Table S2. Primer table

Primer Name	Sequence	Function
cloning		
Δ*bqsRS* P1	GGAATTGTGAGCGGATAACAATTTCACACAGGAAACAGCTTCGCCAGGTCCAGTCCCTGG	Δ*bqsRS* construction
Δ*bqsRS* P2	CGGCAAATGGTGAAGAACTGTCAGTCGTCTTCCTCGTCCT	Δ*bqsRS* construction
Δ*bqsRS* P3	AGGACGAGGAAGACGACTGACAGTTCTTCACCATTTGCCG	Δ*bqsRS* construction
Δ*bqsRS* P4	AGGCAAATTCTGTTTTATCAGACCGCTTCTGCGTTCTGATCCCAGAGCATCGACAGCCTG	Δ*bqsRS* construction
Δ*bqsRSΩglmS*-pbqs-*bqsRS* g1	catgagctcactagtggatccGGCAGGTCGAGATGGTAG	Δ*bqsRS* complementation
Δ*bqsRSΩglmS*-pbqs-*bqsRS* g2	aaccgcatGGGAATCTCTCCGTGGGA	Δ*bqsRS* complementation
Δ*bqsRSΩglmS*-pbqs-*bqsRS* g3	agattcccATGCGGTTGCTGCTGGTT	Δ*bqsRS* complementation
Δ*bqsRSΩglmS*-pbqs-*bqsRS* g4	gaggtaccgggcccaagcttAACTGTTAAGCCCTGGCG	Δ*bqsRS* complementation
Δ*bqsS* comp P1	aaaaagagctcGGCAGGTCGAGATGGTAGTC	Δ*bqsS* complementation (PCR from plasmid complement)
Δ*bqsS* comp P2	aaaaActagtAACTGTTAAGCCCTGGCGGC	Δ*bqsS* complementation
bqsS-RAxxA P1	AACCTGCGCGCGGAGGCGGCGAACCTGCTG	site directed mutagenesis RAxxA
bqsS-RAxxA P2	CAGCAGGTTCGCCGCCTCCGCGCGCAGGTT	site directed mutagenesis RAxxA
bqsS-AExxE P1	CGCCGGCAACCTGGCCGAGGAGGCGGAG	site directed mutagenesis AExxE
bqsS-AExxE P2	CTCCGCCTCCTCGGCCAGGTTGCCGGCG	site directed mutagenesis AExxE
bqsS-HExxE P1	CGCCGGCAACCTGCACGAGGAGGCGGAG	site directed mutagenesis HExxE
bqsS-HExxE P2	CTCCGCCTCCTCGTGCAGGTTGCCGGCG	site directed mutagenesis HExxE
bqsS-RSxxS P1	AACCTGCGTCAGGAGGCTCAGAACCTGCTG	site directed mutagenesis RSxxS
bqsS-RSxxS P2	CAGCAGGTTCTGAGCCTCCTGACGCAGGTT	site directed mutagenesis RSxxS
Δ*bqsRΩglmS*-ptrc-*bqsR* g1	TCAACCAGCAGCAACCGCAgagctcgaattccatggtct	Δ*bqsR* constitutive expression complementation
Δ*bqsRΩglmS*-ptrc-*bqsR* g2	CCGGGGTGGCCGCCGGATGAggtacctcgcgaaggccttg	Δ*bqsR* constitutive expression complementation
Δ*bqsRΩglmS*-ptrc-*bqsR* g3	agaccatggaattcgagctcATGCGGTTGCTGCTGGTTGA	Δ*bqsR* constitutive expression complementation
Δ*bqsRΩglmS*-ptrc-*bqsR* g4	caaggccttcgcgaggtaccTCATCCGGCGGCCACCCCGG	Δ*bqsR* constitutive expression complementation
bqsR-D51A P1	CTGATCATTCTCGCGCTCGGCCTGCCCGGG	site directed mutagenesis D51A
bqsR-D51A P2	CCCGGGCAGGCCGAGCGCGAGAATGATCAG	site directed mutagenesis D51A
bqsR-D51E P1	CTGATCATTCTCGAGCTCGGCCTGCCCGGG	site directed mutagenesis D51E
bqsR-D51E P2	CCCGGGCAGGCCGAGCTCGAGAATGATCAGS	site directed mutagenesis D51E
Δ*bqsRΩglmS*-pbqs-*bqsR* g1	TGATTCCCACGGAGAGATTCATGCGGTTGCTGCTGGTTGA	Δ*bqsR* complementation

Δ*bqsR*Ω*glmS*-pbqs-*bqsR* g2	caaggccttcgcgaggtaccTCATCCGGCGGCCACCCCGG	*ΔbqsR* complementation
Δ*bqsR*Ω*glmS*-pbqs-*bqsR* g3	TCAACCAGCAGCAACCGCATGAATCTCTCCGTGGGAATCA	*ΔbqsR* complementation
Δ*bqsR*Ω*glmS*-pbqs-*bqsR* g4	CCGGGGTGGCCGCCGGATGAggtacctcgcgaaggccttg	*ΔbqsR* complementation
gel shift		
F corrected bqs BqsR binding	GGCCATGTCCTTGCGGCAAATTAAGCTTCAATTAAGAGCGCCCGGTTAATCTGCAAACCG	corrected sequence in front of *bqs* operon for potential BqsR binding site and flanking 20 bp (60 bp): with 5' labelled cy5
R corrected bqs BqsR binding	CGGTTTGCAGATTAACCGGGCGCTCTTAATTGAAGCTTAATTTGCCGCAAGGACATGGCC	corrected sequence in front of bqs operon for potential BqsR binding site and flanking 20 bp (60 bp):
Fur box F	GGTAAGGAAGTAGAGTCTTCTGATAATTATTATCATTCAGTCGCGTCCTCAGGGC	fur box in front of TonB (as negative control) 55 bp: for BqsR binding with 5' labelled cy5
Fur box R	GCCCTGAGGACGCGACTGAATGATAATAATTATCAGAAGACTCTACTTCCTTACC	fur box in front of TonB (as negative control) 55 bp:
bqsR BS in Fur F	GGTAAGGAAGTAGAGTCTTCTTAAGCTTCAATTAAGTTCAGTCGCGTCCTCAGGGC	BqsR binding site tandem repeats in the Fur box context (56 bp)
bqsR BS in Fur R	GCCCTGAGGACGCGACTGAACTTAATTGAAGCTTAAGAAGACTCTACTTCCTTACC	BqsR binding site tandem repeats in the Fur box context (56 bp)
FW Bqs BS delete all	GCC ATG TCC TTG CGG CAA ACG TGT CTT CAA CAG CTA GCG CCC GGT TAA TCT GCA AAC	
RV Bqs BS delete all	GTT TGC AGA TTA ACC GGG CGC TAG CTG TTG AAG ACA CGT TTG CCG CAA GGA CAT GGC	
cRACE		
WNp213	GTCTCGTTAGCTCGCTGGATCCTA 3´Inverted T	adaptor
WNp210	TAGGATCCAGCGAGCTAACGAGAC	prime off adaptor
bqs1	CGGCGTCACGCAGCTTCA	gene specific primer 1
bqs2	AGC TTC AGC GCC TCG T	gene specific primer 2
PA14_04180 RACE 1	TCGTCGATCTCCACCTTCA	gene specific primer 1
PA14_04180 RACE 2	ACTCGTAGATGTCGCCCTTGA	gene specific primer 2
PA14_04270 RACE 1	GCGGAAACGTCGTCGTTCAA	gene specific primer 1
PA14_04270 RACE 2	GTAGTCCGGCAGCCATATC	gene specific primer 2