

S4 Table. Uniprot ID, class, family and genus for each sequence in clade 4 of the phylogenetic tree in Fig. 2.

Uniprot ID	Class	Family	Genus
AOA059IPM7	Alphaproteobacteria	Rhodobacterales	Defluviimonas
AOA073J8B1	Alphaproteobacteria	Rhodobacterales	Sulfitobacter
AOA085TZV3	Alphaproteobacteria	Rhodobacterales	Thioclava
AOA0A0EKA1	Alphaproteobacteria	Rhodobacterales	Pseudoceanicola
AOA0A1Y7R2	Alphaproteobacteria	Sphingomonadales	Sphingomonas
A3VA50	Alphaproteobacteria	Rhodobacterales	Maritimibacter
A9CLP5	Alphaproteobacteria	Rhizobiales	Agrobacterium
A9EF71	Alphaproteobacteria	Rhodobacterales	Oceanibulbus
B7RS49	Alphaproteobacteria	Rhodobacterales	Roseobacter
G7D8F8	Alphaproteobacteria	Rhizobiales	Bradyrhizobium
G8AWM8	Alphaproteobacteria	Rhodospirillales	Azospirillum
I1AQF7	Alphaproteobacteria	Rhodobacterales	Citricella
I2QHW1	Alphaproteobacteria	Rhizobiales	Bradyrhizobium
I4YXG5	Alphaproteobacteria	Rhizobiales	Microvirga
N0B9D1	Alphaproteobacteria	Rhizobiales	Hyphomicrobium
Q89SF2	Alphaproteobacteria	Rhizobiales	Bradyrhizobium
S9REP2	Alphaproteobacteria	Rhodobacterales	Salipiger
U2Z5R8	Alphaproteobacteria	Rhodobacterales	Loktanella
U4QAU9	Alphaproteobacteria	Rhizobiales	Rhizobium
U7GIP0	Alphaproteobacteria	Rhodobacterales	Labrenzia
W4HJU1	Alphaproteobacteria	Rhodobacterales	Roseivivax
X6L2D2	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae