

Supplemental Table 1

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
0	null	Root	no rank	100.00	100.00	100.00	100.00
-1	Root;rootrank;unclassified_Root;;	unclassified_Root	unclassified_Root	0.05	0.03	0.08	0.08
1	Root;rootrank;Bacteria;domain;	Bacteria	domain	99.95	99.97	99.91	99.91
1966	Root;rootrank;Archaea;domain;	Archaea	domain	0.00	0.00	0.00	0.01
-1967	Root;rootrank;Archaea;domain;unclassified_Archaea;;	unclassified_Archaea	unclassified_Archaea	0.00	0.00	0.00	0.00
-2	Root;rootrank;Bacteria;domain;unclassified_Bacteria;;	unclassified_Bacteria	unclassified_Bacteria	3.15	2.33	5.19	5.34
422	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;	Bacteroidetes	phylum	40.45	51.86	51.02	45.56
2259	Root;rootrank;Bacteria;domain;Firmicutes;phylum;	Firmicutes	phylum	40.88	42.95	40.60	48.04
841	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;	Proteobacteria	phylum	15.18	2.77	2.83	0.86
789	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;	Fusobacteria	phylum	0.08	0.00	0.04	0.00
2	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;	Actinobacteria	phylum	0.19	0.04	0.16	0.10
1921	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;	Tenericutes	phylum	0.01	0.02	0.05	0.01
1883	Root;rootrank;Bacteria;domain;"Spirochaetes";phylum;	Spirochaetes	phylum	0.00	0.00	0.00	0.00
1906	Root;rootrank;Bacteria;domain;"Synergistetes";phylum;	Synergistetes	phylum	0.01	0.00	0.00	0.00
746	Root;rootrank;Bacteria;domain;"Deferribacteres";phylum;	Deferribacteres	phylum	0.00	0.00	0.00	0.00
2164	Root;rootrank;Bacteria;domain;"Verrucomicrobia";phylum;	Verrucomicrobia	phylum	0.00	0.00	0.00	0.00
784	Root;rootrank;Bacteria;domain;"Fibrobacteres";phylum;	Fibrobacteres	phylum	0.00	0.00	0.00	0.00
2684	Root;rootrank;Bacteria;domain;Cyanobacteria/Chloroplast;phylum;	Cyanobacteria/Chloroplast	phylum	0.00	0.00	0.00	0.00
2195	Root;rootrank;Bacteria;domain;"Acidobacteria";phylum;	Acidobacteria	phylum	0.00	0.00	0.00	0.00
667	Root;rootrank;Bacteria;domain;"Chlamydiae";phylum;	Chlamydiae	phylum	0.00	0.00	0.00	0.00
779	Root;rootrank;Bacteria;domain;"Elusimicrobia";phylum;	Elusimicrobia	phylum	0.00	0.00	0.00	0.00
824	Root;rootrank;Bacteria;domain;"Planctomyces";phylum;	Planctomyces	phylum	0.00	0.00	0.00	0.00
2146	Root;rootrank;Bacteria;domain;TM7;phylum;	TM7	phylum	0.00	0.00	0.00	0.01
809	Root;rootrank;Bacteria;domain;"Lentisphaerae";phylum;	Lentisphaerae	phylum	0.00	0.00	0.00	0.00
1967	Root;rootrank;Archaea;domain;"Crenarchaeota";phylum;	Crenarchaeota	phylum	0.00	0.00	0.00	0.01
2010	Root;rootrank;Archaea;domain;"Euryarchaeota";phylum;	Euryarchaeota	phylum	0.00	0.00	0.00	0.00
-423	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;unclassified_"Bacteroidetes";;	unclassified_"Bacteroidetes"	phylum-unclassified	3.05	2.96	3.29	2.91

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-2260	Root;rootrank;Bacteria;domain;Firmicutes;phylum;unclassified_Firmicutes;;	unclassified_Firmicutes	phylum-unclassified	1.34	1.39	1.83	2.92
-842	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;unclassified_"Proteobacteria";;	unclassified_"Proteobacteria"	phylum-unclassified	0.27	0.04	0.12	0.07
-2196	Root;rootrank;Bacteria;domain;"Acidobacteria";phylum;unclassified_"Acidobacteria";;	unclassified_"Acidobacteria"	phylum-unclassified	0.00	0.00	0.00	0.00
-2165	Root;rootrank;Bacteria;domain;"Verrucomicrobia";phylum;unclassified_"Verrucomicrobia";;	unclassified_"Verrucomicrobia"	phylum-unclassified	0.00	0.00	0.00	0.00
-2685	Root;rootrank;Bacteria;domain;Cyanobacteria/Chloroplast;phylum;unclassified_Cyanobacteria/Chloroplast;	unclassified_Cyanobacteria/Chloroplast	phylum-unclassified	0.00	0.00	0.00	0.00
423	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;	Bacteroidia	class	37.34	48.86	47.66	42.54
565	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;	Sphingobacteria	class	0.05	0.05	0.07	0.09
458	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;Flavobacteria;class;	Flavobacteria	class	0.00	0.00	0.01	0.01
657	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidetes"_incertae_sedis;class;	Bacteroidetes_incertae_sedis	class	0.00	0.00	0.00	0.00
2722	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;	Negativicutes	class	15.03	10.45	1.56	1.41
2558	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;	Erysipelotrichia	class	3.15	3.54	0.81	1.47
2375	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;	Clostridia	class	20.28	24.55	25.70	28.30
2260	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;	Bacilli	class	1.07	3.03	10.72	13.95
1501	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;	Gammaproteobacteria	class	12.27	0.07	1.42	0.09
842	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;	Alphaproteobacteria	class	0.81	0.84	1.04	0.64
1175	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;	Betaproteobacteria	class	1.77	1.82	0.19	0.04
1477	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;	Epsilonproteobacteria	class	0.05	0.01	0.06	0.01
1352	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;	Deltaproteobacteria	class	0.00	0.00	0.00	0.01
790	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;"Fusobacteria";class;	Fusobacteria	class	0.08	0.00	0.04	0.00
3	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;	Actinobacteria	class	0.19	0.04	0.16	0.10
1922	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;	Mollicutes	class	0.01	0.02	0.05	0.01
1884	Root;rootrank;Bacteria;domain;"Spirochaetes";phylum;Spirochaetes;class;	Spirochaetes	class	0.00	0.00	0.00	0.00
1907	Root;rootrank;Bacteria;domain;"Synergistetes";phylum;Synergistia;class;	Synergistia	class	0.01	0.00	0.00	0.00
747	Root;rootrank;Bacteria;domain;"Deferribacteres";phylum;Deferribacteres;class;	Deferribacteres	class	0.00	0.00	0.00	0.00
2181	Root;rootrank;Bacteria;domain;"Verrucomicrobia";phylum;Subdivision5;class;	Subdivision5	class	0.00	0.00	0.00	0.00
785	Root;rootrank;Bacteria;domain;"Fibrobacteres";phylum;"Fibrobacteria";class;	Fibrobacteria	class	0.00	0.00	0.00	0.00
2685	Root;rootrank;Bacteria;domain;Cyanobacteria/Chloroplast;phylum;Cyanobacteria;class;	Cyanobacteria	class	0.00	0.00	0.00	0.00
2713	Root;rootrank;Bacteria;domain;Cyanobacteria/Chloroplast;phylum;Chloroplast;class;	Chloroplast	class	0.00	0.00	0.00	0.00

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2240	Root;rootrank;Bacteria;domain;"Acidobacteria";phylum;Acidobacteria_Gp21;class;	Acidobacteria_Gp21	class	0.00	0.00	0.00	0.00
2212	Root;rootrank;Bacteria;domain;"Acidobacteria";phylum;Acidobacteria_Gp5;class;	Acidobacteria_Gp5	class	0.00	0.00	0.00	0.00
668	Root;rootrank;Bacteria;domain;"Chlamydiae";phylum;Chlamydiae;class;	Chlamydiae	class	0.00	0.00	0.00	0.00
780	Root;rootrank;Bacteria;domain;"Elusimicrobia";phylum;Elusimicrobia;class;	Elusimicrobia	class	0.00	0.00	0.00	0.00
825	Root;rootrank;Bacteria;domain;"Planctomycetes";phylum;"Planctomycetacia";class;	Planctomycetacia	class	0.00	0.00	0.00	0.00
810	Root;rootrank;Bacteria;domain;"Lentisphaerae";phylum;"Lentisphaeria";class;	Lentisphaeria	class	0.00	0.00	0.00	0.00
1968	Root;rootrank;Archaea;domain;"Crenarchaeota";phylum;Thermoprotei;class;	Thermoprotei	class	0.00	0.00	0.00	0.01
2055	Root;rootrank;Archaea;domain;"Euryarchaeota";phylum;Methanobacteria;class;	Methanobacteria	class	0.00	0.00	0.00	0.00
-2261	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;unclassified_Bacilli;	unclassified_Bacilli	class-unclassified	0.03	0.13	0.22	0.30
-2376	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;unclassified_Clostridia;	unclassified_Clostridia	class-unclassified	0.03	0.03	0.07	0.15
-1176	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;unclassified_Beta	unclassified_Betaproteobacteria	class-unclassified	0.05	0.04	0.18	0.04
-1502	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;unclassified_G	unclassified_Gammaproteobacteria	class-unclassified	0.35	0.01	0.08	0.02
-1478	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;unclassified_E	unclassified_Epsilonproteobacteria	class-unclassified	0.00	0.00	0.00	0.00
-1353	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;unclassified_Del	unclassified_Deltaproteobacteria	class-unclassified	0.00	0.00	0.00	0.00
-843	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;unclassified_Alph	unclassified_Alphaproteobacteria	class-unclassified	0.00	0.00	0.00	0.00
-17	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	unclassified_Actinobacteridae	class-unclassified	0.00	0.00	0.00	0.00
-4	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;unclassified_Actinobac	unclassified_Actinobacteria	class-unclassified	0.00	0.00	0.00	0.00
-1923	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;unclassified_Mollicutes;	unclassified_Mollicutes	class-unclassified	0.00	0.00	0.00	0.00
-2686	Root;rootrank;Bacteria;domain;Cyanobacteria/Chloroplast;phylum;Cyanobacteria;class;unclassified_	unclassified_Cyanobacteria	class-unclassified	0.00	0.00	0.00	0.00
-1969	Root;rootrank;Archaea;domain;"Crenarchaeota";phylum;Thermoprotei;class;unclassified_Thermopr	unclassified_Thermoprotei	class-unclassified	0.00	0.00	0.00	0.00
362	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Coriobacteridae	subclass	0.17	0.04	0.12	0.10
16	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Actinobacteridae	subclass	0.01	0.00	0.04	0.00
-658	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidetes"_incertae_sedis;class;unclas	unclassified_"Bacteroidetes"_incert	class-unclassified	0.00	0.00	0.00	0.00

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-2434	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	unclassified_Clostridiales_Incertae S	family-unclassified	0.04	0.03	0.03	0.02
-2430	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	unclassified_Clostridiales_Incertae S	family-unclassified	0.00	0.00	0.00	0.00
424	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;	Bacteroidales	order	37.34	48.86	47.66	42.54
566	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales"	Sphingobacteriales	order	0.05	0.05	0.07	0.09
459	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;Flavobacteria;class;"Flavobacteriales";order	Flavobacteriales	order	0.00	0.00	0.01	0.01
2723	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;	Selenomonadales	order	15.03	10.45	1.56	1.41
2559	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;	Erysipelotrichales	order	3.15	3.54	0.81	1.47
2376	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;	Clostridiales	order	20.25	24.52	25.62	28.15
2544	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Thermoanaerobacterales;order;	Thermoanaerobacterales	order	0.00	0.00	0.00	0.00
2333	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;	Lactobacillales	order	1.04	0.69	10.50	13.64
2261	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;	Bacillales	order	0.00	2.20	0.00	0.00
1616	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter"	Enterobacteriales	order	10.17	0.05	1.04	0.04
1507	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Aeromonadales	Aeromonadales	order	1.75	0.01	0.30	0.03
1745	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Pasteurellales	order	0.00	0.00	0.00	0.00
1762	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pseudomonadales	Pseudomonadales	order	0.00	0.00	0.00	0.00
870	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Rhizobiales	order	0.81	0.84	1.04	0.64
1151	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Sphingomonadales	Sphingomonadales	order	0.00	0.00	0.00	0.00
1069	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhodospirillales	Rhodospirillales	order	0.00	0.00	0.00	0.00
978	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhodobacterales	Rhodobacterales	order	0.00	0.00	0.00	0.00
1176	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Burkholderiales	order	1.73	1.77	0.01	0.00
1285	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Neisseriales;orde	Neisseriales	order	0.00	0.00	0.00	0.00

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1330	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Rhodocyclales;or	Rhodocyclales	order	0.00	0.00	0.00	0.00
1478	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	Campylobacteriales	order	0.05	0.01	0.05	0.01
1353	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Bdellovibrionales	Bdellovibrionales	order	0.00	0.00	0.00	0.00
1395	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Desulfovibrional	Desulfovibrionales	order	0.00	0.00	0.00	0.00
791	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;"Fusobacteria";class;"Fusobacteriales";order	Fusobacteriales	order	0.08	0.00	0.04	0.00
363	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Coriobacteriales	order	0.17	0.04	0.12	0.10
353	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Bifidobacteriales	order	0.01	0.00	0.04	0.00
17	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Actinomycetales	order	0.00	0.00	0.00	0.00
1926	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;Anaeroplasmatales;order;	Anaeroplasmatales	order	0.01	0.02	0.05	0.01
1936	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;Haloplasmatales;order;	Haloplasmatales	order	0.00	0.00	0.00	0.00
1885	Root;rootrank;Bacteria;domain;"Spirochaetes";phylum;Spirochaetes;class;Spirochaetales;order;	Spirochaetales	order	0.00	0.00	0.00	0.00
1908	Root;rootrank;Bacteria;domain;"Synergistetes";phylum;Synergistia;class;Synergistales;order;	Synergistales	order	0.01	0.00	0.00	0.00
748	Root;rootrank;Bacteria;domain;"Deferribacteres";phylum;Deferribacteres;class;Deferribacterales;or	Deferribacterales	order	0.00	0.00	0.00	0.00
786	Root;rootrank;Bacteria;domain;"Fibrobacteres";phylum;"Fibrobacteria";class;"Fibrobacterales";orde	Fibrobacterales	order	0.00	0.00	0.00	0.00
669	Root;rootrank;Bacteria;domain;"Chlamydiae";phylum;Chlamydiae;class;Chlamydiales;order;	Chlamydiales	order	0.00	0.00	0.00	0.00
781	Root;rootrank;Bacteria;domain;"Elusimicrobia";phylum;Elusimicrobia;class;Elusimicrobiales;order;	Elusimicrobiales	order	0.00	0.00	0.00	0.00
826	Root;rootrank;Bacteria;domain;"Planctomycetes";phylum;"Planctomycetacia";class;Planctomycetale	Planctomycetales	order	0.00	0.00	0.00	0.00
814	Root;rootrank;Bacteria;domain;"Lentisphaerae";phylum;"Lentisphaeria";class;Victivallales;order;	Victivallales	order	0.00	0.00	0.00	0.00
1974	Root;rootrank;Archaea;domain;"Crenarchaeota";phylum;Thermoprotei;class;Desulfurococcales;orde	Desulfurococcales	order	0.00	0.00	0.00	0.00
2056	Root;rootrank;Archaea;domain;"Euryarchaeota";phylum;Methanobacteria;class;Methanobacteriales	Methanobacteriales	order	0.00	0.00	0.00	0.00
-425	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;un	unclassified_ "Bacteroidales"	order-unclassified	4.74	7.26	2.69	1.92

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-567	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales"	unclassified_"Sphingobacteriales"	order-unclassified	0.04	0.04	0.06	0.08
-460	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;Flavobacteria;class;"Flavobacteriales";order	unclassified_"Flavobacteriales"	order-unclassified	0.00	0.00	0.00	0.00
-2724	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;uncla	unclassified_Selenomonadales	order-unclassified	0.43	0.27	0.09	0.08
-2377	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;unclassified_Cl	unclassified_Clostridiales	order-unclassified	0.87	1.23	2.75	5.06
-2334	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;unclassified_Lac	unclassified_Lactobacillales	order-unclassified	0.22	0.17	2.24	2.64
-2262	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;unclassified_Bacillale	unclassified_Bacillales	order-unclassified	0.00	0.34	0.00	0.00
-1508	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Aeromonadales	unclassified_Aeromonadales	order-unclassified	0.00	0.00	0.00	0.00
-1070	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhodospirillales	unclassified_Rhodospirillales	order-unclassified	0.00	0.00	0.00	0.00
-1152	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Sphingomonada	unclassified_Sphingomonadales	order-unclassified	0.00	0.00	0.00	0.00
-871	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	unclassified_Rhizobiales	order-unclassified	0.00	0.00	0.00	0.00
-1177	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	unclassified_Burkholderiales	order-unclassified	0.16	0.06	0.00	0.00
-1479	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	unclassified_Campylobacteriales	order-unclassified	0.00	0.00	0.00	0.00
-1396	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Desulfurovibrionales	unclassified_Desulfurovibrionales	order-unclassified	0.00	0.00	0.00	0.00
-1354	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Bdellovibrionales	unclassified_Bdellovibrionales	order-unclassified	0.00	0.00	0.00	0.00
-792	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;"Fusobacteria";class;"Fusobacteriales";order	unclassified_"Fusobacteriales"	order-unclassified	0.00	0.00	0.00	0.00
-18	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	unclassified_Actinomycetales	order-unclassified	0.00	0.00	0.00	0.00
-1886	Root;rootrank;Bacteria;domain;"Spirochaetes";phylum;Spirochaetes;class;Spirochaetales;order;uncl	unclassified_Spirochaetales	order-unclassified	0.00	0.00	0.00	0.00
-1975	Root;rootrank;Archaea;domain;"Crenarchaeota";phylum;Thermoprotei;class;Desulfurococcales;orde	unclassified_Desulfurococcales	order-unclassified	0.00	0.00	0.00	0.00
364	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Coriobacterineae	suborder	0.17	0.04	0.12	0.10
254	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Propionibacterineae	suborder	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
95	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Micrococccineae	suborder	0.00	0.00	0.00	0.00
35	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Corynebacterineae	suborder	0.00	0.00	0.00	0.00
18	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Actinomycineae	suborder	0.00	0.00	0.00	0.00
280	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Pseudonocardineae	suborder	0.00	0.00	0.00	0.00
-96	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	unclassified_Micrococccineae	suborder-unclassified	0.00	0.00	0.00	0.00
-36	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	unclassified_Corynebacterineae	suborder-unclassified	0.00	0.00	0.00	0.00
448	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Prevotellaceae	family	25.53	34.52	34.71	33.90
436	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Porphyromonadaceae	family	6.76	6.82	10.03	6.59
453	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"R	Rikenellaceae	family	0.02	0.03	0.01	0.01
425	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"Ba	Bacteroidaceae	family	0.28	0.21	0.20	0.11
432	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"M	Marinilabiaceae	family	0.02	0.02	0.01	0.01
456	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"B	Bacteroidales_incertae_sedis	family	0.00	0.00	0.00	0.00
567	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	Chitinophagaceae	family	0.00	0.00	0.00	0.00
595	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	Cytophagaceae	family	0.00	0.00	0.00	0.01
648	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	Sphingobacteriaceae	family	0.00	0.00	0.00	0.00
622	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	Flammeovirgaceae	family	0.00	0.00	0.00	0.00
584	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	Cyclobacteriaceae	family	0.00	0.00	0.00	0.00
470	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;Flavobacteria;class;"Flavobacteriales";order	Flavobacteriaceae	family	0.00	0.00	0.00	0.00
2503	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Veillonellaceae	family	5.41	3.53	0.43	0.53
2724	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Acida	Acidaminococcaceae	family	9.19	6.64	1.04	0.80

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
2560	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Erysipelotrichaceae	family	3.15	3.54	0.81	1.47
2445	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Lachnospiraceae	family	9.15	17.10	12.27	10.82
2484	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcace	Ruminococcaceae	family	9.73	5.67	7.56	6.78
2377	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiaceae	Clostridiaceae 1	family	0.12	0.29	1.70	4.31
2433	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_Incertae Sedis XIII	Clostridiales_Incertae Sedis XIII	family	0.30	0.18	0.28	0.46
2479	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptostreptoc	Peptostreptococcaceae	family	0.04	0.03	0.50	0.46
2395	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Eubacteriaceae	Eubacteriaceae	family	0.03	0.01	0.54	0.26
2417	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_Incertae Sedis XI	Clostridiales_Incertae Sedis XI	family	0.00	0.01	0.00	0.00
2470	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptococcaceae	Peptococcaceae 1	family	0.00	0.00	0.02	0.01
2429	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_Incertae Sedis XII	Clostridiales_Incertae Sedis XII	family	0.00	0.00	0.00	0.00
2402	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Gracilbacterac	Gracilbacteraceae	family	0.00	0.00	0.00	0.00
2627	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Incertae Sedis XI	Incertae Sedis XI	family	0.00	0.00	0.00	0.00
2393	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiaceae	Clostridiaceae 4	family	0.00	0.00	0.00	0.00
2674	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_incertae_sedis	Clostridiales_incertae_sedis	family	0.00	0.00	0.00	0.00
2545	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Thermoanaerobacterales;order;T	Thermoanaerobacteraceae	family	0.00	0.00	0.00	0.00
2363	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Lactobacillaceae	Lactobacillaceae	family	0.63	0.50	6.86	10.56
2371	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Streptococcaceae	Streptococcaceae	family	0.17	0.00	1.10	0.06
2342	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriaceae	Carnobacteriaceae	family	0.03	0.02	0.23	0.38
2357	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Enterococcaceae	Enterococcaceae	family	0.00	0.00	0.06	0.00
2334	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Aerococcaceae;	Aerococcaceae	family	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
2367	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Leuconostocaceae	Leuconostocaceae	family	0.00	0.00	0.00	0.00
2308	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	Planococcaceae	family	0.00	1.19	0.00	0.00
2269	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 2;family;	Bacillaceae 2	family	0.00	0.11	0.00	0.00
2264	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 1;family;	Bacillaceae 1	family	0.00	0.55	0.00	0.00
2302	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Paenibacillaceae 2;fa	Paenibacillaceae 2	family	0.00	0.00	0.00	0.00
2320	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Staphylococcaceae;fa	Staphylococcaceae	family	0.00	0.00	0.00	0.00
1617	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Enterobacteriaceae	family	10.17	0.05	1.04	0.04
1514	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Aeromonadal	Succinivibrionaceae	family	1.74	0.01	0.30	0.03
1746	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Pasteurellaceae	family	0.00	0.00	0.00	0.00
1772	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pseudomonad	Pseudomonadaceae	family	0.00	0.00	0.00	0.00
1763	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pseudomonad	Moraxellaceae	family	0.00	0.00	0.00	0.00
908	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Hyphomicrobiaceae	family	0.81	0.84	1.04	0.64
940	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Phyllobacteriaceae	family	0.00	0.00	0.00	0.00
886	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Bradyrhizobiaceae	family	0.00	0.00	0.00	0.00
959	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Rhodobiaceae	family	0.00	0.00	0.00	0.00
950	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Rhizobiaceae	family	0.00	0.00	0.00	0.00
898	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Brucellaceae	family	0.00	0.00	0.00	0.00
927	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Methylobacteriaceae	family	0.00	0.00	0.00	0.00
1158	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Sphingomonada	Sphingomonadaceae	family	0.00	0.00	0.00	0.00
979	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhodobacterales	Rhodobacteraceae	family	0.00	0.00	0.00	0.00

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1252	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Sutterellaceae	family	1.56	1.71	0.01	0.00
1255	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Burkholderiales_incertae_sedis	family	0.01	0.00	0.00	0.00
1240	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Oxalobacteraceae	family	0.00	0.00	0.00	0.00
1206	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Comamonadaceae	family	0.00	0.00	0.00	0.00
1177	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Alcaligenaceae	family	0.00	0.00	0.00	0.00
1286	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Neisseriales;orde	Neisseriaceae	family	0.00	0.00	0.00	0.00
1331	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Rhodocyclales;or	Rhodocyclaceae	family	0.00	0.00	0.00	0.00
1479	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	Campylobacteraceae	family	0.04	0.01	0.03	0.01
1484	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	Helicobacteraceae	family	0.01	0.00	0.02	0.00
1491	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	Hydrogenimonaceae	family	0.00	0.00	0.00	0.00
1357	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Bdellovibrionale	Bdellovibrionaceae	family	0.00	0.00	0.00	0.00
1407	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Desulfovibrional	Desulfovibrionaceae	family	0.00	0.00	0.00	0.00
1396	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Desulfovibrional	Desulfohalobiaceae	family	0.00	0.00	0.00	0.00
792	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;"Fusobacteria";class;"Fusobacteriales";order	Fusobacteriaceae	family	0.08	0.00	0.04	0.00
365	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Coriobacteriaceae	family	0.17	0.04	0.12	0.10
354	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Bifidobacteriaceae	family	0.01	0.00	0.04	0.00
264	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Propionibacteriaceae	family	0.00	0.00	0.00	0.00
154	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Microbacteriaceae	family	0.00	0.00	0.00	0.00
190	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Micrococcaceae	family	0.00	0.00	0.00	0.00
36	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Corynebacteriaceae	family	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
46	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Mycobacteriaceae	family	0.00	0.00	0.00	0.00
41	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Dietziaceae	family	0.00	0.00	0.00	0.00
19	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Actinomycetaceae	family	0.00	0.00	0.00	0.00
281	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Pseudonocardiaceae	family	0.00	0.00	0.00	0.00
1927	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;Anaeroplasmatales;order;Ana	Anaeroplasmataceae	family	0.01	0.02	0.05	0.01
1937	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;Haloplasmatales;order;Halopl	Haloplasmataceae	family	0.00	0.00	0.00	0.00
1895	Root;rootrank;Bacteria;domain;"Spirochaetes";phylum;Spirochaetes;class;Spirochaetales;order;Spir	Spirochaetaceae	family	0.00	0.00	0.00	0.00
1909	Root;rootrank;Bacteria;domain;"Synergistetes";phylum;Synergistia;class;Synergistales;order;Synergi	Synergistaceae	family	0.01	0.00	0.00	0.00
749	Root;rootrank;Bacteria;domain;"Deferribacteres";phylum;Deferribacteres;class;Deferribacterales;or	Deferribacteraceae	family	0.00	0.00	0.00	0.00
787	Root;rootrank;Bacteria;domain;"Fibrobacteres";phylum;"Fibrobacteria";class;"Fibrobacterales";orde	Fibrobacteraceae	family	0.00	0.00	0.00	0.00
2714	Root;rootrank;Bacteria;domain;"Cyanobacteria/Chloroplast";phylum;Chloroplast;class;Chloroplast;fam	Chloroplast	family	0.00	0.00	0.00	0.00
670	Root;rootrank;Bacteria;domain;"Chlamydiae";phylum;Chlamydiae;class;Chlamydiales;order;Chlamyd	Chlamydiaceae	family	0.00	0.00	0.00	0.00
782	Root;rootrank;Bacteria;domain;"Elusimicrobia";phylum;Elusimicrobia;class;Elusimicrobiales;order;El	Elusimicrobiaceae	family	0.00	0.00	0.00	0.00
827	Root;rootrank;Bacteria;domain;"Planctomycetes";phylum;"Planctomycetacia";class;Planctomycetale	Planctomycetaceae	family	0.00	0.00	0.00	0.00
815	Root;rootrank;Bacteria;domain;"Lentisphaerae";phylum;"Lentisphaeria";class;Victivallales;order;"Vi	Victivallaceae	family	0.00	0.00	0.00	0.00
1985	Root;rootrank;Archaea;domain;"Crenarchaeota";phylum;Thermoprotei;class;Desulfurococcals;orde	Pyrodictiaceae	family	0.00	0.00	0.00	0.00
2057	Root;rootrank;Archaea;domain;"Euryarchaeota";phylum;Methanobacteria;class;Methanobacteriales	Methanobacteriaceae	family	0.00	0.00	0.00	0.00
-449	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	unclassified_ "Prevotellaceae"	family-unclassified	4.65	5.39	7.09	6.04
-437	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	unclassified_ "Porphyromonadaceae"	family-unclassified	1.76	1.68	2.98	2.01
-433	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"M	unclassified_ "Marinilibiaceae"	family-unclassified	0.01	0.01	0.01	0.01

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
-454	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"R	unclassified_ "Rikenellaceae"	family-unclassified	0.00	0.00	0.00	0.00
-426	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;Ba	unclassified_Bacteroidaceae	family-unclassified	0.00	0.00	0.00	0.00
-596	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	unclassified_Cytophagaceae	family-unclassified	0.00	0.00	0.00	0.01
-649	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	unclassified_Sphingobacteriaceae	family-unclassified	0.00	0.00	0.00	0.00
-568	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	unclassified_Chitinophagaceae	family-unclassified	0.00	0.00	0.00	0.00
-623	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	unclassified_ "Flammeovirgaceae"	family-unclassified	0.00	0.00	0.00	0.00
-585	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	unclassified_ "Cyclobacteriaceae"	family-unclassified	0.00	0.00	0.00	0.00
-471	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;Flavobacteria;class;"Flavobacteriales";order	unclassified_Flavobacteriaceae	family-unclassified	0.00	0.00	0.00	0.00
-2504	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	unclassified_Veillonellaceae	family-unclassified	1.27	0.57	0.14	0.17
-2725	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Acida	unclassified_Acidaminococcaceae	family-unclassified	0.44	0.37	0.10	0.07
-2561	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	unclassified_Erysipelotrichaceae	family-unclassified	0.65	1.23	0.20	0.54
-2446	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospiraceae	unclassified_Lachnospiraceae	family-unclassified	3.17	6.76	5.97	5.46
-2485	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	unclassified_Ruminococcaceae	family-unclassified	1.54	1.08	3.29	3.69
-2378	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiaceae 1	unclassified_Clostridiaceae 1	family-unclassified	0.03	0.08	0.55	1.19
-2480	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptostreptoc	unclassified_Peptostreptococcaceae	family-unclassified	0.01	0.01	0.13	0.12
-2396	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Eubacteriaceae	unclassified_Eubacteriaceae	family-unclassified	0.00	0.00	0.01	0.00
-2418	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	unclassified_Clostridiales_Incertae S	family-unclassified	0.00	0.00	0.00	0.00
-2628	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Incertae Sedis XI	unclassified_Incertae Sedis XI	family-unclassified	0.00	0.00	0.00	0.00
-2403	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Gracilibacterac	unclassified_Gracilibacteraceae	family-unclassified	0.00	0.00	0.00	0.00
-2471	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptococ	unclassified_Peptococcaceae 1	family-unclassified	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
-2394	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiaceae	unclassified_Clostridiaceae 4	family-unclassified	0.00	0.00	0.00	0.00
-2364	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Lactobacillaceae	unclassified_Lactobacillaceae	family-unclassified	0.08	0.06	0.83	1.01
-2343	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriaceae	unclassified_Carnobacteriaceae	family-unclassified	0.03	0.02	0.23	0.38
-2372	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Streptococcaceae	unclassified_Streptococcaceae	family-unclassified	0.01	0.00	0.06	0.01
-2358	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Enterococcaceae	unclassified_Enterococcaceae	family-unclassified	0.00	0.00	0.02	0.00
-2335	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Aerococcaceae;	unclassified_Aerococcaceae	family-unclassified	0.00	0.00	0.00	0.00
-2368	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Leuconostocaceae	unclassified_Leuconostocaceae	family-unclassified	0.00	0.00	0.00	0.00
-2309	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	unclassified_Planococcaceae	family-unclassified	0.00	0.35	0.00	0.00
-2270	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 2;family;u	unclassified_Bacillaceae 2	family-unclassified	0.00	0.10	0.00	0.00
-2265	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 1;family;u	unclassified_Bacillaceae 1	family-unclassified	0.00	0.13	0.00	0.00
-2303	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Paenibacillaceae 2;fa	unclassified_Paenibacillaceae 2	family-unclassified	0.00	0.00	0.00	0.00
-2321	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Staphylococcaceae;fa	unclassified_Staphylococcaceae	family-unclassified	0.00	0.00	0.00	0.00
-1618	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	unclassified_Enterobacteriaceae	family-unclassified	1.77	0.02	0.31	0.01
-1515	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Aeromonad	unclassified_Succinivibrionaceae	family-unclassified	0.01	0.00	0.00	0.00
-1747	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	unclassified_Pasteurellaceae	family-unclassified	0.00	0.00	0.00	0.00
-1773	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pseudomonad	unclassified_Pseudomonadaceae	family-unclassified	0.00	0.00	0.00	0.00
-941	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	unclassified_Phyllobacteriaceae	family-unclassified	0.00	0.00	0.00	0.00
-899	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	unclassified_Brucellaceae	family-unclassified	0.00	0.00	0.00	0.00
-909	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	unclassified_Hyphomicrobiaceae	family-unclassified	0.00	0.00	0.00	0.00
-1159	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Sphingomonada	unclassified_Sphingomonadaceae	family-unclassified	0.00	0.00	0.00	0.00

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-1256	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	unclassified_Burkholderiales_incert	family-unclassified	0.01	0.00	0.00	0.00
-1253	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	unclassified_Sutterellaceae	family-unclassified	0.01	0.00	0.00	0.00
-1207	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	unclassified_Comonadaceae	family-unclassified	0.00	0.00	0.00	0.00
-1178	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	unclassified_Alcaligenaceae	family-unclassified	0.00	0.00	0.00	0.00
-1241	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	unclassified_Oxalobacteraceae	family-unclassified	0.00	0.00	0.00	0.00
-1287	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Neisseriales;orde	unclassified_Neisseriaceae	family-unclassified	0.00	0.00	0.00	0.00
-1332	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Rhodocyclales;or	unclassified_Rhodocyclaceae	family-unclassified	0.00	0.00	0.00	0.00
-1485	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	unclassified_Helicobacteraceae	family-unclassified	0.00	0.00	0.00	0.00
-1480	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	unclassified_Campylobacteraceae	family-unclassified	0.00	0.00	0.00	0.00
-1408	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Desulfobivibrional	unclassified_Desulfobivibrionaceae	family-unclassified	0.00	0.00	0.00	0.00
-793	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;"Fusobacteria";class;"Fusobacteriales";order	unclassified_"Fusobacteriaceae"	family-unclassified	0.01	0.00	0.01	0.00
-366	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	unclassified_Coriobacteriaceae	family-unclassified	0.06	0.02	0.05	0.04
-355	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	unclassified_Bifidobacteriaceae	family-unclassified	0.00	0.00	0.02	0.00
-265	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	unclassified_Propionibacteriaceae	family-unclassified	0.00	0.00	0.00	0.00
-155	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	unclassified_Microbacteriaceae	family-unclassified	0.00	0.00	0.00	0.00
-1896	Root;rootrank;Bacteria;domain;"Spirochaetes";phylum;Spirochaetes;class;Spirochaetales;order;Spir	unclassified_Spirochaetaceae	family-unclassified	0.00	0.00	0.00	0.00
-1910	Root;rootrank;Bacteria;domain;"Synergistetes";phylum;Synergistia;class;Synergistales;order;Synergi	unclassified_Synergistaceae	family-unclassified	0.00	0.00	0.00	0.00
-2715	Root;rootrank;Bacteria;domain;"Cyanobacteria/Chloroplast";phylum;Chloroplast;class;Chloroplast;fam	unclassified_Chloroplast	family-unclassified	0.00	0.00	0.00	0.00
-1986	Root;rootrank;Archaea;domain;"Crenarchaeota";phylum;Thermoprotei;class;Desulfurococcates;orde	unclassified_Pyrodicaceae	family-unclassified	0.00	0.00	0.00	0.00
451	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Prevotella	genus	17.52	25.14	20.62	21.04

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
449	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Hallella	genus	2.86	3.52	6.33	6.18
452	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Xylanibacter	genus	0.39	0.43	0.49	0.41
450	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Paraprevotella	genus	0.11	0.04	0.18	0.23
437	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Barnesiella	genus	4.39	4.83	6.09	3.98
443	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Parabacteroides	genus	0.37	0.14	0.27	0.24
447	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Tannerella	genus	0.13	0.12	0.57	0.34
438	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Butyricimonas	genus	0.10	0.05	0.10	0.02
440	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Odoribacter	genus	0.01	0.00	0.02	0.00
442	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Paludibacter	genus	0.00	0.00	0.00	0.00
444	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Petrimonas	genus	0.00	0.00	0.00	0.00
446	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"P	Proteiniphilum	genus	0.00	0.00	0.00	0.00
455	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"R	Rikenella	genus	0.02	0.02	0.01	0.01
454	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"R	Alistipes	genus	0.00	0.00	0.00	0.00
429	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"Ba	Anaerorhabdus	genus	0.05	0.10	0.02	0.02
430	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"Ba	Bacteroides	genus	0.22	0.11	0.19	0.08
434	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"M	Anaerophaga	genus	0.01	0.01	0.00	0.00
433	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"M	Alkaliflexus	genus	0.00	0.00	0.00	0.00
457	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidia";class;"Bacteroidales";order;"B	Phocaecicola	genus	0.00	0.00	0.00	0.00
576	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	Hydrotalea	genus	0.00	0.00	0.00	0.00
581	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales	Sediminibacterium	genus	0.00	0.00	0.00	0.00

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575	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales"	Gracilimonas	genus	0.00	0.00	0.00	0.00
611	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales"	Meniscus	genus	0.00	0.00	0.00	0.00
619	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales"	Siphonobacter	genus	0.00	0.00	0.00	0.00
654	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales"	Pseudosphingobacterium	genus	0.00	0.00	0.00	0.00
650	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Sphingobacteria";class;"Sphingobacteriales"	Nubsella	genus	0.00	0.00	0.00	0.00
532	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;Flavobacteria;class;"Flavobacteriales";order	Ornithobacterium	genus	0.00	0.00	0.00	0.00
477	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;Flavobacteria;class;"Flavobacteriales";order	Bergeyella	genus	0.00	0.00	0.00	0.00
660	Root;rootrank;Bacteria;domain;"Bacteroidetes";phylum;"Bacteroidetes"_incertae_sedis;class;Prolixi	Prolixibacter	genus	0.00	0.00	0.00	0.00
2521	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Schwartzia	genus	0.15	0.04	0.03	0.01
2527	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Allisonella	genus	1.98	1.91	0.03	0.02
2526	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Megasphaera	genus	0.75	0.29	0.17	0.20
2661	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Mitsuokella	genus	0.46	0.43	0.02	0.02
2529	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Veillonella	genus	0.07	0.00	0.00	0.00
2520	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Anaerovibrio	genus	0.24	0.01	0.02	0.02
2517	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Selenomonas	genus	0.33	0.22	0.01	0.01
2528	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Dialister	genus	0.14	0.05	0.01	0.07
2525	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Anaeroglobus	genus	0.01	0.00	0.00	0.00
2516	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Centipeda	genus	0.00	0.00	0.00	0.00
2509	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Anaerosinus	genus	0.00	0.00	0.00	0.00
2523	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Zymophilus	genus	0.00	0.00	0.00	0.00

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2662	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Negativicoccus	genus	0.00	0.00	0.00	0.00
2508	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Dendrosporobacter	genus	0.00	0.00	0.00	0.00
2504	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Veillo	Acetonema	genus	0.00	0.00	0.00	0.00
2514	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Acida	Acidaminococcus	genus	7.91	5.39	0.04	0.03
2513	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Acida	Phascolarctobacterium	genus	0.84	0.88	0.90	0.70
2515	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Acida	Succinispira	genus	0.00	0.00	0.00	0.00
2512	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Negativicutes;class;Selenomonadales;order;Acida	Succiniclasticum	genus	0.00	0.00	0.00	0.00
2672	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Erysipelotrichaceae_incertae_sedis	genus	2.11	1.61	0.35	0.63
2563	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Bulleidia	genus	0.18	0.33	0.08	0.10
2610	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Sharpea	genus	0.01	0.03	0.00	0.01
2566	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Holdmania	genus	0.15	0.32	0.03	0.02
2564	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Catenibacterium	genus	0.03	0.01	0.14	0.17
2562	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Allobaculum	genus	0.02	0.01	0.00	0.02
2567	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Solobacterium	genus	0.00	0.00	0.00	0.00
2671	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Clostridium XVIII	genus	0.00	0.00	0.00	0.00
2565	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Coprobacillus	genus	0.00	0.00	0.00	0.00
2561	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Erysipelothrix	genus	0.00	0.00	0.00	0.00
2568	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Erysipelotrichia;class;Erysipelotrichales;order;Ery	Turicibacter	genus	0.00	0.00	0.00	0.00
2449	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Roseburia	genus	1.38	5.44	2.24	2.06
2463	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Coproccoccus	genus	1.01	0.87	0.53	0.50

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2454	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Dorea	genus	2.47	1.56	0.71	0.60
2678	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Lachnospiracea_incertae_sedis	genus	0.87	1.44	1.58	1.16
2626	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Blautia	genus	0.08	0.20	0.84	0.70
2462	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Lachnospira	genus	0.06	0.06	0.09	0.04
2619	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Lactonifactor	genus	0.03	0.04	0.05	0.04
2452	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Syntrophococcus	genus	0.01	0.02	0.02	0.00
2464	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Acetitomaculum	genus	0.00	0.00	0.00	0.00
2448	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Lachnobacterium	genus	0.01	0.05	0.03	0.03
2458	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Parasporobacterium	genus	0.02	0.00	0.00	0.00
2638	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Robinsoniella	genus	0.01	0.01	0.02	0.02
2630	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Howardella	genus	0.01	0.00	0.03	0.00
2456	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Oribacterium	genus	0.01	0.34	0.00	0.02
2447	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Shuttleworthia	genus	0.00	0.00	0.00	0.00
2676	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Clostridium XIVa	genus	0.02	0.27	0.06	0.13
2446	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Pseudobutyrvibrio	genus	0.01	0.00	0.01	0.00
2677	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Clostridium XIVb	genus	0.00	0.00	0.06	0.02
2461	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Catonella	genus	0.00	0.00	0.00	0.00
2459	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Anaerostipes	genus	0.00	0.00	0.02	0.01
2637	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Marvinbryantia	genus	0.00	0.00	0.00	0.00
2457	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Sporobacterium	genus	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
2455	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Hespellia	genus	0.00	0.00	0.00	0.00
2450	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Moryella	genus	0.00	0.00	0.00	0.00
2451	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Johnsonella	genus	0.00	0.00	0.00	0.00
2460	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Lachnospirace	Butyrivibrio	genus	0.00	0.01	0.00	0.00
2485	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Faecalibacterium	genus	5.09	3.23	1.57	0.45
2639	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Oscillibacter	genus	2.60	0.32	1.15	0.83
2682	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Clostridium IV	genus	0.04	0.36	0.24	0.27
2494	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Sporobacter	genus	0.12	0.08	0.17	0.13
2615	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Butyricoccus	genus	0.03	0.02	0.41	0.25
2634	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Pseudoflavonifractor	genus	0.05	0.01	0.05	0.04
2490	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Ethanoligenens	genus	0.05	0.06	0.05	0.05
2489	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Acetanaerobacterium	genus	0.04	0.07	0.06	0.06
2491	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Anaerotruncus	genus	0.00	0.01	0.01	0.02
2629	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Flavonifractor	genus	0.13	0.09	0.21	0.18
2487	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Subdoligranulum	genus	0.01	0.01	0.01	0.02
2493	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Papillibacter	genus	0.00	0.00	0.02	0.00
2492	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Ruminococcus	genus	0.02	0.32	0.25	0.67
2486	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Acetivibrio	genus	0.00	0.01	0.06	0.08
2488	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Anaerofilum	genus	0.00	0.00	0.00	0.00
2622	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcac	Saccharofermentans	genus	0.00	0.01	0.00	0.02

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
2681	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcales	Clostridium III	genus	0.00	0.00	0.00	0.00
2644	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcales	Hydrogenoanaerobacterium	genus	0.00	0.00	0.00	0.00
2496	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Ruminococcales	Fastidiosipila	genus	0.00	0.00	0.00	0.00
2614	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiaceae	Anaerosporebacter	genus	0.01	0.01	0.00	0.00
2380	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiaceae	Clostridium sensu stricto	genus	0.06	0.16	0.80	2.27
2378	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiaceae	Sarcina	genus	0.01	0.01	0.10	0.17
2379	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiaceae	Anaerobacter	genus	0.01	0.03	0.25	0.66
2435	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	Mogibacterium	genus	0.22	0.11	0.10	0.02
2434	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	Anaerovorax	genus	0.04	0.04	0.15	0.42
2679	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptostreptococcales	Clostridium XI	genus	0.02	0.02	0.26	0.27
2481	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptostreptococcales	Peptostreptococcus	genus	0.01	0.00	0.04	0.00
2480	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptostreptococcales	Sporacetigenium	genus	0.00	0.00	0.06	0.06
2397	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Eubacteriaceae	Eubacterium	genus	0.02	0.01	0.53	0.26
2398	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Eubacteriaceae	Pseudoramibacter	genus	0.00	0.00	0.01	0.00
2399	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Eubacteriaceae	Anaerofustis	genus	0.00	0.00	0.00	0.00
2635	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Eubacteriaceae	Alkalibaculum	genus	0.00	0.00	0.00	0.00
2421	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	Finegoldia	genus	0.00	0.00	0.00	0.00
2423	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	Peptoniphilus	genus	0.00	0.00	0.00	0.00
2418	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	Anaerococcus	genus	0.00	0.00	0.00	0.00
2477	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptococcales	Peptococcus	genus	0.00	0.00	0.02	0.01

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2472	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Peptococceae	Dehalobacter	genus	0.00	0.00	0.00	0.00
2430	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	Acidaminobacter	genus	0.00	0.00	0.00	0.00
2432	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_In	Guggenheimella	genus	0.00	0.00	0.00	0.00
2403	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Gracilibacterac	Gracilibacter	genus	0.00	0.00	0.00	0.00
2620	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Gracilibacterac	Lutispora	genus	0.00	0.00	0.00	0.00
2631	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Incertainae Sedis	Murdochiella	genus	0.00	0.00	0.00	0.00
2675	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Clostridiales;order;Clostridiales_in	Proteiniborus	genus	0.00	0.00	0.00	0.00
2546	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Clostridia;class;Thermoanaerobacterales;order;T	Thermoanaerobacter	genus	0.00	0.00	0.00	0.00
2364	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Lactobacillaceae	Lactobacillus	genus	0.54	0.43	5.91	9.41
2366	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Lactobacillaceae	Paralactobacillus	genus	0.01	0.02	0.13	0.14
2365	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Lactobacillaceae	Pediococcus	genus	0.00	0.00	0.00	0.00
2372	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Streptococceae	Streptococcus	genus	0.15	0.00	1.02	0.04
2374	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Streptococceae	Lactovum	genus	0.00	0.00	0.01	0.01
2373	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Streptococceae	Lactococcus	genus	0.00	0.00	0.00	0.00
2343	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriaceae	Catelicoccus	genus	0.00	0.00	0.00	0.00
2349	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriaceae	Alloiococcus	genus	0.00	0.00	0.00	0.00
2353	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriaceae	Isobaculum	genus	0.00	0.00	0.00	0.00
2344	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriaceae	Atopobacter	genus	0.00	0.00	0.00	0.00
2355	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriaceae	Desemzia	genus	0.00	0.00	0.00	0.00
2352	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriaceae	Atopococcus	genus	0.00	0.00	0.00	0.00

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2607	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriace	Lacticigenium	genus	0.00	0.00	0.00	0.00
2347	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriace	Dolosigranulum	genus	0.00	0.00	0.00	0.00
2348	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriace	Atopostipes	genus	0.00	0.00	0.00	0.00
2608	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Carnobacteriace	Pisciglobus	genus	0.00	0.00	0.00	0.00
2358	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Enterococceae	Pilibacter	genus	0.00	0.00	0.04	0.00
2362	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Enterococceae	Enterococcus	genus	0.00	0.00	0.00	0.00
2360	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Enterococceae	Melissococcus	genus	0.00	0.00	0.00	0.00
2609	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Enterococceae	Bavariococcus	genus	0.00	0.00	0.00	0.00
2361	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Enterococceae	Vagococcus	genus	0.00	0.00	0.00	0.00
2340	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Aerococceae;	Abiotrophia	genus	0.00	0.00	0.00	0.00
2337	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Aerococceae;	Globicatella	genus	0.00	0.00	0.00	0.00
2368	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Lactobacillales;order;Leuconostocace	Weissella	genus	0.00	0.00	0.00	0.00
2583	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	Psychrobacillus	genus	0.00	0.04	0.00	0.00
2596	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	Solibacillus	genus	0.00	0.00	0.00	0.00
2578	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	Lysinibacillus	genus	0.00	0.79	0.00	0.00
2680	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	Planococcaceae_incertae_sedis	genus	0.00	0.01	0.00	0.00
2595	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	Rummeliibacillus	genus	0.00	0.00	0.00	0.00
2599	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	Bhargavaea	genus	0.00	0.00	0.00	0.00
2600	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Planococcaceae;famil	Paenisporosarcina	genus	0.00	0.00	0.00	0.00
2570	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 2;family;A	Allobacillus	genus	0.00	0.00	0.00	0.00

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2577	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 2;family;H	Halalkalibacillus	genus	0.00	0.01	0.00	0.00
2286	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 2;family;P	Paucislibacillus	genus	0.00	0.00	0.00	0.00
2586	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 2;family;S	Salirhabdus	genus	0.00	0.00	0.00	0.00
2589	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 2;family;S	Streptohalobacillus	genus	0.00	0.00	0.00	0.00
2268	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 1;family;B	Bacillus	genus	0.00	0.40	0.00	0.00
2576	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 1;family;F	Falsibacillus	genus	0.00	0.03	0.00	0.00
2569	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 1;family;A	Aeribacillus	genus	0.00	0.00	0.00	0.00
2266	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Bacillaceae 1;family;G	Geobacillus	genus	0.00	0.00	0.00	0.00
2305	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Paenibacillaceae 2;fa	Aneurinibacillus	genus	0.00	0.00	0.00	0.00
2322	Root;rootrank;Bacteria;domain;Firmicutes;phylum;Bacilli;class;Bacillales;order;Staphylococcaceae;fa	Staphylococcus	genus	0.00	0.00	0.00	0.00
1651	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Proteus	genus	5.48	0.00	0.00	0.00
1633	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Escherichia/Shigella	genus	2.60	0.03	0.72	0.02
1627	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Cosenzaea	genus	0.30	0.00	0.00	0.00
1639	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Leclercia	genus	0.01	0.00	0.00	0.00
1657	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Samsonia	genus	0.00	0.00	0.00	0.00
1642	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Mangrovibacter	genus	0.00	0.00	0.00	0.00
1628	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Cronobacter	genus	0.00	0.00	0.00	0.00
1650	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Pragia	genus	0.00	0.00	0.00	0.00
1637	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Klebsiella	genus	0.00	0.00	0.00	0.00
1649	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Plesiomonas	genus	0.00	0.00	0.00	0.00

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1667	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Yokenella	genus	0.00	0.00	0.00	0.00
1635	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Gibbsiella	genus	0.00	0.00	0.00	0.00
1653	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Rahnella	genus	0.00	0.00	0.00	0.00
1644	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Morganella	genus	0.00	0.00	0.00	0.00
1663	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Trabulsiella	genus	0.00	0.00	0.00	0.00
1645	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Obesumbacterium	genus	0.00	0.00	0.00	0.00
1625	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Cedecea	genus	0.00	0.00	0.00	0.00
1631	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Enterobacter	genus	0.00	0.00	0.00	0.00
1626	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Citrobacter	genus	0.00	0.00	0.00	0.00
1640	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Leminorella	genus	0.00	0.00	0.00	0.00
1646	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;"Enterobacter	Pantoea	genus	0.00	0.00	0.00	0.00
1519	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Aeromonad	Succinivibrio	genus	1.73	0.01	0.30	0.03
1518	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Aeromonad	Succinimonas	genus	0.00	0.00	0.00	0.00
1515	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Aeromonad	Anaerobiospirillum	genus	0.00	0.00	0.00	0.00
1759	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Pasteurella	genus	0.00	0.00	0.00	0.00
1747	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Actinobacillus	genus	0.00	0.00	0.00	0.00
1751	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Bibersteinia	genus	0.00	0.00	0.00	0.00
1758	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Nicoletella	genus	0.00	0.00	0.00	0.00
1754	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Haemophilus	genus	0.00	0.00	0.00	0.00
1750	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Basfia	genus	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
1757	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pasteurellales	Mannheimia	genus	0.00	0.00	0.00	0.00
1781	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pseudomonad	Pseudomonas	genus	0.00	0.00	0.00	0.00
1773	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pseudomonad	Azomonas	genus	0.00	0.00	0.00	0.00
1768	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pseudomonad	Moraxella	genus	0.00	0.00	0.00	0.00
1764	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Gammaproteobacteria;class;Pseudomonad	Acinetobacter	genus	0.00	0.00	0.00	0.00
917	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Gemmiger	genus	0.81	0.84	1.04	0.64
914	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Devosia	genus	0.00	0.00	0.00	0.00
918	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Hyphomicrobium	genus	0.00	0.00	0.00	0.00
916	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Filomicrobium	genus	0.00	0.00	0.00	0.00
946	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Mesorhizobium	genus	0.00	0.00	0.00	0.00
941	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Aminobacter	genus	0.00	0.00	0.00	0.00
943	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Chelativorans	genus	0.00	0.00	0.00	0.00
945	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Hoeflea	genus	0.00	0.00	0.00	0.00
949	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Pseudaminobacter	genus	0.00	0.00	0.00	0.00
892	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Bradyrhizobium	genus	0.00	0.00	0.00	0.00
888	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Agromonas	genus	0.00	0.00	0.00	0.00
889	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Balneimonas	genus	0.00	0.00	0.00	0.00
891	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Bosea	genus	0.00	0.00	0.00	0.00
962	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Parvibaculum	genus	0.00	0.00	0.00	0.00
958	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Sinorhizobium	genus	0.00	0.00	0.00	0.00

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929	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhizobiales;orde	Methylobacterium	genus	0.00	0.00	0.00	0.00
1165	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Sphingomonada	Sphingomonas	genus	0.00	0.00	0.00	0.00
1005	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Alphaproteobacteria;class;Rhodobacterales	Mameliella	genus	0.00	0.00	0.00	0.00
1253	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Parasutterella	genus	1.22	0.00	0.00	0.00
1254	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Sutterella	genus	0.32	1.70	0.00	0.00
1249	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Oxalobacter	genus	0.00	0.00	0.00	0.00
1219	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Hydrogenophaga	genus	0.00	0.00	0.00	0.00
1209	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Alicyclophilus	genus	0.00	0.00	0.00	0.00
1178	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Achromobacter	genus	0.00	0.00	0.00	0.00
1186	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Burkholderiales;o	Kerstersia	genus	0.00	0.00	0.00	0.00
1308	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Neisseriales;orde	Neisseria	genus	0.00	0.00	0.00	0.00
1291	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Betaproteobacteria;class;Neisseriales;orde	Bergeriella	genus	0.00	0.00	0.00	0.00
1481	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	Campylobacter	genus	0.04	0.01	0.03	0.01
1485	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	Helicobacter	genus	0.00	0.00	0.02	0.00
1490	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	Wolinella	genus	0.00	0.00	0.00	0.00
1492	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Epsilonproteobacteria;class;Campylobacte	Hydrogenimonas	genus	0.00	0.00	0.00	0.00
1360	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Bdellovibrionales	Vampirovibrio	genus	0.00	0.00	0.00	0.00
1408	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Desulfosporichnionales	Bilophila	genus	0.00	0.00	0.00	0.00
1411	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Desulfosporichnionales	Desulfovibrio	genus	0.00	0.00	0.00	0.00
1402	Root;rootrank;Bacteria;domain;"Proteobacteria";phylum;Deltaproteobacteria;class;Desulfosporichnionales	Desulfovermiculus	genus	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
794	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;"Fusobacteria";class;"Fusobacteriales";order	Fusobacterium	genus	0.04	0.00	0.02	0.00
798	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;"Fusobacteria";class;"Fusobacteriales";order	Clostridium XIX	genus	0.03	0.00	0.02	0.00
793	Root;rootrank;Bacteria;domain;"Fusobacteria";phylum;"Fusobacteria";class;"Fusobacteriales";order	Cetobacterium	genus	0.00	0.00	0.00	0.00
369	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Collinsella	genus	0.09	0.01	0.05	0.04
376	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Olsenella	genus	0.01	0.01	0.01	0.01
374	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Enterorhabdus	genus	0.00	0.00	0.01	0.00
378	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Slackia	genus	0.01	0.00	0.01	0.00
377	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Paraeggerthella	genus	0.00	0.00	0.00	0.00
370	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Coriobacterium	genus	0.00	0.00	0.00	0.00
375	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Gordonibacter	genus	0.00	0.00	0.00	0.00
366	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Adlercreutzia	genus	0.00	0.00	0.00	0.00
368	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Atopobium	genus	0.00	0.00	0.00	0.00
373	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Eggerthella	genus	0.00	0.00	0.00	0.00
367	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Coriobacteridae;subcl	Asaccharobacter	genus	0.00	0.00	0.00	0.00
357	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Bifidobacterium	genus	0.01	0.00	0.02	0.00
360	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Parascardovia	genus	0.00	0.00	0.00	0.00
359	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Metascardovia	genus	0.00	0.00	0.00	0.00
356	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Alloscardovia	genus	0.00	0.00	0.00	0.00
358	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Gardnerella	genus	0.00	0.00	0.00	0.00
278	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Propionimicrobium	genus	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
274	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Propionibacterium	genus	0.00	0.00	0.00	0.00
265	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Aestuariimicrobium	genus	0.00	0.00	0.00	0.00
179	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Okibacterium	genus	0.00	0.00	0.00	0.00
175	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Microbacterium	genus	0.00	0.00	0.00	0.00
193	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Auritidibacter	genus	0.00	0.00	0.00	0.00
199	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Rothia	genus	0.00	0.00	0.00	0.00
39	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Corynebacterium	genus	0.00	0.00	0.00	0.00
48	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Mycobacterium	genus	0.00	0.00	0.00	0.00
42	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Dietzia	genus	0.00	0.00	0.00	0.00
21	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Actinomyces	genus	0.00	0.00	0.00	0.00
302	Root;rootrank;Bacteria;domain;"Actinobacteria";phylum;Actinobacteria;class;Actinobacteridae;subc	Pseudonocardia	genus	0.00	0.00	0.00	0.00
1929	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;Anaeroplasmatales;order;Ana	Asteroleplasma	genus	0.01	0.02	0.05	0.01
1928	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;Anaeroplasmatales;order;Ana	Anaeroplasma	genus	0.00	0.00	0.00	0.00
1938	Root;rootrank;Bacteria;domain;"Tenericutes";phylum;Mollicutes;class;Haloplasmatales;order;Halopl	Haloplasma	genus	0.00	0.00	0.00	0.00
1903	Root;rootrank;Bacteria;domain;"Spirochaetes";phylum;Spirochaetes;class;Spirochaetales;order;Spir	Treponema	genus	0.00	0.00	0.00	0.00
1902	Root;rootrank;Bacteria;domain;"Spirochaetes";phylum;Spirochaetes;class;Spirochaetales;order;Spir	Spirochaeta	genus	0.00	0.00	0.00	0.00
1914	Root;rootrank;Bacteria;domain;"Synergistetes";phylum;Synergistia;class;Synergistales;order;Synergi	Cloacibacillus	genus	0.00	0.00	0.00	0.00
1917	Root;rootrank;Bacteria;domain;"Synergistetes";phylum;Synergistia;class;Synergistales;order;Synergi	Pyramidobacter	genus	0.00	0.00	0.00	0.00
755	Root;rootrank;Bacteria;domain;"Deferribacteres";phylum;Deferribacteres;class;Deferribacterales;or	Mucispirillum	genus	0.00	0.00	0.00	0.00
2182	Root;rootrank;Bacteria;domain;"Verrucomicrobia";phylum;Subdivision5;class;Subdivision5_genera_incertae_sedi	Subdivision5_genera_incertae_sedi	genus	0.00	0.00	0.00	0.00

Taxid	Lineage	Name	Rank	Cultured Conventio	Cultured Organic_P	Conventional_Perc	Organic_Perc
788	Root;rootrank;Bacteria;domain;"Fibrobacteres";phylum;"Fibrobacteria";class;"Fibrobacterales";orde	Fibrobacter	genus	0.00	0.00	0.00	0.00
2721	Root;rootrank;Bacteria;domain;Cyanobacteria/Chloroplast;phylum;Chloroplast;class;Chloroplast;fam	Streptophyta	genus	0.00	0.00	0.00	0.00
2241	Root;rootrank;Bacteria;domain;"Acidobacteria";phylum;Acidobacteria_Gp21;class;Gp21;genus;	Gp21	genus	0.00	0.00	0.00	0.00
2213	Root;rootrank;Bacteria;domain;"Acidobacteria";phylum;Acidobacteria_Gp5;class;Gp5;genus;	Gp5	genus	0.00	0.00	0.00	0.00
671	Root;rootrank;Bacteria;domain;"Chlamydiae";phylum;Chlamydiae;class;Chlamydiales;order;Chlamyd	Chlamydia	genus	0.00	0.00	0.00	0.00
783	Root;rootrank;Bacteria;domain;"Elusimicrobia";phylum;Elusimicrobia;class;Elusimicrobiales;order;El	Elusimicrobium	genus	0.00	0.00	0.00	0.00
830	Root;rootrank;Bacteria;domain;"Planctomyetes";phylum;"Planctomycetacia";class;Planctomycetale	Isosphaera	genus	0.00	0.00	0.00	0.00
2147	Root;rootrank;Bacteria;domain;TM7;phylum;TM7_genera_incertae_sedis;genus;	TM7_genera_incertae_sedis	genus	0.00	0.00	0.00	0.01
816	Root;rootrank;Bacteria;domain;"Lentisphaerae";phylum;"Lentisphaeria";class;Victivallales;order;"Vi	Victivallis	genus	0.00	0.00	0.00	0.00
1988	Root;rootrank;Archaea;domain;"Crenarchaeota";phylum;Thermoprotei;class;Desulfurococcales;orde	Pyrolobus	genus	0.00	0.00	0.00	0.00
2059	Root;rootrank;Archaea;domain;"Euryarchaeota";phylum;Methanobacteria;class;Methanobacteriales	Methanobrevibacter	genus	0.00	0.00	0.00	0.00

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