

Table S4. Primers used to amplify the *napA* gene and target sequences in the genome of representative *Alpha*, *Gamma* and *Epsilonproteobacteria*

Organism	Forward primer V16 GCNCCNTGYMGNTTYTGYGG	Reverse primer V17 RTGYTGRTTRAANCCCATNGTCCA
<i>Escherichia coli</i>	GCGCCGTGCCGTTTCTGCGG	ATGCTGGTTGAAGCCCATCGTCCA
<i>Paracoccus panthotrophus</i>	GCGCCCTGCCGCTTTTGTGCGG	ATGCTGGTTGAAGCCCATGGTCCA
<i>Campylobacter jejuni</i>	GCTGTTTGTAGATTTTGTGG	GTGTTGATTAAAGCCCATAGTCCA
<i>Helicobacter hepaticus</i>	TCAGTATGTAGATTCTGTGG	GTGCTGATTCATAACCCATAGTCCA
<i>Wolinella succinogenes</i>	TCGGTCTGTCGATTCTGCGG	GTGCTGATTCATTCCCATCGTCCA
<i>Sulfurimonas denitrificans</i>	GCAGCTTGTCGTTTCTGCGG	ATGTTGATTCATAACCCATTGTCCA
<i>Sulfurovum</i> sp. NBC37-1	GCAGCATGTCGTTTCTGTGG	GTGCTGGTTCATAACCCATTGTCCA
<i>Caminibacter mediatlanticus</i>	GCTGTTTGTAGATTTTGTGG	ATGTTGGTTAAATCCCATAGTCCA

N=G, A, T or C; Y=C or T; M=A or C; R=G or A; H=A, C or T; S =G or C; D= G, A or T.