

Supplementary Table 4. Bacterial taxa identified by mNGS using an RPM ratio metric

*re-classified to a higher taxonomic rank because reads aligned equally well to multiple different organisms that shared the same species, genus or family

#positive result according to an RPM (reads per million) ratio ≥ 10 , where the RPM ratio = RPM(sample) / RPM(NTC)

⁸reads correspond to the *Streptococcus agalactiae* PC

Abbreviations: PC, positive control; CSF, cerebrospinal fluid; mNGS, metagenomic next-generation sequencing; RPM, reads per million

species	genus	family	Normalized Reads Per million	
			DNA PC	DNA Patient CSF
*	Brucella	Brucellaceae	0.0	15.7 [#]
Brucella melitensis	Brucella	Brucellaceae	0.0	1.6
<i>Streptococcus agalactiae</i>	Streptococcus	Streptococcaceae	3,264.1 [#]	0.0
Klebsiella pneumoniae	Klebsiella	Enterobacteriaceae	52.9 [#]	0.0
*	*	Enterobacteriaceae	0.1	0.0
<i>Escherichia coli</i>	Escherichia	Enterobacteriaceae	0.0	0.0
<i>Propionibacterium acnes</i>	Propionibacterium	Propionibacteriaceae	0.0	0.0
*	Streptococcus	Streptococcaceae	8.7	0.0
*	Klebsiella	Enterobacteriaceae	41.6 [#]	0.0
*	*	*	0.0	0.0
<i>Streptococcus suis</i>	Streptococcus	Streptococcaceae	16.2 ^{#&}	0.0
<i>Streptococcus salivarius</i>	Streptococcus	Streptococcaceae	1.0	0.0
<i>Streptococcus pyogenes</i>	Streptococcus	Streptococcaceae	30.7 ^{#&}	0.0
<i>Serratia marcescens</i>	Serratia	Enterobacteriaceae	2.3	0.0
<i>Lactococcus lactis</i>	Lactococcus	Streptococcaceae	0.4	0.0
*	Escherichia	Enterobacteriaceae	0.0	0.0
<i>Pseudomonas</i> sp. TKP	Pseudomonas	Pseudomonadaceae	0.1	0.0
*	Pseudomonas	Pseudomonadaceae	0.2	0.0
<i>Streptococcus macedonicus</i>	Streptococcus	Streptococcaceae	18.2 ^{#&}	0.0
<i>Enterobacter cloacae</i>	Enterobacter	Enterobacteriaceae	0.4	0.0
<i>Klebsiella oxytoca</i>	Klebsiella	Enterobacteriaceae	0.7	0.0
<i>Thermoanaerobacterium thermosaccharolyticum</i>	Thermoanaerobacterium	Thermoanaerobacterales	0.2	0.0
<i>Streptococcus</i> sp. VT 162	Streptococcus	Streptococcaceae	0.6	0.0
<i>Enterococcus faecium</i>	Enterococcus	Enterococcaceae	0.1	0.1
<i>Pseudomonas protegens</i>	Pseudomonas	Pseudomonadaceae	3.0	0.1
<i>Micrococcus luteus</i>	Micrococcus	Micrococcaceae	0.0	0.0

<i>Streptococcus infantarius</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.5	0.0
<i>Staphylococcus epidermidis</i>	<i>Staphylococcus</i>	<i>Staphylococcaceae</i>	0.0	0.0
<i>Enterobacter asburiae</i>	<i>Enterobacter</i>	<i>Enterobacteriaceae</i>	0.2	0.0
<i>Cupriavidus metallidurans</i>	<i>Cupriavidus</i>	<i>Burkholderiaceae</i>	0.0	0.0
<i>Pseudomonas putida</i>	<i>Pseudomonas</i>	<i>Pseudomonadaceae</i>	0.1	0.0
<i>Enterococcus casseliflavus</i>	<i>Enterococcus</i>	<i>Enterococcaceae</i>	0.1	0.1
<i>Streptococcus mitis</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.6	0.0
<i>Streptococcus equi</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	5.2	0.0
<i>Salmonella enterica</i>	<i>Salmonella</i>	<i>Enterobacteriaceae</i>	4.9	0.0
<i>Streptococcus oralis</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.5	0.0
<i>Klebsiella variicola</i>	<i>Klebsiella</i>	<i>Enterobacteriaceae</i>	4.3	0.0
<i>Burkholderia lata</i>	<i>Burkholderia</i>	<i>Burkholderiaceae</i>	0.3	0.0
<i>Pseudomonas stutzeri</i>	<i>Pseudomonas</i>	<i>Pseudomonadaceae</i>	0.0	0.0
<i>Streptococcus pneumoniae</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.4	0.0
<i>Streptococcus dysgalactiae</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	3.7	0.0
*	<i>Burkholderia</i>	<i>Burkholderiaceae</i>	0.1	0.0
<i>Pseudomonas fluorescens</i>	<i>Pseudomonas</i>	<i>Pseudomonadaceae</i>	0.4	0.0
<i>Acinetobacter guillouiae</i>	<i>Acinetobacter</i>	<i>Moraxellaceae</i>	0.1	0.0
<i>Veillonella parvula</i>	<i>Veillonella</i>	<i>Veillonellaceae</i>	0.1	0.0
<i>Xanthomonas campestris</i>	<i>Xanthomonas</i>	<i>Xanthomonadaceae</i>	0.1	0.1
<i>Exiguobacterium sp. AT1b</i>	<i>Exiguobacterium</i>		0.1	0.0
<i>Pseudomonas pseudoalcaligenes</i>	<i>Pseudomonas</i>	<i>Pseudomonadaceae</i>	0.0	0.0
<i>Streptococcus pasteurianus</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	2.8	0.0
<i>Rothia dentocariosa</i>	<i>Rothia</i>	<i>Micrococcaceae</i>	0.1	0.0
*	*	<i>Streptococcaceae</i>	2.6	0.0
<i>Delftia acidovorans</i>	<i>Delftia</i>	<i>Comamonadaceae</i>	0.5	0.0
*	<i>Propionibacterium</i>	<i>Propionibacteriaceae</i>	0.0	0.0
<i>Acinetobacter baumannii</i>	<i>Acinetobacter</i>	<i>Moraxellaceae</i>	0.0	0.0
<i>Streptococcus parasanguinis</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.0	0.0
<i>Pseudomonas sp. WCS374</i>	<i>Pseudomonas</i>	<i>Pseudomonadaceae</i>	0.8	0.0
<i>Enterobacter aerogenes</i>	<i>Enterobacter</i>	<i>Enterobacteriaceae</i>	2.3	0.0
<i>Stenotrophomonas maltophilia</i>	<i>Stenotrophomonas</i>	<i>Xanthomonadaceae</i>	0.2	0.0
<i>Alicyclobacillus acidocaldarius</i>	<i>Alicyclobacillus</i>	<i>Alicyclobacillaceae</i>	0.2	0.0
<i>Haemophilus influenzae</i>	<i>Haemophilus</i>	<i>Pasteurellaceae</i>	0.1	0.0
<i>Rothia mucilaginosa</i>	<i>Rothia</i>	<i>Micrococcaceae</i>	0.0	0.0
<i>Staphylococcus xylosus</i>	<i>Staphylococcus</i>	<i>Staphylococcaceae</i>	0.2	0.0
<i>Acidovorax sp. JS42</i>	<i>Acidovorax</i>	<i>Comamonadaceae</i>	0.1	0.0
*	<i>Rahnella</i>	<i>Enterobacteriaceae</i>	1.8	0.0
<i>Streptococcus pseudopneumoniae</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.3	0.0
<i>Streptococcus thermophilus</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.1	0.0
<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas</i>	<i>Pseudomonadaceae</i>	0.1	0.0

<i>Corynebacterium kroppenstedtii</i>	<i>Corynebacterium</i>	<i>Corynebacteriaceae</i>	1.6	0.0
<i>Staphylococcus haemolyticus</i>	<i>Staphylococcus</i>	<i>Staphylococcaceae</i>	0.0	0.0
<i>Serratia</i> sp. SCBI	<i>Serratia</i>	<i>Enterobacteriaceae</i>	1.5	0.0
*	<i>Enterococcus</i>	<i>Enterococcaceae</i>	0.1	0.0
<i>Staphylococcus warneri</i>	<i>Staphylococcus</i>	<i>Staphylococcaceae</i>	0.0	0.0
<i>Burkholderia cepacia</i>	<i>Burkholderia</i>	<i>Burkholderiaceae</i>	0.1	0.1
*	<i>Corynebacterium</i>	<i>Corynebacteriaceae</i>	0.0	0.0
<i>Comamonas testosteroni</i>	<i>Comamonas</i>	<i>Comamonadaceae</i>	0.0	0.0
<i>Bifidobacterium thermophilum</i>	<i>Bifidobacterium</i>	<i>Bifidobacteriaceae</i>	1.3	0.0
*	<i>Lactobacillus</i>	<i>Lactobacillaceae</i>	0.2	0.0
<i>Thermoanaerobacterium xylanolyticum</i>	<i>Thermoanaerobacterium</i>	<i>Thermoanaerobacterales</i>	0.1	0.0
<i>Ralstonia pickettii</i>	<i>Ralstonia</i>	<i>Burkholderiaceae</i>	0.1	0.0
<i>Meiothermus ruber</i>	<i>Meiothermus</i>	<i>Thermaceae</i>	0.0	0.0
<i>Acidovorax ebreus</i>	<i>Acidovorax</i>	<i>Comamonadaceae</i>	0.7	0.0
<i>Micrococcus</i> sp. V7	<i>Micrococcus</i>	<i>Micrococcaceae</i>	0.2	0.0
<i>Leuconostoc mesenteroides</i>	<i>Leuconostoc</i>	<i>Leuconostocaceae</i>	0.0	0.0
<i>Bacillus halodurans</i>	<i>Bacillus</i>	<i>Bacillaceae</i>	0.7	0.0
<i>Corynebacterium variabile</i>	<i>Corynebacterium</i>	<i>Corynebacteriaceae</i>	0.3	0.0
*	<i>Acidovorax</i>	<i>Comamonadaceae</i>	0.1	0.0
<i>Bifidobacterium bifidum</i>	<i>Bifidobacterium</i>	<i>Bifidobacteriaceae</i>	0.0	0.0
<i>Rhizobium</i> sp. IRBG74	<i>Rhizobium</i>	<i>Rhizobiaceae</i>	0.0	0.0
*	<i>Acinetobacter</i>	<i>Moraxellaceae</i>	0.0	0.0
<i>Acinetobacter calcoaceticus</i>	<i>Acinetobacter</i>	<i>Moraxellaceae</i>	1.0	0.0
<i>Chroococcidiopsis thermalis</i>	<i>Chroococcidiopsis</i>		0.2	0.0
<i>Streptococcus sanguinis</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.1	0.0
<i>Acidovorax</i> sp. KKS102	<i>Acidovorax</i>	<i>Comamonadaceae</i>	0.1	0.0
<i>Raoultella ornithinolytica</i>	<i>Raoultella</i>	<i>Enterobacteriaceae</i>	0.1	0.0
<i>Ochrobactrum anthropi</i>	<i>Ochrobactrum</i>	<i>Brucellaceae</i>	0.0	0.0
<i>Lactobacillus johnsonii</i>	<i>Lactobacillus</i>	<i>Lactobacillaceae</i>	0.6	0.1
<i>Methylobacterium populi</i>	<i>Methylobacterium</i>	<i>Methylobacteriaceae</i>	0.2	0.0
<i>Rhodococcus equi</i>	<i>Rhodococcus</i>	<i>Nocardiaceae</i>	0.1	0.0
<i>Lactobacillus helveticus</i>	<i>Lactobacillus</i>	<i>Lactobacillaceae</i>	0.9	0.0
*	<i>Serratia</i>	<i>Enterobacteriaceae</i>	0.2	0.0
<i>Burkholderia cenocepacia</i>	<i>Burkholderia</i>	<i>Burkholderiaceae</i>	0.3	0.0
*	<i>Staphylococcus</i>	<i>Staphylococcaceae</i>	0.0	0.0
<i>Enterobacter</i> sp. R4-368	<i>Enterobacter</i>	<i>Enterobacteriaceae</i>	0.8	0.0
<i>Propionibacterium propionicum</i>	<i>Propionibacterium</i>	<i>Propionibacteriaceae</i>	0.1	0.0
<i>Streptococcus gordonii</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.1	0.0
<i>Corynebacterium singulare</i>	<i>Corynebacterium</i>	<i>Corynebacteriaceae</i>	0.1	0.0
<i>Burkholderia ambifaria</i>	<i>Burkholderia</i>	<i>Burkholderiaceae</i>	0.7	0.1
*	<i>Micrococcus</i>	<i>Micrococcaceae</i>	0.0	0.0

<i>Fervidobacterium nodosum</i>	<i>Fervidobacterium</i>	Thermotogaceae	0.0	0.0
<i>Aeromonas media</i>	<i>Aeromonas</i>	Aeromonadaceae	0.0	0.0
<i>Cronobacter sakazakii</i>	<i>Cronobacter</i>	Enterobacteriaceae	0.7	0.0
<i>Myroides profundi</i>	<i>Myroides</i>	Flavobacteriaceae	0.7	0.0
<i>Methylobacterium oryzae</i>	<i>Methylobacterium</i>	Methylobacteriaceae	0.7	0.0
*	<i>Xanthomonas</i>	Xanthomonadaceae	0.3	0.0
<i>Thermoanaerobacterium saccharolyticum</i>	<i>Thermoanaerobacterium</i>	Thermoanaerobacterales	0.1	0.0
<i>Pseudomonas mendocina</i>	<i>Pseudomonas</i>	Pseudomonadaceae	0.0	0.0
<i>Corynebacterium ureicelerivorans</i>	<i>Corynebacterium</i>	Corynebacteriaceae	0.0	0.0
<i>Lactobacillus crispatus</i>	<i>Lactobacillus</i>	Lactobacillaceae	0.0	0.0
<i>Alicycliphilus denitrificans</i>	<i>Alicycliphilus</i>	Comamonadaceae	0.0	0.0
<i>Gardnerella vaginalis</i>	<i>Gardnerella</i>	Bifidobacteriaceae	0.0	0.0
*	<i>Gemella</i>		0.6	0.0
*	<i>Ralstonia</i>	Burkholderiaceae	0.6	0.0
<i>Eggerthella lenta</i>	<i>Eggerthella</i>	Coriobacteriaceae	0.6	0.0
*	*	Rhizobiaceae	0.5	0.0
<i>Prevotella denticola</i>	<i>Prevotella</i>	Prevotellaceae	0.2	0.0
<i>Prevotella intermedia</i>	<i>Prevotella</i>	Prevotellaceae	0.2	0.0
<i>Psychrobacter sp. PRwf-1</i>	<i>Psychrobacter</i>	Moraxellaceae	0.1	0.0
<i>Azospira oryzae</i>	<i>Azospira</i>	Rhodocyclaceae	0.1	0.0
<i>Acinetobacter haemolyticus</i>	<i>Acinetobacter</i>	Moraxellaceae	0.1	0.0
*	<i>Delftia</i>	Comamonadaceae	0.1	0.0
<i>Burkholderia contaminans</i>	<i>Burkholderia</i>	Burkholderiaceae	0.4	0.2
<i>Arthrobacter arilaitensis</i>	<i>Arthrobacter</i>	Micrococcaceae	0.1	0.1
<i>Dermacoccus nishinomiyaensis</i>	<i>Dermacoccus</i>	Dermacoccaceae	0.1	0.1
<i>Pantoea ananatis</i>	<i>Pantoea</i>	Enterobacteriaceae	0.1	0.0
<i>Staphylococcus saprophyticus</i>	<i>Staphylococcus</i>	Staphylococcaceae	0.0	0.0
<i>Staphylococcus pasteurii</i>	<i>Staphylococcus</i>	Staphylococcaceae	0.0	0.0
<i>Rahnella aquatilis</i>	<i>Rahnella</i>	Enterobacteriaceae	0.5	0.0
<i>Rahnella sp. Y9602</i>	<i>Rahnella</i>	Enterobacteriaceae	0.5	0.0
<i>Campylobacter concisus</i>	<i>Campylobacter</i>	Campylobacteraceae	0.5	0.0
<i>Geobacillus sp. WCH70</i>	<i>Geobacillus</i>	Bacillaceae	0.5	0.0
*	<i>Frankia</i>	Frankiaceae	0.5	0.0
<i>Lactobacillus casei</i>	<i>Lactobacillus</i>	Lactobacillaceae	0.5	0.0
<i>Thiomonas intermedia</i>	<i>Thiomonas</i>		0.5	0.0
<i>Streptococcus gallolyticus</i>	<i>Streptococcus</i>	Streptococcaceae	0.5	0.0
<i>Thioalkalivibrio sulfidiphilus</i>	<i>Thioalkalivibrio</i>	Ectothiorhodospiraceae	0.3	0.0
*	<i>Bradyrhizobium</i>	Bradyrhizobiaceae	0.2	0.0
<i>Bifidobacterium longum</i>	<i>Bifidobacterium</i>	Bifidobacteriaceae	0.1	0.0
<i>Corynebacterium falsenii</i>	<i>Corynebacterium</i>	Corynebacteriaceae	0.1	0.0
<i>Delftia sp. Cs1-4</i>	<i>Delftia</i>	Comamonadaceae	0.1	0.0

Acinetobacter sp. M131	Acinetobacter	Moraxellaceae	0.0	0.0
Prevotella melaninogenica	Prevotella	Prevotellaceae	0.0	0.0
*	*	Comamonadaceae	0.0	0.0
Leuconostoc carnosum	Leuconostoc	Leuconostocaceae	0.2	0.0
Pectobacterium carotovorum	Pectobacterium	Enterobacteriaceae	0.0	0.0
*	Myroides	Flavobacteriaceae	0.4	0.0
*	Erwinia	Enterobacteriaceae	0.4	0.0
Gordonia sp. KTR9	Gordonia	Gordoniaceae	0.4	0.0
Paenibacillus sp. FSL R7-0273	Paenibacillus	Paenibacillaceae	0.4	0.0
Paracoccus sp. N81106	Paracoccus	Rhodobacteraceae	0.4	0.0
Sphingobium fuliginis	Sphingobium	Sphingomonadaceae	0.4	0.0
*	*		0.4	0.0
*	Geobacillus	Bacillaceae	0.2	0.0
Pseudomonas sp. VLB120	Pseudomonas	Pseudomonadaceae	0.2	0.0
Pelagibacterium halotolerans	Pelagibacterium	Hyphomicrobiaceae	0.1	0.0
Streptococcus intermedius	Streptococcus	Streptococcaceae	0.1	0.0
Propionibacterium freudenreichii	Propionibacterium	Propionibacteriaceae	0.1	0.0
*	Enterobacter	Enterobacteriaceae	0.0	0.0
Nakamurella multipartita	Nakamurella	Nakamurellaceae	0.1	0.1
Haemophilus parasuis	Haemophilus	Pasteurellaceae	0.3	0.0
Fusobacterium nucleatum	Fusobacterium	Fusobacteriaceae	0.3	0.0
Citrobacter freundii	Citrobacter	Enterobacteriaceae	0.3	0.0
Ruminococcus sp. SR1/5	Ruminococcus	Ruminococcaceae	0.2	0.0
Pseudoxanthomonas spadix	Pseudoxanthomonas	Xanthomonadaceae	0.2	0.0
Lactococcus garvieae	Lactococcus	Streptococcaceae	0.1	0.0
Neisseria elongata	Neisseria	Neisseriaceae	0.1	0.0
Acidovorax citrulli	Acidovorax	Comamonadaceae	0.1	0.0
Novosphingobium pentaromaticivorans	Novosphingobium	Sphingomonadaceae	0.1	0.0
Citrobacter koseri	Citrobacter	Enterobacteriaceae	0.1	0.0
Methyllobacterium aquaticum	Methyllobacterium	Methyllobacteriaceae	0.1	0.0
Pseudomonas denitrificans	Pseudomonas	Pseudomonadaceae	0.1	0.0
Rhodococcus erythropolis	Rhodococcus	Nocardiaceae	0.0	0.0
Lactobacillus reuteri	Lactobacillus	Lactobacillaceae	0.0	0.0
Bacteroides fragilis	Bacteroides	Bacteroidaceae	0.0	0.0
Lactobacillus plantarum	Lactobacillus	Lactobacillaceae	0.0	0.0
*	Bacillus	Bacillaceae	0.0	0.0
Pseudomonas rhizosphaerae	Pseudomonas	Pseudomonadaceae	0.2	0.1
Achromobacter xylosoxidans	Achromobacter	Alcaligenaceae	0.0	0.0
Lactobacillus amylovorus	Lactobacillus	Lactobacillaceae	0.2	0.0
Propionibacterium acidipropionici	Propionibacterium	Propionibacteriaceae	0.2	0.0
Leuconostoc gelidum	Leuconostoc	Leuconostocaceae	0.2	0.0

Weissella thailandensis	Weissella	Leuconostocaceae	0.2	0.0
Pandoraea sp. RB-44	Pandoraea	Burkholderiaceae	0.2	0.0
Escherichia vulneris	Escherichia	Enterobacteriaceae	0.2	0.0
Yersinia intermedia	Yersinia	Enterobacteriaceae	0.2	0.0
Flavobacteriaceae bacterium 3519-10		Flavobacteriaceae	0.2	0.0
*	Rhodococcus	Nocardiaceae	0.2	0.0
Streptococcus sp. (N1)	Streptococcus	Streptococcaceae	0.2	0.0
*	Methylobacterium	Methylobacteriaceae	0.1	0.0
Sphingomonas sp. MM-1	Sphingomonas	Sphingomonadaceae	0.1	0.0
Rhizobium etli	Rhizobium	Rhizobiaceae	0.1	0.0
*	Agrobacterium	Rhizobiaceae	0.0	0.0
Thermus scotoductus	Thermus	Thermaceae	0.0	0.0
Methylobacterium extorquens	Methylobacterium	Methylobacteriaceae	0.0	0.0
Streptococcus sp. I-P16	Streptococcus	Streptococcaceae	0.0	0.0
Pantoea sp. PSNIH1	Pantoea	Enterobacteriaceae	0.0	0.0
Methylobacterium radiotolerans	Methylobacterium	Methylobacteriaceae	0.0	0.0
[Ruminococcus] torques	Blautia	Lachnospiraceae	0.1	0.4
Lactobacillus sakei	Lactobacillus	Lactobacillaceae	0.1	0.1
*	*	Rhodocyclaceae	0.1	0.1
Bacillus licheniformis	Bacillus	Bacillaceae	0.0	0.1
Corynebacterium accolens	Corynebacterium	Corynebacteriaceae	0.1	0.0
Corynebacterium sp. ATCC 6931	Corynebacterium	Corynebacteriaceae	0.1	0.0
Serratia symbiotica	Serratia	Enterobacteriaceae	0.1	0.0
Lactobacillus delbrueckii	Lactobacillus	Lactobacillaceae	0.1	0.0
Bacillus sp. YP1	Bacillus	Bacillaceae	0.1	0.0
Klebsiella sp. PG122E	Klebsiella	Enterobacteriaceae	0.1	0.0
*	Rathayibacter	Microbacteriaceae	0.1	0.0
Pseudoalteromonas sp. P30	Pseudoalteromonas	Pseudoalteromonadacea	0.1	0.0
Staphylococcus sp. CDC25	Staphylococcus	Staphylococcaceae	0.1	0.0
Corynebacterium resistens	Corynebacterium	Corynebacteriaceae	0.1	0.0
Shigella dysenteriae	Shigella	Enterobacteriaceae	0.1	0.0
*	*	Xanthomonadaceae	0.1	0.0
Agrobacterium fabrum	Agrobacterium	Rhizobiaceae	0.0	0.0
Gordonia polyisoprenivorans	Gordonia	Gordoniaceae	0.0	0.0
Pseudomonas balearica	Pseudomonas	Pseudomonadaceae	0.0	0.0
*	*	Pseudomonadaceae	0.0	0.0
Ruminococcus bromii	Ruminococcus	Ruminococcaceae	0.0	0.0
Brachybacterium faecium	Brachybacterium	Dermabacteraceae	0.0	0.0
Acinetobacter johnsonii	Acinetobacter	Moraxellaceae	0.0	0.0
Micrococcus sp. A1	Micrococcus	Micrococcaceae	0.0	0.0
Filifactor alocis	Filifactor	Peptostreptococcaceae	0.0	0.0

Pantoea vagans	Pantoea	Enterobacteriaceae	0.0	0.0
Haemophilus parainfluenzae	Haemophilus	Pasteurellaceae	0.0	0.0
Pantoea rwandensis	Pantoea	Enterobacteriaceae	0.0	0.3
Corynebacterium vitaeruminis	Corynebacterium	Corynebacteriaceae	0.0	0.2
Pseudomonas poae	Pseudomonas	Pseudomonadaceae	0.0	0.1
*	*	Brucellaceae	0.0	0.1
Lactobacillus fermentum	Lactobacillus	Lactobacillaceae	0.0	0.1
Anabaena variabilis	Anabaena	Nostocaceae	0.0	0.1
Sphingobacterium sp. ML3W	Sphingobacterium	Sphingobacteriaceae	0.0	0.1
sugarcane isolate 74-1			0.0	0.1
*	*	Geodermatophilaceae	0.0	0.1
Megasphaera elsdenii	Megasphaera	Veillonellaceae	0.0	0.1
Pseudoxanthomonas suwonensis	Pseudoxanthomonas	Xanthomonadaceae	0.0	0.1
Corynebacterium glutamicum	Corynebacterium	Corynebacteriaceae	0.0	0.0
Sphingomonas taxi	Sphingomonas	Sphingomonadaceae	0.0	0.0
Pseudomonas graminis	Pseudomonas	Pseudomonadaceae	0.0	0.0
Bradyrhizobium sp. BTAi1	Bradyrhizobium	Bradyrhizobiaceae	0.0	0.0
Enterococcus hirae	Enterococcus	Enteroccaceae	0.0	0.0
Corynebacterium sp. L2-79-05	Corynebacterium	Corynebacteriaceae	0.0	0.0
Arthrobacter phenanthrenivorans	Arthrobacter	Micrococcaceae	0.0	0.0
Corynebacterium maris	Corynebacterium	Corynebacteriaceae	0.0	0.0
Gordonia bronchialis	Gordonia	Gordoniaceae	0.0	0.0
Kytococcus sedentarius	Kytococcus	Dermacoccaceae	0.0	0.0
Kosakonia cowanii	Kosakonia	Enterobacteriaceae	0.0	0.0
Xenorhabdus bovenii	Xenorhabdus	Enterobacteriaceae	0.0	0.0
Paracoccus haemundaensis	Paracoccus	Rhodobacteraceae	0.0	0.0
Methyllobacterium sp. 238	Methyllobacterium	Methyllobacteriaceae	0.0	0.0
Acinetobacter sp. BW3	Acinetobacter	Moraxellaceae	0.0	0.0
Aeromonas sobria	Aeromonas	Aeromonadaceae	0.0	0.0
Bacillus lehensis	Bacillus	Bacillaceae	0.0	0.0
Ralstonia solanacearum	Ralstonia	Burkholderiaceae	0.0	0.0
Citrobacter sp. FPO3	Citrobacter	Enterobacteriaceae	0.0	0.0
Citrobacter sp. I91-3	Citrobacter	Enterobacteriaceae	0.0	0.0
Erwinia amylovora	Erwinia	Enterobacteriaceae	0.0	0.0
Klebsiella milletis	Klebsiella	Enterobacteriaceae	0.0	0.0
Salmonella bongori	Salmonella	Enterobacteriaceae	0.0	0.0
Serratia grimesii	Serratia	Enterobacteriaceae	0.0	0.0
Yersinia pestis	Yersinia	Enterobacteriaceae	0.0	0.0
*		Enterobacteriaceae	0.0	0.0
Lactobacillus brevis	Lactobacillus	Lactobacillaceae	0.0	0.0
Kocuria sp. starX	Kocuria	Micrococcaceae	0.0	0.0

Acinetobacter sp. 26	Acinetobacter	Moraxellaceae	0.0	0.0
Peptoclostridium difficile	Peptoclostridium	Peptostreptococcaceae	0.0	0.0
Sorangium cellulosum	Sorangium	Polyangiaceae	0.0	0.0
Pseudomonas sp. NSi14	Pseudomonas	Pseudomonadaceae	0.0	0.0
Synergistetes oral clone 03 5 D05			0.0	0.0
bacterium EBAD26			0.0	0.0
bacterium NLAE-zl-G351			0.0	0.0
rumen bacterium enrichment culture clone Y74			0.0	0.0
unidentified marine bacterioplankton			0.0	0.0
Escherichia albertii	Escherichia	Enterobacteriaceae	0.0	0.0
Mobiluncus curtisii	Mobiluncus	Actinomycetaceae	0.0	0.0
*	Caulobacter	Caulobacteraceae	0.0	0.0
Methylotenera versatilis	Methylotenera	Methylophilaceae	0.0	0.0
Propionibacterium sp. KPL1849	Propionibacterium	Propionibacteriaceae	0.0	0.0
bacterium EBAD25			0.0	0.0
Bacillus sp. Pc3	Bacillus	Bacillaceae	0.0	0.0
Acinetobacter sp. EVA14	Acinetobacter	Moraxellaceae	0.0	0.0
Agrobacterium sp.	Agrobacterium	Rhizobiaceae	0.0	0.0
Alistipes shahii	Alistipes	Rikenellaceae	0.0	0.0
*	Thermus	Thermaceae	0.0	0.0
*	Methylibium		0.0	0.0
butyrate-producing bacterium SSC/2			0.0	0.0
Escherichia fergusonii	Escherichia	Enterobacteriaceae	0.0	0.0
Enterobacter sp. Ni15	Enterobacter	Enterobacteriaceae	0.0	0.0
Capnocytophaga ochracea	Capnocytophaga	Flavobacteriaceae	0.0	0.0
Thauera sp. 6NLG	Thauera	Rhodocyclaceae	0.0	0.0
Desulfovibrio alaskensis	Desulfovibrio	Desulfovibrionaceae	0.0	0.0
Variovorax sp. Alb14	Variovorax	Comamonadaceae	0.0	0.0
*	Shigella	Enterobacteriaceae	0.0	0.0
*	*	Micromonosporaceae	0.0	0.0
*	Micromonospora	Micromonosporaceae	0.0	0.0
Thermobifida fusca	Thermobifida	Nocardiopsaceae	0.0	0.0
Turneriella parva	Turneriella	Leptospiraceae	0.0	0.0
[Clostridium] sticklandii	Peptoclostridium	Peptostreptococcaceae	0.0	0.0
Acinetobacter sp. Ooi24	Acinetobacter	Moraxellaceae	0.0	0.0
Ochrobactrum sp. SJY1	Ochrobactrum	Brucellaceae	0.0	0.0
Carnobacterium sp. WN1359	Carnobacterium	Carnobacteriaceae	0.0	0.0
Iamia majanohamensis	Iamia	Iamiaceae	0.0	0.0
Saccharomonospora viridis	Saccharomonospora	Pseudonocardiaceae	0.0	0.0
Rhizobium sp.	Rhizobium	Rhizobiaceae	0.0	0.0
Staphylococcus sp. CDC3	Staphylococcus	Staphylococcaceae	0.0	0.0

<i>Shigella sonnei</i>	<i>Shigella</i>	Enterobacteriaceae	0.0	0.0
<i>Pseudomonas syringae</i>	<i>Pseudomonas</i>	Pseudomonadaceae	0.0	0.0
<i>Burkholderia vietnamensis</i>	<i>Burkholderia</i>	Burkholderiaceae	0.0	0.0
<i>Shigella boydii</i>	<i>Shigella</i>	Enterobacteriaceae	0.0	0.0
<i>Bacillus weihenstephanensis</i>	<i>Bacillus</i>	Bacillaceae	0.0	0.0
<i>Erythrobacter litoralis</i>	<i>Erythrobacter</i>	Erythrobacteraceae	0.0	0.0
<i>Pseudoalteromonas haloplanktis</i>	<i>Pseudoalteromonas</i>	Pseudoalteromonadacea	0.0	0.0
<i>Pseudomonas</i> sp. FGI182	<i>Pseudomonas</i>	Pseudomonadaceae	0.0	0.0
*	<i>Rhizobium</i>	Rhizobiaceae	0.0	0.0
*	<i>Rickettsia</i>	Rickettsiaceae	0.0	0.0
<i>Sphingobium yanoikuyae</i>	<i>Sphingobium</i>	Sphingomonadaceae	0.0	0.0
<i>Stenotrophomonas rhizophila</i>	<i>Stenotrophomonas</i>	Xanthomonadaceae	0.0	0.0
*	<i>Leuconostoc</i>	Leuconostocaceae	0.0	0.0
<i>Aquincola tertiaricarbonis</i>	<i>Aquincola</i>		0.0	0.0
<i>Nocardiopsis dassonvillei</i>	<i>Nocardiopsis</i>	Nocardiopsaceae	0.0	0.0
<i>Carnobacterium maltaromaticum</i>	<i>Carnobacterium</i>	Carnobacteriaceae	0.0	0.0
*	<i>Haemophilus</i>	Pasteurellaceae	0.0	0.0
<i>Bordetella parapertussis</i>	<i>Bordetella</i>	Alcaligenaceae	0.0	0.0
*	<i>Dietzia</i>	Dietziaceae	0.0	0.0
<i>Shewanella</i> sp. W3-18-1	<i>Shewanella</i>	Shewanellaceae	0.0	0.0
<i>Sphingomonas</i> sp. NP5	<i>Sphingomonas</i>	Sphingomonadaceae	0.0	0.0
<i>Staphylococcus gallinarum</i>	<i>Staphylococcus</i>	Staphylococcaceae	0.0	0.0
<i>Micavibrio aeruginosavorus</i>	<i>Micavibrio</i>		0.0	0.0
<i>Paracoccus denitrificans</i>	<i>Paracoccus</i>	Rhodobacteraceae	0.0	0.0
[<i>Cellvibrio</i>] <i>gilvus</i>	<i>Cellulomonas</i>	Cellulomonadaceae	0.0	0.0
<i>Corynebacterium jeikeium</i>	<i>Corynebacterium</i>	Corynebacteriaceae	0.0	0.0
*	*	Staphylococcaceae	0.0	0.0
<i>Meiothermus silvanus</i>	<i>Meiothermus</i>	Thermaceae	0.0	0.0
<i>Asticcacaulis excentricus</i>	<i>Asticcacaulis</i>	Caulobacteraceae	0.0	0.0
*	<i>Atopobium</i>	Coriobacteriaceae	0.0	0.0
<i>Streptococcus constellatus</i>	<i>Streptococcus</i>	Streptococcaceae	0.0	0.0
<i>Microcystis aeruginosa</i>	<i>Microcystis</i>		0.0	0.0
agricultural soil bacterium SC-I-13			0.0	0.0
[<i>Ruminococcus</i>] <i>obeum</i>	<i>Blautia</i>	Lachnospiraceae	0.0	0.0
<i>Thermus thermophilus</i>	<i>Thermus</i>	Thermaceae	0.0	0.0
<i>Shigella flexneri</i>	<i>Shigella</i>	Enterobacteriaceae	0.0	0.0
*	<i>Mycobacterium</i>	Mycobacteriaceae	0.0	0.0
<i>Pseudomonas savastanoi</i>	<i>Pseudomonas</i>	Pseudomonadaceae	0.0	0.0
<i>Staphylococcus capitis</i>	<i>Staphylococcus</i>	Staphylococcaceae	0.0	0.0
*	<i>Cupriavidus</i>	Burkholderiaceae	0.0	0.0
<i>Dyadobacter fermentans</i>	<i>Dyadobacter</i>	Cytophagaceae	0.0	0.0

Dietzia sp. CQ4	Dietzia	Dietziaceae	0.0	0.0
*	*	Methylophilaceae	0.0	0.0
*	Neisseria	Neisseriaceae	0.0	0.0
Corynebacterium aurimucosum	Corynebacterium	Corynebacteriaceae	0.0	0.0
*			0.0	0.0
Pseudomonas fulva	Pseudomonas	Pseudomonadaceae	0.0	0.0
Chromohalobacter salexigens	Chromohalobacter	Halomonadaceae	0.0	0.0
Brevundimonas diminuta	Brevundimonas	Caulobacteraceae	0.0	0.0
Streptococcus lutetiensis	Streptococcus	Streptococcaceae	0.0	0.0
Bordetella petrii	Bordetella	Alcaligenaceae	0.0	0.0
Erythrobacter sp. JP13.1	Erythrobacter	Erythrobacteraceae	0.0	0.0
Methylobacillus glycogenes	Methylobacillus	Methylophilaceae	0.0	0.0
Candidatus Rhodoluna lacicola	Candidatus Rhodoluna	Microbacteriaceae	0.0	0.0
Arthrobacter sp. JBH1	Arthrobacter	Micrococcaceae	0.0	0.0
Aggregatibacter aphrophilus	Aggregatibacter	Pasteurellaceae	0.0	0.0
Thauera sp. B4	Thauera	Rhodocyclaceae	0.0	0.0
Lysobacter dokdonensis	Lysobacter	Xanthomonadaceae	0.0	0.0
Clostridiales genomosp. BVAB3			0.0	0.0
Streptococcus sp. I-G2	Streptococcus	Streptococcaceae	0.0	0.0
Pseudomonas mandelii	Pseudomonas	Pseudomonadaceae	0.0	0.0
Bradyrhizobium sp. S23321	Bradyrhizobium	Bradyrhiziaceae	0.0	0.0
Phenylobacterium zucineum	Phenylobacterium	Caulobacteraceae	0.0	0.0
Pseudomonas mosselii	Pseudomonas	Pseudomonadaceae	0.0	0.0
Staphylococcus lugdunensis	Staphylococcus	Staphylococcaceae	0.0	0.0
Proteus mirabilis	Proteus	Enterobacteriaceae	0.0	0.0
*	*	Neisseriaceae	0.0	0.0
Arthrobacter sp. J3-40	Arthrobacter	Micrococcaceae	0.0	0.0
*	Pantoea	Enterobacteriaceae	0.0	0.0
Corynebacterium efficiens	Corynebacterium	Corynebacteriaceae	0.0	0.0
*	Halomonas	Halomonadaceae	0.0	0.0
Trueperella pyogenes	Trueperella	Actinomycetaceae	0.0	0.0
Streptomyces coelicolor	Streptomyces	Streptomycetaceae	0.0	0.0
Kocuria rhizophila	Kocuria	Micrococcaceae	0.0	0.0
Bacillus cereus	Bacillus	Bacillaceae	0.0	0.0
Tannerella forsythia	Tannerella	Porphyromonadaceae	0.0	0.0
*	Alkalibacterium	Carnobacteriaceae	0.0	0.0
Atopobium parvulum	Atopobium	Coriobacteriaceae	0.0	0.0
Serinicoccus profundi	Serinicoccus	Intrasporangiaceae	0.0	0.0
*	Leptotrichia	Leptotrichiaceae	0.0	0.0
*	*	Planococcaceae	0.0	0.0
Planomicrobiump okeanokoites	Planomicrobiump	Planococcaceae	0.0	0.0

Jannaschia sp. CCS1	Jannaschia	Rhodobacteraceae	0.0	0.0
Paracoccus aestuarii	Paracoccus	Rhodobacteraceae	0.0	0.0
Rhodobacter blasticus	Rhodobacter	Rhodobacteraceae	0.0	0.0
Agrobacterium tumefaciens	Agrobacterium	Rhizobiaceae	0.0	0.0
Shewanella sp. ANA-3	Shewanella	Shewanellaceae	0.0	0.0
Pseudomonas cichorii	Pseudomonas	Pseudomonadaceae	0.0	0.0
Halomonas sp. A3H3	Halomonas	Halomonadaceae	0.0	0.0
Serratia liquefaciens	Serratia	Enterobacteriaceae	0.0	0.0
Sphingopyxis alaskensis	Sphingopyxis	Sphingomonadaceae	0.0	0.0
*	Brevundimonas	Caulobacteraceae	0.0	0.0
Deinococcus deserti	Deinococcus	Deinococcaceae	0.0	0.0
Desulfovibrio vulgaris	Desulfovibrio	Desulfovibrionaceae	0.0	0.0
Propionibacterium sp. NTS31307302	Propionibacterium	Propionibacteriaceae	0.0	0.0
Paracoccus alcaliphilus	Paracoccus	Rhodobacteraceae	0.0	0.0
Vibrio parahaemolyticus	Vibrio	Vibrionaceae	0.0	0.0
Candidatus Saccharibacteria oral taxon TM7x			0.0	0.0
Geitlerinema sp. PCC 7407	Geitlerinema		0.0	0.0
*	Actinomyces	Actinomycetaceae	0.0	0.0
Brevundimonas vesicularis	Brevundimonas	Caulobacteraceae	0.0	0.0
Acinetobacter sp. YS0810	Acinetobacter	Moraxellaceae	0.0	0.0
*	Prevotella	Prevotellaceae	0.0	0.0
Methyloceanibacter caenitepidi	Methyloceanibacter		0.0	0.0
Leuconostoc citreum	Leuconostoc	Leuconostocaceae	0.0	0.0
*	Bacteroides	Bacteroidaceae	0.0	0.0
Pseudomonas alcaligenes	Pseudomonas	Pseudomonadaceae	0.0	0.0
Methylibium petroleiphilum	Methylibium		0.0	0.0
Moraxella catarrhalis	Moraxella	Moraxellaceae	0.0	0.0
Sphingopyxis sp. Kp5.2	Sphingopyxis	Sphingomonadaceae	0.0	0.0
Pandoraea apista	Pandoraea	Burkholderiaceae	0.0	0.0
*	Cellulomonas	Cellulomonadaceae	0.0	0.0
Olsenella uli	Olsenella	Coriobacteriaceae	0.0	0.0
Acinetobacter oleivorans	Acinetobacter	Moraxellaceae	0.0	0.0
Sphingomonas sp. 133	Sphingomonas	Sphingomonadaceae	0.0	0.0
Meiothermus taiwanensis	Meiothermus	Thermaceae	0.0	0.0
Deinococcus geothermalis	Deinococcus	Deinococcaceae	0.0	0.0
Lactobacillus sanfranciscensis	Lactobacillus	Lactobacillaceae	0.0	0.0
Acinetobacter sp. LUH5605	Acinetobacter	Moraxellaceae	0.0	0.0
Staphylococcus simulans	Staphylococcus	Staphylococcaceae	0.0	0.0
Arsenophonus nasoniae	Arsenophonus	Enterobacteriaceae	0.0	0.0
Buchnera aphidicola	Buchnera	Enterobacteriaceae	0.0	0.0
Weissella koreensis	Weissella	Leuconostocaceae	0.0	0.0

Psychrobacter sp. G	Psychrobacter	Moraxellaceae	0.0	0.0
Amycolicicoccus subflavus	Amycolicicoccus	Mycobacteriaceae	0.0	0.0
Staphylococcus hyicus	Staphylococcus	Staphylococcaceae	0.0	0.0
Morganella morganii	Morganella	Enterobacteriaceae	0.0	0.0
Kypridia tusciae	Kypridia	Alicyclobacillaceae	0.0	0.0
Ramlibacter tataouinensis	Ramlibacter	Comamonadaceae	0.0	0.0
Weeksella virosa	Weeksella	Flavobacteriaceae	0.0	0.0
Acinetobacter junii	Acinetobacter	Moraxellaceae	0.0	0.0
Acinetobacter sp. 26B2	Acinetobacter	Moraxellaceae	0.0	0.0
Mycobacterium abscessus	Mycobacterium	Mycobacteriaceae	0.0	0.0
Neisseria gonorrhoeae	Neisseria	Neisseriaceae	0.0	0.0
Sphingomonas wittichii	Sphingomonas	Sphingomonadaceae	0.0	0.0
Bacteroides dorei	Bacteroides	Bacteroidaceae	0.0	0.0
Corynebacterium halotolerans	Corynebacterium	Corynebacteriaceae	0.0	0.0
Pelomonas aquatica	Pelomonas	Comamonadaceae	0.0	0.0
Janibacter sp. TYM3221	Janibacter	Intrasporangiaceae	0.0	0.0
*	Arthrobacter	Micrococcaceae	0.0	0.0
Mycobacterium gordonaee	Mycobacterium	Mycobacteriaceae	0.0	0.0
Pimelobacter simplex	Pimelobacter	Nocardioidaceae	0.0	0.0
Pseudomonas sp. OM2164	Pseudomonas	Pseudomonadaceae	0.0	0.0
Streptomyces albus	Streptomyces	Streptomycetaceae	0.0	0.0
Halomonas halocynthiae	Halomonas	Halomonadaceae	0.0	0.0
Nitrosomonas sp. AL212	Nitrosomonas	Nitrosomonadaceae	0.0	0.0
Sphingobacterium mizutaii	Sphingobacterium	Sphingobacteriaceae	0.0	0.0
Vibrio cholerae	Vibrio	Vibrionaceae	0.0	0.0
Rickettsia felis	Rickettsia	Rickettsiaceae	0.0	0.0
*	*	Moraxellaceae	0.0	0.0
Bacteroidetes bacterium WD317			0.0	0.0
Corynebacterium casei	Corynebacterium	Corynebacteriaceae	0.0	0.0
Corynebacterium marinum	Corynebacterium	Corynebacteriaceae	0.0	0.0
*	*	Flavobacteriaceae	0.0	0.0
Caulobacter segnis	Caulobacter	Caulobacteraceae	0.0	0.0
Lactobacillus gasseri	Lactobacillus	Lactobacillaceae	0.0	0.0
*	Meiothermus	Thermaceae	0.0	0.0
Rhizobium sp. NT-26	Rhizobium	Rhizobiaceae	0.0	0.0
Bacillus coagulans	Bacillus	Bacillaceae	0.0	0.0
*	Sphingomonas	Sphingomonadaceae	0.0	0.0
*	Brevibacterium	Brevibacteriaceae	0.0	0.0
Nitrosomonas europaea	Nitrosomonas	Nitrosomonadaceae	0.0	0.0
Pseudomonas alkylphenolia	Pseudomonas	Pseudomonadaceae	0.0	0.0
Terrabacter sp. DBF63	Terrabacter	Intrasporangiaceae	0.0	0.0

beta proteobacterium CB			0.0	0.0
Moraxella ovis	Moraxella	Moraxellaceae	0.0	0.0
Shewanella baltica	Shewanella	Shewanellaceae	0.0	0.0
Mycobacterium gilvum	Mycobacterium	Mycobacteriaceae	0.0	0.0
*	Exiguobacterium		0.0	0.0
*	Ochrobactrum	Brucellaceae	0.0	0.0
Geodermatophilus obscurus	Geodermatophilus	Geodermatophilaceae	0.0	0.0
*	Devosia	Hypomicrobiaceae	0.0	0.0
Moraxella osloensis	Moraxella	Moraxellaceae	0.0	0.0
Exiguobacterium sp. 11-28	Exiguobacterium		0.0	0.0
Nocardioides sp. JS614	Nocardioides	Nocardioidaceae	0.0	0.0
Nocardioides sp. USM2	Nocardioides	Nocardioidaceae	0.0	0.0
Burkholderia gladioli	Burkholderia	Burkholderiaceae	0.0	0.0
Renibacterium salmoninarum	Renibacterium	Micrococcaceae	0.0	0.0
Pseudomonas syringae group genomo	Pseudomonas	Pseudomonadaceae	0.0	0.0
Bifidobacterium pseudolongum	Bifidobacterium	Bifidobacteriaceae	0.0	0.0
toluene-degrading bacterium UCR 021t			0.0	0.0
Corynebacterium imitans	Corynebacterium	Corynebacteriaceae	0.0	0.0
Corynebacterium callunae	Corynebacterium	Corynebacteriaceae	0.0	0.0
Bosea sp. WAO	Bosea	Bradyrhizobiaceae	0.0	0.0
Xanthobacter autotrophicus	Xanthobacter	Xanthobacteraceae	0.0	0.0
Corynebacterium diphtheriae	Corynebacterium	Corynebacteriaceae	0.0	0.0
Bacteroides thetaiotaomicron	Bacteroides	Bacteroidaceae	0.0	0.0
Caulobacter vibrioides	Caulobacter	Caulobacteraceae	0.0	0.0
*	*	Pasteurellaceae	0.0	0.0
Finegoldia magna	Finegoldia	Peptoniphilaceae	0.0	0.0
Anaerococcus prevotii	Anaerococcus	Peptoniphilaceae	0.0	0.0
Azorhizobium caulinodans	Azorhizobium	Xanthobacteraceae	0.0	0.0
Erysipelothrix rhusiopathiae	Erysipelothrix	Erysipelotrichaceae	0.0	0.0
Porphyromonas asaccharolytica	Porphyromonas	Porphyromonadaceae	0.0	0.0
*	Sphingopyxis	Sphingomonadaceae	0.0	0.0
Eubacterium rectale	Eubacterium	Eubacteriaceae	0.0	0.0
Acinetobacter venetianus	Acinetobacter	Moraxellaceae	0.0	0.0
Variovorax paradoxus	Variovorax	Comamonadaceae	0.0	0.0
Acinetobacter sp. ED45-25	Acinetobacter	Moraxellaceae	0.0	0.0
Bradyrhizobium diazoefficiens	Bradyrhizobium	Bradyrhizobiaceae	0.0	0.0
Bradyrhizobium japonicum	Bradyrhizobium	Bradyrhizobiaceae	0.0	0.0
Megamonas hypermegale	Megamonas	Veillonellaceae	0.0	0.0
*	Methylobacillus	Methylophilaceae	0.0	0.0
Nocardiopsis alba	Nocardiopsis	Nocardiopsaceae	0.0	0.0
Modestobacter marinus	Modestobacter	Geodermatophilaceae	0.0	0.0

<i>Corynebacterium doosanense</i>	<i>Corynebacterium</i>	<i>Corynebacteriaceae</i>	0.0	0.0
<i>Blastococcus saxobsidens</i>	<i>Blastococcus</i>	<i>Geodermatophilaceae</i>	0.0	0.0
<i>Anoxybacillus flavithermus</i>	<i>Anoxybacillus</i>	<i>Bacillaceae</i>	0.0	0.0
<i>Aeromonas caviae</i>	<i>Aeromonas</i>	<i>Aeromonadaceae</i>	0.0	0.0
<i>Bacillus subtilis</i>	<i>Bacillus</i>	<i>Bacillaceae</i>	0.0	0.0
<i>Elizabethkingia anophelis</i>	<i>Elizabethkingia</i>	<i>Flavobacteriaceae</i>	0.0	0.0
<i>Staphylococcus hominis</i>	<i>Staphylococcus</i>	<i>Staphylococcaceae</i>	0.0	0.0
<i>Ruminococcus bicirculans</i>	<i>Ruminococcus</i>	<i>Ruminococcaceae</i>	0.0	0.0
<i>Paracoccus marcusii</i>	<i>Paracoccus</i>	<i>Rhodobacteraceae</i>	0.0	0.0
*	<i>Psychrobacter</i>	<i>Moraxellaceae</i>	0.0	0.0
<i>Sphingomonas sanxanigenens</i>	<i>Sphingomonas</i>	<i>Sphingomonadaceae</i>	0.0	0.0
*	*	<i>Leuconostocaceae</i>	0.0	0.0
*	*	<i>Burkholderiaceae</i>	0.0	0.0
<i>Bacteroides vulgatus</i>	<i>Bacteroides</i>	<i>Bacteroidaceae</i>	0.0	0.0
<i>Rhodopseudomonas palustris</i>	<i>Rhodopseudomonas</i>	<i>Bradyrhizobiaceae</i>	0.0	0.0
<i>Pantoea agglomerans</i>	<i>Pantoea</i>	<i>Enterobacteriaceae</i>	0.0	0.0
*	*	<i>Sphingomonadaceae</i>	0.0	0.0
<i>Mycobacterium kansasii</i>	<i>Mycobacterium</i>	<i>Mycobacteriaceae</i>	0.0	0.0
*	<i>Streptomyces</i>	<i>Streptomycetaceae</i>	0.0	0.0
<i>Enterococcus faecalis</i>	<i>Enterococcus</i>	<i>Enterococcaceae</i>	0.0	0.0
<i>Acinetobacter sp. NFM2</i>	<i>Acinetobacter</i>	<i>Moraxellaceae</i>	0.0	0.0
<i>Shewanella putrefaciens</i>	<i>Shewanella</i>	<i>Shewanellaceae</i>	0.0	0.0
<i>Bifidobacterium adolescentis</i>	<i>Bifidobacterium</i>	<i>Bifidobacteriaceae</i>	0.0	0.0
*	<i>Bifidobacterium</i>	<i>Bifidobacteriaceae</i>	0.0	0.0
<i>Porphyromonas gingivalis</i>	<i>Porphyromonas</i>	<i>Porphyromonadaceae</i>	0.0	0.0
<i>Neisseria meningitidis</i>	<i>Neisseria</i>	<i>Neisseriaceae</i>	0.0	0.0
<i>Rhodococcus pyridinivorans</i>	<i>Rhodococcus</i>	<i>Nocardiaceae</i>	0.0	0.0
<i>Aeromonas salmonicida</i>	<i>Aeromonas</i>	<i>Aeromonadaceae</i>	0.0	0.0
<i>Planococcus sp. PAMC 21323</i>	<i>Planococcus</i>	<i>Planococcaceae</i>	0.0	0.0
<i>Pseudomonas simiae</i>	<i>Pseudomonas</i>	<i>Pseudomonadaceae</i>	0.0	0.0
<i>Faecalibacterium prausnitzii</i>	<i>Faecalibacterium</i>	<i>Ruminococcaceae</i>	0.0	0.0
<i>Acinetobacter lwoffii</i>	<i>Acinetobacter</i>	<i>Moraxellaceae</i>	0.0	0.0
<i>Exiguobacterium sp. N139</i>	<i>Exiguobacterium</i>		0.0	0.0
<i>Streptococcus anginosus</i>	<i>Streptococcus</i>	<i>Streptococcaceae</i>	0.0	0.0
<i>Thauera sp. MZ1T</i>	<i>Thauera</i>	<i>Rhodocyclaceae</i>	0.0	0.0
*	<i>Shewanella</i>	<i>Shewanellaceae</i>	0.0	0.0
*	<i>Aeromonas</i>	<i>Aeromonadaceae</i>	0.0	0.0
<i>Staphylococcus aureus</i>	<i>Staphylococcus</i>	<i>Staphylococcaceae</i>	0.0	0.0
<i>Aeromonas hydrophila</i>	<i>Aeromonas</i>	<i>Aeromonadaceae</i>	0.0	0.0
<i>Aeromonas veronii</i>	<i>Aeromonas</i>	<i>Aeromonadaceae</i>	0.0	0.0
<i>Bifidobacterium breve</i>	<i>Bifidobacterium</i>	<i>Bifidobacteriaceae</i>	0.0	0.0

Bacillus megaterium	Bacillus	Bacillaceae	0.0	0.0
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