

Comparative analysis of the fecal microbiota from different species of domesticated and wild suids.

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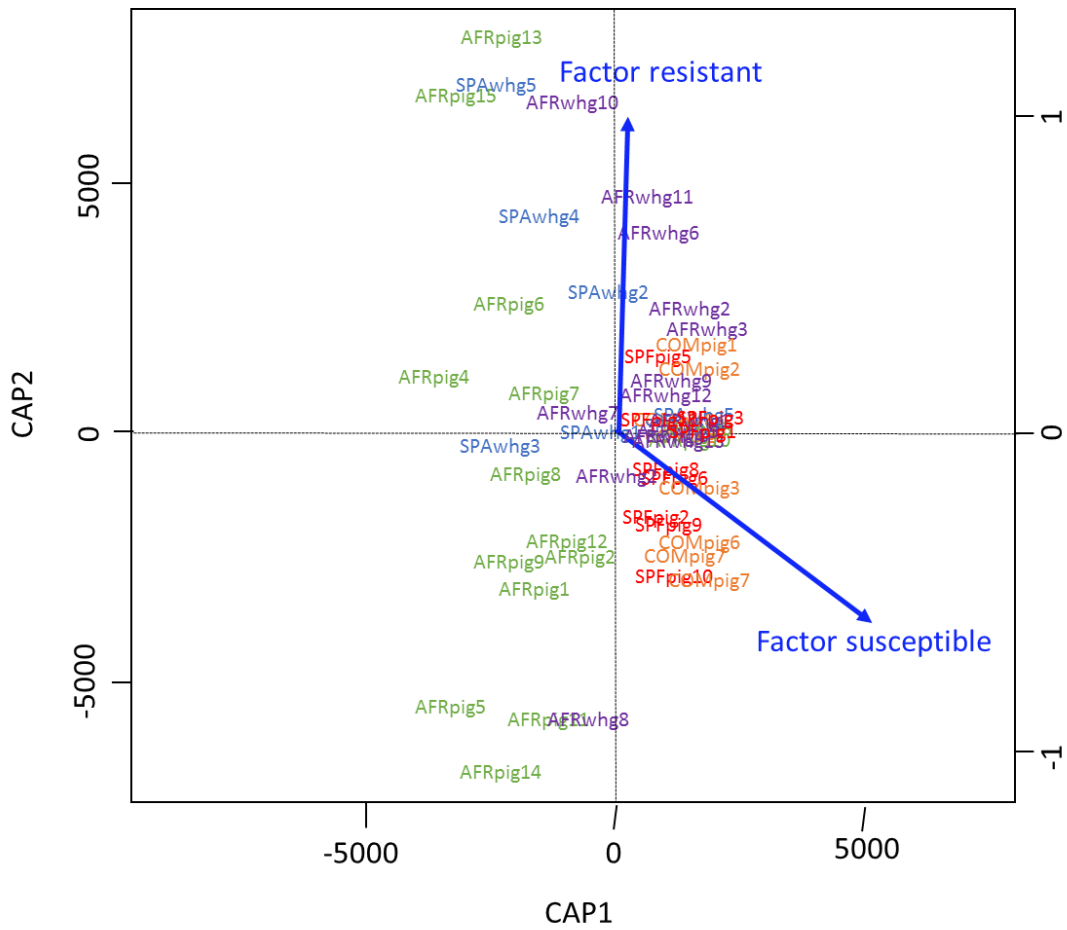
Supplementary Table S1. Number of sequences per sample obtained (input), after filtering (written), and the percentage representing the sequenced used for analysis.

Sample	total input seqs	seqs written	After filter %
AFRpig10.feces	418907	369928	88,31
AFRpig11.feces	500309	443674	88,68
AFRpig14.feces	435881	386843	88,75
AFRpig15.feces	142378	114343	80,31
AFRpig16.feces	310460	267392	86,13
AFRpig18.feces	493528	399358	80,92
AFRpig20.feces	489863	431064	88,00
AFRpig27.feces	474893	426578	89,83
AFRpig3.feces	406070	347170	85,50
AFRpig4.feces	470961	377729	80,20
AFRpig5.feces	82270	71023	86,33
AFRpig6.feces	538117	473535	88,00
AFRpig7.feces	588768	523022	88,83
AFRpig8.feces	395475	345918	87,47
AFRpig9.feces	419777	361560	86,13
AFRwarthog10.feces	268721	195885	72,90
AFRwarthog12.feces	303199	201770	66,55
AFRwarthog14.feces	292064	220736	75,58
AFRwarthog18.feces	338626	246500	72,79
AFRwarthog2.feces	217943	170973	78,45
AFRwarthog20.feces	282155	205415	72,80
AFRwarthog21.feces	417050	329852	79,09
AFRwarthog22.feces	254574	177244	69,62
AFRwarthog23.feces	208594	158619	76,04
AFRwarthog24.feces	172415	128391	74,47
AFRwarthog25.feces	176178	123559	70,13
AFRwarthog4.feces	155081	115185	74,27
AFRwarthog6.feces	143699	87849	61,13
AFRwarthog6.feces	81471	63927	78,47
AFRwarthog8.feces	36033	27348	75,90
COMPig.4feces	114703	102935	89,74
COMPig1.feces	89944	81661	90,79
COMPig2.feces	93801	85298	90,94
COMPig3.feces	102263	90913	88,90
COMPig5.feces	108482	97029	89,44
COMPig6.feces	110390	94215	85,35
COMPig7.feces	133835	115523	86,32
COMPig8.feces	49620	37087	74,74
COMPig9.feces	132296	115423	87,25
SPAwarthog1.feces	308901	273712	88,61
SPAwarthog2.feces	277310	243208	87,70
SPAwarthog3.feces	536462	477227	88,96
SPAwarthog4.feces	468062	399964	85,45
SPAwarthog5.feces	519725	463231	89,13
SPFpig1.feces	82067	75612	92,13
SPFpig10.feces	94754	85549	90,29
SPFpig11.feces	25334	21134	83,42
SPFpig2.feces	140975	128977	91,49
SPFpig3.feces	60673	51759	85,31

SPFpig4.feces	85008	78632	92,50
SPFpig5.feces	141002	132778	94,17
SPFpig6.feces	92840	85630	92,23
SPFpig7.feces	133499	123084	92,20
SPFpig8.feces	120182	108862	90,58
SPFpig9.feces	93153	83576	89,72

Supplementary Table S2. Alpha diversity and richness estimation through Shannon-Wiener and Chao indices respectively, among groups. Two-sample nonparametric t-test was used with Monte Carlo permutations to calculate the *P* values, using QIIME (vs 1.9)

Group1	Group2	Group1 mean	Group2 mean	t stat	p-value	Index
AFR warthog	SPF PIG	8.15958638316	7.00622552607	4.68015786575	0.01	shannon
AFR warthog	SPF PIG	7877.65596517	5669.45986177	4.22298680982	0.01	chao
AFR warthog	SPA warthog	7877.65596517	4307.2038146	5.92538258374	0.01	chao
AFR pig	SPA warthog	7273.3982936	4307.2038146	4.45959563909	0.01	chao
AFR pig	SPF PIG	7.77129596318	7.00622552607	3.2365382346	0.02	shannon
COM pig	SPA warthog	6755.55860122	4307.2038146	4.04425287565	0.03	chao
AFR pig	SPF PIG	7273.3982936	5669.45986177	2.92304082869	0.1	chao
COM pig	SPF PIG	7.84256613603	7.00622552607	2.7892995537	0.14	shannon
SPF PIG	SPA warthog	7.00622552607	8.05978885638	-2.9956550889	0.15	shannon
AFR pig	AFR warthog	7.77129596318	8.15958638316	-2.36019736483	0.2	shannon
COM pig	AFR warthog	6755.55860122	7877.65596517	-2.12441704608	0.46	chao
SPF PIG	SPA warthog	5669.45986177	4307.2038146	2.07312750473	0.61	chao
COM pig	SPF PIG	6755.55860122	5669.45986177	1.86757799539	0.9	chao
AFR warthog	SPA warthog	8.15958638316	8.05978885638	0.477680500336	1.0	shannon
COM pig	AFR pig	7.84256613603	7.77129596318	0.365790188425	1.0	shannon
COM pig	AFR warthog	7.84256613603	8.15958638316	-1.55339422393	1.0	shannon
COM pig	SPA warthog	7.84256613603	8.05978885638	-0.922258589567	1.0	shannon
AFR pig	SPA warthog	7.77129596318	8.05978885638	-1.45874866459	1.0	shannon
AFR pig	AFR warthog	7273.3982936	7877.65596517	-1.22181967554	1.0	chao
COM pig	AFR pig	6755.55860122	7273.3982936	-0.91988944818	1.0	chao



Supplementary Figure S3. Distance-based redundancy constrained analysis. The samples were divided in two groups: resistance warthogs (SPA and AFR) or susceptible pigs (SPF, COM and AFR) to explore the clustering.

Supplementary Table S4. Core OTUs found in each group analyzed (presence=1, absence=0)

<i>OTU</i>	COM pig CORE	SPF pig CORE	AFR warthog CORE	SPA warthog CORE
<i>Acetanaerobacterium</i>	1	0	1	1
<i>Acetivibrio</i>	1	1	0	1
<i>Acholeplasma</i>	0	0	0	1
<i>Acholeplasmataceae</i>	0	0	0	1
<i>Acholeplasmatales</i>	0	0	0	1
<i>Acidaminobacter</i>	1	0	0	1
<i>Acidaminococcaceae</i>	1	1	1	1
<i>Acinetobacter</i>	0	0	0	1
<i>Actinobacillus</i>	0	0	0	1
<i>Actinobacteria</i>	1	1	1	1
<i>Actinomycetales</i>	0	0	0	1
<i>Aeromonadales</i>	1	0	1	1
<i>Alcaligenaceae</i>	0	0	0	1
<i>Alistipes</i>	1	1	0	1
<i>Alloprevotella</i>	1	0	1	1
<i>Alphaproteobacteria</i>	0	0	0	1
<i>Anaerofustis</i>	0	0	1	0
<i>Anaerolineaceae</i>	0	0	1	0
<i>Anaerolineae</i>	0	0	1	0
<i>Anaerolineales</i>	0	0	1	0
<i>Anaerophaga</i>	0	0	0	1
<i>Anaeroplasma</i>	0	0	1	1
<i>Anaeroplasmataceae</i>	1	0	1	1
<i>Anaeroplasmatales</i>	1	0	1	1
<i>Anaerosporobacter</i>	0	1	0	1
<i>Anaerostipes</i>	0	0	0	1
<i>Anaerotruncus</i>	1	0	0	0
<i>Anaerovibrio</i>	1	0	1	1
<i>Anaerovorax</i>	1	0	1	1
<i>Asteroleplasma</i>	1	0	0	0

<i>Bacillaceae 1</i>	0	0	0	1
<i>Bacillales</i>	0	0	0	1
<i>Bacilli</i>	1	0	1	1
<i>Bacillus</i>	0	0	0	1
<i>Bacteroidaceae</i>	0	1	1	1
<i>Bacteroidales</i>	1	1	1	1
<i>Bacteroides</i>	0	1	1	1
<i>Bacteroidetes</i>	1	1	1	1
<i>Bacteroidia</i>	1	1	1	1
<i>Barnesiella</i>	1	1	1	1
<i>Bdellovibrionaceae</i>	1	1	0	1
<i>Bdellovibrionales</i>	1	1	0	1
<i>Betaproteobacteria</i>	1	1	1	1
<i>Bifidobacteriaceae</i>	0	0	0	1
<i>Bifidobacteriales</i>	0	0	0	1
<i>Bifidobacterium</i>	0	0	0	1
<i>Bilophila</i>	0	1	1	1
<i>Blautia</i>	1	1	1	1
<i>Bulleidia</i>	1	0	1	1
<i>Burkholderiales</i>	1	1	1	1
<i>Butyricoccus</i>	0	1	0	1
<i>Butyricimonas</i>	0	1	0	0
<i>Candidatus Saccharibacteria</i>	0	0	0	1
<i>Catonella</i>	0	0	1	0
<i>Cellulosibacter</i>	1	0	0	0
<i>Cellulosilyticum</i>	0	0	1	1
<i>Chitinophagaceae</i>	0	0	1	0
<i>Chloroflexi</i>	0	0	1	0
<i>Clostridia</i>	1	1	1	1
<i>Clostridiaceae 1</i>	1	1	1	1
<i>Clostridiales</i>	1	1	1	1
<i>Clostridiales_Incertae Sedis XII</i>	1	0	0	1
<i>Clostridiales_Incertae Sedis XIII</i>	1	1	1	1
<i>Clostridium III</i>	1	0	0	0

<i>Clostridium IV</i>	1	1	1	1
<i>Clostridium sensu stricto</i>	1	0	1	1
<i>Clostridium XI</i>	1	1	1	1
<i>Clostridium XIVa</i>	1	1	1	1
<i>Clostridium XIVb</i>	1	1	0	1
<i>Clostridium XVIII</i>	0	1	1	1
<i>Collinsella</i>	0	0	0	1
<i>Coprobacillus</i>	0	1	0	1
<i>Coprococcus</i>	1	1	1	1
<i>Coralimargarita</i>	0	0	0	1
<i>Coriobacteriaceae</i>	1	1	1	1
<i>Coriobacteriales</i>	1	1	1	1
<i>Corynebacteriaceae</i>	0	0	0	1
<i>Corynebacterium</i>	0	0	0	1
<i>Defluviitalea</i>	0	1	1	1
<i>Defluviitaleaceae</i>	0	1	1	1
<i>Deltaproteobacteria</i>	1	1	1	1
<i>Desulfovibrio</i>	1	1	0	1
<i>Desulfovibrionaceae</i>	1	1	1	1
<i>Desulfovibrionales</i>	1	1	1	1
<i>Dialister</i>	0	1	0	0
<i>Dorea</i>	1	1	1	1
<i>Eggerthella</i>	0	0	0	1
<i>Elusimicrobia</i>	0	0	0	1
<i>Elusimicrobiaceae</i>	0	0	0	1
<i>Elusimicrobiales</i>	0	0	0	1
<i>Elusimicrobium</i>	0	0	0	1
<i>Enterobacteriaceae</i>	0	1	0	1
<i>Enterobacteriales</i>	0	1	0	1
<i>Enterococcaceae</i>	0	0	0	1
<i>Enterococcus</i>	0	0	0	1
<i>Erysipelothrix</i>	0	0	1	1
<i>Erysipelotrichaceae</i>	1	1	1	1
<i>Erysipelotrichaceae_incertae_sedis</i>	0	1	0	1

<i>Erysipelotrichales</i>	1	1	1	1
<i>Erysipelotrichia</i>	1	1	1	1
<i>Escherichia/Shigella</i>	0	1	0	1
<i>Ethanoligenens</i>	1	0	0	1
<i>Eubacteriaceae</i>	1	1	1	1
<i>Eubacterium</i>	1	1	1	1
<i>Euryarchaeota</i>	1	0	0	1
<i>Faecalibacterium</i>	1	1	1	1
<i>Fibrobacter</i>	1	0	1	1
<i>Fibrobacteraceae</i>	1	0	1	1
<i>Fibrobacterales</i>	1	0	1	1
<i>Fibrobacteres</i>	1	0	1	1
<i>Fibrobacteria</i>	1	0	1	1
<i>Firmicutes</i>	1	1	1	1
<i>Flavobacteriaceae</i>	1	0	1	1
<i>Flavobacteriales</i>	1	0	1	1
<i>Flavobacteriia</i>	1	0	1	1
<i>Flavonifractor</i>	1	1	0	1
<i>Fusibacter</i>	0	0	0	1
<i>Gammaproteobacteria</i>	1	1	1	1
<i>Gemmiger</i>	1	0	0	1
<i>Gordonibacter</i>	0	1	0	1
<i>Gracilibacteraceae</i>	1	0	0	1
<i>Hallella</i>	1	0	0	1
<i>Holdemania</i>	1	0	1	1
<i>Hydrogenoanaerobacterium</i>	1	0	0	1
<i>Insolitispirillum</i>	0	0	0	1
<i>Lachmoanaerobaculum</i>	0	0	0	1
<i>Lachnospiracea_incertae_sedis</i>	1	1	1	1
<i>Lachnospiraceae</i>	1	1	1	1
<i>Lactobacillaceae</i>	1	0	0	1
<i>Lactobacillales</i>	1	0	1	1
<i>Lactobacillus</i>	1	0	0	1
<i>Lentisphaerae</i>	0	0	0	1

<i>Lentisphaeria</i>	0	0	0	1
<i>Lutispora</i>	1	0	0	1
<i>Lysinibacillus</i>	0	0	0	1
<i>Marinilabiaceae</i>	0	0	1	1
<i>Megamonas</i>	0	0	0	1
<i>Methanobacteria</i>	1	0	0	0
<i>Methanobacteriales</i>	1	0	0	0
<i>Methanobrevibacter</i>	1	0	0	0
<i>Microbacteriaceae</i>	0	0	0	1
<i>Mogibacterium</i>	0	0	0	1
<i>Mollicutes</i>	1	0	1	1
<i>Moraxella</i>	0	0	1	1
<i>Moraxellaceae</i>	0	0	1	1
<i>Mycoplasma</i>	0	0	0	1
<i>Mycoplasmataceae</i>	0	0	0	1
<i>Mycoplasmatales</i>	0	0	0	1
<i>Negativicutes</i>	1	1	1	1
<i>Opitutae</i>	0	0	0	1
<i>Oribacterium</i>	1	0	1	1
<i>Ornithobacterium</i>	0	0	0	1
<i>Oscillibacter</i>	1	1	1	1
<i>Oxalobacter</i>	0	0	1	0
<i>Oxalobacteraceae</i>	0	0	1	0
<i>Paludibacter</i>	0	0	1	1
<i>Papillibacter</i>	1	0	0	1
<i>Parabacteroides</i>	1	1	0	1
<i>Paraprevotella</i>	1	1	1	1
<i>Parasutterella</i>	0	1	0	0
<i>Pasteurellaceae</i>	0	0	0	1
<i>Pasteurellales</i>	0	0	0	1
<i>Pelistega</i>	0	0	0	1
<i>Pelospora</i>	0	0	0	1
<i>Peptococcaceae 1</i>	0	0	0	1
<i>Peptococcus</i>	0	0	0	1

<i>Peptostreptococcaceae</i>	1	1	1	1
<i>Petrimonas</i>	0	0	1	1
<i>Phascolarctobacterium</i>	1	1	1	1
<i>Planctomycetaceae</i>	1	0	1	1
<i>Planctomycetales</i>	1	0	1	1
<i>Planctomycetes</i>	1	0	1	1
<i>Planctomycetia</i>	1	0	1	1
<i>Planococcaceae</i>	0	0	0	1
<i>Planococcaceae_incertae_sedis</i>	0	0	0	1
<i>Porphyromonadaceae</i>	1	1	1	1
<i>Prevotella</i>	1	1	1	1
<i>Prevotellaceae</i>	1	1	1	1
<i>Propionibacteriaceae</i>	0	0	0	1
<i>Propionibacterium</i>	0	0	0	1
<i>Proteobacteria</i>	1	1	1	1
<i>Pseudobutyrvibrio</i>	1	1	1	1
<i>Pseudoflavonifractor</i>	1	0	1	1
<i>Pseudomonadaceae</i>	0	0	0	1
<i>Pseudomonadales</i>	0	0	1	1
<i>Pseudomonas</i>	0	0	0	1
<i>Psychrobacter</i>	0	0	0	1
<i>Puniceicoccaceae</i>	0	0	0	1
<i>Puniceicoccales</i>	0	0	0	1
<i>Pyramidobacter</i>	1	0	1	1
<i>Rhodospirillaceae</i>	0	0	0	1
<i>Rhodospirillales</i>	0	0	0	1
<i>Rikenellaceae</i>	1	1	0	1
<i>Roseburia</i>	1	1	1	1
<i>Ruminobacter</i>	0	0	0	1
<i>Ruminococcaceae</i>	1	1	1	1
<i>Ruminococcus</i>	1	1	1	1
<i>Ruminococcus2</i>	0	1	1	1
<i>Saccharibacteria_genera_incertae_sedis</i>	0	0	0	1
<i>Saccharofermentans</i>	0	0	1	0

<i>Schwartzia</i>	0	0	1	0
<i>Selenomonadales</i>	1	1	1	1
<i>Sharpea</i>	0	0	0	1
<i>Solibacillus</i>	0	0	0	1
<i>Sphaerochaeta</i>	1	0	1	1
<i>Sphingobacteriaceae</i>	1	0	1	0
<i>Sphingobacteriales</i>	1	0	1	0
<i>Sphingobacteriia</i>	1	0	1	0
<i>Spirochaetaceae</i>	1	0	1	1
<i>Spirochaetales</i>	1	0	1	1
<i>Spirochaetes</i>	1	0	1	1
<i>Spirochaetia</i>	1	0	1	1
<i>Sporobacter</i>	1	1	1	1
<i>Staphylococcaceae</i>	0	0	0	1
<i>Staphylococcus</i>	0	0	0	1
<i>Streptococcaceae</i>	0	0	1	1
<i>Streptococcus</i>	0	0	1	1
<i>Subdivision5</i>	1	0	1	1
<i>Subdivision5_genera_incertae_sedis</i>	1	0	1	1
<i>Succinivibrio</i>	1	0	1	1
<i>Succinivibrionaceae</i>	1	0	1	1
<i>Sutterella</i>	1	1	0	1
<i>Sutterellaceae</i>	1	1	0	1
<i>Synergistaceae</i>	1	0	1	1
<i>Synergistales</i>	1	0	1	1
<i>Synergistetes</i>	1	0	1	1
<i>Synergistia</i>	1	0	1	1
<i>Syntrophomonadaceae</i>	0	0	0	1
<i>Tenericutes</i>	1	0	1	1
<i>Thermogymnomonas</i>	1	0	0	1
<i>Thermoplasmata</i>	1	0	0	1
<i>Thermoplasmatales</i>	0	0	0	1
<i>Thermoplasmatales_incertae_sedis</i>	1	0	0	1
<i>ThermoplasmatalesMethanobacteriaceae</i>	1	0	0	0

<i>Treponema</i>	1	0	1	1
<i>Turicibacter</i>	1	1	0	1
<i>Ureaplasma</i>	0	0	0	1
<i>Vampirovibrio</i>	1	1	0	1
<i>Veillonella</i>	0	0	0	1
<i>Veillonellaceae</i>	1	1	1	1
<i>Verrucomicrobia</i>	1	0	1	1
<i>Victivallaceae</i>	0	0	0	1
<i>Victivallales</i>	0	0	0	1
<i>Victivallis</i>	0	0	0	1

Supplementary Table S5. Mean relative abundances of the OTUs found present in any of the five core group analysis

Domain	Phyla	Order	Class	Family	Genus	Mean SPF pig	Mean COM pig	Mean AFR pig	Mean AFR warthog g	Mean SPA warthog
Bacteria	Tenericutes	Mollicutes	Anaeroplasmatales	Anaeroplasmataceae	Anaeroplasma	0,002409865	0,000946029	0,000886768	0,00193538	0,011913663
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Cellulosilyticum	0,000155712	0,000388243	0,001875377	0,001997969	0,003928124
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Erysipelothrix	0	6,41854E-05	0,000939883	0,001107819	0,000130191
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Moraxella	7,04847E-07	0	1,13486E-05	0,0029372	6,06265E-05
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter	0	0,003622412	0,006583504	0,002872304	0,015553847
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Petrimonas	0	0	2,47612E-05	0,000903059	0,003815899
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	0,000835519	0,003901821	0,000569569	0,000339425	0,000919502
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiaceae		0	0,006976556	0,003899366	0,016124349	0,000817929
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae		0,000837265	0,00390489	0,000580204	0,000343252	0,000921974
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae		2,31218E-05	1,10643E-05	0,000212703	0,005778435	0,000196472
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales			2,70035E-05	1,59926E-05	0,000218613	0,005801325	0,000225991
Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Abiotrophia	7,04847E-07	2,50577E-06	1,76493E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Acaricomes	0	0	1,92724E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Acetanaerobacterium	0,026762041	0,009675083	0,00112781	0,001207151	0,004178715
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Acetitomaculum	4,81229E-05	1,16373E-05	2,99601E-05	1,59417E-05	4,87696E-06
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Acetivibrio	0,000990158	0,001873197	0,001677363	0,000594794	0,000769379

Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Acetoanaerobium	0	0	1,14011E-06	4,08149E-06	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acetobacter	0	0	9,27936E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	Acetobacterium	0	0	0	4,70618E-07	0
Bacteria	Tenericutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae	Acholeplasma	0,000522859	6,47658E-06	6,06724E-05	0,000126821	0,00804251
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Achromobacter	0	0	1,5026E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae_Sedis_XII	Acidaminobacter	0,00012998	0,000297145	0,001394139	6,88033E-05	4,5567E-05
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Acidaminococcaceae	Acidaminococcus	5,36781E-05	0,000103218	0,001142335	0,001169236	4,3175E-07
Bacteria	Actinobacteria	Actinobacteria	Acidimicrobiales	Acidimicrobinae"_incomplete_sedis	Aciditerrimonas	0	0	6,02309E-07	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acidocella	0	0	1,40916E-06	0	1,79097E-05
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Acidothermaceae	Acidothermus	0	0	1,76493E-07	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Acidovorax	1,99122E-06	0	1,09264E-06	4,17777E-07	1,46139E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	9,54688E-06	6,43171E-06	0,000175784	0,002775397	7,27491E-05
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Actinobacillus	6,18811E-05	3,00305E-06	6,14581E-05	2,39314E-05	0,000990666
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Actinobaculum	0	1,14513E-06	0	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Actinomyces	4,05959E-06	2,18398E-06	2,46445E-06	6,88238E-07	3,83677E-06
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Pseudonocardiaceae	Actinomycetospora	0	0	5,78172E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micromonosporaceae	Actinoplanes	0	0	3,6088E-07	0	0
Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Adhaeribacter	1,15613E-06	0	8,82467E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Coriobacteriales	Coriobacteriaceae	Adlercreutzia	4,00055E-05	0	1,17475E-05	0,000134094	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Advenella	0	0	3,5255E-07	3,29433E-06	1,50014E-06

Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae I	Aeribacillus	0	0	3,52987E-07	0	0
Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Aerococcus	1,08774E-06	0	5,53125E-05	3,22492E-05	1,36432E-05
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Nocardioideaceae	Aeromicrobium	0	0	1,80215E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas	7,38594E-07	0	1,80215E-07	4,18272E-06	0
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Aggregatibacter	0	0	3,43604E-06	0	8,22341E-07
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Agrococcus	0	0	1,84386E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Agromyces	0	0	1,54656E-07	0	0
Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Akkermansia	0,001670242	0,002448003	0,01036513	6,95456E-07	9,9488E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alishewanella	0	0	1,80215E-07	6,2012E-07	0
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae	Alistipes	0,027403396	0,000500772	0,000163167	6,29729E-06	0,000880643
Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	Alkalibacter	0	1,17934E-06	5,53159E-07	0	4,3175E-07
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Alkalibacterium	0	0	1,51678E-06	0	1,46139E-06
Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	Alkalibaculum	0	0	1,80215E-07	0	0
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiaceae	Alkaliflexus	0	0	3,56721E-07	3,47728E-07	0
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiliaceae	Alkalitalea	0	0	1,16074E-06	2,16547E-07	8,50838E-07
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Alkanindiges	8,35086E-07	0	1,58428E-06	1,51583E-06	0
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Allisonella	0	6,43443E-05	6,73241E-05	5,48676E-05	4,3175E-07
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum	1,15613E-06	0	8,84862E-07	1,80156E-06	0
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Alloiococcus	1,06165E-06	9,62643E-07	9,38663E-07	0	5,67671E-06
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	1,42144E-05	0,067259447	0,014888745	0,00820818	0,004091312

Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Altererythrobacter	1,15613E-06	0	6,70979E-07	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	Alysiella	0	0	4,89058E-07	0	1,43184E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Amaricoccus	0	0	8,47489E-07	0	0
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae 2	Amphibacillus	0	0	0	0	8,635E-07
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Anaeroarcus	0	0	0	7,0802E-07	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae 1	Anaerobacter	4,41335E-06	1,19633E-05	9,21187E-05	6,50071E-05	3,43366E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Succinivibrionaceae	Anaerobiospirillum	0	3,00472E-06	0	0,000680819	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae Sedis XI	Anaerococcus	7,11841E-05	4,40557E-05	4,7755E-06	1,39626E-05	1,10136E-05
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Anaerofilum	1,8958E-05	3,31082E-05	0,001328499	3,74322E-06	8,22341E-07
Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	Anaerofustis	9,19292E-06	8,52203E-05	2,26311E-05	0,001480234	8,80084E-06
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Anaeroglobus	1,08774E-06	0	1,78939E-06	0	0
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiaceae	Anaerophaga	0	0,006918874	0,003877434	0,003568019	0,000815997
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Anaerorhabdus	7,04847E-07	3,58084E-06	0,00028311	0,000665639	5,00045E-07
Bacteria	Firmicutes	Clostridia	Clostridiales	Incertae Sedis XI	Anaerosphaera	0	0	0	1,86036E-06	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae 1	Anaerosporobacter	0,000773948	0,000521201	0,000236617	0,000524648	0,000169202
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Anaerostipes	0,000528183	0,000270193	5,78693E-05	0,000240736	0,007491562
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Anaerotruncus	0,000814477	0,00071868	0,003005857	0,000127451	0,002135014
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Anaerovibrio	0	0,004330536	0,003136723	0,001769561	0,0023892
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae Sedis XIII	Anaerovorax	0,000678883	0,000543155	0,001098271	0,005374011	0,000562862
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae 1	Anoxybacillus	0	0	5,88364E-07	0	0

Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae 2	Anoxynatronum	0	1,14513E-06	3,32776E-07	1,0379E-06	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiales_incertae_sedis	Aquabacterium	0	0	0	1,88247E-06	8,22341E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Aquamicrobium	0	0	3,0768E-07	0	2,19209E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Aquicella	0	0	4,98644E-07	0	1,25726E-06
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Aquisphaera	0	0	1,53397E-06	2,89771E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Arcanobacterium	0	0	3,18177E-05	1,69937E-05	0
Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacteraceae	Archangium	0	0	3,52987E-07	0	0
Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Arcobacter	0	0	1,92724E-07	2,78394E-05	0
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Arcticibacter	0	0	0	4,23557E-06	0
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Arenimonas	0	0	1,56282E-07	0	0
Bacteria	Armatimonadetes	Armatimonadetes_gp4	Armatimonadetes_gp4	Armatimonadetes_gp4	Armatimonadetes_gp4	0	0	3,85448E-07	0	0
Bacteria	Armatimonadetes	Armatimonadetes_gp5	Armatimonadetes_gp5	Armatimonadetes_gp5	Armatimonadetes_gp5	0	0	4,56803E-07	2,16547E-07	0
Bacteria	Armatimonadetes	Armatimonadia	Armatimonadales	Armatimonadaceae	Armatimonas/Armatimonadetes_gp1	0	0	5,2948E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Arsenophonus	0	0	1,56282E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Arthrobacter	0	0	1,30032E-05	0,004071585	7,00995E-06
Bacteria	Actinobacteria	Actinobacteria	Coriobacteriales	Coriobacteriaceae	Asaccharobacter	0	0	0	3,5401E-07	0
Bacteria	Tenericutes	Mollicutes	Anaeroplasmatales	Anaeroplasmataceae	Asteroleplasma	1,36934E-06	0,000248052	2,74518E-05	0,000305253	1,67635E-06
Bacteria	Actinobacteria	Actinobacteria	Coriobacteriales	Coriobacteriaceae	Atopobium	0	1,22217E-06	8,56234E-07	3,47728E-07	0
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Atopostipes	0	0	1,80345E-06	9,35203E-07	1,33843E-05

<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Aurantimonadaceae</i>	<i>Aurantimonas</i>	0	0	4,52376 E-06	5,78093 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Aurantimonadaceae</i>	<i>Aureimonas</i>	0	0	3,22049 E-06	2,89771 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Alcaligenaceae</i>	<i>Azohydromonas</i>	0	0	1,72335 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Pseudomonadales</i>	<i>Pseudomonadaceae</i>	<i>Azorhizophilus</i>	0	0	1,72335 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Rhodospirillaceae</i>	<i>Azospirillum</i>	0	0	1,54656 E-07	0	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Bacillaceae I</i>	<i>Bacillus</i>	0	0	0,01413 9802	0,00247 612	0,003627 793
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Bdellovibrionales</i>	<i>Bacteriovoracaceae</i>	<i>Bacteriovorax</i>	0	0	0	0	4,11171E -06
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Bacteroidaceae</i>	<i>Bacteroides</i>	0,05184 3576	0,0120335 97	0,01998 306	0,00130 5522	0,028344 895
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Bradyrhizobiaceae</i>	<i>Balneimonas</i>	0	0	3,21591 E-07	0	0
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Porphyromonadaceae</i>	<i>Barnesiella</i>	0,00792 95	0,0261486 33	0,05301 9252	0,01285 846	0,011829 223
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Enterococcaceae</i>	<i>Bavariococcus</i>	0	0	1,92724 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Bdellovibrionales</i>	<i>Bdellovibrionaceae</i>	<i>Bdellovibrio</i>	1,06266 E-06	0	1,06298 E-06	5,78093 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Beijerinckiaceae</i>	<i>Beijerinckia</i>	0	0	2,13319 E-06	4,02996 E-07	4,11171E -06
<i>Bacteria</i>	<i>Chloroflexi</i>	<i>Anaerolineae</i>	<i>Anaerolineales</i>	<i>Anaerolineaceae</i>	<i>Bellilinea</i>	0	0	0	8,14961 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Acetobacteraceae</i>	<i>Belnapia</i>	0	0	3,31149 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Neisseriales</i>	<i>Neisseriaceae</i>	<i>Bergeriella</i>	0	0	0	0	1,46139E -06
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Flavobacteriia</i>	<i>Flavobacteriales</i>	<i>Flavobacteriaceae</i>	<i>Bergeyella</i>	0	0	0	5,04636 E-05	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Planococcaceae</i>	<i>Bhargavaea</i>	0	0	5,30892 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Pasteurellales</i>	<i>Pasteurellaceae</i>	<i>Bibersteinia</i>	0	0	3,52987 E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Bifidobacteriales</i>	<i>Bifidobacteriaceae</i>	<i>Bifidobacterium</i>	0	2,201E-05	0,00134 7169	0	0,000223 29

Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Bilophila	0,00032 2018	0,0001987 77	0,00019 513	0,00040 411	8,09122E -05
Bacteria	Acidobacteria	Acidobacteria_Gp4	Blastocatella	Blastocatella	Blastocatella	0	0	8,82467 E-07	6,49642 E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Geodermatophilaceae	Blastococcus	0	0	6,66021 E-07	1,24024 E-06	0
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Blastopirellula	1,15613 E-06	5,16562E- 06	1,7428E -05	2,16547 E-07	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Blautia	0,00408 1855	0,0014124 72	0,00097 3308	0,00096 0842	0,001524 311
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Bordetella	0	0	6,01042 E-07	0,00017 1604	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Bosea	1,06165 E-06	1,36064E- 06	1,12856 E-06	2,16547 E-07	5,00045E -07
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Dermabacteraceae	Brachybacterium	0	0	1,57647 E-05	2,16547 E-07	2,67644E -06
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Brachymonas	0	0	0	5,78093 E-07	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Bradyrhizobium	0	0	2,10514 E-06	1,44606 E-05	1,14072E -05
Bacteria	BRC1	BRC1_genera_incertae _sedis	BRC1_genera_incertae _sedis	BRC1_genera_incertae _sedis	BRC1_genera_in certae_sedis	0	0	0	2,16547 E-07	0
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae 1	Brevibacillus	0	0	1,76493 E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Brevibacteriaceae	Brevibacterium	3,42656 E-06	0	1,96173 E-06	6,2012E -07	5,98119E -06
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Brevundimonas	2,56583 E-06	0	1,5541E -06	1,00365 E-06	2,37538E -06
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Brochothrix	0	0	0	0	2,15875E -06
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Propionibacteriaceae	Brooklawnia	0	0	9,6362E -07	0	0
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Bulleidia	3,12573 E-06	0,0020457 83	0,00067 8475	0,00083 6796	0,000102 553
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Burkholderia	0	0	1,18051 E-06	2,89771 E-07	1,50014E -06
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Butyricoccus	0,00556 8386	0,0009204 45	0,00089 9393	0,00088 4279	0,003761 197
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Butyricimonas	0,00274 1497	4,66523E- 05	9,51575 E-05	5,46908 E-05	0,000166 455

Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Butyrivibrio	0	8,18694E-06	0,00030855	3,57345E-06	4,38417E-06
Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Polyangiaceae	Byssovorax	0	0	5,17006E-07	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Caenimonas	0	0	0	0	7,09936E-06
Bacteria	Chloroflexi	Caldilineae	Caldilineales	Caldilineaceae	Caldilinea	1,15613E-06	0	0	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Caldimonas	0	0	3,12565E-07	0	0
Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Campylobacteraceae	Campylobacter	1,41169E-05	0,003820261	0,0005449	0,008093497	5,87048E-05
Bacteria	Proteobacteria	Gammaproteobacteria	Candidatus Carsonella	Candidatus Carsonella	Candidatus Carsonella	9,43072E-06	2,60525E-06	1,48739E-06	0	0
Bacteria	Acidobacteria	Acidobacteria_Gp1	Candidatus Koribacter	Candidatus Koribacter	Candidatus Koribacter	0	0	1,92029E-07	6,2012E-07	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	1,67017E-06	0	0	0	2,00018E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	0	0	1,56282E-07	0	0
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Carnobacterium	0	0	1,27464E-07	0	3,454E-06
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Caryophanon	0	1,22217E-06	6,7923E-05	0,000523828	2,42821E-05
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Catellibacterium	0	0	1,92029E-07	0	0
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Catenibacterium	0	2,23061E-05	3,68772E-07	0,0008913	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Catonella	8,41608E-06	3,3697E-06	4,8974E-06	0,004276762	0
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Caulobacter	0	0	0	8,8341E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Cellulomonadaceae	Cellulomonas	0	0	1,10121E-06	1,01429E-06	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Cellulosibacter	0,000161548	0,000584094	0,00024638	1,5856E-05	3,11484E-05
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Promicromonosporaceae	Cellulosimicrobium	0	0	1,13133E-06	2,16547E-07	5,0482E-06
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Centipeda	0	0	4,50781E-07	0	0

Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceococcaceae	Cerasicoccus	0	2,52479E-06	7,08043E-07	1,1258E-06	1,68584E-06
Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae	Cesiribacter	0	0	1,27464E-07	0	0
Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Cetobacterium	0	0	3,52402E-05	0	4,06231E-05
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Chelatococcus	0	0	8,61676E-07	3,23593E-07	0
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Chelonobacter	0	0	4,98644E-07	0	0
Bacteria	Chlamydiae	Chlamydiia	Chlamydiales	Chlamydiaceae	Chlamydia	0	0,00069837	7,64786E-07	0,000768759	0
Bacteria	Chlamydiae	Chlamydiia	Chlamydiales	Chlamydiaceae	Chlamydomphila	0	0	0	2,16547E-07	0
Bacteria	Cyanobacteria/Chloroplast	Chloroplast	Chloroplast	Chloroplast	Chlorophyta	2,17548E-06	1,22217E-06	0	4,50315E-07	7,30695E-07
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Chryseobacterium	4,60748E-06	0	1,49143E-05	4,61763E-06	6,31162E-06
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Chryseomicrobium	1,06266E-06	0	5,11598E-06	6,49642E-07	0
Bacteria	Armatimonadetes	Chthonomonadetes	Chthonomonadales	Chthonomonadaceae	Chthonomonas/Armatimonadetes_gp3	0	0	2,8157E-07	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Citricella	0	0	5,76087E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Citricoccus	0	0	3,52987E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Citrobacter	5,22367E-06	2,44434E-06	0,00011959	4,8808E-06	1,15945E-05
Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Cloacibacillus	0	0,000206507	1,53944E-05	7,71787E-07	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Cloacibacterium	7,38594E-07	0	0	1,03831E-05	1,64468E-06
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae 3	Clostridiisalibacter	0	0	1,54656E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Clostridium III	0,000629549	0,00058693	0,00059249	4,98188E-06	4,59565E-05
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Clostridium IV	0,022132887	0,016273929	0,020885222	0,002763672	0,020615903

Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae I	Clostridium sensu stricto	0,000654546	0,001292071	0,004872062	0,003179614	0,001380002
Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Clostridium XI	0,003283809	0,00247612	0,002555779	0,005659529	0,018140686
Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Clostridium XIX	0	0	1,80399E-05	2,07796E-06	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Clostridium XIVa	0,037975199	0,048915641	0,078022258	0,070091924	0,064187634
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Clostridium XIVb	0,002114271	0,000863059	0,002317586	0,000288226	0,001015246
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Clostridium XVIII	0,003130837	0,000121553	0,00039206	0,00146352	0,000893301
Bacteria	Actinobacteria	Actinobacteria	Coriobacteriales	Coriobacteriaceae	Collinsella	3,65015E-05	1,66297E-05	4,84107E-05	0,000125809	6,98399E-05
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Comamonas	0	0	1,06372E-05	4,70618E-07	3,80978E-06
Bacteria	Actinobacteria	Actinobacteria	Solirubrobacterales	Conexibacteraceae	Conexibacter	1,15613E-06	0	8,44179E-07	0	0
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Coprobacillus	0,001452342	0,000233167	0,000232017	0,00012997	0,001189359
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Coproccoccus	0,008928015	0,004204126	0,001588002	0,002454789	0,001001681
Bacteria	Verrucomicrobia	Opitutae	Puniceococcales	Puniceicoccaceae	Coralimargarita	6,67592E-05	0,000307531	3,88577E-05	1,70017E-05	0,000248547
Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Myxococcaceae	Corallococcus	0	0	0	0	1,00009E-06
Bacteria	Actinobacteria	Actinobacteria	Coriobacteriales	Coriobacteriaceae	Coriobacterium	6,81966E-06	0	1,54656E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Corynebacteriaceae	Corynebacterium	1,86243E-05	2,5392E-05	6,46589E-05	8,69254E-06	0,000183527
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Cosenzaea	0	0	0	3,5401E-07	0
Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Coxiella	0	0	7,68116E-07	0,000110221	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Craurococcus	0	0	3,31149E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Cronobacter	0	0	4,40386E-05	0	1,82434E-05
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Cruoricaptor	0	1,08505E-05	1,19665E-05	1,03755E-05	4,19088E-07

Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Cupriavidus	0	0	1,54656E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Curtobacterium	0	0	7,47966E-07	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Curvibacter	0	0	9,38663E-07	0	7,46325E-06
Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacteraceae	Cystobacter	0	0	1,76493E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micromonosporaceae	Dactylosporangium	0	0	3,12565E-07	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Dechloromonas	0	0	1,56282E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Defluviitaleaceae	Defluviitalea	0,000757012	0,000140238	0,000139525	0,000918847	0,000154871
Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae 1	Dehalobacter	0	0	1,40785E-07	0	0
Bacteria	Deinococcus-Thermus	Deinococci	Deinococcales	Deinococcaceae	Deinococcus	3,4684E-06	0	1,80215E-07	4,70618E-07	8,635E-07
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Delftia	1,06266E-06	1,07943E-06	0	3,95755E-06	8,50671E-06
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Demequinaceae	Demequina	0	0	7,20861E-07	0	0
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Dendrosporobacter	0	0	0	1,20806E-06	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Dermacoccaceae	Dermacoccus	0	0	2,09912E-06	0	0
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Desemzia	0	0	4,50781E-07	3,24821E-06	0
Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobacteraceae	Desulfatitalea	0	3,25208E-06	2,08693E-05	3,23593E-07	0
Bacteria	Proteobacteria	Deltaproteobacteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	0	0	0	6,95456E-07	0
Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfomicrobiaceae	Desulfomicrobium	0	2,52479E-06	0	2,38682E-06	0
Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfohalobiaceae	Desulfovermiculus	0	0	5,2948E-07	0	0
Bacteria	Proteobacteria	Deltaproteobacteria	Desulfovibrionales	Desulfovibrionaceae	Desulfovibrio	0,000494569	0,002228649	0,002641559	0,00099132	0,001891364
Bacteria	Firmicutes	Clostridia	Clostridiales	Incertae Sedis XI	Dethiosulfatibacter	0	0	1,61593E-06	5,2161E-05	0

<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Hyphomicrobiaceae</i>	<i>Devosia</i>	0	0	9,8853E-06	1,69077E-06	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Negativicutes</i>	<i>Selenomonadales</i>	<i>Veillonellaceae</i>	<i>Dialister</i>	0,004166014	0,002024378	0,000729352	2,03534E-05	1,46139E-06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Dietziaceae</i>	<i>Dietzia</i>	1,07312E-05	9,61809E-07	3,2231E-05	1,23742E-06	2,07444E-05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Legionellales</i>	<i>Coxiellaceae</i>	<i>Diplorickettsia</i>	0	0	0	0	1,29525E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Xanthomonadales</i>	<i>Xanthomonadaceae</i>	<i>Dokdonella</i>	0	0	0	4,17777E-07	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Carnobacteriaceae</i>	<i>Dolosigranulum</i>	2,94302E-06	5,16903E-06	0	0	5,80361E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Rhodospirillaceae</i>	<i>Dongia</i>	0	0	2,84082E-06	0	5,32275E-06
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Dorea</i>	0,00114792	0,00087763	0,001033214	0,00111602	0,001553794
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Oxalobacteraceae</i>	<i>Duganella</i>	0	0	1,56282E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Xanthomonadales</i>	<i>Xanthomonadaceae</i>	<i>Dyella</i>	0	0	0	0	1,15571E-05
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Porphyromonadaceae</i>	<i>Dysgonomonas</i>	0	0	2,89086E-06	1,06203E-06	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Edaphobacter</i>	<i>Edaphobacter</i>	<i>Edaphobacter</i>	0	0	4,65595E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Coriobacteriales</i>	<i>Coriobacteriaceae</i>	<i>Eggerthella</i>	0	0	8,58518E-06	0,000122553	2,90426E-05
<i>Bacteria</i>	<i>Elusimicrobia</i>	<i>Elusimicrobia</i>	<i>Elusimicrobiales</i>	<i>Elusimicrobiaceae</i>	<i>Elusimicrobium</i>	0,006730554	0,001870505	0,000328789	0	0,008924486
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Flavobacteriia</i>	<i>Flavobacteriales</i>	<i>Flavobacteriaceae</i>	<i>Empedobacter</i>	0	0	5,71263E-06	0	5,00045E-07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Pseudomonadales</i>	<i>Moraxellaceae</i>	<i>Enhydrobacter</i>	1,2035E-05	4,63257E-06	1,47462E-05	8,43151E-06	7,13396E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Enterobacteriales</i>	<i>Enterobacteriaceae</i>	<i>Enterobacter</i>	6,8467E-07	2,40151E-06	0,000448837	9,31626E-06	5,22647E-05
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Enterococcaceae</i>	<i>Enterococcus</i>	5,05272E-06	1,30262E-06	2,30364E-05	1,49512E-06	0,000553352
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Coriobacteriales</i>	<i>Coriobacteriaceae</i>	<i>Enterorhabdus</i>	4,56347E-05	1,28947E-05	0,000581432	1,70568E-05	1,17942E-05
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Flavobacteriia</i>	<i>Flavobacteriales</i>	<i>Flavobacteriaceae</i>	<i>Epilithonimonas</i>	0	0	0	0	8,22341E-07

Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichaceae_incertae_sedis	0,002981668	0,00040828	0,00026959	0,000382323	0,000227416
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia/Shigella	0,000891106	0,00046004	0,027220755	0,00084495	0,002297988
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ethanoligenens	0,000589745	0,000616109	0,000496218	8,69854E-05	0,000653798
Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	Eubacterium	0,00282379	0,00401786	0,00761159	0,002586874	0,001832123
Bacteria	Actinobacteria	Actinobacteria	Euzebyales	Euzebyaceae	Euzebya	0	0	3,52987E-07	0	0
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillales_Incertae_Sedis_XII	Exiguobacterium	0	0	5,82297E-06	0	0
Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Facklamia	0	0	2,54835E-06	3,88729E-06	1,99107E-05
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Faecalibacterium	0,020893011	0,014153137	0,002024029	0,013052958	0,00246611
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae_1	Falsibacillus	0	0	6,19072E-06	0	1,727E-06
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Fastidiosipila	2,07419E-06	3,50262E-06	2,03609E-06	3,5401E-07	5,43731E-06
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Ferruginibacter	0	0	1,37772E-06	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae_1	Fervidicella	0	0	3,17688E-06	0	0
Bacteria	Fibrobacteres	Fibrobacteria	Fibrobacterales	Fibrobacteraceae	Fibrobacter	0	0,000746676	0,00226435	0,00128398	0,000893402
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae_Sedis_XI	Finegoldia	4,69713E-05	1,77562E-05	2,32134E-06	2,00574E-06	9,76735E-06
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Flavisolibacter	0	0	2,48547E-06	1,15619E-06	7,30695E-07
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Flavobacterium	1,15613E-06	0	2,48123E-06	1,27858E-06	7,64216E-06
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Flavonifractor	0,003022801	0,005291291	0,003955598	0,002171858	0,001563069
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Fluviicola	0	0	0	7,63737E-06	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Intrasporangiaceae	Fodinibacter	0	0	1,92724E-07	0	0

Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae 1	Fontibacillus	0	0	0	3,5401E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Propionibacteriaceae	Friedmanniella	0	0	6,2513E-07	3,64645E-07	0
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Fulvimonas	0	0	0	0	8,50838E-07
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae Sedis XII	Fusibacter	1,4002E-05	5,64495E-06	7,98416E-06	3,66202E-06	0,000265393
Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	7,04847E-07	4,88868E-06	0,000452002	6,30609E-05	1,4036E-05
Bacteria	Actinobacteria	Actinobacteria	Gaiellales	Gaiellaceae	Gaiella	0	0	2,32654E-06	1,74562E-06	2,02595E-06
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Galbibacter	0	2,10778E-06	3,04917E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Gallibacterium	0	0	0	0	7,45147E-06
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae Sedis XI	Gallicola	0	0	5,44817E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Bifidobacteriales	Bifidobacteriaceae	Gardnerella	0	0	0	0	4,3175E-07
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Gelidibacter	0	0	0	2,16547E-07	0
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillales_Incertae Sedis XI	Gemella	2,1233E-06	0	7,89213E-07	0	8,10378E-06
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Gemmata	0	0	7,94768E-07	0	4,38417E-06
Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	Gemmatimonas	0	0	6,20688E-06	2,12386E-06	8,22341E-07
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Gemmiger	0,001094628	0,002945363	0,000176864	0,003669146	9,31094E-05
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacteriales	Rhodobacteraceae	Gemmobacter	0	0	1,5026E-07	2,16547E-07	0
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae 1	Geobacillus	0	0	3,52987E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Geodermatophilaceae	Geodermatophilus	0	0	6,42088E-07	0	0
Bacteria	Proteobacteria	Deltaproteobacteria	Desulfuromonadales	Geobacteraceae	Geopsychrobacter	0	0	1,15357E-06	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Bogoriellaceae	Georgenia	0	0	6,67018E-07	0	0

Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae 4	Geosporobacter	0	0	1,76493E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Gibbsiella	0	0	1,0548E-06	2,89771E-07	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Gillisia	7,04847E-07	0	0	1,33681E-06	0
Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Globicatella	0	0	1,92724E-07	7,0802E-07	4,11171E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Gluconacetobacter	0	0	1,23725E-06	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Gluconobacter	0	0	9,88173E-06	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Nocardiaceae	Gordonia	0	0	2,24865E-06	0	2,71819E-05
Bacteria	Actinobacteria	Actinobacteria	Coriobacteriales	Coriobacteriaceae	Gordonibacter	0,000460489	1,30262E-06	0,000138141	0,00039377	3,48302E-05
Bacteria	Acidobacteria	Acidobacteria_Gp1	Gp1	Gp1	Gp1	0	0	9,37695E-07	0	0
Bacteria	Acidobacteria	Acidobacteria_Gp16	Gp16	Gp16	Gp16	0	0	1,10742E-06	0	8,635E-07
Bacteria	Acidobacteria	Acidobacteria_Gp2	Gp2	Gp2	Gp2	0	0	8,7086E-07	0	1,55733E-05
Bacteria	Acidobacteria	Acidobacteria_Gp3	Gp3	Gp3	Gp3	0	0	9,698E-07	5,56336E-07	0
Bacteria	Acidobacteria	Acidobacteria_Gp4	Gp4	Gp4	Gp4	6,51926E-06	0	2,17315E-06	8,46107E-07	0
Bacteria	Acidobacteria	Acidobacteria_Gp6	Gp6	Gp6	Gp6	2,31227E-06	0	5,80644E-06	0	0
Bacteria	Acidobacteria	Acidobacteria_Gp7	Gp7	Gp7	Gp7	0	0	7,53505E-07	4,50315E-07	0
Bacteria	Cyanobacteria/Chloroplast	Cyanobacteria	Family II	Family II	GpIIa	0	0	0	8,20773E-07	0
Bacteria	Cyanobacteria/Chloroplast	Cyanobacteria	Family XIII	Family XIII	GpXIII	0	0	1,56282E-07	4,33095E-07	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Gracilibacteraceae	Gracilibacter	2,59603E-05	1,67093E-05	9,852E-06	9,28636E-05	1,32239E-06
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Granulicatella	2,85524E-06	0	1,66935E-07	0	7,31443E-06
Bacteria	Acidobacteria	Acidobacteria_Gp1	Granulicella	Granulicella	Granulicella	0	0	0	5,78093E-07	0

Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae Sedis XII	Guggenheimella	0	0	3,25484E-06	5,19945E-06	2,46702E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Haemophilus	4,38971E-06	5,77586E-06	1,54534E-06	0	1,53906E-05
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprospiraceae	Haliscomenobacter	0	0	0	9,70778E-07	0
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Hallella	0,000580152	0,003428908	0,002163944	0,001035796	0,001789438
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae 2	Halobacillus	0	0	1,27464E-07	0	0
Bacteria	Tenericutes	Mollicutes	Haloplasmatales	Haloplasmataceae	Haloplasma	0	0	0	0	1,25726E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Hansschlegelia	0	0	0	5,56336E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Dermabacteraceae	Helcobacillus	0	0	1,80215E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae Sedis XI	Helcococcus	0	0	3,65559E-06	1,33681E-06	1,21019E-05
Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Helicobacter	8,35086E-07	0,000307359	0,000204999	0,000685216	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Herbaspirillum	7,38594E-07	0	0	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Hespellia	8,0461E-06	5,03056E-06	1,39726E-05	1,29351E-05	5,76153E-06
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Holdemania	8,48859E-06	0,000207762	0,00312098	0,009195056	0,001775065
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Howardella	0	0	1,14921E-05	1,73963E-06	3,09055E-06
Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Hydrogenimonaceae	Hydrogenimonas	0	0	1,80215E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Hydrogenoanaerobacterium	0,000507878	0,000317226	0,00053868	0,000140839	0,000334361
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Hydrogenophaga	0	0	1,56282E-07	0	0
Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Hymenobacter	0	0	1,5851E-06	1,19764E-06	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Hyphomicrobium	0	0	0	0	8,635E-07
Bacteria	Actinobacteria	Actinobacteria	Acidimicrobiales	Iamiaceae	Iamia	0	0	9,60051E-07	0	0

<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Acidimicrobiales</i>	<i>Acidimicrobiaceae</i>	<i>Ilumatobacter</i>	5,78067 E-06	0	5,82098 E-07	3,64645 E-07	1,46139E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Rhodospirillaceae</i>	<i>Insolitospirillum</i>	8,01297 E-05	0,0001523 12	4,55949 E-05	2,57674 E-05	0,000910 066
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Carnobacteriaceae</i>	<i>Isobaculum</i>	0	0	1,92029 E-07	0	4,62023E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Oxalobacteraceae</i>	<i>Janthinobacterium</i>	0	0	0	2,16547 E-07	1,00009E -06
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Planococcaceae</i>	<i>Jeotgalibacillus</i>	0	0	1,02325 E-06	9,208E- 06	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Staphylococcaceae</i>	<i>Jeotgalicoccus</i>	0	0	2,49322 E-07	0	4,38625E -06
<i>Bacteria</i>	<i>Synergistetes</i>	<i>Synergistia</i>	<i>Synergistales</i>	<i>Synergistaceae</i>	<i>Jonquetella</i>	0	1,36064E- 06	0	1,51567 E-06	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Rhizobiaceae</i>	<i>Kaistia</i>	0	1,30262E- 06	0	0	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Erysipelotrichia</i>	<i>Erysipelotrichales</i>	<i>Erysipelotrichaceae</i>	<i>Kandleria</i>	0	0	0,00053 0524	0,00021 5254	1,82418E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Alcaligenaceae</i>	<i>Kerstesia</i>	0	0	2,40417 E-06	4,70618 E-06	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Kiloniellales</i>	<i>Kiloniellaceae</i>	<i>Kiloniella</i>	0	0	0	2,20656 E-05	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Kineosporiaceae</i>	<i>Kineococcus</i>	0	0	7,3838E -07	5,56336 E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Kineosporiaceae</i>	<i>Kineosporia</i>	0	0	0	6,2012E -07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Neisseriales</i>	<i>Neisseriaceae</i>	<i>Kingella</i>	0	0	1,09398 E-06	1,25333 E-06	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Comamonadaceae</i>	<i>Kinneretia</i>	0	0	0	0	8,38176E -07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Enterobacteriales</i>	<i>Enterobacteriaceae</i>	<i>Klebsiella</i>	0	0	0,00020 0718	2,90311 E-05	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Micrococcaceae</i>	<i>Kocuria</i>	0	0	3,69217 E-07	1,08274 E-06	1,16245E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Myxococcales</i>	<i>Kofleriaceae</i>	<i>Kofleria</i>	0	0	3,12565 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Enterobacteriales</i>	<i>Enterobacteriaceae</i>	<i>Kosakonia</i>	0	0	2,32439 E-06	0	9,18743E -06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Nocardioideaceae</i>	<i>Kribbella</i>	0	0	0	2,89771 E-07	0

<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Planococcaceae</i>	<i>Kurthia</i>	0	2,72128E-06	3,18267E-05	3,0813E-06	2,59548E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Xanthobacteraceae</i>	<i>Labrys</i>	0	0	3,6043E-07	4,02996E-07	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Lachnoanaerobaculum</i>	0,000225738	0,000202376	0,000156694	9,78319E-05	9,64775E-05
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Lachnobacterium</i>	2,92063E-06	7,4032E-06	1,53938E-06	2,89878E-05	4,71505E-06
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Lachnospira</i>	3,06258E-05	5,58094E-05	1,31516E-05	5,02513E-05	5,73935E-05
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Lachnospiraceae_incertae_sedis</i>	0,027238906	0,037117376	0,04302749	0,019216133	0,022422667
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Lactobacillaceae</i>	<i>Lactobacillus</i>	5,3964E-05	0,004839212	0,012037922	0,000620451	0,000450592
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Streptococcaceae</i>	<i>Lactococcus</i>	1,06165E-06	0	7,25384E-06	3,5401E-07	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Lactonifactor</i>	4,27439E-05	7,05285E-05	0,000117616	9,44071E-05	2,52434E-05
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Streptococcaceae</i>	<i>Lactovum</i>	0	1,92362E-06	1,3919E-06	2,78601E-06	2,47217E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfovibrionales</i>	<i>Desulfovibrionaceae</i>	<i>Lawsonia</i>	0	0	0	4,17777E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Enterobacteriales</i>	<i>Enterobacteriaceae</i>	<i>Leclercia</i>	0	0	8,82715E-06	2,16547E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Legionellales</i>	<i>Legionellaceae</i>	<i>Legionella</i>	0	1,30262E-06	4,31831E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Microbacteriaceae</i>	<i>Leifsonia</i>	0	0	0	4,50315E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Enterobacteriales</i>	<i>Enterobacteriaceae</i>	<i>Lelliottia</i>	0	0	2,49322E-07	0	0
<i>Bacteria</i>	<i>Fusobacteria</i>	<i>Fusobacteriia</i>	<i>Fusobacteriales</i>	<i>Leptotrichiaceae</i>	<i>Leptotrichia</i>	1,06266E-06	2,10778E-06	3,90107E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Microbacteriaceae</i>	<i>Leucobacter</i>	0	0	3,07926E-06	0	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Leuconostocaceae</i>	<i>Leuconostoc</i>	0	3,82742E-06	3,92192E-06	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Burkholderiaceae</i>	<i>Limnobacter</i>	0	1,14513E-06	3,11916E-06	0	0
<i>Bacteria</i>	<i>Chloroflexi</i>	<i>Caldilineae</i>	<i>Caldilineales</i>	<i>Caldilineaceae</i>	<i>Litorilinea</i>	4,62453E-06	0	0	0	0

Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Lutaonella	0	0	1,92724E-07	0	2,00018E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Luteimonas	0	0	6,18539E-07	1,51583E-06	2,93361E-06
Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Luteolibacter	0	0	2,49322E-07	2,16547E-07	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Gracilibacteraceae	Lutispora	0,000632364	0,000528761	0,000511156	1,2221E-06	0,001658782
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Lysinibacillus	6,72584E-06	0,000174203	0,001958194	0,001460519	0,000377528
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Lysobacter	0	0	2,41604E-06	7,9464E-07	0
Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Macrococcus	0	0	1,26613E-06	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Macromonas	0	0	0	9,70778E-07	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Magnetospirillum	0	0	8,35085E-07	0	2,19209E-06
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiliaceae	Mangroviflexus	0	0	0	4,70618E-07	1,7192E-05
Bacteria	Bacteroidetes	Bacteroidetes"_incertae_sedis	Marinifilum	Marinifilum	Marinifilum	0	0	0	0	4,3175E-07
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Nocardoidaceae	Marmoricola	4,62453E-06	0	4,08185E-06	1,7576E-06	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Marvinbryantia	0	9,62643E-07	3,68667E-06	1,41604E-06	4,3175E-07
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Massilia	0	2,88793E-06	2,01687E-06	2,83424E-06	3,37168E-06
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Megamonas	0	0	2,38598E-06	0	4,70771E-05
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Megasphaera	4,54875E-05	0,000325454	0,004780706	0,000500667	9,90526E-06
Bacteria	Deinococcus-Thermus	Deinococci	Thermales	Thermaceae	Meiothermus	0	0	0	0	2,15875E-06
Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Cystobacteraceae	Melittangium	0	0	0	5,79542E-07	0
Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Meniscus	1,36934E-06	1,07943E-06	2,63812E-06	3,76789E-05	4,19088E-07
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Mesorhizobium	0	0	1,0597E-06	1,66107E-06	7,30943E-06

Archaea	Euryarchaeota	Methanobacteria	Methanobacteriales	Methanobacteriaceae	Methanobrevibacter	0	0,001601267	0,00532259	0,000189169	1,30821E-05
Archaea	Euryarchaeota	Methanobacteria	Methanobacteriales	Methanobacteriaceae	Methanosphaera	0	0,000208958	7,67577E-07	3,03151E-05	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiales_incertae_sedis	Methylibium	0	0	1,29333E-06	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylobacteriaceae	Methylobacterium	0	0	1,78684E-05	2,36234E-06	5,06704E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Methylocystis	0	0	4,59573E-07	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Methylophilales	Methylophilaceae	Methylophilus	0	0	7,74293E-06	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylorosula	0	0	1,56282E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Microbacterium	1,82634E-06	1,17934E-06	5,71616E-06	2,82371E-06	3,42868E-06
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Microcella	0	1,30262E-06	3,32594E-06	1,15175E-06	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Micrococcus	4,98125E-06	2,14198E-06	2,56681E-05	1,27858E-06	2,59695E-05
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylobacteriaceae	Microvirga	0	0	3,27279E-06	0	4,19088E-07
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Nocardiaceae	Millisia	0	0	1,72201E-06	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Beutenbergiaceae	Miniimonas	0	0	1,92724E-07	0	0
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Mitsuokella	6,8467E-07	0,000955482	0,003174335	0,000325221	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Mobiluncus	0	0	2,41536E-06	1,56383E-06	4,19088E-07
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Geodermatophilaceae	Modestobacter	0	0	0	2,16547E-07	8,635E-07
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae_Sedis_XIII	Mogibacterium	4,84839E-05	9,73031E-05	0,000136971	5,84953E-05	0,00014638
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Moheibacter	0	0	0	4,33095E-07	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Moryella	0	0	5,08833E-07	0	0
Bacteria	Deferribacteres	Deferribacteres	Deferribacterales	Deferribacteraceae	Mucispirillum	0	5,59831E-05	5,09107E-05	0,000582846	0

<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Incertae Sedis XI</i>	<i>Murdochiella</i>	0	0	1,98276 E-06	3,33417 E-06	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Microbacteriaceae</i>	<i>Mycetocola</i>	0	0	0	4,17777 E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Mycobacteriaceae</i>	<i>Mycobacterium</i>	0	0	3,02927 E-06	6,09384 E-06	1,64468E-06
<i>Bacteria</i>	<i>Tenericutes</i>	<i>Mollicutes</i>	<i>Mycoplasmatales</i>	<i>Mycoplasmataceae</i>	<i>Mycoplasma</i>	7,38594 E-07	0	5,80791 E-05	7,10103 E-05	0,000388 092
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Nakamurellaceae</i>	<i>Nakamurella</i>	0	0	4,67221 E-07	4,02996 E-07	4,3175E-07
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Natranaerovirga</i>	<i>Natranaerovirga</i>	0	0	1,22257 E-06	3,23593 E-07	8,635E-07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Oxalobacteraceae</i>	<i>Naxibacter</i>	0	0	5,21164 E-07	0	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Negativicutes</i>	<i>Selenomonadales</i>	<i>Veillonellaceae</i>	<i>Negativicoccus</i>	5,3893E-06	0	0	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Neisseriales</i>	<i>Neisseriaceae</i>	<i>Neisseria</i>	2,80998 E-06	3,32911E-06	0,00016 9436	5,88337 E-06	4,6173E-05
<i>Bacteria</i>	<i>Chlamydiae</i>	<i>Chlamydiia</i>	<i>Chlamydiales</i>	<i>Parachlamydiaceae</i>	<i>Neochlamydia</i>	0	0	5,32654 E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Micrococcaceae</i>	<i>Nesterenkonia</i>	0	0	8,85156 E-07	6,49642 E-07	1,24143E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Pasteurellales</i>	<i>Pasteurellaceae</i>	<i>Nicoletella</i>	0	0	0	0	8,95084E-06
<i>Bacteria</i>	<i>Nitrospirae</i>	<i>Nitrospira</i>	<i>Nitrospirales</i>	<i>Nitrospiraceae</i>	<i>Nitrospira</i>	0	0	2,1459E-06	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Nocardioidaceae</i>	<i>Nocardioides</i>	1,15613 E-06	0	7,41419 E-06	3,70531 E-06	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Staphylococcaceae</i>	<i>Nosocomiicoccus</i>	0	0	0	0	5,00045E-07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Sphingomonadales</i>	<i>Sphingomonadaceae</i>	<i>Novosphingobium</i>	3,4684E-06	0	3,85009 E-06	1,05016 E-06	4,72121E-06
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Sphingobacteriia</i>	<i>Sphingobacteriales</i>	<i>Sphingobacteriaceae</i>	<i>Nubsella</i>	0	0	0	0	4,80731E-06
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Bacillaceae 2</i>	<i>Oceanobacillus</i>	0	0	0	2,16547 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Brucellaceae</i>	<i>Ochrobactrum</i>	8,20734 E-06	1,07943E-06	3,99582 E-07	4,03688 E-06	6,30366E-06
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Porphyromonadaceae</i>	<i>Odoribacter</i>	0	0	1,36659 E-06	0	3,36188E-05

Bacteria	Bacteroidetes	Bacteroidetes"_incertae_sedis	Ohtaekwangia	Ohtaekwangia	Ohtaekwangia	2,31227E-06	0	1,05189E-06	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Okibacterium	0	0	0	0	2,00018E-06
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Oligella	0	0	6,2513E-07	0	2,92278E-06
Bacteria	Lentisphaerae	Oligosphaeria	Oligosphaerales	Oligosphaeraceae	Oligosphaera	0	5,69725E-06	2,11151E-06	2,77339E-06	0
Bacteria	Actinobacteria	Actinobacteria	Coriobacteriales	Coriobacteriaceae	Olsenella	0,000152091	3,62157E-05	0,000351396	8,65292E-05	5,46609E-05
Bacteria	Verrucomicrobia	Opitutae	Opitiales	Opitutaceae	Opitutus	1,15613E-06	0	5,78172E-07	0	1,00009E-06
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Oribacterium	0	0,000506462	0,000663296	0,005912754	0,000606877
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Intrasporangiaceae	Ornithiniccoccus	0	0	0	0	1,64468E-06
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Intrasporangiaceae	Ornithinimicrobium	2,31227E-06	0	0,000134128	1,01119E-06	1,727E-06
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Ornithobacterium	1,36934E-06	0,001895087	0,003260714	7,18769E-05	0,00706337
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Oscillibacter	0,046339027	0,032909507	0,02158873	0,009584477	0,006200557
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Otariodibacter	0	0	0	6,77603E-07	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Owenweeksia	0	0	0	3,32093E-06	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Oxalicibacterium	0	0	1,56282E-07	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Oxalobacter	2,05401E-06	0,001337466	0,001264246	0,001195954	1,24143E-06
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae 2	Oxalophagus	0	1,36064E-06	2,49322E-07	0	0
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae 1	Paenibacillus	0	0	1,06982E-06	2,17747E-05	0
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Paenisporosarcina	0	0	0	6,06333E-06	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pantoea	0	0	1,5026E-07	0	1,46139E-06
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Papillibacter	0,002439223	0,000960806	0,004550016	0,00039259	0,002213555

<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Porphyromonadaceae</i>	<i>Parabacteroides</i>	0,00539 5332	0,0043886 71	0,00143 434	0,00015 6735	0,003166 421
<i>Bacteria</i>	<i>Chlamydiae</i>	<i>Chlamydiia</i>	<i>Chlamydiales</i>	<i>Parachlamydiaceae</i>	<i>Parachlamydia</i>	0	0	1,68908 E-06	0	1,25726E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodobacterales</i>	<i>Rhodobacteraceae</i>	<i>Paracoccus</i>	4,30156 E-06	1,30262E- 06	1,169E- 05	6,66863 E-07	7,65925E -06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Coriobacteriales</i>	<i>Coriobacteriaceae</i>	<i>Paraeggerthella</i>	0	1,56077E- 05	3,21033 E-05	1,58223 E-05	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Lactobacillaceae</i>	<i>Paralactobacillus</i>	1,15613 E-06	4,96498E- 05	0,00010 6256	4,70618 E-07	0
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Sphingobacteriia</i>	<i>Sphingobacteriales</i>	<i>Sphingobacteriaceae</i>	<i>Parapedobacter</i>	0	0	7,03925 E-07	0	1,46139E -06
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Prevotellaceae</i>	<i>Paraprevotella</i>	0,01186 8633	0,0111421 06	0,00716 48	0,03032 8039	0,016493 814
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Sphingobacteriia</i>	<i>Sphingobacteriales</i>	<i>Chitinophagaceae</i>	<i>Parasegetibacter</i>	0	0	0	9,00631 E-06	1,29525E -06
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Parasporobacterium</i>	3,79669 E-05	2,32361E- 05	3,58116 E-05	1,87918 E-05	5,70204E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Sutterellaceae</i>	<i>Parasutterella</i>	0,00142 9451	6,51723E- 05	1,21803 E-05	2,50666 E-06	2,15206E -05
<i>Bacteria</i>	<i>Parcubacteria</i>	<i>Parcubacteria_genera_incertae_sedis</i>	<i>Parcubacteria_genera_incertae_sedis</i>	<i>Parcubacteria_genera_incertae_sedis</i>	<i>Parcubacteria_genera_incertae_sedis</i>	0	0	6,24915 E-07	4,02996 E-07	5,61184E -06
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiales_Incertae_Sedis_XI</i>	<i>Parvimonas</i>	0	0	3,2444E -06	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Pasteurellales</i>	<i>Pasteurellaceae</i>	<i>Pasteurella</i>	0	0	2,99959 E-05	3,46845 E-06	2,08464E -05
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Solirubrobacterales</i>	<i>Patulibacteraceae</i>	<i>Patulibacter</i>	0	0	0	6,2012E -07	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Bacillaceae 2</i>	<i>Paucislibacillus</i>	0	0	1,76493 E-07	2,16547 E-07	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Lactobacillaceae</i>	<i>Pediococcus</i>	0	2,3673E- 06	2,8157E -07	0	2,5905E- 06
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Sphingobacteriia</i>	<i>Sphingobacteriales</i>	<i>Sphingobacteriaceae</i>	<i>Pedobacter</i>	0	0	0	6,49642 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Hyphomicrobiaceae</i>	<i>Pedomicrobium</i>	0	0	5,61887 E-07	0	5,00045E -07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Hyphomicrobiaceae</i>	<i>Pelagibacterium</i>	0	0	1,40785 E-07	0	0

Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Pelistega	0	0	3,39678E-06	0	2,65414E-05
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Pelomonas	2,95738E-06	2,44434E-06	7,3337E-07	0	1,70561E-05
Bacteria	Firmicutes	Clostridia	Clostridiales	Syntrophomonadaceae	Pelospora	1,35932E-05	4,54903E-06	3,14114E-05	2,7973E-05	1,92161E-05
Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae 1	Peptococcus	0,000225542	0,000130471	0,000535722	0,000390157	0,001385708
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae_Sedis XI	Peptoniphilus	3,46841E-06	6,52626E-06	2,20799E-06	1,44077E-06	4,3175E-07
Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Peptostreptococcaceae_incertae_sedis	0	0	1,80215E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Peptostreptococcus	0	0	4,40675E-06	6,33659E-06	0
Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bacteriovoracaceae	Peredibacter	0	0	1,66935E-07	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Phaeovibrio	0	0	0	0	1,55304E-06
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Acidaminococcaceae	Phascolarctobacterium	0,010622926	0,032554284	0,0165529	0,049107779	0,004919848
Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Phaselicytidaceae	Phaselicystis	0	0	1,29646E-06	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Phenyllobacterium	0	0	5,96312E-07	0	1,54673E-05
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidales"_incertae_sedis	Phocaeicola	0	0	1,12067E-06	6,37546E-05	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Intrasporangiaceae	Phycococcus	0	0	3,34871E-07	0	2,15875E-06
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Pigmentiphaga	0	0	0	1,0521E-06	0
Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Pilibacter	6,8467E-07	1,49798E-05	1,92029E-07	0	0
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Pirellula	0	0	6,35107E-07	1,56705E-05	8,50838E-07
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Planctomyces	0	0	2,38872E-06	4,70618E-07	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Planobacterium	0	0	3,62381E-06	1,61796E-06	0

Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Planococcaceae_ incertae_sedis	0	0,0001173 28	0,00045 1764	0,00090 1557	6,94775E -05
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Planococcus	0	0	1,40785 E-07	6,49642 E-07	0
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Planomicrobium	0	0	2,5833E -06	6,71297 E-06	8,22341E -06
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pluralibacter	0	0	2,34959 E-06	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Polynucleobacter	0	0	0	1,41186 E-06	0
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae 2	Pontibacillus	0	0	4,35274 E-06	5,43065 E-06	1,75731E -06
Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Pontibacter	0	0	1,05896 E-06	4,50315 E-07	1,50014E -06
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Ponticaulis	0	0	0	3,47728 E-07	0
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Porphyrobacter	1,15613 E-06	0	0	1,29928 E-06	8,635E- 07
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	0	0	0,00017 2284	0,00024 3151	1,30425E -05
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	0,16021 4152	0,1510314 22	0,09891 2159	0,10080 9421	0,073382 862
Bacteria	Bacteroidetes	Bacteroidetes"_ incertae_sedis	Prolixibacter	Prolixibacter	Prolixibacter	0	1,4956E- 05	4,60037 E-06	1,47076 E-05	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Promicromonosporacea e	Promicromonosp ora	0	0	0	3,47728 E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Propionibacteriaceae	Propionibacteriu m	2,57095 E-05	2,4028E- 05	6,17395 E-06	3,04602 E-05	8,08753E -05
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Propionibacteriaceae	Propionicimonas	0	0	1,76228 E-05	0	0
Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Propionigenium	0	0	0	1,12532 E-06	0
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Propionispira	8,35086 E-07	0	0	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae 1	Proteiniclasticu m	1,15613 E-06	0	7,98767 E-07	1,24024 E-06	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Proteus	0	0	3,6043E -07	0	0
Bacteria	Proteobacteria	Deltaproteobacteria	Myxococcales	Nannocystaceae	Pseudenhygromy xa	0	0	1,27464 E-07	0	0

Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Pseudobutyrvibr io	0,00241 6588	0,0020373 05	0,00311 1477	0,00607 3297	0,001234 327
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Pseudochroactr um	0	0	7,60094 E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Pseudoflavonifra ctor	0,00118 9221	0,0005840 21	0,00182 829	0,00025 9868	0,000393 78
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Pseudolabrys	0	0	6,5546E -07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	3,8817E -06	4,92833E- 06	5,04033 E-06	2,18081 E-05	2,80583E -05
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Pseudonocardiaceae	Pseudonocardia	0	0	1,54097 E-06	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae	Pseudoramibacte r	0	0	3,01381 E-06	0	0
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Pseudosphingob acterium	6,8467E -07	0,0001008 91	4,02944 E-05	1,24192 E-05	0
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Pseudoxanthomo nas	0	0	2,49322 E-07	0	0
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Psychrobacillus	0	3,80498E- 06	9,74464 E-06	1,38383 E-05	1,71434E -06
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	0	0	6,06416 E-06	1,29928 E-06	5,59621E -05
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Psychrosinus	0	9,61809E- 07	0	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Alcaligenaceae	Pusillimonas	0	0	6,4447E -07	0	0
Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Pyramidobacter	6,8467E -07	0,0007767 05	2,57951 E-05	0,00059 5541	0,001765 256
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Kineosporiaceae	Quadrisphaera	0	0	1,3714E -06	0	0
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Burkholderiaceae	Ralstonia	0	0	5,24138 E-06	0	1,91397E -05
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Ramlibacter	0	0	1,56282 E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Raoultella	0	0	9,20301 E-07	3,64645 E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Rathayibacter	8,35086 E-07	0	1,67884 E-06	6,66863 E-07	1,06904E -05
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Renibacterium	1,86098 E-06	0	3,52987 E-07	0	1,727E- 06

<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Rhizobiaceae</i>	<i>Rhizobium</i>	5,31328 E-06	2,38205E- 06	2,58125 E-05	6,63572 E-06	9,31254E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Alphaproteobacteria _incertae_sedis</i>	<i>Rhizomicrobium</i>	<i>Rhizomicrobium</i>	0	0	5,83041 E-07	0	8,38176E -07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodobacterales</i>	<i>Rhodobacteraceae</i>	<i>Rhodobacter</i>	0	0	1,80215 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Rhodospirillaceae</i>	<i>Rhodocista</i>	0	0	0	0	7,30695E -07
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Nocardiaceae</i>	<i>Rhodococcus</i>	2,12431 E-06	1,14513E- 06	4,40306 E-06	0	5,80542E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Rhodobiaceae</i>	<i>Rhodoligotropho s</i>	0	0	1,56282 E-07	0	0
<i>Bacteria</i>	<i>Planctomycetes</i>	<i>Planctomycetia</i>	<i>Planctomycetales</i>	<i>Planctomycetaceae</i>	<i>Rhodopirellula</i>	2,31227 E-06	0	6,6027E -07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Bradyrhizobiaceae</i>	<i>Rhodopseudomo nas</i>	0	0	1,40785 E-07	0	7,30695E -07
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Rikenellaceae</i>	<i>Rikenella</i>	4,83626 E-06	0	3,68772 E-07	0	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Robinsoniella</i>	0,00012 7883	0,0001700 83	0,00024 9852	0,00020 7358	8,70955E -05
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Roseburia</i>	0,02546 087	0,0111953 29	0,00537 7641	0,03547 226	0,013954 853
<i>Bacteria</i>	<i>Chloroflexi</i>	<i>Chloroflexia</i>	<i>Chloroflexales</i>	<i>Chloroflexaceae</i>	<i>Roseiflexus</i>	0	0	3,52987 E-07	0	4,3175E- 07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Acetobacteraceae</i>	<i>Roseococcus</i>	0	0	4,63968 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Acetobacteraceae</i>	<i>Roseomonas</i>	2,24478 E-06	1,22217E- 06	1,48982 E-06	4,33095 E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Micrococcaceae</i>	<i>Rothia</i>	7,30624 E-06	3,06875E- 06	4,64971 E-06	7,81229 E-05	1,38854E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodobacterales</i>	<i>Rhodobacteraceae</i>	<i>Rubellimicrobiu m</i>	0	0	1,32614 E-06	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Rubrobacterales</i>	<i>Rubrobacteraceae</i>	<i>Rubrobacter</i>	1,08774 E-06	1,30262E- 06	1,61254 E-06	3,3313E -06	1,84938E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Aeromonadales</i>	<i>Succinivibrionaceae</i>	<i>Ruminobacter</i>	8,35086 E-07	4,11475E- 05	4,9597E -05	1,17028 E-05	0,000983 056
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Ruminococcaceae</i>	<i>Ruminococcus</i>	0,03843 0075	0,0232398 13	0,01332 0976	0,01884 9797	0,043513 43
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Ruminococcus2</i>	0,00642 9844	0,0015594 96	0,00159 7831	0,00106 1375	0,000830 592

Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Rummeliibacillus	2,21879 E-06	0,0132308 5	0,00111 0872	1,64701 E-06	0
Bacteria	Candidatus Saccharibacteria	Saccharibacteria_genera_incertae_sedis	Saccharibacteria_genera_incertae_sedis	Saccharibacteria_genera_incertae_sedis	Saccharibacteria_genera_incertae_sedis	1,99122 E-06	7,69525E- 05	0,00053 016	0,00220 4092	0,000102 494
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Saccharofermentans	7,74183 E-05	8,2906E- 05	0,00027 8311	0,01244 7607	7,41021E -06
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Rhodothermaceae	Salinibacter	1,15613 E-06	0	0	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Microbacteriaceae	Salinibacterium	0	9,61809E- 07	0	0	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Salinimicrobium	0	0	0	8,66189 E-07	1,00009E -06
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae 2	Salirhabdus	0	0	1,76493 E-07	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sandarakinorhabdus	0	0	0	4,33095 E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Sanguibacteraceae	Sanguibacter	0	0	0	9,00631 E-07	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae 1	Sarcina	9,11237 E-06	1,93673E- 05	0,00012 0091	2,10898 E-05	5,59336E -05
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Schlesneria	0	1,22217E- 06	8,62017 E-07	1,56896 E-05	0
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Schwartzia	0	0,0001405 37	0,00041 2857	0,00103 94	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_Incertae_Sedis XI	Sedimentibacter	0	0	0,00011 5639	0	0
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae	Sediminibacterium	0	0	2,8873E -06	5,79542 E-07	2,46169E -05
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Selenomonas	0	0,0002070 74	0,00119 2356	0,00136 7257	2,5905E- 06
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Serpens	0	0	3,4467E -07	0	1,46139E -06
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Sharpea	0	2,60525E- 06	0,00085 3838	2,30087 E-06	5,02533E -05
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	0	0	0	8,35554 E-07	0
Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Shinella	0	0	3,00521 E-07	0	8,635E- 07

Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Shuttleworthia	1,89674E-06	2,88793E-06	1,27151E-05	9,7943E-06	0
Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	Simonsiella	0	0	0	0	8,635E-07
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Singulisphaera	0	0	3,09312E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Sinomonas	0	0	1,76493E-07	2,70477E-05	0
Bacteria	Actinobacteria	Actinobacteria	Coriobacteriales	Coriobacteriaceae	Slackia	0	2,31304E-05	0,000103075	4,79966E-05	1,13966E-05
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Solibacillus	0	5,16562E-06	0,000849774	0,00101013	0,001126393
Bacteria	Actinobacteria	Actinobacteria	Solirubrobacterales	Solirubrobacteraceae	Solirubrobacter	0	0	2,42555E-06	1,13443E-06	0
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Solitaea	0	0	0	5,56507E-06	0
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Solobacterium	0	0	1,44352E-06	0	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Soonwooa	1,75639E-06	9,62643E-07	0	0	0
Bacteria	Verrucomicrobia	Spartobacteria	Spartobacteria_genera_incertae_sedis	Spartobacteria_genera_incertae_sedis	Spartobacteria_genera_incertae_sedis	2,31227E-06	0	2,32559E-06	4,0574E-06	1,32809E-05
Bacteria	Chloroflexi	Thermomicrobia	Sphaerobacterales	Sphaerobacteraceae	Sphaerobacter	3,4684E-06	0	1,36342E-05	2,16547E-07	0
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Sphaerochaeta	1,36934E-06	0,005501647	0,001161582	0,002757896	0,010555532
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae	Sphingobacterium	1,06266E-06	0	1,35642E-06	5,80459E-06	1,727E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingobium	0	0	1,46451E-06	5,56336E-07	1,50014E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	1,15613E-06	2,66326E-06	3,01419E-05	0,000104352	2,81119E-05
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingopyxis	0	0	1,13042E-06	0	0
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingorhabdus	0	0	0	2,16547E-07	0
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingosinicella	0	0	3,12565E-07	1,15619E-06	0

Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae	Spirosoma	0	0	0	6,49642E-07	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Sporacetigenium	2,30344E-05	4,9932E-06	1,61579E-05	2,63989E-05	2,36155E-05
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Sporichthyaceae	Sporichthya	0	0	1,27464E-07	0	0
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Sporobacter	0,005770222	0,004631174	0,00623628	0,003717772	0,004484292
Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Sporobacterium	0	0	0	0	4,3175E-07
Bacteria	SR1	SR1_genera_incertae_sedis	SR1_genera_incertae_sedis	SR1_genera_incertae_sedis	SR1_genera_incertae_sedis	0	0	1,41073E-05	0,0004425	0
Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus	1,95708E-05	1,56933E-05	8,61121E-06	0,000158163	7,28502E-05
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Stella	0	0	2,97068E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Stenotrophomonas	0	3,40957E-06	4,1528E-06	1,12805E-05	8,22341E-07
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Sinobacteraceae	Steroidobacter	0	9,61809E-07	3,52987E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Streptomycetaceae	Streptomyces	0	0	3,52987E-07	1,22773E-06	0
Bacteria	Cyanobacteria/Chloroplast	Chloroplast	Chloroplast	Chloroplast	Streptophyta	1,77241E-06	9,1343E-06	0,00132072	3,62511E-05	3,20122E-05
Bacteria	Verrucomicrobia	Subdivision3	Subdivision3_genera_incertae_sedis	Subdivision3_genera_incertae_sedis	Subdivision3_genera_incertae_sedis	0	1,14513E-06	7,81412E-07	0	0
Bacteria	Verrucomicrobia	Subdivision5	Subdivision5_genera_incertae_sedis	Subdivision5_genera_incertae_sedis	Subdivision5_genera_incertae_sedis	1,38952E-06	0,006002729	0,004541873	0,020351255	0,001349141
Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Subdoligranulum	1,40969E-06	5,47074E-06	1,68778E-06	6,44992E-06	1,46139E-06
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Acidaminococcaceae	Succiniclasticum	0	0	2,22735E-05	0	0
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Acidaminococcaceae	Succinispira	0	0	2,07896E-06	5,23481E-06	0
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Succinivibrionaceae	Succinivibrio	1,77241E-06	0,003642209	0,00363348	0,000701018	0,002322991
Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Sulfuritalea	0	0	0	1,29437E-06	0

<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Sutterellaceae</i>	<i>Sutterella</i>	0,00188 5715	0,0018709 69	0,00026 7181	0,00014 4836	0,006417 45
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Cardiobacteriales</i>	<i>Cardiobacteriaceae</i>	<i>Suttonella</i>	0	0	4,98644 E-07	0	1,25726E -06
<i>Bacteria</i>	<i>Synergistetes</i>	<i>Synergistia</i>	<i>Synergistales</i>	<i>Synergistaceae</i>	<i>Synergistes</i>	0	0	4,98644 E-07	0	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Syntrophococcus</i>	0	1,36064E- 05	4,80963 E-06	1,65851 E-05	2,12221E -05
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Syntrophomonadaceae</i>	<i>Syntrophothermu s</i>	0	0	0	1,49066 E-05	0
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Porphyromonadaceae</i>	<i>Tannerella</i>	9,24554 E-05	0,0015961 14	0,00280 873	3,12847 E-05	2,98878E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Bradyrhizobiaceae</i>	<i>Tardiphaga</i>	0	0	1,54656 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Enterobacteriales</i>	<i>Enterobacteriaceae</i>	<i>Tatumella</i>	0	0	6,51909 E-06	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Intrasporangiaceae</i>	<i>Terrabacter</i>	0	0	1,76493 E-07	0	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Terriglobus</i>	<i>Terriglobus</i>	<i>Terriglobus</i>	0	0	0	1,15619 E-06	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Propionibacteriaceae</i>	<i>Tessaracoccus</i>	0	0	1,14444 E-05	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Rhodocyclales</i>	<i>Rhodocyclaceae</i>	<i>Thauera</i>	0	0	0	1,02087 E-06	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiaceae 1</i>	<i>Thermobrachium</i>	0	0	1,76493 E-07	0	0
<i>Archaea</i>	<i>Euryarchaeota</i>	<i>Thermoplasmata</i>	<i>Thermoplasmatales</i>	<i>Thermoplasmatales_inc ertae_sedis</i>	<i>Thermogymnomo nas</i>	0	0,0005300 91	3,2605E -05	7,81647 E-05	0,000202 928
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Thermoleophilia</i>	<i>Thermoleophilales</i>	<i>Thermoleophilaceae</i>	<i>Thermoleophilu m</i>	0	0	1,36693 E-06	0	2,15875E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Xanthomonadales</i>	<i>Xanthomonadaceae</i>	<i>Thermomonas</i>	0	0	1,27464 E-07	0	0
<i>Bacteria</i>	<i>Deinococcus- Thermus</i>	<i>Deinococci</i>	<i>Thermales</i>	<i>Thermaceae</i>	<i>Thermus</i>	0	0	0	2,89771 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Hydrogenophilales</i>	<i>Hydrogenophilaceae</i>	<i>Thiobacillus</i>	0	0	0	2,16547 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Burkholderiales_inc erta_sedis</i>	<i>Thiobacter</i>	0	0	1,84386 E-07	0	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiales_Incertae Sedis XI</i>	<i>Tissierella</i>	0	1,14513E- 06	2,3967E -06	0	2,93361E -06

Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Tolomonas	0	0	0	3,47728E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Corynebacterineae_incertae_sedis	Tomitella	0	0	0	2,16547E-07	0
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	6,8467E-06	0,018893157	0,029077193	0,023670822	0,03089014
Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Trichococcus	0	0	1,0938E-06	0	2,15875E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Tropicimonas	2,31227E-06	0	0	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Actinomycetaceae	Trueperella	0	0	1,56282E-07	8,10705E-06	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Tsukamurellaceae	Tsukamurella	0	0	0	4,02996E-07	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Corynebacteriaceae	Turicella	1,08885E-05	9,93508E-06	1,58643E-06	0	6,48123E-06
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	Turicibacter	0,00216658	0,000447761	0,000448258	0,000162526	0,005061284
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Oxalobacteraceae	Undibacterium	1,82634E-06	9,61809E-07	3,90107E-07	1,88959E-06	5,2508E-06
Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Ureaplasma	0	0	8,2872E-06	1,57888E-06	7,24589E-05
Bacteria	Firmicutes	Bacilli	Bacillales	Planococcaceae	Ureibacillus	0	0	0	0	8,22341E-07
Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Vagococcus	0	0	0	0	2,93361E-06
Bacteria	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	Vampirovibrio	0,011589652	0,005746942	0,004915285	0,005838519	0,019362328
Bacteria	Proteobacteria	Betaproteobacteria	Burkholderiales	Comamonadaceae	Variovorax	0	1,22217E-06	2,57701E-06	0	3,23092E-06
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Veillonella	3,23971E-06	1,11836E-05	4,03886E-05	2,15565E-05	0,000274621
Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales	Verrucomicrobiaceae	Verrucomicrobium	0	0	8,06263E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	0	0	0	0	1,50014E-06
Bacteria	Lentisphaerae	Lentisphaeria	Victivallales	Victivallaceae	Victivallis	4,46225E-05	0,000271246	7,11297E-05	5,70807E-06	9,84705E-05
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae 2	Virgibacillus	0	0	1,76493E-07	0	0

Bacteria	Proteobacteria	Betaproteobacteria	Neisseriales	Neisseriaceae	Vitreoscilla	0	0	5,83041E-07	0	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae	Wandonia	0	0	0	4,50315E-07	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae	Wautersiella	1,20231E-06	1,22217E-06	3,4467E-07	1,2002E-06	1,00009E-06
Bacteria	Firmicutes	Bacilli	Lactobacillales	Leuconostocaceae	Weissella	0	3,4354E-06	4,81204E-05	2,16547E-07	7,56571E-06
Bacteria	Proteobacteria	Epsilonproteobacteria	Campylobacterales	Helicobacteraceae	Wolinella	0	6,38408E-06	7,42156E-07	5,95733E-06	0
Bacteria	candidate division WPS-1	WPS-1_genera_incertain_sedis	WPS-1_genera_incertain_sedis	WPS-1_genera_incertain_sedis	WPS-1_genera_incertain_sedis	1,08774E-06	0	3,5999E-06	0	0
Bacteria	candidate division WPS-2	WPS-2_genera_incertain_sedis	WPS-2_genera_incertain_sedis	WPS-2_genera_incertain_sedis	WPS-2_genera_incertain_sedis	0	0	3,52987E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Xanthomonas	0	0	3,00249E-06	0	1,60753E-05
Bacteria	Verrucomicrobia	Spartobacteria	Xiphinematobacter	Xiphinematobacter	Xiphinematobacter	0	0	6,18624E-07	0	0
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Xylanibacter	9,3919E-06	0,000155304	2,969E-06	1,2504E-05	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Yaniella	0	0	1,74217E-06	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Yersinia	0	3,08529E-05	0	0	0
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	Zavarzinella	0	0	1,72335E-07	0	0
Bacteria	Actinobacteria	Actinobacteria	Actinomycetales	Micrococcaceae	Zhihengliuella	0	0	0	2,16547E-07	0
Bacteria	Proteobacteria	Betaproteobacteria	Rhodocyclales	Rhodocyclaceae	Zoogloea	0	0	0	5,78093E-07	0
Archaea	Euryarchaeota	Methanobacteria	Methanobacteriales	Methanobacteriaceae		0	0,001810226	0,005324131	0,000219484	1,30821E-05
Archaea	Euryarchaeota	Thermoplasmata	Thermoplasmatales	Thermoplasmatales_incertain_sedis		0	0,000530091	3,2605E-05	7,81647E-05	0,000202928
Bacteria	Acidobacteria	Acidobacteria_Gp1	Candidatus Koribacter	Candidatus Koribacter		0	0	1,92029E-07	6,2012E-07	0
Bacteria	Acidobacteria	Acidobacteria_Gp1	Edaphobacter	Edaphobacter		0	0	4,65595E-07	0	0

<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Gp1</i>	<i>Gp1</i>		0	0	9,37695E-07	0	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Granulicella</i>	<i>Granulicella</i>		0	0	0	5,78093E-07	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Terriglobus</i>	<i>Terriglobus</i>		0	0	0	1,15619E-06	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp16</i>	<i>Gp16</i>	<i>Gp16</i>		0	0	1,10742E-06	0	8,635E-07
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp2</i>	<i>Gp2</i>	<i>Gp2</i>		0	0	8,7086E-07	0	1,55733E-05
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp3</i>	<i>Gp3</i>	<i>Gp3</i>		0	0	9,698E-07	5,56336E-07	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp4</i>	<i>Blastocatella</i>	<i>Blastocatella</i>		0	0	8,82467E-07	6,49642E-07	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp4</i>	<i>Gp4</i>	<i>Gp4</i>		6,51926E-06	0	2,17315E-06	8,46107E-07	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp6</i>	<i>Gp6</i>	<i>Gp6</i>		2,31227E-06	0	5,80644E-06	0	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp7</i>	<i>Gp7</i>	<i>Gp7</i>		0	0	7,53505E-07	4,50315E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Acidimicrobiales</i>	<i>Acidimicrobiaceae</i>		5,78067E-06	0	5,82098E-07	3,64645E-07	1,46139E-06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Acidimicrobiales</i>	<i>Acidimicrobinea" _inceptae_sedis</i>		0	0	6,02309E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Acidimicrobiales</i>	<i>Iamiaceae</i>		0	0	9,60051E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Acidothermaceae</i>		0	0	1,76493E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Actinomycetaceae</i>		4,05959E-06	3,32911E-06	3,68537E-05	2,73528E-05	4,25586E-06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Beutenbergiaceae</i>		0	0	1,92724E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Bogoriellaceae</i>		0	0	6,67018E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Brevibacteriaceae</i>		3,42656E-06	0	1,96173E-06	6,2012E-07	5,98119E-06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Cellulomonadaceae</i>		0	0	1,10121E-06	1,01429E-06	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Corynebacteriaceae</i>		2,95128E-05	3,62898E-05	6,62453E-05	1,00516E-05	0,000190008

<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Corynebacterineae_ince rtae_sedis</i>		0	0	0	2,16547 E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Demequinaceae</i>		0	0	7,20861 E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Dermabacteraceae</i>		0	0	1,63303 E-05	2,16547 E-07	2,67644E -06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Dermacoccaceae</i>		0	0	2,09912 E-06	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Dietziaceae</i>		1,07312 E-05	9,61809E- 07	3,2231E -05	1,23742 E-06	2,07444E -05
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Geodermatophilaceae</i>		0	0	1,4846E -06	1,45679 E-06	2,50818E -06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Intrasporangiaceae</i>		3,4684E -06	9,62643E- 07	0,00016 6751	3,25913 E-06	6,82568E -06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Kineosporiaceae</i>		0	0	2,10978 E-06	1,17646 E-06	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Microbacteriaceae</i>		2,66142 E-06	4,80441E- 06	2,51594 E-05	5,86442 E-06	7,26272E -05
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Micrococcaceae</i>		1,41485 E-05	5,21073E- 06	4,75692 E-05	0,00429 7798	5,09956E -05
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Micromonosporaceae</i>		0	0	1,1211E -06	0	5,75639E -06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Mycobacteriaceae</i>		0	0	3,02927 E-06	6,09384 E-06	1,64468E -06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Nakamurellaceae</i>		0	0	4,67221 E-07	4,02996 E-07	4,3175E- 07
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Nocardiaceae</i>		2,12431 E-06	1,14513E- 06	8,37373 E-06	0	3,29873E -05
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Nocardioideaceae</i>		5,78067 E-06	0	1,16763 E-05	5,75268 E-06	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Promicromonosporacea e</i>		0	0	1,13133 E-06	5,64275 E-07	5,0482E- 06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Propionibacteriaceae</i>		2,57095 E-05	2,4028E- 05	3,75492 E-05	3,12955 E-05	8,64484E -05
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Pseudonocardiaceae</i>		0	0	2,11914 E-06	0	7,30695E -07
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Sanguibacteraceae</i>		0	0	0	9,00631 E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Sporichthyaceae</i>		0	0	1,27464 E-07	0	0

<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Streptomycetaceae</i>		0	0	3,52987E-07	1,22773E-06	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>	<i>Tsukamurellaceae</i>		0	0	0	4,02996E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Bifidobacteriales</i>	<i>Bifidobacteriaceae</i>		0	2,201E-05	0,001364881	0	0,00022456
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Coriobacteriales</i>	<i>Coriobacteriaceae</i>		0,000756844	0,001146768	0,005768236	0,00192916	0,001054867
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Euzebyales</i>	<i>Euzebyaceae</i>		0	0	3,52987E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Gaiellales</i>	<i>Gaiellaceae</i>		0	0	2,32654E-06	1,74562E-06	2,02595E-06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Rubrobacterales</i>	<i>Rubrobacteraceae</i>		1,08774E-06	1,30262E-06	1,61254E-06	3,3313E-06	1,84938E-05
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Solirubrobacterales</i>	<i>Conexibacteraceae</i>		1,15613E-06	0	8,44179E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Solirubrobacterales</i>	<i>Patulibacteraceae</i>		0	0	0	6,2012E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Solirubrobacterales</i>	<i>Solirubrobacteraceae</i>		0	0	2,42555E-06	1,13443E-06	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Thermoleophilia</i>	<i>Thermoleophilales</i>	<i>Thermoleophilaceae</i>		0	0	1,36693E-06	0	2,15875E-06
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadetes_gp4</i>	<i>Armatimonadetes_gp4</i>	<i>Armatimonadetes_gp4</i>		0	0	3,85448E-07	0	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadetes_gp5</i>	<i>Armatimonadetes_gp5</i>	<i>Armatimonadetes_gp5</i>		0	0	4,56803E-07	2,16547E-07	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadia</i>	<i>Armatimonadales</i>	<i>Armatimonadaceae</i>		0	0	5,2948E-07	0	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Chthonomonadetes</i>	<i>Chthonomonadales</i>	<i>Chthonomonadaceae</i>		0	0	2,8157E-07	0	0
<i>Bacteria</i>	<i>BRC1</i>	<i>BRC1_genera_incertainae</i>	<i>BRC1_genera_incertainae</i>	<i>BRC1_genera_incertainae</i>		0	0	0	2,16547E-07	0
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidetes" _incertainae</i>	<i>Marinifilum</i>	<i>Marinifilum</i>		0	0	0	0	4,3175E-07
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidetes" _incertainae</i>	<i>Ohtaekwangia</i>	<i>Ohtaekwangia</i>		2,31227E-06	0	1,05189E-06	0	0
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidetes" _incertainae</i>	<i>Prolixibacter</i>	<i>Prolixibacter</i>		0	1,4956E-05	4,60037E-06	1,47076E-05	0
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Bacteroidaceae</i>		0,05184428	0,012037178	0,02026617	0,001971161	0,028345395

Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidales"_incertae_sedis		0	0	1,12067E-06	6,37546E-05	0
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Marinilabiliaceae		0	0	1,16074E-06	3,28161E-06	1,9543E-05
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae		0,034561785	0,0506325	0,076216376	0,026358342	0,048062276
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae		0,176025408	0,24043013	0,142395485	0,146148025	0,096734508
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Rikenellaceae		0,027483265	0,000501952	0,000177965	6,29729E-06	0,000884586
Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Cytophagaceae		2,52547E-06	5,40539E-06	8,3456E-06	4,53189E-05	1,91922E-06
Bacteria	Bacteroidetes	Cytophagia	Cytophagales	Flammeovirgaceae		0	0	1,27464E-07	4,70618E-07	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Cryomorphaceae		0	6,07143E-06	1,20756E-06	1,51085E-05	0
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales	Flavobacteriaceae		1,38899E-05	0,009118713	0,011517735	0,016462586	0,007175793
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Chitinophagaceae		1,15613E-06	1,14513E-06	1,23792E-05	0,004729916	3,18238E-05
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Rhodothermaceae		1,15613E-06	0	0	0	0
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Saprosiraceae		0	0	0	9,70778E-07	0
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales	Sphingobacteriaceae		1,08697E-05	0,015231129	0,004527715	0,001547794	1,6074E-05
Bacteria	Candidatus Saccharibacteria	Saccharibacteria_genera_incertae_sedis	Saccharibacteria_genera_incertae_sedis	Saccharibacteria_genera_incertae_sedis		1,99122E-06	7,69525E-05	0,00053016	0,002204092	0,000102494
Bacteria	Chlamydiae	Chlamydiia	Chlamydiales	Chlamydiaceae		0	0,00069837	7,64786E-07	0,000768975	0
Bacteria	Chlamydiae	Chlamydiia	Chlamydiales	Parachlamydiaceae		0	0	2,22173E-06	0	1,25726E-06
Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae		0	0	1,76493E-07	0,000191085	4,38417E-06
Bacteria	Chloroflexi	Caldilineae	Caldilineales	Caldilineaceae		5,78067E-06	0	0	0	0
Bacteria	Chloroflexi	Chloroflexia	Chloroflexales	Chloroflexaceae		0	0	3,52987E-07	0	4,3175E-07

Bacteria	<i>Chloroflexi</i>	<i>Thermomicrobia</i>	<i>Sphaerobacterales</i>	<i>Sphaerobacteraceae</i>		3,4684E-06	0	1,36342E-05	2,16547E-07	0
Bacteria	<i>Cyanobacteria/Chloroplast</i>	<i>Chloroplast</i>	<i>Chloroplast</i>	<i>Chloroplast</i>		3,94789E-06	1,03565E-05	0,001322938	3,93451E-05	3,27429E-05
Bacteria	<i>Cyanobacteria/Chloroplast</i>	<i>Cyanobacteria</i>	<i>Family II</i>	<i>Family II</i>		0	0	0	8,20773E-07	0
Bacteria	<i>Cyanobacteria/Chloroplast</i>	<i>Cyanobacteria</i>	<i>Family XIII</i>	<i>Family XIII</i>		0	0	1,56282E-07	4,33095E-07	0
Bacteria	<i>Deferribacteres</i>	<i>Deferribacteres</i>	<i>Deferribacterales</i>	<i>Deferribacteraceae</i>		0	5,59831E-05	5,09107E-05	0,000582846	0
Bacteria	<i>Deinococcus-Thermus</i>	<i>Deinococci</i>	<i>Deinococcales</i>	<i>Deinococcaceae</i>		3,4684E-06	0	1,80215E-07	4,70618E-07	8,635E-07
Bacteria	<i>Deinococcus-Thermus</i>	<i>Deinococci</i>	<i>Thermales</i>	<i>Thermaceae</i>		0	0	0	2,89771E-07	2,15875E-06
Bacteria	<i>Elusimicrobia</i>	<i>Elusimicrobia</i>	<i>Elusimicrobiales</i>	<i>Elusimicrobiaceae</i>		0,006730554	0,001870505	0,000328789	0	0,008924486
Bacteria	<i>Fibrobacteres</i>	<i>Fibrobacteria</i>	<i>Fibrobacterales</i>	<i>Fibrobacteraceae</i>		0	0,000746676	0,00226435	0,00128398	0,000893402
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Bacillaceae 1</i>		0	0	0,01416457	0,002479004	0,003630439
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Bacillaceae 2</i>		0	4,48899E-06	0,0001166	3,57568E-05	1,38718E-05
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Bacillales_Incertae Sedis XI</i>		2,1233E-06	0	7,89213E-07	0	8,10378E-06
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Bacillales_Incertae Sedis XII</i>		0	0	5,82297E-06	0	0
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Listeriaceae</i>		0	0	0	0	2,15875E-06
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Paenibacillaceae 1</i>		0	0	1,42281E-06	2,29949E-05	0
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Paenibacillaceae 2</i>		0	1,36064E-06	2,49322E-07	0	0
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Planococcaceae</i>		1,00073E-05	0,013556235	0,005071204	0,004071065	0,001670146
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>	<i>Staphylococcaceae</i>		1,95708E-05	1,56933E-05	1,01267E-05	0,000158633	7,82365E-05
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Aerococcaceae</i>		1,79259E-06	2,50577E-06	5,86989E-05	3,77181E-05	3,76656E-05
Bacteria	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Carnobacteriaceae</i>		6,85991E-06	6,13168E-06	9,37774E-06	4,39996E-06	4,51041E-05

<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Enterococcaceae</i>		5,73739 E-06	1,62824E- 05	2,50554 E-05	1,49512 E-06	0,000558 781
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Lactobacillaceae</i>		5,5825E -05	0,0049134 09	0,01219 4856	0,00062 9258	0,000454 776
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Leuconostocaceae</i>		0	7,26281E- 06	5,20423 E-05	2,16547 E-07	7,56571E -06
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiaceae 1</i>		0,00148 0926	0,0019029 7	0,00580 0648	0,00385 8588	0,001638 696
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiaceae 2</i>		0	1,14513E- 06	1,27784 E-06	1,25444 E-06	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiaceae 3</i>		0	0	1,54656 E-07	0	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiaceae 4</i>		8,35086 E-07	2,99596E- 06	2,77498 E-06	0	1,89314E -06
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiales_Incertae Sedis XI</i>		0,00012 1624	7,35651E- 05	0,00016 4506	1,9857E -05	3,82361E -05
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiales_Incertae Sedis XII</i>		0,00014 3982	0,0003027 9	0,00140 5746	8,43298 E-05	0,000313 427
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Clostridiales_Incertae Sedis XIII</i>		0,00696 5627	0,004626	0,00772 0518	0,00735 4206	0,001293 406
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Defluviitaleaceae</i>		0,00075 7012	0,0001402 38	0,00013 9525	0,00091 8847	0,000154 871
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Eubacteriaceae</i>		0,00284 0856	0,0041131 37	0,00764 0591	0,00408 2753	0,002767 016
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Gracilibacteraceae</i>		0,00066 336	0,0005466 49	0,00052 4963	9,83864 E-05	0,001660 955
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Incertae Sedis XI</i>		0	0	3,98414 E-06	5,8752E -05	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>		0,14097 9019	0,1413934 23	0,16733 6771	0,19924 934	0,165506 083
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Natranaerovirga</i>		0	0	1,22257 E-06	3,23593 E-07	8,635E- 07
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Peptococcaceae 1</i>		0,00022 6247	0,0001304 71	0,00053 7594	0,00039 0801	0,001385 708
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Peptostreptococcaceae</i>		0,00335 2002	0,0024977 11	0,00261 2007	0,00574 793	0,018231 012
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Ruminococcaceae</i>		0,36890 5606	0,2143051 39	0,20411 6357	0,13881 0581	0,217065 546
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Syntrophomonadaceae</i>		1,35932 E-05	4,54903E- 06	3,14114 E-05	4,34577 E-05	1,92161E -05

Bacteria	Firmicutes	Clostridia	Thermoanaerobacterales	Thermoanaerobacteraceae	0	0	1,56282E-07	1,23561E-06	0
Bacteria	Firmicutes	Erysipelotrichia	Erysipelotrichales	Erysipelotrichaceae	0,012482446	0,005930106	0,011187702	0,021082713	0,01591162
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Acidaminococcaceae	0,010739222	0,032791287	0,017857787	0,05070666	0,004934776
Bacteria	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	0,004248334	0,010184416	0,01369963	0,00788023	0,002743927
Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	7,04847E-07	4,88868E-06	0,000509656	6,70056E-05	5,46591E-05
Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	1,06266E-06	2,10778E-06	3,90107E-07	0	7,30695E-07
Bacteria	Gemmatimonadetes	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	0	0	6,20688E-06	2,12386E-06	8,22341E-07
Bacteria	Lentisphaerae	Lentisphaeria	Victivallales	Victivallaceae	4,46225E-05	0,000271246	7,11297E-05	5,70807E-06	9,84705E-05
Bacteria	Lentisphaerae	Oligosphaeria	Oligosphaerales	Oligosphaeraceae	0	5,69725E-06	2,11151E-06	2,77339E-06	0
Bacteria	Nitrospirae	Nitrospira	Nitrospirales	Nitrospiraceae	0	0	2,1459E-06	0	0
Bacteria	Parcubacteria	Parcubacteria_genera_incertae_sedis	Parcubacteria_genera_incertae_sedis	Parcubacteria_genera_incertae_sedis	0	0	6,24915E-07	4,02996E-07	5,61184E-06
Bacteria	Planctomycetes	Planctomycetia	Planctomycetales	Planctomycetaceae	4,62453E-06	0,007323585	0,01076704	0,009285287	0,001085587
Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria_incertae_sedis	Rhizomicrobium	0	0	5,83041E-07	0	8,38176E-07
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	2,56583E-06	0	2,15041E-06	1,88706E-06	1,78427E-05
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	0	0	0	3,47728E-07	0
Bacteria	Proteobacteria	Alphaproteobacteria	Kiloniellales	Kiloniellaceae	0	0	0	2,20656E-05	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Aurantimonadaceae	0	0	8,83564E-06	8,67864E-07	0
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	0	0	3,15115E-06	7,26588E-07	4,11171E-06
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	1,06165E-06	1,36064E-06	4,90262E-06	1,51478E-05	1,2638E-05
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	8,20734E-06	1,07943E-06	1,15968E-06	4,03688E-06	6,30366E-06

<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Hyphomicrobiaceae</i>		0	0	1,0588E-05	1,69077E-06	1,36355E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Methylobacteriaceae</i>		0	0	2,11412E-05	2,76533E-06	5,48613E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Methylocystaceae</i>		0	0	4,59573E-07	5,56336E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Phyllobacteriaceae</i>		0	0	1,99838E-06	2,41776E-06	9,50151E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Rhizobiaceae</i>		5,31328E-06	3,68468E-06	2,58125E-05	6,63572E-06	9,31254E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Rhodobiaceae</i>		0	0	1,56282E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>	<i>Xanthobacteraceae</i>		0	0	1,01589E-06	4,02996E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodobacterales</i>	<i>Rhodobacteraceae</i>		6,61382E-06	1,30262E-06	1,61849E-05	8,8341E-07	1,28221E-05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Acetobacteraceae</i>		2,24478E-06	1,22217E-06	1,70627E-05	4,33095E-07	1,79097E-05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Rhodospirillaceae</i>		0,000519404	0,001545014	0,000332412	9,38372E-05	0,018000358
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Sphingomonadales</i>	<i>Erythrobacteraceae</i>		2,31227E-06	0	8,27261E-07	1,29928E-06	8,635E-07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Sphingomonadales</i>	<i>Sphingomonadaceae</i>		6,10172E-06	2,66326E-06	3,88224E-05	0,000109177	3,43332E-05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Alcaligenaceae</i>		1,15613E-06	0	9,06892E-06	0,000182285	3,09644E-05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Burkholderiaceae</i>		0	1,14513E-06	9,69571E-06	1,70163E-06	2,06399E-05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Burkholderiales_incertaine_sedis</i>		0	3,07042E-06	1,47771E-06	6,7568E-06	9,51866E-06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Comamonadaceae</i>		6,01126E-06	4,74594E-06	1,78073E-05	6,39482E-06	4,94657E-05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Oxalobacteraceae</i>		4,61894E-06	0,001342538	0,001270138	0,001200895	1,12958E-05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Sutterellaceae</i>		0,004290141	0,002097645	0,000297244	0,000167927	0,008069616
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Hydrogenophilales</i>	<i>Hydrogenophilaceae</i>		0	0	0	2,16547E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Methylophilales</i>	<i>Methylophilaceae</i>		0	0	7,74293E-06	1,15619E-06	0

<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Neisseriales</i>	<i>Neisseriaceae</i>		2,80998 E-06	3,32911E- 06	0,00018 2356	7,1367E -06	5,1524E- 05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Rhodocyclales</i>	<i>Rhodocyclaceae</i>		0	0	4,56803 E-07	2,89334 E-06	2,53985E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Bdellovibrionales</i>	<i>Bacteriovoraceae</i>		0	0	1,66935 E-07	0	4,11171E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Bdellovibrionales</i>	<i>Bdellovibrionaceae</i>		0,01159 0715	0,0057469 42	0,00491 6348	0,00583 9097	0,019362 328
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfobacterales</i>	<i>Desulfobacteraceae</i>		0	4,39721E- 06	2,10239 E-05	0,00069 1621	4,19088E -07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfobacterales</i>	<i>Desulfobulbaceae</i>		0	0	0	6,95456 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfovibrionales</i>	<i>Desulfohalobiaceae</i>		0	1,07943E- 06	4,97911 E-06	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfovibrionales</i>	<i>Desulfomicrobiaceae</i>		0	2,52479E- 06	0	2,38682 E-06	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfovibrionales</i>	<i>Desulfovibrionaceae</i>		0,00083 3182	0,0029781 55	0,00327 7759	0,00166 5183	0,002000 912
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfuromonadales</i>	<i>Geobacteraceae</i>		0	0	1,15357 E-06	3,23593 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Myxococcales</i>	<i>Cystobacteraceae</i>		0	0	5,2948E -07	0,00013 3073	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Myxococcales</i>	<i>Kofleriaceae</i>		0	0	3,12565 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Myxococcales</i>	<i>Myxococcaceae</i>		0	0	0	5,78093 E-07	1,00009E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Myxococcales</i>	<i>Nannocystaceae</i>		0	0	1,27464 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Myxococcales</i>	<i>Phaselicystidaceae</i>		0	0	1,29646 E-06	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Myxococcales</i>	<i>Polyangiaceae</i>		0	0	8,51877 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Epsilonproteobacteria</i>	<i>Campylobacterales</i>	<i>Campylobacteraceae</i>		1,41169 E-05	0,0038202 61	0,00054 5093	0,00812 2387	5,87048E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Epsilonproteobacteria</i>	<i>Campylobacterales</i>	<i>Helicobacteraceae</i>		8,35086 E-07	0,0003163 26	0,00020 6677	0,00069 4006	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Epsilonproteobacteria</i>	<i>Campylobacterales</i>	<i>Hydrogenimonaceae</i>		0	0	1,80215 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Aeromonadales</i>	<i>Aeromonadaceae</i>		7,38594 E-07	0	1,80215 E-07	4,53045 E-06	0

Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Succinivibrionaceae		2,6075E-06	0,003687507	0,003683549	0,001393893	0,003306048
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae		0	0	1,80215E-07	6,2012E-07	0
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae		0	0	0	8,35554E-07	0
Bacteria	Proteobacteria	Gammaproteobacteria	Candidatus Carsonella	Candidatus Carsonella		9,43072E-06	2,60525E-06	1,48739E-06	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Cardiobacteriales	Cardiobacteriaceae		0	0	6,54926E-07	0	1,25726E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae		0	0	2,49322E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae		0,000905198	0,00050358	0,028481597	0,000918235	0,002410403
Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae		0	0	1,26676E-06	0,000110221	2,55251E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae		0	1,30262E-06	4,31831E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Orbales	Orbaceae		0	0	1,91197E-06	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae		6,62708E-05	8,77891E-06	0,00024449	3,02386E-05	0,001064204
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae		3,8817E-06	4,92833E-06	5,73755E-06	2,28908E-05	2,95197E-05
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae		0	0	0	0	1,50014E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Sinobacteraceae		0	9,61809E-07	3,52987E-07	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae		2,1233E-06	3,40957E-06	1,12561E-05	1,40088E-05	3,22392E-05
Bacteria	SRI	SRI_genera_incertaine_sedis	SRI_genera_incertaine_sedis	SRI_genera_incertaine_sedis		0	0	1,41073E-05	0,0004425	0
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae		8,21604E-06	0,024454153	0,030379064	0,026480042	0,041468533
Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae		6,8467E-07	0,000992028	4,27386E-05	0,000601401	0,001769282
Bacteria	Tenericutes	Mollicutes	Acholeplasmatales	Acholeplasmataceae		0,000522859	6,47658E-06	6,06724E-05	0,000126821	0,00804251
Bacteria	Tenericutes	Mollicutes	Anaeroplasmatales	Anaeroplasmataceae		0,002411235	0,001194081	0,00091422	0,002240633	0,01191534

Bacteria	<i>Tenericutes</i>	<i>Mollicutes</i>	<i>Haloplasmatales</i>	<i>Haloplasmataceae</i>		0	0	0	0	1,25726E-06
Bacteria	<i>Tenericutes</i>	<i>Mollicutes</i>	<i>Mycoplasmatales</i>	<i>Mycoplasmataceae</i>		7,38594E-07	0	6,63663E-05	7,30395E-05	0,000460551
Bacteria	<i>Verrucomicrobia</i>	<i>Opitutae</i>	<i>Opitiales</i>	<i>Opitutaceae</i>		1,15613E-06	0	5,78172E-07	0	1,00009E-06
Bacteria	<i>Verrucomicrobia</i>	<i>Opitutae</i>	<i>Puniceicoccales</i>	<i>Puniceicoccaceae</i>		6,67592E-05	0,000618422	0,000357573	2,21597E-05	0,000389671
Bacteria	<i>Verrucomicrobia</i>	<i>Spartobacteria</i>	<i>Spartobacteria_genera_incertae_sedis</i>	<i>Spartobacteria_genera_incertae_sedis</i>		2,31227E-06	0	2,32559E-06	4,0574E-06	1,32809E-05
Bacteria	<i>Verrucomicrobia</i>	<i>Spartobacteria</i>	<i>Xiphinematobacter</i>	<i>Xiphinematobacter</i>		0	0	6,18624E-07	0	0
Bacteria	<i>Verrucomicrobia</i>	<i>Subdivision3</i>	<i>Subdivision3_genera_incertae_sedis</i>	<i>Subdivision3_genera_incertae_sedis</i>		0	1,14513E-06	7,81412E-07	0	0
Bacteria	<i>Verrucomicrobia</i>	<i>Subdivision5</i>	<i>Subdivision5_genera_incertae_sedis</i>	<i>Subdivision5_genera_incertae_sedis</i>		1,38952E-06	0,006002729	0,004541873	0,020351255	0,001349141
Bacteria	<i>Verrucomicrobia</i>	<i>Verrucomicrobiae</i>	<i>Verrucomicrobiales</i>	<i>Verrucomicrobiaceae</i>		0,001670242	0,002463152	0,010415019	1,51586E-05	9,9488E-06
Bacteria	<i>candidate division WPS-1</i>	<i>WPS-1_genera_incertae_sedis</i>	<i>WPS-1_genera_incertae_sedis</i>	<i>WPS-1_genera_incertae_sedis</i>		1,08774E-06	0	3,5999E-06	0	0
Bacteria	<i>candidate division WPS-2</i>	<i>WPS-2_genera_incertae_sedis</i>	<i>WPS-2_genera_incertae_sedis</i>	<i>WPS-2_genera_incertae_sedis</i>		0	0	3,52987E-07	0	0
Archaea	<i>Euryarchaeota</i>	<i>Methanobacteria</i>	<i>Methanobacteriales</i>			0	0,001810226	0,005324131	0,000219484	1,30821E-05
Archaea	<i>Euryarchaeota</i>	<i>Thermoplasmata</i>	<i>Thermoplasmatales</i>			0	0,000532381	3,2605E-05	9,04343E-05	0,000323092
Bacteria	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Candidatus Koribacter</i>			0	0	1,92029E-07	6,2012E-07	0
Bacteria	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Edaphobacter</i>			0	0	4,65595E-07	0	0
Bacteria	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Gp1</i>			0	0	9,37695E-07	0	0
Bacteria	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Granulicella</i>			0	0	0	5,78093E-07	0
Bacteria	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>	<i>Terriglobus</i>			0	0	0	1,15619E-06	0
Bacteria	<i>Acidobacteria</i>	<i>Acidobacteria_Gp16</i>	<i>Gp16</i>			0	0	1,10742E-06	0	8,635E-07

<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp2</i>	<i>Gp2</i>			0	0	8,7086E-07	0	1,55733E-05
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp3</i>	<i>Gp3</i>			0	0	9,698E-07	5,56336E-07	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp4</i>	<i>Blastocatella</i>			0	0	8,82467E-07	6,49642E-07	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp4</i>	<i>Gp4</i>			6,51926E-06	0	2,17315E-06	8,46107E-07	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp6</i>	<i>Gp6</i>			2,31227E-06	0	5,80644E-06	0	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp7</i>	<i>Gp7</i>			0	0	7,53505E-07	4,50315E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Acidimicrobiales</i>			6,84232E-06	0	2,68973E-06	5,81193E-07	2,92278E-06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Actinomycetales</i>			0,000104593	8,40193E-05	0,000481324	0,004471199	0,000535434
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Bifidobacteriales</i>			0	2,201E-05	0,001364881	0	0,00022456
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Coriobacteriales</i>			0,000756844	0,001146768	0,005768236	0,00192916	0,001054867
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Euzebyales</i>			0	0	3,52987E-07	0	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Gaiellales</i>			0	0	2,32654E-06	1,74562E-06	2,02595E-06
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Rubrobacterales</i>			1,08774E-06	1,30262E-06	1,61254E-06	3,3313E-06	1,84938E-05
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>	<i>Solirubrobacterales</i>			1,15613E-06	0	3,44622E-06	2,68182E-06	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Thermoleophilia</i>	<i>Thermoleophilales</i>			0	0	1,36693E-06	0	2,15875E-06
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadetes_gp4</i>	<i>Armatimonadetes_gp4</i>			0	0	3,85448E-07	0	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadetes_gp5</i>	<i>Armatimonadetes_gp5</i>			0	0	4,56803E-07	2,16547E-07	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadia</i>	<i>Armatimonadales</i>			0	0	5,2948E-07	0	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Chthonomonadetes</i>	<i>Chthonomonadales</i>			0	0	2,8157E-07	0	0
<i>Bacteria</i>	<i>BRC1</i>	<i>BRC1_genera_incertainae_sedis</i>	<i>BRC1_genera_incertae_sedis</i>			0	0	0	2,16547E-07	0

Bacteria	Bacteroidetes	Bacteroidetes"_incertae_sedis	Mariniflum			0	0	0	0	4,3175E-07
Bacteria	Bacteroidetes	Bacteroidetes"_incertae_sedis	Ohtaekwangia			2,31227E-06	0	1,05189E-06	0	0
Bacteria	Bacteroidetes	Bacteroidetes"_incertae_sedis	Prolixibacter			0	1,4956E-05	4,60037E-06	1,47076E-05	0
Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales			0,290746039	0,33988478	0,280910854	0,288149096	0,229883752
Bacteria	Bacteroidetes	Cytophagia	Cytophagales			2,52547E-06	1,26195E-05	1,19124E-05	5,98303E-05	2,41927E-06
Bacteria	Bacteroidetes	Flavobacteriia	Flavobacteriales			1,38899E-05	0,00920804	0,011573752	0,017043473	0,007180883
Bacteria	Bacteroidetes	Sphingobacteriia	Sphingobacteriales			1,38667E-05	0,015260894	0,004552561	0,026804329	5,0705E-05
Bacteria	Candidatus Saccharibacteria	Saccharibacteria_genera_incertae_sedis	Saccharibacteria_genera_incertae_sedis			1,99122E-06	7,69525E-05	0,00053016	0,002204092	0,000102494
Bacteria	Chlamydiae	Chlamydiia	Chlamydiales			0	0,00069837	2,98652E-06	0,000768975	1,25726E-06
Bacteria	Chloroflexi	Anaerolineae	Anaerolineales			0	0	1,76493E-07	0,000191085	4,38417E-06
Bacteria	Chloroflexi	Caldilineae	Caldilineales			5,78067E-06	0	0	0	0
Bacteria	Chloroflexi	Chloroflexia	Chloroflexales			0	0	3,52987E-07	0	4,3175E-07
Bacteria	Chloroflexi	Thermomicrobia	Sphaerobacterales			3,4684E-06	0	1,36342E-05	2,16547E-07	0
Bacteria	Cyanobacteria/Chloroplast	Chloroplast	Chloroplast			3,94789E-06	1,03565E-05	0,001322938	3,93451E-05	3,27429E-05
Bacteria	Cyanobacteria/Chloroplast	Cyanobacteria	Family II			0	0	0	8,20773E-07	0
Bacteria	Cyanobacteria/Chloroplast	Cyanobacteria	Family XIII			0	0	1,56282E-07	4,33095E-07	0
Bacteria	Deferribacteres	Deferribacteres	Deferribacterales			0	5,59831E-05	5,09107E-05	0,000582846	0
Bacteria	Deinococcus-Thermus	Deinococci	Deinococcales			3,4684E-06	0	1,80215E-07	4,70618E-07	8,635E-07
Bacteria	Deinococcus-Thermus	Deinococci	Thermales			0	0	0	2,89771E-07	2,15875E-06

<i>Bacteria</i>	<i>Elusimicrobia</i>	<i>Elusimicrobia</i>	<i>Elusimicrobiales</i>			0,00673 0554	0,0018705 05	0,00032 8789	0	0,008924 486
<i>Bacteria</i>	<i>Fibrobacteres</i>	<i>Fibrobacteria</i>	<i>Fibrobacterales</i>			0	0,0007466 76	0,00226 435	0,00128 398	0,000893 402
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Bacillales</i>			3,17014 E-05	0,0135804 99	0,01971 9812	0,00696 7404	0,005469 463
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>			0,00091 8568	0,0089390 34	0,01297 6297	0,00103 845	0,002042 462
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>			0,62918 3636	0,4243021 99	0,47020 051	0,42082 8574	0,543203 645
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Thermoanaerobacter ales</i>			0	0	1,56282 E-07	1,23561 E-06	0
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Erysipelotrichia</i>	<i>Erysipelotrichales</i>			0,01248 2446	0,0059301 06	0,01118 7702	0,02108 2713	0,015911 62
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Negativicutes</i>	<i>Selenomonadales</i>			0,01501 4763	0,0430811 54	0,03162 7344	0,05873 4824	0,007685 603
<i>Bacteria</i>	<i>Fusobacteria</i>	<i>Fusobacteriia</i>	<i>Fusobacteriales</i>			1,7675E -06	6,99645E- 06	0,00051 0223	6,70056 E-05	5,53898E -05
<i>Bacteria</i>	<i>Gemmatimonad etes</i>	<i>Gemmatimonadetes</i>	<i>Gemmatimonadales</i>			0	0	6,20688 E-06	2,12386 E-06	8,22341E -07
<i>Bacteria</i>	<i>Lentisphaerae</i>	<i>Lentisphaeria</i>	<i>Victivallales</i>			4,46225 E-05	0,0002712 46	7,11297 E-05	5,70807 E-06	9,84705E -05
<i>Bacteria</i>	<i>Lentisphaerae</i>	<i>Oligosphaeria</i>	<i>Oligosphaerales</i>			0	5,69725E- 06	2,11151 E-06	2,77339 E-06	0
<i>Bacteria</i>	<i>Nitrospirae</i>	<i>Nitrospira</i>	<i>Nitrospirales</i>			0	0	2,1459E -06	0	0
<i>Bacteria</i>	<i>Parcubacteria</i>	<i>Parcubacteria_genera_ incertae_sedis</i>	<i>Parcubacteria_gene ra_incertae_sedis</i>			0	0	6,24915 E-07	4,02996 E-07	5,61184E -06
<i>Bacteria</i>	<i>Planctomycetes</i>	<i>Planctomycetia</i>	<i>Planctomycetales</i>			4,62453 E-06	0,0073235 85	0,01076 704	0,00928 5287	0,001085 587
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Alphaproteobacteria incertae_sedis</i>			0	0	5,83041 E-07	0	8,38176E -07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Caulobacterales</i>			2,56583 E-06	0	2,15041 E-06	2,23479 E-06	1,78427E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Kiloniellales</i>			0	0	0	2,20656 E-05	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhizobiales</i>			1,45823 E-05	7,30408E- 06	0,00010 3458	3,68598 E-05	5,01784E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodobacterales</i>			6,61382 E-06	1,30262E- 06	1,61849 E-05	8,8341E -07	1,28221E -05

<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>			0,00141 2539	0,0021167 82	0,00038 7044	0,00039 0195	0,018879 48
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Rickettsiales</i>			0	0	1,56282 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Alphaproteobacteria</i>	<i>Sphingomonadales</i>			8,41399 E-06	2,66326E- 06	4,00027 E-05	0,00011 1417	3,73888E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>			0,00431 9317	0,0036857 03	0,00161 6321	0,00180 1367	0,008208 058
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Hydrogenophilales</i>			0	0	0	2,16547 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Methylophilales</i>			0	0	7,74293 E-06	1,15619 E-06	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Neisseriales</i>			2,80998 E-06	3,32911E- 06	0,00018 2356	7,1367E -06	5,1524E- 05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Rhodocyclales</i>			0	0	4,56803 E-07	2,89334 E-06	2,53985E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Bdellovibrionales</i>			0,01159 0715	0,0057469 42	0,00491 684	0,00584 0964	0,019366 439
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfobacterales</i>			0	4,39721E- 06	2,10239 E-05	0,00069 2971	4,19088E -07
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfovibrionales</i>			0,00083 6348	0,0029901 03	0,00329 4146	0,00167 2549	0,002000 912
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfuromonadales</i>			0	0	1,15357 E-06	3,23593 E-07	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Myxococcales</i>			0	0	4,05651 E-06	0,00013 4721	1,00009E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Epsilonproteobacteria</i>	<i>Campylobacterales</i>			1,4952E -05	0,0041468 72	0,00075 2416	0,00882 9858	5,87048E -05
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Aeromonadales</i>			3,34609 E-06	0,0036875 07	0,00368 3729	0,00139 8424	0,003306 048
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Alteromonadales</i>			0	0	1,80215 E-07	1,45567 E-06	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Candidatus Carsonella</i>			9,43072 E-06	2,60525E- 06	1,48739 E-06	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Cardiobacteriales</i>			0	0	6,54926 E-07	0	1,25726E -06
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Chromatiales</i>			0	0	2,49322 E-07	0	0
<i>Bacteria</i>	<i>Proteobacteria</i>	<i>Gammaproteobacteria</i>	<i>Enterobacteriales</i>			0,00090 5198	0,0005035 8	0,02848 1597	0,00091 8235	0,002410 403

Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales			0	1,30262E-06	1,69859E-06	0,000110221	2,55251E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales			0	0	0	0	3,02225E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Orbales			0	0	1,91197E-06	0	0
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales			6,62708E-05	8,77891E-06	0,00024449	3,02386E-05	0,001064204
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales			0	0	0	0	1,50014E-06
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales			2,1233E-06	4,37137E-06	1,16091E-05	1,40088E-05	3,22392E-05
Bacteria	SRI	SRI_genera_incertainae_sedis	SRI_genera_incertainae_sedis			0	0	1,41073E-05	0,0004425	0
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales			8,21604E-06	0,024746571	0,030418188	0,026490124	0,041474055
Bacteria	Synergistetes	Synergistia	Synergistales			6,8467E-07	0,000992028	4,27386E-05	0,000601401	0,001769282
Bacteria	Tenericutes	Mollicutes	Acholeplasmatales			0,000522859	6,47658E-06	6,06724E-05	0,000126821	0,00804251
Bacteria	Tenericutes	Mollicutes	Anaeroplasmatales			0,002411235	0,001194081	0,00091422	0,002240633	0,01191534
Bacteria	Tenericutes	Mollicutes	Haloplasmatales			0	0	0	0	1,25726E-06
Bacteria	Tenericutes	Mollicutes	Mycoplasmatales			7,38594E-07	0	6,63663E-05	7,30395E-05	0,000460551
Bacteria	Verrucomicrobia	Opitutae	Opitiales			1,15613E-06	0	5,78172E-07	0	1,00009E-06
Bacteria	Verrucomicrobia	Opitutae	Puniceococcales			6,67592E-05	0,000618422	0,000357573	2,21597E-05	0,000389671
Bacteria	Verrucomicrobia	Spartobacteria	Spartobacteria_genera_incertainae_sedis			2,31227E-06	0	2,32559E-06	4,0574E-06	1,32809E-05
Bacteria	Verrucomicrobia	Spartobacteria	Xiphinematobacter			0	0	6,18624E-07	0	0
Bacteria	Verrucomicrobia	Subdivision3	Subdivision3_genera_incertainae_sedis			0	1,14513E-06	7,81412E-07	0	0
Bacteria	Verrucomicrobia	Subdivision5	Subdivision5_genera_incertainae_sedis			1,38952E-06	0,006002729	0,004541873	0,020351255	0,001349141
Bacteria	Verrucomicrobia	Verrucomicrobiae	Verrucomicrobiales			0,001670242	0,002463152	0,010415019	1,51586E-05	9,9488E-06

<i>Bacteria</i>	<i>candidate division WPS-1</i>	<i>WPS-1_genera_incertae_sedis</i>	<i>WPS-1_genera_incertae_sedis</i>			1,08774E-06	0	3,5999E-06	0	0
<i>Bacteria</i>	<i>candidate division WPS-2</i>	<i>WPS-2_genera_incertae_sedis</i>	<i>WPS-2_genera_incertae_sedis</i>			0	0	3,52987E-07	0	0
<i>Archaea</i>	<i>Crenarchaeota</i>	<i>Thermoprotei</i>				0	0	0	4,70618E-07	0
<i>Archaea</i>	<i>Euryarchaeota</i>	<i>Methanobacteria</i>				0	0,001810226	0,005324131	0,000219484	1,30821E-05
<i>Archaea</i>	<i>Euryarchaeota</i>	<i>Thermoplasmata</i>				0	0,000532381	3,2605E-05	9,04343E-05	0,000323092
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp1</i>				0	0	1,59532E-06	2,3544E-06	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp16</i>				0	0	1,10742E-06	0	8,635E-07
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp2</i>				0	0	8,7086E-07	0	1,55733E-05
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp3</i>				0	0	9,698E-07	5,56336E-07	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp4</i>				6,51926E-06	0	3,05562E-06	1,49575E-06	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp6</i>				2,31227E-06	0	5,80644E-06	0	0
<i>Bacteria</i>	<i>Acidobacteria</i>	<i>Acidobacteria_Gp7</i>				0	0	7,53505E-07	4,50315E-07	0
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Actinobacteria</i>				0,000870523	0,0012541	0,007633133	0,006409349	0,001838735
<i>Bacteria</i>	<i>Actinobacteria</i>	<i>Thermoleophilia</i>				0	0	1,36693E-06	0	2,15875E-06
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadetes_gp4</i>				0	0	3,85448E-07	0	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadetes_gp5</i>				0	0	4,56803E-07	2,16547E-07	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Armatimonadia</i>				0	0	5,2948E-07	0	0
<i>Bacteria</i>	<i>Armatimonadetes</i>	<i>Chthonomonadetes</i>				0	0	2,8157E-07	0	0
<i>Bacteria</i>	<i>BRC1</i>	<i>BRC1_genera_incertae_sedis</i>				0	0	0	2,16547E-07	0

<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidetes" _incertae _sedis</i>				2,31227E-06	1,4956E-05	5,65226E-06	1,47076E-05	4,3175E-07
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Bacteroidia</i>				0,290746039	0,33988478	0,280910854	0,288149096	0,229883752
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Cytophagia</i>				2,52547E-06	1,26195E-05	1,19124E-05	5,98303E-05	2,41927E-06
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Flavobacteriia</i>				1,38899E-05	0,00920804	0,011573752	0,017043473	0,007180883
<i>Bacteria</i>	<i>Bacteroidetes</i>	<i>Sphingobacteriia</i>				1,38667E-05	0,015260894	0,004552561	0,026804329	5,0705E-05
<i>Bacteria</i>	<i>Candidatus Saccharibacteria</i>	<i>Saccharibacteria _genera _incertae _sedis</i>				1,99122E-06	7,69525E-05	0,00053016	0,002204092	0,000102494
<i>Bacteria</i>	<i>Chlamydiae</i>	<i>Chlamydiia</i>				0	0,00069837	2,98652E-06	0,000768975	1,25726E-06
<i>Bacteria</i>	<i>Chloroflexi</i>	<i>Anaerolineae</i>				0	0	1,76493E-07	0,000191085	4,38417E-06
<i>Bacteria</i>	<i>Chloroflexi</i>	<i>Caldilineae</i>				5,78067E-06	0	0	0	0
<i>Bacteria</i>	<i>Chloroflexi</i>	<i>Chloroflexia</i>				0	0	3,52987E-07	0	4,3175E-07
<i>Bacteria</i>	<i>Chloroflexi</i>	<i>Thermomicrobia</i>				3,4684E-06	0	1,36342E-05	2,16547E-07	0
<i>Bacteria</i>	<i>Cyanobacteria/ Chloroplast</i>	<i>Chloroplast</i>				3,94789E-06	1,03565E-05	0,001322938	3,93451E-05	3,27429E-05
<i>Bacteria</i>	<i>Cyanobacteria/ Chloroplast</i>	<i>Cyanobacteria</i>				0	0	1,56282E-07	1,25387E-06	0
<i>Bacteria</i>	<i>Deferribacteres</i>	<i>Deferribacteres</i>				0	5,59831E-05	5,09107E-05	0,000582846	0
<i>Bacteria</i>	<i>Deinococcus- Thermus</i>	<i>Deinococci</i>				3,4684E-06	0	1,80215E-07	7,60389E-07	3,02225E-06
<i>Bacteria</i>	<i>Elusimicrobia</i>	<i>Elusimicrobia</i>				0,006730554	0,001870505	0,000328789	0	0,008924486
<i>Bacteria</i>	<i>Fibrobacteres</i>	<i>Fibrobacteria</i>				0	0,000746676	0,00226435	0,00128398	0,000893402
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Bacilli</i>				0,000950269	0,022535178	0,032754053	0,008013824	0,007518291
<i>Bacteria</i>	<i>Firmicutes</i>	<i>Clostridia</i>				0,630208217	0,426567052	0,471265358	0,427587309	0,545333861

Bacteria	Firmicutes	Erysipelotrichia				0,01248 2446	0,0059301 06	0,01118 7702	0,02108 2713	0,015911 62
Bacteria	Firmicutes	Negativicutes				0,01501 4763	0,0430811 54	0,03162 7344	0,05873 4824	0,007685 603
Bacteria	Fusobacteria	Fusobacteriia				1,7675E -06	6,99645E- 06	0,00051 0223	6,70056 E-05	5,53898E -05
Bacteria	Gemmatimonadetes	Gemmatimonadetes				0	0	6,20688 E-06	2,12386 E-06	8,22341E -07
Bacteria	Lentisphaerae	Lentisphaeria				4,46225 E-05	0,0002723 91	7,13217 E-05	5,70807 E-06	9,84705E -05
Bacteria	Lentisphaerae	Oligosphaeria				0	5,69725E- 06	2,11151 E-06	2,77339 E-06	0
Bacteria	Nitrospirae	Nitrospira				0	0	2,1459E -06	0	0
Bacteria	Parcubacteria	Parcubacteria_genera_ incertae_sedis				0	0	6,24915 E-07	4,02996 E-07	5,61184E -06
Bacteria	Planctomycetes	Planctomycetia				4,62453 E-06	0,0073235 85	0,01076 704	0,00928 5983	0,001085 587
Bacteria	Proteobacteria	Alphaproteobacteria				0,00145 4969	0,0038716 28	0,00140 705	0,00061 7295	0,029638 273
Bacteria	Proteobacteria	Betaproteobacteria				0,00433 4266	0,0043736 73	0,00188 3433	0,00182 3811	0,008281 712
Bacteria	Proteobacteria	Deltaproteobacteria				0,01718 4354	0,0145978 26	0,01154 8267	0,01209 2951	0,024241 712
Bacteria	Proteobacteria	Epsilonproteobacteria				1,4952E -05	0,0041478 34	0,00075 2878	0,00883 2211	5,87048E -05
Bacteria	Proteobacteria	Gammaproteobacteria				0,00101 9516	0,0042613 77	0,03285 0724	0,00830 72	0,007059 411
Bacteria	SR1	SR1_genera_incertae_s edis				0	0	1,41073 E-05	0,00044 25	0
Bacteria	Spirochaetes	Spirochaetia				8,21604 E-06	0,0247465 71	0,03041 8188	0,02649 0124	0,041474 055
Bacteria	Synergistetes	Synergistia				6,8467E -07	0,0009920 28	4,27386 E-05	0,00060 1401	0,001769 282
Bacteria	Tenericutes	Mollicutes				0,00373 4463	0,0012908 28	0,00118 606	0,00267 9968	0,022091 917
Bacteria	Verrucomicrobia	Opitutae				6,79153 E-05	0,0006184 22	0,00036 0838	2,26304 E-05	0,000566 955
Bacteria	Verrucomicrobia	Spartobacteria				2,31227 E-06	0	3,56284 E-06	4,0574E -06	1,32809E -05

<i>Bacteria</i>	<i>Verrucomicrobia</i>	<i>Subdivision3</i>				0	1,14513E-06	7,81412E-07	0	0
<i>Bacteria</i>	<i>Verrucomicrobia</i>	<i>Subdivision5</i>				1,38952E-06	0,006002729	0,004541873	0,020351255	0,001349141
<i>Bacteria</i>	<i>Verrucomicrobia</i>	<i>Verrucomicrobiae</i>				0,001670242	0,002463152	0,010415019	1,51586E-05	9,9488E-06
<i>Bacteria</i>	<i>candidate division WPS-1</i>	<i>WPS-1_genera_incertae_sedis</i>				1,08774E-06	0	3,5999E-06	0	0
<i>Bacteria</i>	<i>candidate division WPS-2</i>	<i>WPS-2_genera_incertae_sedis</i>				0	0	3,52987E-07	0	0
<i>Archaea</i>	<i>Crenarchaeota</i>					0	0	0	4,70618E-07	0
<i>Archaea</i>	<i>Euryarchaeota</i>					2,54565E-06	0,002394293	0,005357289	0,000365841	0,000337428
<i>Bacteria</i>	<i>Acidobacteria</i>					8,83153E-06	0	1,4159E-05	4,8568E-06	1,64368E-05
<i>Bacteria</i>	<i>Actinobacteria</i>					0,000870523	0,0012541	0,00763532	0,006409565	0,001840894
<i>Bacteria</i>	<i>Armatimonadetes</i>					0	0	1,6533E-06	2,16547E-07	0
<i>Bacteria</i>	<i>BRC1</i>					0	0	0	2,16547E-07	0
<i>Bacteria</i>	<i>Bacteroidetes</i>					0,291083445	0,401004064	0,311448285	0,368506551	0,239693449
<i>Bacteria</i>	<i>Candidatus Saccharibacteria</i>					1,99122E-06	7,69525E-05	0,00053016	0,002204092	0,000102494
<i>Bacteria</i>	<i>Chlamydiae</i>					0	0,00069837	2,98652E-06	0,000768975	1,25726E-06
<i>Bacteria</i>	<i>Chloroflexi</i>					1,15613E-05	0	1,43402E-05	0,000191922	7,74953E-06
<i>Bacteria</i>	<i>Cyanobacteria/ Chloroplast</i>					3,94789E-06	1,03565E-05	0,001323095	4,05989E-05	3,27429E-05
<i>Bacteria</i>	<i>Deferribacteres</i>					0	5,59831E-05	5,09107E-05	0,000582846	0
<i>Bacteria</i>	<i>Deinococcus-Thermus</i>					3,4684E-06	0	1,80215E-07	7,60389E-07	3,02225E-06

<i>Bacteria</i>	<i>Elusimicrobia</i>					0,00673 0554	0,0018705 05	0,00032 8789	0	0,008924 486
<i>Bacteria</i>	<i>Fibrobacteres</i>					0	0,0007466 76	0,00226 435	0,00128 398	0,000893 402
<i>Bacteria</i>	<i>Firmicutes</i>					0,66890 7321	0,5059833 91	0,55612 6004	0,51897 0629	0,599803 485
<i>Bacteria</i>	<i>Fusobacteria</i>					1,7675E -06	6,99645E- 06	0,00051 0223	6,70056 E-05	5,53898E -05
<i>Bacteria</i>	<i>Gemmatimonadetes</i>					0	0	6,20688 E-06	2,12386 E-06	8,22341E -07
<i>Bacteria</i>	<i>Lentisphaerae</i>					4,78326 E-05	0,0004671 8	0,00010 1259	0,00010 2985	0,000146 835
<i>Bacteria</i>	<i>Nitrospirae</i>					0	0	2,1459E -06	0	0
<i>Bacteria</i>	<i>Parcubacteria</i>					0	0	6,24915 E-07	4,02996 E-07	5,61184E -06
<i>Bacteria</i>	<i>Planctomycetes</i>					4,62453 E-06	0,0073235 85	0,01076 8298	0,00928 5983	0,001085 587
<i>Bacteria</i>	<i>Proteobacteria</i>					0,02402 0771	0,0313612 22	0,04860 7827	0,03183 7887	0,069344 776
<i>Bacteria</i>	<i>SR1</i>					0	0	1,41073 E-05	0,00044 25	0
<i>Bacteria</i>	<i>Spirochaetes</i>					8,21604 E-06	0,0247465 71	0,03041 8188	0,02649 0124	0,041474 055
<i>Bacteria</i>	<i>Synergistetes</i>					6,8467E -07	0,0009920 28	4,27386 E-05	0,00060 1401	0,001769 282
<i>Bacteria</i>	<i>Tenericutes</i>					0,00373 4463	0,0012908 28	0,00118 606	0,00267 9968	0,022091 917
<i>Bacteria</i>	<i>Verrucomicrobia</i>					0,00174 1859	0,0090940 64	0,01535 3211	0,02046 6149	0,001939 325
<i>Bacteria</i>	<i>candidate division WPS-1</i>					1,08774 E-06	0	3,5999E -06	0	0
<i>Bacteria</i>	<i>candidate division WPS-2</i>					0	0	3,52987 E-07	0	0

Supplementary table S6. KEGG pathways predicted using PiCRUST to be significantly changed between different groups analyzed. Statistical tests were done in STAMP.

L1	L2	L3	P values	P values (corrected)	Warthogs				Pigs					
					AFR		SPA		COM		AFR		SPF	
					Mean rel. freq (%)	Std. dev (%)	Mean rel. freq (%)	Std. dev (%)	Mean rel. freq (%)	Std. dev (%)	Mean rel. freq (%)	Std. dev (%)	Mean rel. freq (%)	Std. dev (%)
CELL CATABOLISM	Transport and Catabolism	Endocytosis	4.09781082157e-07	0.000123344105729	0.000342789461967	0.000523651413533	6.04685955554e-06	2.18777049229e-06	6.51869572722e-05	0.000147709537854	4.66858713314e-06	9.98578150365e-06	1.91291688442e-07	6.04917432935e-07
	Cell Growth and Death	Cell cycle	9.61485971729e-07	0.00028940727749	2.22273986045e-05	3.22010283245e-05	2.23500258085e-05	1.37561417117e-05	0.00018536723879	0.000225305045482	0.000517703042453	0.000544590600554	0.0	0.0
	Transport and Catabolism	Phagosome	9.61485971729e-07	0.00028940727749	2.22273986045e-05	3.22010283245e-05	2.23500258085e-05	1.37561417117e-05	0.00018536723879	0.000225305045482	0.000517703042453	0.000544598539299	0.0	0.0
PROCESSES	Cell Growth and Death	Meiosis - yeast	5.16394942911e-05	0.0155434877816	0.0065393545565	0.00212902614428	0.00934182286674	0.00272145561536	0.0048612292952	0.00157432936671	0.00694170701491	0.00377924513005	0.00185424875086	0.0019699332037
	Cell Motility	Cytoskeleton proteins	5.19452485522e-05	0.0156355198142	0.386854868843	0.0204445587024	0.3942697703	0.0101090862044	0.379892140406	0.0183170541873	0.365663928783	0.026101486572	0.415661994219	0.0116650795632
	Cell Growth and Death	Apoptosis	0.000138179726666	0.0415920977265	0.000666903462801	0.000974200541604	0.00155965780573	0.000786179263304	0.000763197903572	0.000497984541407	0.000722737959361	0.00210674299203	0.00160092740152	0.000968976639336
ENVIRONMENT	Signal Transduction	mTOR signaling pathway	9.61485971729e-07	0.00028940727749	2.22273986045e-05	3.22010283245e-05	2.23500258085e-05	1.37561417117e-05	0.00018536723879	0.000225305045482	0.000517703042453	0.000544590600554	0.0	0.0
	Signal Transduction	Calcium signaling pathway	1.5373760758e-06	0.000462750198815	6.6479833139e-06	3.85146764023e-06	3.60123132175e-06	2.3001698728e-06	8.12669355932e-07	1.24610254997e-06	0.000123055167355	0.000215798793605	3.17083042996e-07	1.00270462329e-06
	Translation	mRNA surveillance pathway	1.5063661551e-06	0.000453416212685	4.49101491967e-05	6.44436380551e-05	4.48706180361e-05	2.78067220451e-05	0.00037073447758	0.000450610090964	0.00103887376991	0.00108968600916	5.73875065325e-07	1.8147522988e-06

T A L I N F O. P R O C E S.	Transcription	Basal transcription factors	8.65339 616404e-06	0.0026046 7224538	0.002164 37483679	0.001082 39629429	0.002758 5577531	0.000910 552459223	0.001846 90604077	0.000685 147240267	0.004279 36375103	0.002957 62300631	0.000272 619302742	0.000135 553271426
	Translation	Aminoacyl-tRNA biosynthesis	5.65171 93613e-05	0.0170116 752775	1.227678 71563	0.030524 7168651	1.299477 52261	0.023745 6575655	1.276258 21222	0.029143 3353907	1.218845 9441	0.048772 6058102	1.279408 61399	0.024073 8426979
	Replication and Repair	Mismatch repair	9.08257 872495e-05	0.0273385 619621	0.848769 211142	0.027691 4553038	0.891645 658913	0.024528 4061325	0.883446 989728	0.031503 635406	0.847570 557358	0.033049 2250846	0.896031 377282	0.011406 3311112
	Replication and Repair	DNA replication	0.00010 7524104324	0.0323647 554015	0.668660 814322	0.024869 1897252	0.710302 756677	0.024283 2269427	0.707569 520396	0.034265 9834255	0.671966 973623	0.028850 3936423	0.710352 244698	0.010162 0072232
H U M A N D I S E A S E S	Infectious Diseases	Vibrio cholerae infection	8.79348 623188e-07	0.0002646 83935579	2.352901 29049e-05	3.239669 42504e-05	2.632427 9407e-05	1.568380 62678e-05	0.000186 567075269	0.000225 434585571	0.000522 716705692	0.000541 544374191	0.0	0.0
	Infectious Diseases	Measles	9.61485 971729e-07	0.0002894 0727749	2.222739 86045e-05	3.220102 83245e-05	2.235002 58085e-05	1.375614 17117e-05	0.000185 36723879	0.000225 305045482	0.000517 703042453	0.000544 590600554	0.0	0.0
	Infectious Diseases	Hepatitis C	9.61485 971729e-07	0.0002894 0727749	2.222739 86045e-05	3.220102 83245e-05	2.235002 58085e-05	1.375614 17117e-05	0.000185 36723879	0.000225 305045482	0.000517 703042453	0.000544 590600554	0.0	0.0
	Infectious Diseases	Bacterial invasion of epithelial cells	9.83252 094004e-07	0.0002959 58880295	0.001122 51641394	0.000811 90792401	0.000213 808110815	8.754341 55005e-05	0.000153 269525336	8.612098 92503e-05	0.001215 20392184	0.001244 78120419	2.871902 29117e-05	4.328229 7284e-05
	Infectious Diseases	Chagas disease (American trypanosomiasis)	1.64024 166587e-06	0.0004937 12741428	0.001867 31347514	0.001641 99777596	0.000170 360218407	0.000100 718922444	2.774247 75429e-05	2.419844 21175e-05	0.001212 65556663	0.001360 51011194	0.000179 262778424	0.000140 63524857
	Infectious Diseases	Pathogenic Escherichia coli infection	2.22247 661777e-06	0.0006689 6546195	5.220070 92926e-07	1.808285 61372e-06	8.327092 59379e-07	1.665418 51876e-06	0.0	0.0	1.708066 52366e-05	2.064177 49538e-05	0.0	0.0

Biosynthesis of Other Secondary Metabolites	Betalain biosynthesis	1.3107899566e-05	0.00394547776937	2.77682710345e-05	2.15021453025e-05	0.000108162938375	7.36141428172e-05	1.21804090754e-05	1.03918459395e-05	4.7851132443e-06	3.17264567354e-06	1.41920099257e-05	1.20148447353e-05
Metabolism of Cofactors and Vitamins	Thiamine metabolism	1.77679119572e-05	0.00534814149912	0.520059981429	0.0163509370157	0.502639997791	0.00779542099725	0.497573596091	0.0190072808866	0.492587738997	0.0195382498992	0.535738470061	0.0125150897152
Glycan Biosynthesis and Metabolism	Various types of N-glycan biosynthesis	2.2125229313e-05	0.0066596940232	0.000847397851202	0.00101659406246	0.000138427116447	6.6988840598e-05	0.000604296738004	0.000347865632443	0.000708101730544	0.000562215577825	4.49180164645e-05	6.19569354132e-05
Carbohydrate Metabolism	Ascorbate and aldarate metabolism	3.21036509008e-05	0.00966319892113	0.0938887942902	0.0149357203976	0.0875686048813	0.00720927471785	0.0967317688375	0.00960564748208	0.107099999872	0.00816983001043	0.0789469670585	0.00945416102925
Enzyme Families	Cytochrome P450	3.2334590559e-05	0.00973271175826	8.2317664058e-07	1.44280537811e-06	5.93968830523e-06	3.95614384366e-06	0.0	0.0	4.42330464191e-06	6.74766840181e-06	8.89066033201e-07	2.22886935409e-06
Amino Acid Metabolism	Tryptophan metabolism	6.40129399534e-05	0.019267894926	0.158736409183	0.0445127395087	0.13748536757	0.00672017966174	0.138638300515	0.0222328508945	0.161902344292	0.0279926121283	0.116954098858	0.01215207806
Xenobiotics Biodegradation and Metabolism	Caprolactam degradation	0.000111163581496	0.0334602380304	0.0267789543816	0.0189501408953	0.0166959249387	0.00318572994875	0.0178938966622	0.00715410173103	0.0283914104892	0.0112523050861	0.0119489092874	0.00487277962568
Energy Metabolism	Carbon fixation pathways in prokaryotes	0.000146803103163	0.044187734052	0.977241042032	0.0542353185094	1.03670178548	0.0383416680114	1.06532643057	0.0457424852137	1.01475518498	0.0298934180376	1.06909139864	0.0268037146514

O R G A N I S M A L S Y S T E M S	Immune System	Fc gamma R-mediated phagocytosis	4.09781082157e-07	0.000123344105729	0.000342789461967	0.000523651413533	6.04685955554e-06	2.18777049229e-06	6.51869572722e-05	0.000147709537854	4.66858713314e-06	9.98578150365e-06	1.91291688442e-07	6.04917432935e-07
	Endocrine System	GnRH signaling pathway	4.09781082157e-07	0.000123344105729	0.000342789461967	0.000523651413533	6.04685955554e-06	2.18777049229e-06	6.51869572722e-05	0.000147709537854	4.66858713314e-06	9.98578150365e-06	1.91291688442e-07	6.04917432935e-07
	Digestive System	Bile secretion	4.64191398876e-07	0.000139721611062	0.000920887914386	0.000806030453882	0.00231139167065	0.0009707450345	0.000441791850539	0.000191964695549	0.00152896770611	0.001147629675	1.98712483789e-06	3.48784587731e-06
	Nervous System	Glutamate synapse	1.45564846773e-06	0.000438150188786	0.0984749862613	0.00275767243797	0.104479002346	0.00470898883099	0.101341572865	0.00300343070117	0.0970547357937	0.0030590763592	0.108339812062	0.0020428690882
	Endocrine System	Adipocytokine signaling pathway	3.70308047192e-05	0.0111462722205	0.0698923227173	0.00536551295609	0.0796454379488	0.00257528661938	0.0778338209433	0.0101125369081	0.0676475279967	0.00805251605304	0.0844790629791	0.00461817045052
	Endocrine System	PPAR signaling pathway	0.000122022753208	0.0367288487156	0.108924955447	0.00995287393643	0.119899280353	0.00236974997165	0.113038325144	0.0070209516711	0.107197164684	0.0068511341699	0.122791903937	0.0058796060649