

Table S5. Genes for aerobic oxidation of ammonia identified in Marine Group I (MGI) Thaumarchaeota single amplified genomes (SAGs).

Enzyme	AAA001-A19	AAA007-N19	AAA007-O23	AAA288-I14	AAA288-J14
Ammonia monooxygenase, subunit A (1.14.99.39)		•	•	•	•
Ammonia monooxygenase, subunit B		•	•	•	•
Ammonia monooxygenase, subunit C	•	•	•		•
Ubiquinol-cytochrome c reductase (1.10.2.2)	•	•	•		•
Ammonia permease	•	•			
Copper-containing nitrite reductase (1.7.2.1)	•	•	•	•	•
Copper cytochrome c oxidase (1.9.3.1)		•	•	•	•
NADH-quinone oxidoreductase	•		•		•
Copper binding protein, plastocyanin/azurin family	1	3	4	3	1
Multicopper oxidase	2	1	2	2	1