

Table S5. Nucleotide primer sequences used for RT-PCR in this study.

Strain	Primer	Sequence (5'-3')	Target Gene	Product Length (bp)
<i>Halodesulfovibrio marinisediminis</i> DSM 17456	653F	GAGGGAAGTGGAATTTCTGGTGTAG	16S rRNA	94
	747R	CAGTGTCTAGTAATAGTCCAGGAAGT		
	725F	AGCCTATGGAGTTCAAATCACCTAA	RDase A gene	99
	824R	GGGTCAAATTTAGCAATACCAACCA		
<i>Desulfuromusa kysingii</i> DSM 7343	887F	CGCAAGGCTAAAACCTCAAAGGAA	16S rRNA	88
	975R	GGTAAGGTTCTTCGCGTTGC		
	650F	TCGTTGATAATGGGCGCGATA	RDase A5 gene	98
	748R	CGACATTTGTTTTTCAGCCCGT		
	621F	TTCCACCATTCCAGAAGATCCAG	RDase A10 gene	70
	691R	CCCATTTTTCTGGAGGTTGTTCC		
<i>Desulfovibrio bizertensis</i> DSM 18034	209F	CATGCTTTCACCTCTAGATGAGTCC	16S rRNA	91
	300R	CCTCTTAGACCAGTTATCCATCGTC		
	993F	GATTCTGACCAACATGCCGC	RDase A2-1 gene	90
	1083R	CTCGCGGGCACACTTTTTTAC		
	367F	CTGTATGGCATGGAACGGATGAA	RDase A2-2 gene	84
	451R	CATCATTCAGCTCAAAGGTCCC		
	213F	CTACCAGCGTTTTTCTACAGCAAAT	RDase A3 gene	96
	309R	CTTGATTAATTTCTGCCATACGGT		
1012F	CAATTCCTGAAAGAAGTGGGCTATC	RDase A18 gene	66	
1078R	TCATGATTTTCGTAGTTGTGACCG			