

Anaerolineaceae Sphingomonadaceae Rhodospirillaceae Gemmatimonadaceae Trueperaceae Micromonosporaceae Solibacteraceae (Subgroup 3) Rhodobiaceae Micrococcaceae Caulobacteraceae Erythrobacteraceae **Phyllobacteriaceae** Roseiflexaceae Streptomycetaceae Blastocatellaceae (Subgroup 4) Hyphomonadaceae Hyphomicrobiaceae Xanthobacteraceae Ellin6055 Peptostreptococcaceae

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Microbacteriaceae Rhizobiaceae Clostridiaceae 1 JG34-KF-161 Unknown Family Rhizobiales Incertae Sedis WW2-159 OM1 clade Intrasporangiaceae Thermomonosporaceae **Caldilineaceae B**dellovibrionaceae Nocardioidaceae Phycisphaeraceae **SM2D12** Acidobacteriaceae (Subgroup 1) **KCM-B-15** JG34-KF-361 CCU22 Bradyrhizobiaceae

7B-8Methylobacteriaceae FamilyI Limnochordaceae Nocardiaceae Cytophagaceae Flavobacteriaceae **Pseudonocardiaceae** MSB-1E8 **Brevibacteriaceae** Rhodobacteraceae Propionibacteriaceae **DA111 Bogoriellaceae** Mycobacteriaceae Streptosporangiaceae DSSF69 Aurantimonadaceae *Fimbriimonadaceae* Ruminococcaceae