria	Rhodanobacteraceae	Tahibacter	aquaticus
1409	ASV231	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingopyxis	witflariensis
1410	ASV231	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingopyxis	witflariensis
1411	ASV231	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingopyxis	witflariensis
1412	ASV234	0	3B_8	Firmicutes	Bacillaceae	Ornithinibacillus	NA
1413	ASV238	0	3B_8	Bacteroidota	Chitinophagaceae	Ferruginibacter	NA
1414	ASV238	0	3W_8	Bacteroidota	Chitinophagaceae	Ferruginibacter	NA
1415	ASV238	0	3B_11	Bacteroidota	Chitinophagaceae	Ferruginibacter	NA
1416	ASV239	0	3B_8	Actinobacteriota	Bogoriellaceae	Georgenia	NA
1417	ASV239	0	3B_11	Actinobacteriota	Bogoriellaceae	Georgenia	NA
1418	ASV242	0	3B_8	Bacteroidota	Microscillaceae	Chryseolinea	NA
1419	ASV242	0	3W_8	Bacteroidota	Microscillaceae	Chryseolinea	NA

1420	ASV242		0 3B_11	Bacteroidota	Microscillaceae	Chryseolinea	NA
1421	ASV246		0 3W_8	Proteobacteria	Rhodobacteraceae	Gemmobacter	NA
1422	ASV246		0 3B_8	Proteobacteria	Rhodobacteraceae	Gemmobacter	NA
1423	ASV246		0 3B_11	Proteobacteria	Rhodobacteraceae	Gemmobacter	NA
1424	ASV249		0 3W_8	Proteobacteria	Alteromonadaceae	Rheinheimera	NA
1425	ASV249		0 3B_11	Proteobacteria	Alteromonadaceae	Rheinheimera	NA
1426	ASV249		0 3B_8	Proteobacteria	Alteromonadaceae	Rheinheimera	NA
1427	ASV25		0 3W_8	Proteobacteria	Solimonadaceae	Solimonas	NA
1428	ASV25		0 3B_8	Proteobacteria	Solimonadaceae	Solimonas	NA
1429	ASV25		0 3B_11	Proteobacteria	Solimonadaceae	Solimonas	NA
1430	ASV252		0 3W_11	Firmicutes	Thermoactinomycetaceae	Novibacillus	thermophilus
1431	ASV252		0 3B_8	Firmicutes	Thermoactinomycetaceae	Novibacillus	thermophilus
1432	ASV252		0 3B_11	Firmicutes	Thermoactinomycetaceae	Novibacillus	thermophilus
1433	ASV254		0 3B_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	luteus
1434	ASV254		0 3B_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	luteus
1435	ASV254		0 3W_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	luteus
1436	ASV255		0 3W_8	Proteobacteria	Rhodanobacteraceae	Ahniella	NA
1437	ASV255		0 3B_11	Proteobacteria	Rhodanobacteraceae	Ahniella	NA
1438	ASV255		0 3B_8	Proteobacteria	Rhodanobacteraceae	Ahniella	NA
1439	ASV257		0 3B_11	Proteobacteria	Unknown Family	Candidatus Ovatusbacter	NA
1440	ASV257		0 3B_8	Proteobacteria	Unknown Family	Candidatus Ovatusbacter	NA
1441	ASV259		0 3W_8	Actinobacteriota	Pseudonocardiaceae	Actinomycetospora	iriomotensis
1442	ASV259		0 3B_8	Actinobacteriota	Pseudonocardiaceae	Actinomycetospora	iriomotensis
1443	ASV259		0 3B_11	Actinobacteriota	Pseudonocardiaceae	Actinomycetospora	iriomotensis
1444	ASV26		0 3B_8	Proteobacteria	Devosiaceae	Devosia	NA
1445	ASV26		0 3B_11	Proteobacteria	Devosiaceae	Devosia	NA
1446	ASV265		0 3B_8	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	NA
1447	ASV265		0 3B_11	Proteobacteria	Xanthomonadaceae	Pseudoxanthomonas	NA
1448	ASV266		0 3W_8	Proteobacteria	Unknown Family	Candidatus Berkiella	NA
1449	ASV266		0 3B_11	Proteobacteria	Unknown Family	Candidatus Berkiella	NA
1450	ASV266		0 3B_8	Proteobacteria	Unknown Family	Candidatus Berkiella	NA
1451	ASV268		0 3W_8	Proteobacteria	Moraxellaceae	Acinetobacter	lwoffii
1452	ASV268		0 3B_8	Proteobacteria	Moraxellaceae	Acinetobacter	lwoffii
1453	ASV270		0 3B_11	Actinobacteriota	Pseudonocardiaceae	Actinomycetospora	NA
1454	ASV270		0 3W_8	Actinobacteriota	Pseudonocardiaceae	Actinomycetospora	NA
1455	ASV270		0 3B_8	Actinobacteriota	Pseudonocardiaceae	Actinomycetospora	NA
1456	ASV272		0 3B_11	Actinobacteriota	Intrasporangiaceae	Ornithinibacter	aureus
1457	ASV272		0 3B_8	Actinobacteriota	Intrasporangiaceae	Ornithinibacter	aureus
1458	ASV272		0 3W_8	Actinobacteriota	Intrasporangiaceae	Ornithinibacter	aureus
1459	ASV275		0 3B_8	Proteobacteria	Moraxellaceae	Psychrobacter	NA
1460	ASV275		0 3W_8	Proteobacteria	Moraxellaceae	Psychrobacter	NA
1461	ASV277		0 3W_8	Proteobacteria	Rickettsiaceae	Rickettsia	NA
1462	ASV277		0 3B_8	Proteobacteria	Rickettsiaceae	Rickettsia	NA
1463	ASV277		0 3B_11	Proteobacteria	Rickettsiaceae	Rickettsia	NA
1464	ASV278		0 3W_8	Proteobacteria	Rhodomicrobiaceae	Rhodomicrobium	NA
1465	ASV278		0 3B_11	Proteobacteria	Rhodomicrobiaceae	Rhodomicrobium	NA
1466	ASV278		0 3B_8	Proteobacteria	Rhodomicrobiaceae	Rhodomicrobium	NA
1467	ASV28		0 3B_8	Bacteroidota	Weeksellaceae	Chryseobacterium	NA
1468	ASV28		0 3W_8	Bacteroidota	Weeksellaceae	Chryseobacterium	NA

1469	ASV281	0	3B_8	Bacteroidota	Sphingobacteriaceae	Arcticibacter	NA
1470	ASV281	0	3B_11	Bacteroidota	Sphingobacteriaceae	Arcticibacter	NA
1471	ASV281	0	3W_11	Bacteroidota	Sphingobacteriaceae	Arcticibacter	NA
1472	ASV284	0	3B_11	Proteobacteria	Oxalobacteraceae	Hermiimonas	NA
1473	ASV284	0	3W_8	Proteobacteria	Oxalobacteraceae	Hermiimonas	NA
1474	ASV284	0	3B_8	Proteobacteria	Oxalobacteraceae	Hermiimonas	NA
1475	ASV287	0	3B_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	terrigena
1476	ASV287	0	3B_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	terrigena
1477	ASV287	0	3W_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	terrigena
1478	ASV289	0	3B_8	Proteobacteria	Comamonadaceae	Polaromonas	NA
1479	ASV289	0	3B_11	Proteobacteria	Comamonadaceae	Polaromonas	NA
1480	ASV289	0	3W_8	Proteobacteria	Comamonadaceae	Polaromonas	NA
1481	ASV292	0	3B_11	Bacteroidota	Spirosomaceae	Persicitalea	NA
1482	ASV292	0	3B_8	Bacteroidota	Spirosomaceae	Persicitalea	NA
1483	ASV292	0	3W_8	Bacteroidota	Spirosomaceae	Persicitalea	NA
1484	ASV293	0	3B_8	Proteobacteria	Sphingomonadaceae	Altererythrobacter	NA
1485	ASV293	0	3B_11	Proteobacteria	Sphingomonadaceae	Altererythrobacter	NA
1486	ASV296	0	3W_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	insulae
1487	ASV296	0	3B_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	insulae
1488	ASV296	0	3B_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	insulae
1489	ASV300	0	3W_8	Proteobacteria	Xanthobacteraceae	Rhodopseudomonas	NA
1490	ASV301	0	3W_8	Proteobacteria	Comamonadaceae	Leptothrix	NA
1491	ASV301	0	3B_11	Proteobacteria	Comamonadaceae	Leptothrix	NA
1492	ASV301	0	3B_8	Proteobacteria	Comamonadaceae	Leptothrix	NA
1493	ASV312	0	3B_11	Proteobacteria	Comamonadaceae	Aquabacterium	NA
1494	ASV312	0	3B_8	Proteobacteria	Comamonadaceae	Aquabacterium	NA
1495	ASV313	0	3W_8	Proteobacteria	Acetobacteraceae	Roseomonas	NA
1496	ASV313	0	3B_11	Proteobacteria	Acetobacteraceae	Roseomonas	NA
1497	ASV313	0	3B_8	Proteobacteria	Acetobacteraceae	Roseomonas	NA
1498	ASV316	0	3W_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	heparinus
1499	ASV316	0	3B_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	heparinus
1500	ASV316	0	3B_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	heparinus
1501	ASV317	0	3W_8	Acidobacteriota	Blastocatellaceae	JGI 0001001-H03	NA
1502	ASV317	0	3B_11	Acidobacteriota	Blastocatellaceae	JGI 0001001-H03	NA
1503	ASV317	0	3B_8	Acidobacteriota	Blastocatellaceae	JGI 0001001-H03	NA
1504	ASV318	0	3B_11	Actinobacteriota	Nocardioidaceae	Nocardioides	NA
1505	ASV318	0	3B_8	Actinobacteriota	Nocardioidaceae	Nocardioides	NA
1506	ASV318	0	3W_8	Actinobacteriota	Nocardioidaceae	Nocardioides	NA
1507	ASV319	0	3B_11	Proteobacteria	Comamonadaceae	Ramlibacter	NA
1508	ASV319	0	3W_8	Proteobacteria	Comamonadaceae	Ramlibacter	NA
1509	ASV319	0	3B_8	Proteobacteria	Comamonadaceae	Ramlibacter	NA
1510	ASV32	0	3B_8	Proteobacteria	Comamonadaceae	Inhella	NA
1511	ASV32	0	3B_11	Proteobacteria	Comamonadaceae	Inhella	NA
1512	ASV32	0	3W_8	Proteobacteria	Comamonadaceae	Inhella	NA
1513	ASV321	0	3B_11	Actinobacteriota	Micromonosporaceae	Virgisporangium	aliadipatigenens
1514	ASV321	0	3W_8	Actinobacteriota	Micromonosporaceae	Virgisporangium	aliadipatigenens
1515	ASV321	0	3B_8	Actinobacteriota	Micromonosporaceae	Virgisporangium	aliadipatigenens
1516	ASV322	0	3B_11	Verrucomicrobiota	Opitutaceae	Lacunisphaera	NA
1517	ASV322	0	3W_8	Verrucomicrobiota	Opitutaceae	Lacunisphaera	NA

1518	ASV322	0	3B_8	Verrucomicrobiota	Opitutaceae	Lacunisphaera	NA
1519	ASV325	0	3B_8	Firmicutes	Streptococcaceae	Streptococcus	NA
1520	ASV330	0	3W_8	Acidobacteriota	Bryobacteraceae	Bryobacter	NA
1521	ASV330	0	3B_11	Acidobacteriota	Bryobacteraceae	Bryobacter	NA
1522	ASV330	0	3B_8	Acidobacteriota	Bryobacteraceae	Bryobacter	NA
1523	ASV333	0	3B_11	Proteobacteria	Oxalobacteraceae	Undibacterium	NA
1524	ASV333	0	3B_8	Proteobacteria	Oxalobacteraceae	Undibacterium	NA
1525	ASV336	0	3W_8	Actinobacteriota	Cryptosporangiaceae	Cryptosporangium	NA
1526	ASV336	0	3B_8	Actinobacteriota	Cryptosporangiaceae	Cryptosporangium	NA
1527	ASV336	0	3B_11	Actinobacteriota	Cryptosporangiaceae	Cryptosporangium	NA
1528	ASV338	0	3B_8	Proteobacteria	Beijerinckiaceae	Camelimonas	NA
1529	ASV338	0	3W_8	Proteobacteria	Beijerinckiaceae	Camelimonas	NA
1530	ASV338	0	3B_11	Proteobacteria	Beijerinckiaceae	Camelimonas	NA
1531	ASV34	0	3W_8	Proteobacteria	Acetobacteraceae	Roseococcus	NA
1532	ASV341	0	3B_11	Bdellovibrionota	Bdellovibrionaceae	Bdellovibrio	NA
1533	ASV341	0	3W_8	Bdellovibrionota	Bdellovibrionaceae	Bdellovibrio	NA
1534	ASV342	0	3B_8	Proteobacteria	Spongiibacteraceae	BD1-7 clade	NA
1535	ASV342	0	3B_11	Proteobacteria	Spongiibacteraceae	BD1-7 clade	NA
1536	ASV342	0	3W_8	Proteobacteria	Spongiibacteraceae	BD1-7 clade	NA
1537	ASV345	0	3B_8	Proteobacteria	Enterobacteriaceae	Citrobacter	NA
1538	ASV345	0	3B_11	Proteobacteria	Enterobacteriaceae	Citrobacter	NA
1539	ASV345	0	3W_11	Proteobacteria	Enterobacteriaceae	Citrobacter	NA
1540	ASV349	0	3B_8	Proteobacteria	Xanthomonadaceae	Lysobacter	spongiicola
1541	ASV349	0	3W_8	Proteobacteria	Xanthomonadaceae	Lysobacter	spongiicola
1542	ASV349	0	3B_11	Proteobacteria	Xanthomonadaceae	Lysobacter	spongiicola
1543	ASV350	0	3B_8	Planctomycetota	Pirellulaceae	Pirellula	NA
1544	ASV350	0	3B_11	Planctomycetota	Pirellulaceae	Pirellula	NA
1545	ASV350	0	3W_8	Planctomycetota	Pirellulaceae	Pirellula	NA
1546	ASV351	0	3W_8	Proteobacteria	Comamonadaceae	Paucibacter	NA
1547	ASV351	0	3B_11	Proteobacteria	Comamonadaceae	Paucibacter	NA
1548	ASV351	0	3B_8	Proteobacteria	Comamonadaceae	Paucibacter	NA
1549	ASV357	0	3W_8	Acidobacteriota	Blastocatellaceae	Aridibacter	NA
1550	ASV357	0	3B_8	Acidobacteriota	Blastocatellaceae	Aridibacter	NA
1551	ASV357	0	3B_11	Acidobacteriota	Blastocatellaceae	Aridibacter	NA
1552	ASV358	0	3W_8	Proteobacteria	Xanthomonadaceae	Luteimonas	NA
1553	ASV358	0	3B_11	Proteobacteria	Xanthomonadaceae	Luteimonas	NA
1554	ASV358	0	3B_8	Proteobacteria	Xanthomonadaceae	Luteimonas	NA
1555	ASV36	0	3W_8	Proteobacteria	Sphingomonadaceae	Novosphingobium	NA
1556	ASV360	0	3B_8	Proteobacteria	Comamonadaceae	Hydrogenophaga	palleronii
1557	ASV360	0	3B_11	Proteobacteria	Comamonadaceae	Hydrogenophaga	palleronii
1558	ASV360	0	3W_8	Proteobacteria	Comamonadaceae	Hydrogenophaga	palleronii
1559	ASV361	0	3B_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	suicordis
1560	ASV361	0	3W_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	suicordis
1561	ASV363	0	3B_8	Proteobacteria	Nitrosomonadaceae	Ellin6067	NA
1562	ASV363	0	3B_11	Proteobacteria	Nitrosomonadaceae	Ellin6067	NA
1563	ASV365	0	3W_8	Actinobacteriota	Micrococcaceae	Paenarthrobacter	NA
1564	ASV365	0	3B_8	Actinobacteriota	Micrococcaceae	Paenarthrobacter	NA
1565	ASV367	0	3W_8	Proteobacteria	Reyranellaceae	Reyranella	aquatilis
1566	ASV367	0	3B_11	Proteobacteria	Reyranellaceae	Reyranella	aquatilis

1567	ASV367		0 3B_8	Proteobacteria	Reyraneliaceae	Reyranela	aquatilis
1568	ASV371		0 3W_8	Proteobacteria	Caulobacteraceae	Asticcacaulis	excentricus
1569	ASV371		0 3B_8	Proteobacteria	Caulobacteraceae	Asticcacaulis	excentricus
1570	ASV371		0 3B_11	Proteobacteria	Caulobacteraceae	Asticcacaulis	excentricus
1571	ASV372		0 3B_11	Bacteroidota	Crocinitomicaceae	Salinirepens	NA
1572	ASV372		0 3B_8	Bacteroidota	Crocinitomicaceae	Salinirepens	NA
1573	ASV372		0 3W_8	Bacteroidota	Crocinitomicaceae	Salinirepens	NA
1574	ASV378		0 3B_8	Proteobacteria	Rhizobiaceae	Mesorhizobium	NA
1575	ASV378		0 3W_8	Proteobacteria	Rhizobiaceae	Mesorhizobium	NA
1576	ASV378		0 3B_11	Proteobacteria	Rhizobiaceae	Mesorhizobium	NA
1577	ASV379		0 3B_8	Firmicutes	Planococcaceae	Solibacillus	NA
1578	ASV38		0 3B_11	Actinobacteriota	Nocardoidaceae	Aeromicrobium	ponti
1579	ASV38		0 3B_8	Actinobacteriota	Nocardoidaceae	Aeromicrobium	ponti
1580	ASV38		0 3W_8	Actinobacteriota	Nocardoidaceae	Aeromicrobium	ponti
1581	ASV380		0 3W_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	buctense
1582	ASV380		0 3B_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	buctense
1583	ASV380		0 3B_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	buctense
1584	ASV381		0 3W_8	Proteobacteria	Comamonadaceae	Pseudorhodiferax	NA
1585	ASV381		0 3B_8	Proteobacteria	Comamonadaceae	Pseudorhodiferax	NA
1586	ASV381		0 3B_11	Proteobacteria	Comamonadaceae	Pseudorhodiferax	NA
1587	ASV383		0 3W_8	Proteobacteria	Alcaligenaceae	Achromobacter	NA
1588	ASV383		0 3B_11	Proteobacteria	Alcaligenaceae	Achromobacter	NA
1589	ASV383		0 3B_8	Proteobacteria	Alcaligenaceae	Achromobacter	NA
1590	ASV384		0 3W_8	Proteobacteria	Sutterellaceae	AAP99	NA
1591	ASV384		0 3B_11	Proteobacteria	Sutterellaceae	AAP99	NA
1592	ASV384		0 3B_8	Proteobacteria	Sutterellaceae	AAP99	NA
1593	ASV386		0 3B_11	Proteobacteria	Solimonadaceae	Nevskia	ramosa
1594	ASV386		0 3B_8	Proteobacteria	Solimonadaceae	Nevskia	ramosa
1595	ASV386		0 3W_8	Proteobacteria	Solimonadaceae	Nevskia	ramosa
1596	ASV387		0 3B_11	Proteobacteria	Alcanivoracaceae1	Alcanivorax	NA
1597	ASV387		0 3B_8	Proteobacteria	Alcanivoracaceae1	Alcanivorax	NA
1598	ASV387		0 3W_11	Proteobacteria	Alcanivoracaceae1	Alcanivorax	NA
1599	ASV388		0 3W_8	Proteobacteria	Comamonadaceae	Piscinibacter	NA
1600	ASV388		0 3B_11	Proteobacteria	Comamonadaceae	Piscinibacter	NA
1601	ASV390		0 3W_8	Proteobacteria	Rhodanobacteraceae	Dokdonella	NA
1602	ASV390		0 3B_11	Proteobacteria	Rhodanobacteraceae	Dokdonella	NA
1603	ASV390		0 3B_8	Proteobacteria	Rhodanobacteraceae	Dokdonella	NA
1604	ASV40		0 3W_8	Proteobacteria	Moraxellaceae	Paraperlucidibaca	NA
1605	ASV40		0 3B_8	Proteobacteria	Moraxellaceae	Paraperlucidibaca	NA
1606	ASV40		0 3B_11	Proteobacteria	Moraxellaceae	Paraperlucidibaca	NA
1607	ASV402		0 3W_8	Proteobacteria	Methylophilaceae	Methylotenera	versatilis
1608	ASV402		0 3B_11	Proteobacteria	Methylophilaceae	Methylotenera	versatilis
1609	ASV402		0 3B_8	Proteobacteria	Methylophilaceae	Methylotenera	versatilis
1610	ASV403		0 3W_8	Firmicutes	Planococcaceae	Sporosarcina	NA
1611	ASV403		0 3B_8	Firmicutes	Planococcaceae	Sporosarcina	NA
1612	ASV403		0 3B_11	Firmicutes	Planococcaceae	Sporosarcina	NA
1613	ASV408		0 3B_11	Proteobacteria	Burkholderiaceae	Cupriavidus	NA
1614	ASV408		0 3W_8	Proteobacteria	Burkholderiaceae	Cupriavidus	NA
1615	ASV408		0 3B_8	Proteobacteria	Burkholderiaceae	Cupriavidus	NA

1616	ASV409	0	3B_11	Planctomycetota	Gemmataceae	Gemmata	NA
1617	ASV409	0	3W_8	Planctomycetota	Gemmataceae	Gemmata	NA
1618	ASV409	0	3B_8	Planctomycetota	Gemmataceae	Gemmata	NA
1619	ASV412	0	3B_11	Actinobacteriota	Nocardioideaceae	Nocardioides	daedukensis
1620	ASV412	0	3W_8	Actinobacteriota	Nocardioideaceae	Nocardioides	daedukensis
1621	ASV412	0	3B_8	Actinobacteriota	Nocardioideaceae	Nocardioides	daedukensis
1622	ASV415	0	3W_8	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	flavescens
1623	ASV415	0	3B_8	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	flavescens
1624	ASV415	0	3B_11	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	flavescens
1625	ASV416	0	3B_11	Proteobacteria	Cellvibrionaceae	Marinagarivorans	NA
1626	ASV416	0	3W_8	Proteobacteria	Cellvibrionaceae	Marinagarivorans	NA
1627	ASV416	0	3B_8	Proteobacteria	Cellvibrionaceae	Marinagarivorans	NA
1628	ASV418	0	3B_8	Campylobacterota	Campylobacteraceae	Campylobacter	gracilis
1629	ASV418	0	3W_11	Campylobacterota	Campylobacteraceae	Campylobacter	gracilis
1630	ASV418	0	3B_11	Campylobacterota	Campylobacteraceae	Campylobacter	gracilis
1631	ASV42	0	3B_11	Firmicutes	Enterococcaceae	Enterococcus	cecorum
1632	ASV42	0	3B_8	Firmicutes	Enterococcaceae	Enterococcus	cecorum
1633	ASV426	0	3W_8	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	NA
1634	ASV426	0	3B_11	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	NA
1635	ASV426	0	3B_8	Verrucomicrobiota	Rubritaleaceae	Luteolibacter	NA
1636	ASV430	0	3W_8	Acidobacteriota	Blastocatellaceae	OLB17	NA
1637	ASV430	0	3B_8	Acidobacteriota	Blastocatellaceae	OLB17	NA
1638	ASV430	0	3B_11	Acidobacteriota	Blastocatellaceae	OLB17	NA
1639	ASV437	0	3B_11	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	effusa
1640	ASV437	0	3W_8	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	effusa
1641	ASV437	0	3B_8	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	effusa
1642	ASV44	0	3B_8	Firmicutes	Caldalkalibacillaceae	Caldalkalibacillus	thermarum
1643	ASV441	0	3B_8	Firmicutes	Bacillaceae	Bacillus	NA
1644	ASV442	0	3W_8	Verrucomicrobiota	Opitutaceae	IMCC26134	NA
1645	ASV442	0	3B_11	Verrucomicrobiota	Opitutaceae	IMCC26134	NA
1646	ASV442	0	3B_8	Verrucomicrobiota	Opitutaceae	IMCC26134	NA
1647	ASV445	0	3B_8	Verrucomicrobiota	Chthoniobacteraceae	Chthoniobacter	NA
1648	ASV445	0	3B_11	Verrucomicrobiota	Chthoniobacteraceae	Chthoniobacter	NA
1649	ASV447	0	3B_8	Firmicutes	Ruminococcaceae	Ruminococcus	bromii
1650	ASV447	0	3W_11	Firmicutes	Ruminococcaceae	Ruminococcus	bromii
1651	ASV447	0	3B_11	Firmicutes	Ruminococcaceae	Ruminococcus	bromii
1652	ASV448	0	3W_8	Proteobacteria	Nitrosomonadaceae	mle1-7	NA
1653	ASV448	0	3B_8	Proteobacteria	Nitrosomonadaceae	mle1-7	NA
1654	ASV448	0	3B_11	Proteobacteria	Nitrosomonadaceae	mle1-7	NA
1655	ASV45	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	koreensis
1656	ASV45	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingomonas	koreensis
1657	ASV454	0	3W_11	Proteobacteria	Alcaligenaceae	Pigmentiphaga	NA
1658	ASV454	0	3B_8	Proteobacteria	Alcaligenaceae	Pigmentiphaga	NA
1659	ASV454	0	3B_11	Proteobacteria	Alcaligenaceae	Pigmentiphaga	NA
1660	ASV457	0	3B_8	Deinococcota	Trueperaceae	Truepera	NA
1661	ASV457	0	3B_11	Deinococcota	Trueperaceae	Truepera	NA
1662	ASV457	0	3W_8	Deinococcota	Trueperaceae	Truepera	NA
1663	ASV458	0	3B_8	Bacteroidota	Rhodothermaceae	Rubrivirga	NA
1664	ASV458	0	3B_11	Bacteroidota	Rhodothermaceae	Rubrivirga	NA

1665	ASV458		0 3W_8	Bacteroidota	Rhodothermaceae	Rubrivirga	NA
1666	ASV459		0 3W_8	Planctomycetota	Gemmataceae	Fimbrigliobus	NA
1667	ASV459		0 3B_8	Planctomycetota	Gemmataceae	Fimbrigliobus	NA
1668	ASV459		0 3B_11	Planctomycetota	Gemmataceae	Fimbrigliobus	NA
1669	ASV46		0 3W_8	Proteobacteria	Devosiaceae	Devosia	limi
1670	ASV46		0 3B_11	Proteobacteria	Devosiaceae	Devosia	limi
1671	ASV46		0 3B_8	Proteobacteria	Devosiaceae	Devosia	limi
1672	ASV461		0 3W_11	Firmicutes	Family XI	Peptoniphilus	NA
1673	ASV461		0 3B_8	Firmicutes	Family XI	Peptoniphilus	NA
1674	ASV462		0 3W_8	Proteobacteria	Geminicoccaceae	Candidatus Alysiosphaera	NA
1675	ASV462		0 3B_11	Proteobacteria	Geminicoccaceae	Candidatus Alysiosphaera	NA
1676	ASV462		0 3B_8	Proteobacteria	Geminicoccaceae	Candidatus Alysiosphaera	NA
1677	ASV463		0 3B_8	Actinobacteriota	Geodermatophilaceae	Blastococcus	NA
1678	ASV463		0 3B_11	Actinobacteriota	Geodermatophilaceae	Blastococcus	NA
1679	ASV463		0 3W_8	Actinobacteriota	Geodermatophilaceae	Blastococcus	NA
1680	ASV464		0 3B_8	Firmicutes	Lactobacillaceae	Fructobacillus	NA
1681	ASV464		0 3B_11	Firmicutes	Lactobacillaceae	Fructobacillus	NA
1682	ASV464		0 3W_8	Firmicutes	Lactobacillaceae	Fructobacillus	NA
1683	ASV465		0 3B_11	Actinobacteriota	Micromonosporaceae	Salinispora	NA
1684	ASV465		0 3W_11	Actinobacteriota	Micromonosporaceae	Salinispora	NA
1685	ASV465		0 3B_8	Actinobacteriota	Micromonosporaceae	Salinispora	NA
1686	ASV467		0 3B_8	Proteobacteria	Sphingomonadaceae	Blastomonas	NA
1687	ASV467		0 3W_8	Proteobacteria	Sphingomonadaceae	Blastomonas	NA
1688	ASV468		0 3B_8	Bacteroidota	Weeksellaceae	Chryseobacterium	antarcticum
1689	ASV468		0 3W_8	Bacteroidota	Weeksellaceae	Chryseobacterium	antarcticum
1690	ASV468		0 3B_11	Bacteroidota	Weeksellaceae	Chryseobacterium	antarcticum
1691	ASV469		0 3W_8	Actinobacteriota	Demequinaceae	Demequina	NA
1692	ASV469		0 3B_8	Actinobacteriota	Demequinaceae	Demequina	NA
1693	ASV469		0 3B_11	Actinobacteriota	Demequinaceae	Demequina	NA
1694	ASV472		0 3B_11	Proteobacteria	Devosiaceae	Devosia	enhydra
1695	ASV472		0 3W_8	Proteobacteria	Devosiaceae	Devosia	enhydra
1696	ASV472		0 3B_8	Proteobacteria	Devosiaceae	Devosia	enhydra
1697	ASV474		0 3B_8	Myxococcota	Haliangiaceae	Haliangium	NA
1698	ASV474		0 3B_11	Myxococcota	Haliangiaceae	Haliangium	NA
1699	ASV474		0 3W_8	Myxococcota	Haliangiaceae	Haliangium	NA
1700	ASV480		0 3B_8	Planctomycetota	Pirellulaceae	Pir4 lineage	NA
1701	ASV480		0 3B_11	Planctomycetota	Pirellulaceae	Pir4 lineage	NA
1702	ASV480		0 3W_8	Planctomycetota	Pirellulaceae	Pir4 lineage	NA
1703	ASV482		0 3B_11	Proteobacteria	Rhodobacteraceae	Cereibacter	changlensis
1704	ASV482		0 3B_8	Proteobacteria	Rhodobacteraceae	Cereibacter	changlensis
1705	ASV482		0 3W_8	Proteobacteria	Rhodobacteraceae	Cereibacter	changlensis
1706	ASV483		0 3B_8	Myxococcota	Sandaracinaceae	Sandaracinus	NA
1707	ASV483		0 3B_11	Myxococcota	Sandaracinaceae	Sandaracinus	NA
1708	ASV483		0 3W_8	Myxococcota	Sandaracinaceae	Sandaracinus	NA
1709	ASV487		0 3B_8	Proteobacteria	Legionellaceae	Legionella	NA
1710	ASV487		0 3W_8	Proteobacteria	Legionellaceae	Legionella	NA
1711	ASV487		0 3B_11	Proteobacteria	Legionellaceae	Legionella	NA
1712	ASV49		0 3W_8	Verrucomicrobiota	Opitutaceae	Opitutus	NA
1713	ASV49		0 3B_8	Verrucomicrobiota	Opitutaceae	Opitutus	NA

1714	ASV49		0 3B_11	Verrucomicrobiota	Opitutaceae	Opitutus	NA
1715	ASV490		0 3W_8	Gemmatimonadota	Gemmatimonadaceae	Gemmatimonas	NA
1716	ASV490		0 3B_11	Gemmatimonadota	Gemmatimonadaceae	Gemmatimonas	NA
1717	ASV490		0 3B_8	Gemmatimonadota	Gemmatimonadaceae	Gemmatimonas	NA
1718	ASV491		0 3W_8	Proteobacteria	Sphingomonadaceae	Ellin6055	NA
1719	ASV491		0 3B_11	Proteobacteria	Sphingomonadaceae	Ellin6055	NA
1720	ASV491		0 3B_8	Proteobacteria	Sphingomonadaceae	Ellin6055	NA
1721	ASV497		0 3B_11	Actinobacteriota	Actinomycetaceae	Actinomyces	odontolyticus
1722	ASV497		0 3B_8	Actinobacteriota	Actinomycetaceae	Actinomyces	odontolyticus
1723	ASV497		0 3W_8	Actinobacteriota	Actinomycetaceae	Actinomyces	odontolyticus
1724	ASV498		0 3B_11	Bacteroidota	Chitinophagaceae	Puia	NA
1725	ASV498		0 3B_8	Bacteroidota	Chitinophagaceae	Puia	NA
1726	ASV498		0 3W_8	Bacteroidota	Chitinophagaceae	Puia	NA
1727	ASV50		0 3W_8	Proteobacteria	Alteromonadaceae	Rheinheimera	pacifica
1728	ASV50		0 3B_8	Proteobacteria	Alteromonadaceae	Rheinheimera	pacifica
1729	ASV50		0 3B_11	Proteobacteria	Alteromonadaceae	Rheinheimera	pacifica
1730	ASV514		0 3B_8	Proteobacteria	Xanthomonadaceae	Lysobacter	NA
1731	ASV514		0 3B_11	Proteobacteria	Xanthomonadaceae	Lysobacter	NA
1732	ASV514		0 3W_8	Proteobacteria	Xanthomonadaceae	Lysobacter	NA
1733	ASV519		0 3B_8	Proteobacteria	Azospirillales Incertae Sedis	Stella	humosa
1734	ASV519		0 3W_8	Proteobacteria	Azospirillales Incertae Sedis	Stella	humosa
1735	ASV519		0 3B_11	Proteobacteria	Azospirillales Incertae Sedis	Stella	humosa
1736	ASV53		0 3B_11	Proteobacteria	Oxalobacteraceae	Undibacterium	parvum
1737	ASV53		0 3B_8	Proteobacteria	Oxalobacteraceae	Undibacterium	parvum
1738	ASV533		0 3B_8	Actinobacteriota	Kineosporiaceae	Kineosporia	rhamnosa
1739	ASV533		0 3W_8	Actinobacteriota	Kineosporiaceae	Kineosporia	rhamnosa
1740	ASV533		0 3B_11	Actinobacteriota	Kineosporiaceae	Kineosporia	rhamnosa
1741	ASV534		0 3B_11	Chloroflexi	Anaerolineaceae	Anaerolineaceae UCG-001	NA
1742	ASV534		0 3B_8	Chloroflexi	Anaerolineaceae	Anaerolineaceae UCG-001	NA
1743	ASV538		0 3B_11	Bdellovibrionota	Bacteriovoracaceae	Peredibacter	starrii
1744	ASV538		0 3B_8	Bdellovibrionota	Bacteriovoracaceae	Peredibacter	starrii
1745	ASV538		0 3W_8	Bdellovibrionota	Bacteriovoracaceae	Peredibacter	starrii
1746	ASV540		0 3B_11	Actinobacteriota	Nocardioideaceae	Marmoricola	NA
1747	ASV540		0 3W_8	Actinobacteriota	Nocardioideaceae	Marmoricola	NA
1748	ASV540		0 3B_8	Actinobacteriota	Nocardioideaceae	Marmoricola	NA
1749	ASV545		0 3B_11	Proteobacteria	Moraxellaceae	Cavicella	NA
1750	ASV545		0 3W_8	Proteobacteria	Moraxellaceae	Cavicella	NA
1751	ASV545		0 3B_8	Proteobacteria	Moraxellaceae	Cavicella	NA
1752	ASV546		0 3B_11	Proteobacteria	Pseudohongiellaceae	Blyi10	NA
1753	ASV546		0 3W_8	Proteobacteria	Pseudohongiellaceae	Blyi10	NA
1754	ASV546		0 3B_8	Proteobacteria	Pseudohongiellaceae	Blyi10	NA
1755	ASV548		0 3W_8	Proteobacteria	Rhodanobacteraceae	Chiayiivirga	NA
1756	ASV548		0 3B_11	Proteobacteria	Rhodanobacteraceae	Chiayiivirga	NA
1757	ASV548		0 3B_8	Proteobacteria	Rhodanobacteraceae	Chiayiivirga	NA
1758	ASV55		0 3W_11	Bacteroidota	Chitinophagaceae	Terrimonas	solii
1759	ASV552		0 3B_11	Proteobacteria	Rhodocyclaceae	Propionivibrio	NA
1760	ASV552		0 3B_8	Proteobacteria	Rhodocyclaceae	Propionivibrio	NA
1761	ASV552		0 3W_8	Proteobacteria	Rhodocyclaceae	Propionivibrio	NA
1762	ASV553		0 3B_8	Proteobacteria	Acetobacteraceae	Roseomonas	tokyonensis

1763	ASV553	0	3W_8	Proteobacteria	Acetobacteraceae	Roseomonas	tokyonensis
1764	ASV553	0	3B_11	Proteobacteria	Acetobacteraceae	Roseomonas	tokyonensis
1765	ASV559	0	3B_8	Proteobacteria	Rhizobiaceae	Aminobacter	NA
1766	ASV559	0	3W_8	Proteobacteria	Rhizobiaceae	Aminobacter	NA
1767	ASV559	0	3B_11	Proteobacteria	Rhizobiaceae	Aminobacter	NA
1768	ASV56	0	3B_8	Proteobacteria	Comamonadaceae	Rhodoferrax	NA
1769	ASV56	0	3B_11	Proteobacteria	Comamonadaceae	Rhodoferrax	NA
1770	ASV568	0	3B_8	Bacteroidota	Chitinophagaceae	Sediminibacterium	NA
1771	ASV568	0	3B_11	Bacteroidota	Chitinophagaceae	Sediminibacterium	NA
1772	ASV569	0	3W_8	Proteobacteria	Comamonadaceae	Polaromonas	eurypsychrophila
1773	ASV569	0	3B_11	Proteobacteria	Comamonadaceae	Polaromonas	eurypsychrophila
1774	ASV569	0	3B_8	Proteobacteria	Comamonadaceae	Polaromonas	eurypsychrophila
1775	ASV57	0	3B_8	Bacteroidota	Cyclobacteriaceae	Algoriphagus	NA
1776	ASV57	0	3B_11	Bacteroidota	Cyclobacteriaceae	Algoriphagus	NA
1777	ASV576	0	3B_8	Proteobacteria	Xanthobacteraceae	Tardiphaga	robiniae
1778	ASV576	0	3W_8	Proteobacteria	Xanthobacteraceae	Tardiphaga	robiniae
1779	ASV576	0	3B_11	Proteobacteria	Xanthobacteraceae	Tardiphaga	robiniae
1780	ASV577	0	3W_8	Proteobacteria	Beijerinckiaceae	Microvirga	NA
1781	ASV577	0	3B_11	Proteobacteria	Beijerinckiaceae	Microvirga	NA
1782	ASV577	0	3B_8	Proteobacteria	Beijerinckiaceae	Microvirga	NA
1783	ASV58	0	3W_8	Proteobacteria	Xanthomonadaceae	Thermomonas	NA
1784	ASV58	0	3B_11	Proteobacteria	Xanthomonadaceae	Thermomonas	NA
1785	ASV58	0	3B_8	Proteobacteria	Xanthomonadaceae	Thermomonas	NA
1786	ASV585	0	3B_8	Planctomycetota	Gemmataceae	Zavarzinella	NA
1787	ASV585	0	3B_11	Planctomycetota	Gemmataceae	Zavarzinella	NA
1788	ASV585	0	3W_8	Planctomycetota	Gemmataceae	Zavarzinella	NA
1789	ASV59	0	3B_11	Actinobacteriota	Microbacteriaceae	Galbitalea	NA
1790	ASV59	0	3W_8	Actinobacteriota	Microbacteriaceae	Galbitalea	NA
1791	ASV59	0	3B_8	Actinobacteriota	Microbacteriaceae	Galbitalea	NA
1792	ASV592	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingourantiacus	NA
1793	ASV592	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingourantiacus	NA
1794	ASV592	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingourantiacus	NA
1795	ASV596	0	3B_8	Proteobacteria	Xanthomonadaceae	Arenimonas	aquatica
1796	ASV596	0	3W_8	Proteobacteria	Xanthomonadaceae	Arenimonas	aquatica
1797	ASV596	0	3B_11	Proteobacteria	Xanthomonadaceae	Arenimonas	aquatica
1798	ASV597	0	3B_8	Bacteroidota	Crocinitomicaceae	Fluviicola	NA
1799	ASV597	0	3W_8	Bacteroidota	Crocinitomicaceae	Fluviicola	NA
1800	ASV597	0	3B_11	Bacteroidota	Crocinitomicaceae	Fluviicola	NA
1801	ASV615	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingourantiacus	polygranulatus
1802	ASV615	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingourantiacus	polygranulatus
1803	ASV615	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingourantiacus	polygranulatus
1804	ASV620	0	3B_8	Actinobacteriota	Micrococcaceae	Glutamicibacter	NA
1805	ASV620	0	3W_8	Actinobacteriota	Micrococcaceae	Glutamicibacter	NA
1806	ASV620	0	3B_11	Actinobacteriota	Micrococcaceae	Glutamicibacter	NA
1807	ASV625	0	3W_8	Proteobacteria	Comamonadaceae	Caenimonas	NA
1808	ASV625	0	3B_8	Proteobacteria	Comamonadaceae	Caenimonas	NA
1809	ASV625	0	3B_11	Proteobacteria	Comamonadaceae	Caenimonas	NA
1810	ASV63	0	3W_11	Proteobacteria	Sphingomonadaceae	Sphingomonas	sanxanigenens
1811	ASV630	0	3W_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	bambusae

1812	ASV630	0	3B_11	Bacteroidota	Sphingobacteriaceae	Pedobacter	bambusae
1813	ASV630	0	3B_8	Bacteroidota	Sphingobacteriaceae	Pedobacter	bambusae
1814	ASV633	0	3B_8	Proteobacteria	Sphingomonadaceae	Rhizorhapis	NA
1815	ASV633	0	3B_11	Proteobacteria	Sphingomonadaceae	Rhizorhapis	NA
1816	ASV633	0	3W_8	Proteobacteria	Sphingomonadaceae	Rhizorhapis	NA
1817	ASV637	0	3B_8	Proteobacteria	Moraxellaceae	Alkanindiges	illinoisensis
1818	ASV637	0	3B_11	Proteobacteria	Moraxellaceae	Alkanindiges	illinoisensis
1819	ASV637	0	3W_8	Proteobacteria	Moraxellaceae	Alkanindiges	illinoisensis
1820	ASV638	0	3B_11	Bacteroidota	Chitinophagaceae	Niastella	NA
1821	ASV638	0	3W_8	Bacteroidota	Chitinophagaceae	Niastella	NA
1822	ASV638	0	3B_8	Bacteroidota	Chitinophagaceae	Niastella	NA
1823	ASV639	0	3B_8	Actinobacteriota	Streptosporangiaceae	Sphaerisporangium	NA
1824	ASV639	0	3W_11	Actinobacteriota	Streptosporangiaceae	Sphaerisporangium	NA
1825	ASV639	0	3B_11	Actinobacteriota	Streptosporangiaceae	Sphaerisporangium	NA
1826	ASV641	0	3B_8	Actinobacteriota	Microbacteriaceae	Marisediminicola	NA
1827	ASV641	0	3W_8	Actinobacteriota	Microbacteriaceae	Marisediminicola	NA
1828	ASV641	0	3B_11	Actinobacteriota	Microbacteriaceae	Marisediminicola	NA
1829	ASV644	0	3B_8	Proteobacteria	Acetobacteraceae	Roseomonas	frigidaquae
1830	ASV644	0	3W_11	Proteobacteria	Acetobacteraceae	Roseomonas	frigidaquae
1831	ASV644	0	3B_11	Proteobacteria	Acetobacteraceae	Roseomonas	frigidaquae
1832	ASV646	0	3B_11	Proteobacteria	Sphingomonadaceae	Sphingosinicella	solii
1833	ASV646	0	3W_8	Proteobacteria	Sphingomonadaceae	Sphingosinicella	solii
1834	ASV646	0	3B_8	Proteobacteria	Sphingomonadaceae	Sphingosinicella	solii
1835	ASV649	0	3W_8	Proteobacteria	Acetobacteraceae	Rubritepida	NA
1836	ASV649	0	3B_8	Proteobacteria	Acetobacteraceae	Rubritepida	NA
1837	ASV649	0	3B_11	Proteobacteria	Acetobacteraceae	Rubritepida	NA
1838	ASV650	0	3B_11	Actinobacteriota	Intrasporangiaceae	Tetrasphaera	NA
1839	ASV650	0	3B_8	Actinobacteriota	Intrasporangiaceae	Tetrasphaera	NA
1840	ASV650	0	3W_8	Actinobacteriota	Intrasporangiaceae	Tetrasphaera	NA
1841	ASV655	0	3B_8	Proteobacteria	Rhodobacteraceae	Rubellimicrobium	NA
1842	ASV655	0	3B_11	Proteobacteria	Rhodobacteraceae	Rubellimicrobium	NA
1843	ASV655	0	3W_8	Proteobacteria	Rhodobacteraceae	Rubellimicrobium	NA
1844	ASV659	0	3B_8	Actinobacteriota	Cellulomonadaceae	Actinotalea	NA
1845	ASV659	0	3W_11	Actinobacteriota	Cellulomonadaceae	Actinotalea	NA
1846	ASV659	0	3B_11	Actinobacteriota	Cellulomonadaceae	Actinotalea	NA
1847	ASV66	0	3B_11	Proteobacteria	Comamonadaceae	Variovorax	NA
1848	ASV66	0	3W_8	Proteobacteria	Comamonadaceae	Variovorax	NA
1849	ASV66	0	3B_8	Proteobacteria	Comamonadaceae	Variovorax	NA
1850	ASV667	0	3B_8	Bacteroidota	Chitinophagaceae	Dinghuibacter	NA
1851	ASV667	0	3B_11	Bacteroidota	Chitinophagaceae	Dinghuibacter	NA
1852	ASV667	0	3W_8	Bacteroidota	Chitinophagaceae	Dinghuibacter	NA
1853	ASV67	0	3B_8	Actinobacteriota	Solirubrobacteraceae	Patulibacter	minatonensis
1854	ASV67	0	3B_11	Actinobacteriota	Solirubrobacteraceae	Patulibacter	minatonensis
1855	ASV67	0	3W_8	Actinobacteriota	Solirubrobacteraceae	Patulibacter	minatonensis
1856	ASV672	0	3W_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	NA
1857	ASV672	0	3B_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	NA
1858	ASV672	0	3B_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	NA
1859	ASV674	0	3B_11	Firmicutes	Paenibacillaceae	Thermobacillus	NA
1860	ASV674	0	3W_11	Firmicutes	Paenibacillaceae	Thermobacillus	NA

1861	ASV674	0	3B_8	Firmicutes	Paenibacillaceae	Thermobacillus	NA
1862	ASV676	0	3B_11	Proteobacteria	Devosiaceae	Devosia	geojensis
1863	ASV676	0	3W_8	Proteobacteria	Devosiaceae	Devosia	geojensis
1864	ASV676	0	3B_8	Proteobacteria	Devosiaceae	Devosia	geojensis
1865	ASV677	0	3B_8	Verrucomicrobiota	Chthoniobacteraceae	Candidatus Udaeobacter	NA
1866	ASV677	0	3B_11	Verrucomicrobiota	Chthoniobacteraceae	Candidatus Udaeobacter	NA
1867	ASV677	0	3W_8	Verrucomicrobiota	Chthoniobacteraceae	Candidatus Udaeobacter	NA
1868	ASV680	0	3B_11	Actinobacteriota	Bifidobacteriaceae	Bifidobacterium	NA
1869	ASV680	0	3B_8	Actinobacteriota	Bifidobacteriaceae	Bifidobacterium	NA
1870	ASV696	0	3B_11	Verrucomicrobiota	Opitutaceae	Diplosphaera	NA
1871	ASV696	0	3W_8	Verrucomicrobiota	Opitutaceae	Diplosphaera	NA
1872	ASV696	0	3B_8	Verrucomicrobiota	Opitutaceae	Diplosphaera	NA
1873	ASV698	0	3W_8	Myxococcota	Myxococcaceae	Coralloccoccus	NA
1874	ASV698	0	3B_8	Myxococcota	Myxococcaceae	Coralloccoccus	NA
1875	ASV698	0	3B_11	Myxococcota	Myxococcaceae	Coralloccoccus	NA
1876	ASV70	0	3B_8	Proteobacteria	Oxalobacteraceae	Massilia	NA
1877	ASV701	0	3W_11	Actinobacteriota	Thermomonosporaceae	Actinoallomurus	bryophytorum
1878	ASV701	0	3B_8	Actinobacteriota	Thermomonosporaceae	Actinoallomurus	bryophytorum
1879	ASV701	0	3B_11	Actinobacteriota	Thermomonosporaceae	Actinoallomurus	bryophytorum
1880	ASV702	0	3W_8	Verrucomicrobiota	Verrucomicrobiaceae	Prostheobacter	NA
1881	ASV702	0	3B_11	Verrucomicrobiota	Verrucomicrobiaceae	Prostheobacter	NA
1882	ASV702	0	3B_8	Verrucomicrobiota	Verrucomicrobiaceae	Prostheobacter	NA
1883	ASV709	0	3W_8	Actinobacteriota	Iamiaceae	Iamia	NA
1884	ASV709	0	3B_11	Actinobacteriota	Iamiaceae	Iamia	NA
1885	ASV709	0	3B_8	Actinobacteriota	Iamiaceae	Iamia	NA
1886	ASV71	0	3W_8	Proteobacteria	Ferrovibrionaceae	Ferrovibrio	NA
1887	ASV71	0	3W_11	Proteobacteria	Ferrovibrionaceae	Ferrovibrio	NA
1888	ASV710	0	3W_8	Proteobacteria	Xanthobacteraceae	Tardiphaga	NA
1889	ASV710	0	3B_11	Proteobacteria	Xanthobacteraceae	Tardiphaga	NA
1890	ASV710	0	3B_8	Proteobacteria	Xanthobacteraceae	Tardiphaga	NA
1891	ASV711	0	3W_8	Acidobacteriota	Blastocatellaceae	Blastocatella	NA
1892	ASV711	0	3B_11	Acidobacteriota	Blastocatellaceae	Blastocatella	NA
1893	ASV711	0	3B_8	Acidobacteriota	Blastocatellaceae	Blastocatella	NA
1894	ASV712	0	3W_8	Bacteroidota	Hymenobacteraceae	Adhaeribacter	NA
1895	ASV712	0	3B_8	Bacteroidota	Hymenobacteraceae	Adhaeribacter	NA
1896	ASV712	0	3B_11	Bacteroidota	Hymenobacteraceae	Adhaeribacter	NA
1897	ASV713	0	3W_8	Firmicutes	Family XI	Finegoldia	magna
1898	ASV713	0	3B_8	Firmicutes	Family XI	Finegoldia	magna
1899	ASV715	0	3B_8	Bacteroidota	Prevotellaceae	Prevotella	intermedia
1900	ASV715	0	3W_8	Bacteroidota	Prevotellaceae	Prevotella	intermedia
1901	ASV715	0	3B_11	Bacteroidota	Prevotellaceae	Prevotella	intermedia
1902	ASV716	0	3B_11	Planctomycetota	Pirellulaceae	Rhodopirellula	NA
1903	ASV716	0	3B_8	Planctomycetota	Pirellulaceae	Rhodopirellula	NA
1904	ASV718	0	3W_8	Verrucomicrobiota	Opitutaceae	Cephalotococcus	NA
1905	ASV718	0	3B_11	Verrucomicrobiota	Opitutaceae	Cephalotococcus	NA
1906	ASV718	0	3B_8	Verrucomicrobiota	Opitutaceae	Cephalotococcus	NA
1907	ASV724	0	3B_11	Bacteroidota	Chitinophagaceae	Terrimonas	crocea
1908	ASV724	0	3W_8	Bacteroidota	Chitinophagaceae	Terrimonas	crocea
1909	ASV724	0	3B_8	Bacteroidota	Chitinophagaceae	Terrimonas	crocea

1910	ASV729		0 3B_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	genitalium
1911	ASV729		0 3B_11	Actinobacteriota	Corynebacteriaceae	Corynebacterium	genitalium
1912	ASV730		0 3B_8	Actinobacteriota	Streptosporangiaceae	Sphaerimonospora	NA
1913	ASV730		0 3B_11	Actinobacteriota	Streptosporangiaceae	Sphaerimonospora	NA
1914	ASV730		0 3W_11	Actinobacteriota	Streptosporangiaceae	Sphaerimonospora	NA
1915	ASV732		0 3B_11	Bacteroidota	Chitinophagaceae	Flavitalea	NA
1916	ASV732		0 3B_8	Bacteroidota	Chitinophagaceae	Flavitalea	NA
1917	ASV732		0 3W_8	Bacteroidota	Chitinophagaceae	Flavitalea	NA
1918	ASV738		0 3B_8	Actinobacteriota	Nakamurellaceae	Nakamurella	flavida
1919	ASV738		0 3W_8	Actinobacteriota	Nakamurellaceae	Nakamurella	flavida
1920	ASV738		0 3B_11	Actinobacteriota	Nakamurellaceae	Nakamurella	flavida
1921	ASV742		0 3B_8	Bacteroidota	Cytophagaceae	Cytophaga	NA
1922	ASV742		0 3B_11	Bacteroidota	Cytophagaceae	Cytophaga	NA
1923	ASV742		0 3W_8	Bacteroidota	Cytophagaceae	Cytophaga	NA
1924	ASV751		0 3B_8	Proteobacteria	Rhodobacteraceae	Amaricoccus	NA
1925	ASV751		0 3B_11	Proteobacteria	Rhodobacteraceae	Amaricoccus	NA
1926	ASV751		0 3W_8	Proteobacteria	Rhodobacteraceae	Amaricoccus	NA
1927	ASV758		0 3B_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	saccharophilum
1928	ASV758		0 3B_11	Bacteroidota	Flavobacteriaceae	Flavobacterium	saccharophilum
1929	ASV758		0 3W_8	Bacteroidota	Flavobacteriaceae	Flavobacterium	saccharophilum
1930	ASV759		0 3B_8	Proteobacteria	Devosiaceae	Devosia	psychrophila
1931	ASV759		0 3B_11	Proteobacteria	Devosiaceae	Devosia	psychrophila
1932	ASV759		0 3W_8	Proteobacteria	Devosiaceae	Devosia	psychrophila
1933	ASV760		0 3B_8	Firmicutes	Bacillaceae	Anoxybacillus	NA
1934	ASV760		0 3B_11	Firmicutes	Bacillaceae	Anoxybacillus	NA
1935	ASV765		0 3B_8	Planctomycetota	Rubinisphaeraceae	SH-PL14	NA
1936	ASV765		0 3W_8	Planctomycetota	Rubinisphaeraceae	SH-PL14	NA
1937	ASV765		0 3B_11	Planctomycetota	Rubinisphaeraceae	SH-PL14	NA
1938	ASV77		0 3B_8	Proteobacteria	Solimonadaceae	Nevskia	NA
1939	ASV77		0 3B_11	Proteobacteria	Solimonadaceae	Nevskia	NA
1940	ASV770		0 3W_8	Proteobacteria	Sphingomonadaceae	Erythrobacter	NA
1941	ASV770		0 3B_11	Proteobacteria	Sphingomonadaceae	Erythrobacter	NA
1942	ASV770		0 3B_8	Proteobacteria	Sphingomonadaceae	Erythrobacter	NA
1943	ASV772		0 3B_8	Proteobacteria	Solimonadaceae	Panacagrimonas	NA
1944	ASV772		0 3B_11	Proteobacteria	Solimonadaceae	Panacagrimonas	NA
1945	ASV772		0 3W_8	Proteobacteria	Solimonadaceae	Panacagrimonas	NA
1946	ASV773		0 3B_11	Proteobacteria	Comamonadaceae	Mitsuaria	NA
1947	ASV773		0 3B_8	Proteobacteria	Comamonadaceae	Mitsuaria	NA
1948	ASV773		0 3W_8	Proteobacteria	Comamonadaceae	Mitsuaria	NA
1949	ASV778		0 3B_11	Bacteroidota	Sphingobacteriaceae	Mucilaginibacter	NA
1950	ASV778		0 3B_8	Bacteroidota	Sphingobacteriaceae	Mucilaginibacter	NA
1951	ASV778		0 3W_8	Bacteroidota	Sphingobacteriaceae	Mucilaginibacter	NA
1952	ASV78		0 3W_8	Proteobacteria	Xanthomonadaceae	Arenimonas	NA
1953	ASV78		0 3B_11	Proteobacteria	Xanthomonadaceae	Arenimonas	NA
1954	ASV78		0 3B_8	Proteobacteria	Xanthomonadaceae	Arenimonas	NA
1955	ASV785		0 3B_8	Proteobacteria	Xanthobacteraceae	Variibacter	NA
1956	ASV785		0 3W_8	Proteobacteria	Xanthobacteraceae	Variibacter	NA
1957	ASV785		0 3B_11	Proteobacteria	Xanthobacteraceae	Variibacter	NA
1958	ASV786		0 3B_8	Actinobacteriota	Solirubrobacteraceae	Parviterribacter	NA

1959	ASV786	0	3W_8	Actinobacteriota	Solirubrobacteraceae	Parviterribacter	NA
1960	ASV786	0	3B_11	Actinobacteriota	Solirubrobacteraceae	Parviterribacter	NA
1961	ASV787	0	3W_8	Proteobacteria	Sphingomonadaceae	Qipengyuania	NA
1962	ASV787	0	3B_11	Proteobacteria	Sphingomonadaceae	Qipengyuania	NA
1963	ASV787	0	3B_8	Proteobacteria	Sphingomonadaceae	Qipengyuania	NA
1964	ASV79	0	3B_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	NA
1965	ASV792	0	3B_11	Proteobacteria	Oxalobacteraceae	Massilia	timonae
1966	ASV792	0	3W_8	Proteobacteria	Oxalobacteraceae	Massilia	timonae
1967	ASV792	0	3B_8	Proteobacteria	Oxalobacteraceae	Massilia	timonae
1968	ASV803	0	3B_8	Bdellovibrionota	Bdellovibrionaceae	OM27 clade	NA
1969	ASV803	0	3B_11	Bdellovibrionota	Bdellovibrionaceae	OM27 clade	NA
1970	ASV803	0	3W_8	Bdellovibrionota	Bdellovibrionaceae	OM27 clade	NA
1971	ASV81	0	3B_11	Proteobacteria	Xanthomonadaceae	Stenotrophomonas	NA
1972	ASV81	0	3B_8	Proteobacteria	Xanthomonadaceae	Stenotrophomonas	NA
1973	ASV81	0	3W_8	Proteobacteria	Xanthomonadaceae	Stenotrophomonas	NA
1974	ASV814	0	3B_8	Proteobacteria	Solimonadaceae	Fontimonas	NA
1975	ASV814	0	3B_11	Proteobacteria	Solimonadaceae	Fontimonas	NA
1976	ASV814	0	3W_8	Proteobacteria	Solimonadaceae	Fontimonas	NA
1977	ASV816	0	3B_8	Proteobacteria	Kaistiaceae	Kaistia	NA
1978	ASV816	0	3B_11	Proteobacteria	Kaistiaceae	Kaistia	NA
1979	ASV816	0	3W_8	Proteobacteria	Kaistiaceae	Kaistia	NA
1980	ASV818	0	3B_8	Proteobacteria	Comamonadaceae	Azohydromonas	lata
1981	ASV818	0	3B_11	Proteobacteria	Comamonadaceae	Azohydromonas	lata
1982	ASV818	0	3W_8	Proteobacteria	Comamonadaceae	Azohydromonas	lata
1983	ASV83	0	3B_8	Proteobacteria	Moraxellaceae	Acinetobacter	NA
1984	ASV834	0	3B_8	Proteobacteria	Xanthobacteraceae	Pseudolabrys	NA
1985	ASV834	0	3W_8	Proteobacteria	Xanthobacteraceae	Pseudolabrys	NA
1986	ASV834	0	3B_11	Proteobacteria	Xanthobacteraceae	Pseudolabrys	NA
1987	ASV838	0	3W_8	Proteobacteria	Azospirillaceae	Skermanella	aerolata
1988	ASV838	0	3B_11	Proteobacteria	Azospirillaceae	Skermanella	aerolata
1989	ASV838	0	3B_8	Proteobacteria	Azospirillaceae	Skermanella	aerolata
1990	ASV84	0	3B_8	Proteobacteria	Comamonadaceae	Hydrogenophaga	NA
1991	ASV84	0	3W_8	Proteobacteria	Comamonadaceae	Hydrogenophaga	NA
1992	ASV840	0	3B_11	Actinobacteriota	Solirubrobacteraceae	JCM 18997	NA
1993	ASV840	0	3W_8	Actinobacteriota	Solirubrobacteraceae	JCM 18997	NA
1994	ASV840	0	3B_8	Actinobacteriota	Solirubrobacteraceae	JCM 18997	NA
1995	ASV846	0	3B_11	Bacteroidota	Saprospiraceae	Aureispira	NA
1996	ASV846	0	3B_8	Bacteroidota	Saprospiraceae	Aureispira	NA
1997	ASV846	0	3W_8	Bacteroidota	Saprospiraceae	Aureispira	NA
1998	ASV847	0	3B_11	Verrucomicrobiota	Opitutaceae	Lacunisphaera	limnophila
1999	ASV847	0	3B_8	Verrucomicrobiota	Opitutaceae	Lacunisphaera	limnophila
2000	ASV847	0	3W_8	Verrucomicrobiota	Opitutaceae	Lacunisphaera	limnophila
2001	ASV850	0	3B_8	Myxococcota	Anaeromyxobacteraceae	Anaeromyxobacter	NA
2002	ASV850	0	3B_11	Myxococcota	Anaeromyxobacteraceae	Anaeromyxobacter	NA
2003	ASV850	0	3W_8	Myxococcota	Anaeromyxobacteraceae	Anaeromyxobacter	NA
2004	ASV852	0	3B_8	Spirochaetota	Spirochaetaceae	Spirochaeta	NA
2005	ASV852	0	3W_11	Spirochaetota	Spirochaetaceae	Spirochaeta	NA
2006	ASV852	0	3B_11	Spirochaetota	Spirochaetaceae	Spirochaeta	NA
2007	ASV853	0	3B_11	Firmicutes	Paenibacillaceae	Paenibacillus	NA

2008	ASV853		0 3B_8	Firmicutes	Paenibacillaceae	Paenibacillus	NA
2009	ASV854		0 3B_8	Firmicutes	Lactobacillaceae	Ligilactobacillus	NA
2010	ASV854		0 3W_11	Firmicutes	Lactobacillaceae	Ligilactobacillus	NA
2011	ASV854		0 3B_11	Firmicutes	Lactobacillaceae	Ligilactobacillus	NA
2012	ASV857		0 3B_11	Bacteroidota	Microscillaceae	Flexibacter	NA
2013	ASV857		0 3W_8	Bacteroidota	Microscillaceae	Flexibacter	NA
2014	ASV857		0 3B_8	Bacteroidota	Microscillaceae	Flexibacter	NA
2015	ASV86		0 3B_11	Myxococcota	Myxococcaceae	P3OB-42	NA
2016	ASV861		0 3B_11	Actinobacteriota	Solirubrobacteraceae	Solirubrobacter	NA
2017	ASV861		0 3W_8	Actinobacteriota	Solirubrobacteraceae	Solirubrobacter	NA
2018	ASV861		0 3B_8	Actinobacteriota	Solirubrobacteraceae	Solirubrobacter	NA
2019	ASV864		0 3B_11	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	daqingensis
2020	ASV864		0 3W_8	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	daqingensis
2021	ASV864		0 3B_8	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	daqingensis
2022	ASV868		0 3B_11	Bacteroidota	Cytophagaceae	Siphonobacter	NA
2023	ASV868		0 3W_8	Bacteroidota	Cytophagaceae	Siphonobacter	NA
2024	ASV868		0 3B_8	Bacteroidota	Cytophagaceae	Siphonobacter	NA
2025	ASV870		0 3W_8	Chloroflexi	Chloroflexaceae	FFCH7168	NA
2026	ASV870		0 3B_8	Chloroflexi	Chloroflexaceae	FFCH7168	NA
2027	ASV870		0 3B_11	Chloroflexi	Chloroflexaceae	FFCH7168	NA
2028	ASV875		0 3W_8	Firmicutes	Planococcaceae	Planococcus	NA
2029	ASV875		0 3B_11	Firmicutes	Planococcaceae	Planococcus	NA
2030	ASV875		0 3B_8	Firmicutes	Planococcaceae	Planococcus	NA
2031	ASV879		0 3W_8	Bacteroidota	Porphyromonadaceae	Porphyromonas	gingivalis
2032	ASV879		0 3B_8	Bacteroidota	Porphyromonadaceae	Porphyromonas	gingivalis
2033	ASV879		0 3B_11	Bacteroidota	Porphyromonadaceae	Porphyromonas	gingivalis
2034	ASV88		0 3W_8	Actinobacteriota	Intrasporangiaceae	Knoellia	NA
2035	ASV88		0 3B_8	Actinobacteriota	Intrasporangiaceae	Knoellia	NA
2036	ASV88		0 3B_11	Actinobacteriota	Intrasporangiaceae	Knoellia	NA
2037	ASV882		0 3B_11	Proteobacteria	Oxalobacteraceae	Duganella	zoogloeoides
2038	ASV882		0 3W_8	Proteobacteria	Oxalobacteraceae	Duganella	zoogloeoides
2039	ASV882		0 3B_8	Proteobacteria	Oxalobacteraceae	Duganella	zoogloeoides
2040	ASV889		0 3B_8	Proteobacteria	Beijerinckiaceae	Methylobacterium-Methylor	NA
2041	ASV889		0 3B_11	Proteobacteria	Beijerinckiaceae	Methylobacterium-Methylor	NA
2042	ASV899		0 3W_11	Proteobacteria	Comamonadaceae	Malikia	NA
2043	ASV899		0 3B_11	Proteobacteria	Comamonadaceae	Malikia	NA
2044	ASV899		0 3B_8	Proteobacteria	Comamonadaceae	Malikia	NA
2045	ASV9		0 3B_11	Proteobacteria	Moraxellaceae	Perlucidibaca	NA
2046	ASV9		0 3B_8	Proteobacteria	Moraxellaceae	Perlucidibaca	NA
2047	ASV901		0 3B_8	Proteobacteria	Sphingomonadaceae	DSSF69	NA
2048	ASV901		0 3W_11	Proteobacteria	Sphingomonadaceae	DSSF69	NA
2049	ASV904		0 3B_8	Bacteroidota	Spirosomaceae	Larkinella	terrae
2050	ASV904		0 3B_11	Bacteroidota	Spirosomaceae	Larkinella	terrae
2051	ASV904		0 3W_8	Bacteroidota	Spirosomaceae	Larkinella	terrae
2052	ASV911		0 3W_8	Proteobacteria	Parvularculaceae	Amphiplicatus	NA
2053	ASV911		0 3W_11	Proteobacteria	Parvularculaceae	Amphiplicatus	NA
2054	ASV911		0 3B_8	Proteobacteria	Parvularculaceae	Amphiplicatus	NA
2055	ASV912		0 3B_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	kroppenstedtii
2056	ASV912		0 3W_8	Actinobacteriota	Corynebacteriaceae	Corynebacterium	kroppenstedtii

2057	ASV913		0 3B_8	Firmicutes	Veillonellaceae	Veillonella	NA
2058	ASV928		0 3B_8	Actinobacteriota	Micrococcaceae	Neomicrococcus	aestuarii
2059	ASV928		0 3B_11	Actinobacteriota	Micrococcaceae	Neomicrococcus	aestuarii
2060	ASV928		0 3W_8	Actinobacteriota	Micrococcaceae	Neomicrococcus	aestuarii
2061	ASV93		0 3B_8	Proteobacteria	Xanthobacteraceae	Rhodoplanes	NA
2062	ASV93		0 3B_11	Proteobacteria	Xanthobacteraceae	Rhodoplanes	NA
2063	ASV932		0 3W_8	Acidobacteriota	Vicinamibacteraceae	Luteitalea	NA
2064	ASV932		0 3B_8	Acidobacteriota	Vicinamibacteraceae	Luteitalea	NA
2065	ASV932		0 3B_11	Acidobacteriota	Vicinamibacteraceae	Luteitalea	NA
2066	ASV935		0 3B_11	Firmicutes	Carnobacteriaceae	Granulicatella	NA
2067	ASV935		0 3B_8	Firmicutes	Carnobacteriaceae	Granulicatella	NA
2068	ASV936		0 3B_8	Verrucomicrobiota	Parachlamydiaceae	Neochlamydia	NA
2069	ASV938		0 3W_8	Proteobacteria	Sphingomonadaceae	Novosphingobium	ginsenosidimutans
2070	ASV938		0 3B_8	Proteobacteria	Sphingomonadaceae	Novosphingobium	ginsenosidimutans
2071	ASV938		0 3B_11	Proteobacteria	Sphingomonadaceae	Novosphingobium	ginsenosidimutans
2072	ASV939		0 3B_8	Proteobacteria	Rhodocyclaceae	Uliginosibacterium	sediminicola
2073	ASV939		0 3B_11	Proteobacteria	Rhodocyclaceae	Uliginosibacterium	sediminicola
2074	ASV939		0 3W_8	Proteobacteria	Rhodocyclaceae	Uliginosibacterium	sediminicola
2075	ASV94		0 3B_8	Proteobacteria	Moraxellaceae	Enhydrobacter	aerosaccus
2076	ASV94		0 3W_8	Proteobacteria	Moraxellaceae	Enhydrobacter	aerosaccus
2077	ASV943		0 3B_11	Actinobacteriota	Micrococcaceae	Yaniella	NA
2078	ASV943		0 3B_8	Actinobacteriota	Micrococcaceae	Yaniella	NA
2079	ASV943		0 3W_8	Actinobacteriota	Micrococcaceae	Yaniella	NA
2080	ASV947		0 3W_8	Proteobacteria	Rhodanobacteraceae	Tahibacter	NA
2081	ASV947		0 3B_8	Proteobacteria	Rhodanobacteraceae	Tahibacter	NA
2082	ASV947		0 3B_11	Proteobacteria	Rhodanobacteraceae	Tahibacter	NA
2083	ASV951		0 3B_8	Proteobacteria	Burkholderiaceae	Lautropia	NA
2084	ASV951		0 3W_8	Proteobacteria	Burkholderiaceae	Lautropia	NA
2085	ASV951		0 3B_11	Proteobacteria	Burkholderiaceae	Lautropia	NA
2086	ASV956		0 3W_8	Proteobacteria	Oxalobacteraceae	Oxalicibacterium	NA
2087	ASV956		0 3B_8	Proteobacteria	Oxalobacteraceae	Oxalicibacterium	NA
2088	ASV956		0 3B_11	Proteobacteria	Oxalobacteraceae	Oxalicibacterium	NA
2089	ASV958		0 3W_8	Proteobacteria	Sphingomonadaceae	Polymorphobacter	NA
2090	ASV958		0 3B_8	Proteobacteria	Sphingomonadaceae	Polymorphobacter	NA
2091	ASV958		0 3B_11	Proteobacteria	Sphingomonadaceae	Polymorphobacter	NA
2092	ASV961		0 3B_8	Actinobacteriota	Micrococcaceae	Kocuria	NA
2093	ASV97		0 3B_8	Proteobacteria	Hyphomonadaceae	SWB02	NA
2094	ASV97		0 3W_8	Proteobacteria	Hyphomonadaceae	SWB02	NA
2095	ASV97		0 3B_11	Proteobacteria	Hyphomonadaceae	SWB02	NA
2096	ASV970		0 3W_8	Proteobacteria	Alcaligenaceae	Parvibium	NA
2097	ASV970		0 3B_8	Proteobacteria	Alcaligenaceae	Parvibium	NA
2098	ASV970		0 3B_11	Proteobacteria	Alcaligenaceae	Parvibium	NA
2099	ASV972		0 3B_11	Actinobacteriota	Micromonosporaceae	Actinoplanes	digitatis
2100	ASV972		0 3B_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	digitatis
2101	ASV972		0 3W_8	Actinobacteriota	Micromonosporaceae	Actinoplanes	digitatis
2102	ASV973		0 3B_8	Bacteroidota	Microscillaceae	Ohtaekwangia	NA
2103	ASV973		0 3W_8	Bacteroidota	Microscillaceae	Ohtaekwangia	NA
2104	ASV973		0 3B_11	Bacteroidota	Microscillaceae	Ohtaekwangia	NA
2105	ASV978		0 3W_8	Planctomycetota	Phycisphaeraceae	SM1A02	NA

2106	ASV978	0	3B_8	Planctomycetota	Phycisphaeraceae	SM1A02	NA
2107	ASV979	0	3W_8	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	NA
2108	ASV979	0	3B_11	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	NA
2109	ASV979	0	3B_8	Proteobacteria	Solimonadaceae	Hydrocarboniphaga	NA
2110	ASV980	0	3W_8	Proteobacteria	Erwiniaceae	Pantoea	NA
2111	ASV980	0	3B_11	Proteobacteria	Erwiniaceae	Pantoea	NA
2112	ASV980	0	3B_8	Proteobacteria	Erwiniaceae	Pantoea	NA
2113	ASV985	0	3B_11	Proteobacteria	Acidithiobacillaceae	KCM-B-112	NA
2114	ASV985	0	3B_8	Proteobacteria	Acidithiobacillaceae	KCM-B-112	NA
2115	ASV985	0	3W_8	Proteobacteria	Acidithiobacillaceae	KCM-B-112	NA
2116	ASV999	0	3B_8	Proteobacteria	Pseudomonadaceae	Pseudomonas	NA
2117	ASV999	0	3W_8	Proteobacteria	Pseudomonadaceae	Pseudomonas	NA
2118	ASV992	0	3B_11	Actinobacteriota	Kineosporiaceae	Quadrisphaera	NA
2119	ASV992	0	3W_8	Actinobacteriota	Kineosporiaceae	Quadrisphaera	NA
2120	ASV992	0	3B_8	Actinobacteriota	Kineosporiaceae	Quadrisphaera	NA
2121	ASV993	0	3B_8	Bacteroidota	Dysgonomonadaceae	Proteiniphilum	acetatigenes
2122	ASV993	0	3B_11	Bacteroidota	Dysgonomonadaceae	Proteiniphilum	acetatigenes
2123	ASV994	0	3B_8	Firmicutes	Ruminococcaceae	Ruminococcus	NA
2124	ASV994	0	3W_11	Firmicutes	Ruminococcaceae	Ruminococcus	NA
2125	ASV994	0	3B_11	Firmicutes	Ruminococcaceae	Ruminococcus	NA
2126	ASV999	0	3W_8	Actinobacteriota	Microbacteriaceae	Cryobacterium	NA
2127	ASV999	0	3B_8	Actinobacteriota	Microbacteriaceae	Cryobacterium	NA
2128	ASV999	0	3B_11	Actinobacteriota	Microbacteriaceae	Cryobacterium	NA

ASVs are ranked in decreasing order of abundance. 0: abundance values less than 10e-6.