

**Supplemental table 1.** PCR primers for recombinant plasmid construction and mutant strain identification.

<b>Primers<sup>a</sup></b>	<b>Sequence (5'–3')</b>	<b>Restriction site incorporated</b>
<i>tuf1-L-f</i>	TATCGATTACACCCACAAGAAG	<i>Clal</i>
<i>tuf1-L-r</i>	TGAATTCCTATCGAGCCGAAGACCAAGG	<i>KpnI</i>
<i>tuf2-L-f</i>	TGGTACCCGCCGTTGTTCTCTTTGTTT	<i>EcoRI</i>
<i>tuf2-L-r</i>	TGAATTCGAAAAGTTTTCTGGTGCGAAG	<i>KpnI</i>
<i>B-tuf2-L-f</i>	TAGATCTATGGCAAAGAGTAAGTTTGAAC	<i>BglII</i>
<i>B-tuf2-L-r</i>	AGGTACCCGCTCTACCAACTGAGCTATAC	<i>KpnI</i>
<i>Kan<sup>r</sup>-f</i>	TGGTACCGCGCGGAACCCCTATTTG	<i>KpnI</i>
<i>Kan<sup>r</sup>-r</i>	TCTGCAGCGGTGGAATCGAAATCTCGTG	<i>PstI</i>
<i>tuf1-R-f</i>	TCTCGAGCAACTTCAATATTCTGCGTGG	<i>XhoI</i>
<i>tuf1-R-r</i>	TCTGCAGGAAGATTGTGCAGGGGCGCTC	<i>PstI</i>
<i>tuf2-R-f</i>	TCTCGAGACGATCTGTTCGATCAGATC	<i>XhoI</i>
<i>tuf2-R-r</i>	TCTGCAGTGATTTTCGACCGGCGGTTTCG	<i>PstI</i>
<i>B-tuf2-R-f</i>	TCTGCAGGACGGTCTCCAAAACCGTAGG	<i>PstI</i>
<i>B-tuf2-R-r</i>	TCTCGAGGATCAGATCGGACAAGCCTTTC	<i>XhoI</i>
<i>Id-tuf1-L-f</i>	CAAGAGTGGTAATCGTGAGATCC	
<i>Id-tuf2-L-f</i>	ACTTCAACGATCTTCTCGGTTCG	
<i>Id-tuf-R-r</i>	TTCTTGACGAGTTCTTCTGAGCG	

<sup>a</sup>Abbreviations: f, forward primer; r, reverse primer; B, back mutant primer; L, upstream sequence; R, downstream sequence; Id, Identification primers.