

Table S2 *Nitrospira* MAG statistics

Attribute	<i>Ca. Nitrospira alkalitolerans</i>	<i>Nitrospira sub-bin1*</i>	<i>Nitrospira sub-bin2*</i>
Size (bp)	4.894.714	957.413	658.454
Completeness (%)	95.83	21.93	0
Contamination (%)	4.83	0	0
DNA G + C (%)	51.4	51	51.5
DNA scaffolds	87	293	217
Total genes	5107	1142	799
RNA genes	35	3	90
rRNA genes	3	0	0
tRNA genes	47	8	8
Amino acids encoded by tRNA genes (unique codons)	20 (46)	6 (8)	5 (8)
<i>nxA genes (incl. Fragments)</i>	3	4	3
<i>nxB genes (incl. Fragments)</i>	1	1	0
Pairwise gANI value to “ <i>Ca. N. alkalitolerans</i> ” bin	100	97.1	95.2
Oneway gAAI value to “ <i>Ca. N. alkalitolerans</i> ” bin	99.9	94.3	81.1

*original sub-bin, not re-assembled