

Table 2

accession	funtaxa	phyla	class	isolation	log2FoldChange	pvalue
ANY66681.1	Paenibacillus sp. BIHB4019 (CBM54)	Firmicutes	Bacilli	Rhizosphere	-3.38	0.02
AKB38096.1	Methanosarcina siciliae C2J (GT4)	Euryarchaeota	Methanomicrobia	Unknown	-3.03	0.04
ALJ82902.1	Irpex lacteus (AA3_1 AA8)	Basidiomycota	Agaricomycetes	Wood	-3.02	0.04
AUD02463.1	Spirosoma pollinicola (CBM6)	Bacteroidetes	Cytophagia	Pollen	-2.72	0.02
ANS78621.1	Serinicoccus sp. JLT9 (CBM48 GH13_9)	Actinobacteria	Actinobacteria	Hydrothermal sea	-2.22	0.05
AFY81829.1	Oscillatoria acuminata PCC6304 (GH65)	Cyanobacteria	Cyanophyceae	Soil	-2.11	0.02
AAR38497.1	Uncultured marine bacterium 583 (GT41)	Uncultured	Uncultured	Ocean	-1.97	0.02
BAZ44095.1	Chondrocystis sp. NIES-4102 (GT2)	Cyanobacteria	Cyanophyceae	Unknown	-1.82	0.04
BAL56682.1	Uncultured Gammaproteobacteria (PL0)	Proteobacteria	Gammaproteobacteria	Microbial mat	-1.40	0.05
ARX88346.1	Streptomyces alboflavus (GT2 CE4)	Actinobacteria	Actinomycetes	Rhizosphere	-1.23	0.02
ATF41409.1	Weissella paramesenteroides (CBM50)	Firmicutes	Bacilli	Unknown	-1.07	0.02
ALG08540.1	Kibdelosporangium phytohabitans (GH16)	Actinobacteria	Actinobacteria	Phyllosphere	-0.84	0.04
ATU64527.1	Rhizobacter gummiphilus (CBM41)	Proteobacteria	Gammaproteobacteria	Soil	-0.52	0.05
AMG83817.1	Microbacterium sp. PAMC 28756 (CE14)	Actinobacteria	Actinobacteria	Lichen	0.26	0.04
ACL17090.1	Methanosphaerula palustris E1-9c (CBM6)	Euryarchaeota	Methanomicrobia	Peatland Soil	0.69	0.03
AKP50194.1	Cyclobacterium amurskyense (GH33)	Bacteroidetes	Flavobacteria	Ocean	0.88	0.05
AMT93207.1	Brevibacterium linens (GT51)	Actinobacteria	Actinomycetes	Sediment	1.95	0.02
ACO33523.1	Acidobacterium capsulatum (GT2)	Acidobacteria	Acidobacteria	Soil	2.16	0.02
ACN58963.1	Uncultured bacterium BLR10 (GH9)	Uncultured	Uncultured	Soil	2.37	0.05
AGA24658.1	Singulisphaera acidiphila DSM18658 (GT28)	Planctomycetes	Planctomycetacia	Peat bog wetland	2.41	0.04
BBA71022.1	Geobacter sulfurreducens (GT41)	Proteobacteria	Deltaproteobacteria	Sediment	2.43	0.04