

Supplementary Table 2- Alpha diversity indices for both 16 S rRNA and *pmoA* libraries

Samples	Libraries	Number of clones	Number of phylotypes/OTUs	Chao1	Shannon	Simpson's index
ATII-I	<i>pmoA</i>	59	6	6	1.3	0.62
	16S rRNA	10636	4756	6654.9	7.1	0.89
DD-I	16S rRNA	15383	11955	33876.96	12.2	0.99
KB-U	<i>pmoA</i>	80	2	2	0.12	0.05
	16S rRNA	12017	8496	36316.9	10.6	0.98
KB-L	16S rRNA	12105	9192	21520.3	10.5	0.99