

SI Table 1 Oligonucleotide primers

Gene/PA14 ORF	Primer	Primer Sequence (5'-3')	Application
01240	01240_F	GTGCTCACCGAAGAGAACG	Real-time PCR
	01240_R	AGGAAGCGACCCTGCTT	Real-time PCR
01250	01250_F	GTCTTCACCGACCTGCTGAC	Real-time PCR
	01250_R	GCATGGTCGACATAGCTGAG	Real-time PCR
04180	04180_F	CAAGGGCGACATCTACGAGT	Real-time PCR
	04180_R	CTTGTCGTTGATTTCCATCG	Real-time PCR
04270	04270_F	TCTACGAGATCCACGGTTTCC	Real-time PCR
	04270_R	GTGTCCAGCTCGACTACCAGA	Real-time PCR
07070	07070_F	TATAGCGACGAGCAGGGCAAG	Real-time PCR
	07070_R	TCAGCGCATAACGGAAGG	Real-time PCR
<i>bqsP</i>	PA2659_F	GCCGCTACATCTACCAGGTC	Real-time PCR
	PA2659_R	AGTCGTCCTGGTGGTCCTT	Real-time PCR
<i>bqsQ</i>	PA2658_F	ATGTCTACGAGGTGGAAGTCTGCT	Real-time PCR
	PA2658_R	GTCGTCTTCCTCGTCCTTCA	Real-time PCR
<i>bqsR</i>	JW1_F	GGAATTGTGAGCGGATAACAATTTACACAGG AAACAGCTGCCGAGATCTCCAGCAGGT	Construction of <i>bqsR</i> clean deletion
	JW1_R	GTTCGTCGGCCAGGGGAACGAGGTGATCGAGA CCCGCCGT	Construction of <i>bqsR</i> clean deletion
	JW2_F	AGGTGATCGAGACCCGCCGTGTTTCGTCGGCCA GGGAACG	Construction of <i>bqsR</i> clean deletion

	JW2_R	AGGCAAATTCTGTTTTATCAGACCGCTTCTGCG TTCTGATCCTGGATGCCAGCGCCTTT	Construction of <i>bqsR</i> clean deletion
	bqsR_F	CAGTGCGTGTGCCTGAAC	Real-time PCR
	bqsR_R	GCGGGTCTCGATCACCT	Real-time PCR
	NK29	ACCCGTTTTTTTGGGCTAGCGAATTCGAGCTCG GTACCCGAGGAGATATACATATGCGGTTGCTG CTGGTTG	Construction of <i>bqsR</i> complementation plasmid
	NK30	AATCTTCTCTCATCCGCCAAAACAGCCAAGCTT GCATGCCTGTGGTCGAACAGCCACAGG	Construction of <i>bqsR</i> complementation plasmid
<i>bqsS</i>	<i>dbqsS</i> 1	GGAATTGTGAGCGGATAACAATTTACACAGG AAACAGCTAAGGACCACCAGGACGACT	Construction of <i>bqsS</i> clean deletion
	<i>dbqsS</i> 2	GAAGAAGTGTAAAGCCCTGGCCCGCTGGATCG ACCTCAT	Construction of <i>bqsS</i> clean deletion
	<i>dbqsS</i> 3	ATGAGGTCGATCCAGCGGGCCAGGGCTTAACA GTTCTTC	Construction of <i>bqsS</i> clean deletion
	<i>dbqsS</i> 4	AGGCAAATTCTGTTTTATCAGACCGCTTCTGCG TTCTGATGGTTCGGTGCTGGAAGTG	Construction of <i>bqsS</i> clean deletion
	bqsS_F	CTGGCGCACATTTTCGATT	Real-time PCR
	bqsS_R	ACTTCGCTATCGGCCCACTT	Real-time PCR
<i>bqsT</i>	29750 F	TGGTGTTCCCTGTTGGGCGAGT	Real-time PCR
	29750 R	TTCCACGGCCTGCTCGTA	Real-time PCR
<i>feoB</i>	feoB_F	ACCCGATCCAGGTCGAGA	Confirm tn mutant
	feoB_R	CGGATCTGCATGAGTGTCG	Confirm tn mutant

SI Table 2 qRT-PCR data for Fig. 6

Time (hours)	<i>bqsS</i>	SD
9.33	0.28	0.10
11.33	1.26	0.65
13.17	3.37	1.96
14.83	5.67	1.17
16.67	7.65	1.21
18.67	6.89	1.31
20.83	6.07	1.07
25.33	0.17	0.20

Data are averaged from three independent cultures