

Primers for PCR reactions. For *Roseiflexus castenholzii* probes were transcribed from PCR templates, whereas for *Sulfurihydrogenibium* the constructs were cloned into pUC18.

Bacteria	Application/Construct	Primer sequence
<i>Roseiflexus castenholzii</i>	colony PCR	5'- AGAAACCCCAACCGCCGGCGT-3' 5'- GCAACCCTACCCCGGTCGG-3'
	PCR by adding T7 promoter	
	Antisense	
	Sense	
		5'- AGAAACCCCAACCGCCGGCGT-3' 5'- TAATACGACTCACTATAGGGCAAC CCTACCCCGGTCGG-3'
<i>Sulfurihydrogenibium</i> Y03AOP1	cloning of T7 transcripts	5'- TTTGAATTCTAATACGAC TCAC TATAGGCCCCCACAGA AGCC-3' 5'- TTAAAGCTTGCTTACCTGCGGGGT AC-3'
	Antisense	
	Sense	
		5'- TTTGAATTCTAATACGACTCACTAT AGGCTTACCTGCGGGGTACG-3' 5'- TTAAAGCTTGGCCCCCACAGA -3'