

ID	Genus	FAPROTAX <sup>#</sup> functional annotation
G1	<i>Nitrospira</i>	Aerobic nitrite oxidation and/or Aerobic ammonia oxidation
G2	<i>Candidatus Jettenia</i>	Anammox ( <i>i.e.</i> anaerobic ammonia oxidation)
G3	<i>Nitrosomonas</i>	Aerobic ammonia oxidation and/or Ureolysis
G4	Groundwater metagenome	Unassigned (belonging to Planctomycetes anammox bacterium*)
G5	AKYH767 (uncultured)	Unassigned (belonging to Bacteroidetes bacterium*)
G6	SM1A02 (uncultured)	Unassigned (belonging to Planctomycetes anammox bacterium*)
G7	<i>Denitratisoma</i>	Nitrate denitrification and/or Aerobic chemoheterotrophy
G8	<i>Sideroxydans</i>	Dark iron oxidation
G9	OLB12 (uncultured)	Unassigned (belonging to Bacteroidetes bacterium*)
G10	<i>Bryobacter</i>	Aerobic chemoheterotrophy

<sup>#</sup>The FAPROTAX database, which affiliates taxa with metabolic functions (particularly nitrogen and carbon cycling) based on the literature on cultured representatives.

\*According to the hierarchical taxonomic grouping.