

Table S2. Real time RT-PCR primer sequences. The primer list contains the corresponding *R. sphaeroides* gene annotations and gene names. Primers are listed including their annealing temperature, primer efficiency and oligonucleotide sequences (5' – 3').

primer pair	gene	efficiency	annealing temp. [°C]	sequence (5' – 3') forward / reverse
RSP_1669	<i>rpoZ</i>	2.02	59	ATCGCGGAAGAGACCCAGAG / GAGCAGCGCCATCTGATCCT
RSP_0030		2.02	56	AGGAGATCATGCGCTACG / GATCAGCGGCTGGTAGAA
RSP_0224		1.74	56	TACGCTTGGCGACATGGA / GTTGCGGATTGGCTGCTT
RSP_0257	<i>pufL</i>	2.34	56	ACACCTACGGCAACTTCC / ATCGAGTAGCCGACCAGA
RSP_0296	<i>cycA</i>	1.92	56	TCAACCAGTGCCAGACCT / GTCCGCTTCTTCTTCCAG
RSP_0314	<i>pucBA</i>	2.01	56	CGAAGCCGAAGAAGTTCA / TTCACCACGAGCCAGATT
RSP_0402		1.85	56	GGTTCCACATCGGCTATC / CCTCAAGACGCTCCTCAT
RSP_0601	<i>rpoH_{II}</i>	2.09	56	GCCGATGAACGACCTGAT / AAGAACAGCGCCTTCTGG
RSP_0693	<i>ccoP</i>	2.11	56	TCCGAACCTGCTGGATGA / TTGTCGCGAAGATGGTG
RSP_0694	<i>ccoQ</i>	1.89	56	GTCTTCTTCGAGGTTCTG / GGTTGTAGGCCACATACT
RSP_0847		1.87	56	GCGCACGAACAATCAGAG / TGGCGCAACCTGTAGATG
RSP_0905	<i>sitB</i>	1.97	56	CTATGTGCCGCAATCCGA / AACACGCGTTCCTCTGA
RSP_0927	<i>lyrS</i>	2.03	56	GTTCTGCTCGACTATCC / GTGAGGTCGTGCATCTTC
RSP_0994	<i>phaD</i>	2.02	56	GTCTTCTTCGAGGTTCTG / GGTTGTAGGCCACATACT
RSP_1092	<i>rpoE</i>	2.04	56	GTCTGGCAGAAGGCTCAT / GTTCTCTGCTGCATCTC
RSP_1112	<i>pnp</i>	2.09	56	GACTATGCCGCGCTCTAT / GCTCGTCTCCGAGATGAT
RSP_1126	<i>rnr</i>	2.00	56	ACCGGCTGATCGAGGAAT / GTTCAGATGCGCGGTCTT
RSP_1173	<i>dnaK</i>	1.94	56	CGAATGCGGATCGTCAA / CCGGTCCATGCTGATGAA
RSP_1518	<i>prrA</i>	2.11	56	GCTTCTCGTGGACGATGA / AGGTCCACCACTGCATAG
RSP_1520	<i>prrB</i>	1.97	56	AGTTCCAGGCGCTGATGA / AGGATCCCGATGACGATG
RSP_1546	<i>bfr</i>	2.09	56	CAGCGCATCATCTTCTCTC / ATAGTCGCGCACCTTCTC
RSP_1971	<i>rnd</i>	2.06	56	ACGAATGCCGAAGAGCTG / TTCCGACTTGCCCTTGAG
RSP_2131	<i>rne</i>	2.01	56	TGCGGTTGTCAACTTCTCT / TCGCGTCTTGAATTCT
RSP_2234		1.89	56	ATGCCTCGACGCTCTATG / CACCTCGAAGCCGTAGAA
RSP_2247	<i>fusA</i>	1.93	56	TATACCTGCGGCAAGACG / CGACAGTTCGGTGCTCAT
RSP_2293	<i>clpA</i>	1.88	56	CTACGACGCGGTCAACTT / CGGCAGAGAACCCTGAATG
RSP_2346		1.90	56	CGGCTTCGCCAATGTCTTCG / AGGCCGTTGCTGATGCTGA
RSP_2389		2.24	56	CCAATTCGACCTGACAC / GTCACGGTCGATCAGAAC
RSP_2395		2.01	56	GAAGGACAACCGCATCAC / TGGCAGGAATAGCAGGAG
RSP_2410	<i>rpoH_I</i>	2.00	56	GATCGCCAAGGATCT / CTGGTCGCTGTCTTCA
RSP_2843	<i>hfq</i>	2.02	56	AGGACGCCTTTCTGAACC / TCGCCCTCGTAGAGATTG
RSP_2877	<i>coxL</i>	1.91	56	TACCAGCAGGCCAAGGAT / GGCGGTTGTTACCAGTT
RSP_2879		2.04	56	TGTACGCTGTTCGGACAT / AACCGCTCGAAGAACTGG
RSP_3496		1.97	56	TGGACGCTCCACAATCTC / CCTGTGCAACACCGGATA
RSP_3539		1.78	56	TGAACGCGCAGGAAGGCAAC / ATCACGCGCCAGATTGACCG
RSP_3571	<i>znuA</i>	2.03	56	GATCACGGCGAACATGAG / GGCATCGTGAAGACGTA
RSP_3667		1.89	56	TGACGCTGACCGATGTGA / TGCGCCATCCGTATGAGT
RSP_3706		1.96	56	TCGATCTCGGCATCTACC / CACATCCTTGCGCAGAAC
RSP_3871	<i>modA</i>	2.06	56	CAACAGCGTACGATCTCCT / GACCTCGTCCATCCAGTTCA
RSP_4047	<i>pdhAa</i>	2.03	56	ACAAGCGCATCACCTCCT / TGTCGTTGCCGAGATAGC
RSP_4049	<i>pdhAb</i>	2.23	56	CCAGCACAGCCAGGATTA / GATGCCGAAGGAGACGAT
RSP_4050	<i>pdhB</i>	2.11	56	GCACCGCACGAATATCAG / CGAGAGCGTCATCGACAT
RSP_4157		1.86	56	ATAAGATCCGCGAGCTGAAG / ATCACGCTGCTAATCGTCAC
RSP_4158		1.99	56	GCGGCTATTCGGCGAAGATG / TCAAGCACCGCTCCTTCAG
RSP_6108	<i>pufBA</i>	2.00	62	CAGGCGCAGGAATTGCACTC / GAACCACGGACGCCAGATGT