

TABLE S2**Primers**

Name	Purpose	Sequence (5' -3')
<i>ileS</i> Forward	PCR	GGTCAAAGGGGTCTATGC
<i>ileS</i> Reverse	PCR	CAACAAAGCCGTGCCACA
<i>ileS</i> qPCR Forward	qPCR primer	GCGAGCGTGAAAAATATGTCTTC
<i>ileS</i> qPCR Reverse	qPCR primer	CGTCATTAAATTCTTCATTCTCTTCCA
<i>recA</i> qPCR Forward	qPCR primer	GCGGAAATCGGCGACTCT
<i>recA</i> qPCR Reverse	qPCR primer	CATACGGATCTGGTTGATGAAAATC
Prom <i>ileS</i> Forward	Promoter cloning	TGCGTTGTGCTTACGAGCCTTT
Prom <i>ileS</i> Reverse	Promoter cloning	CAGCATTCCCAGTTCACGCTT
<i>ileS</i> (1)	Sequencing	AGCATTTCATATTGGTCACTCA
<i>ileS</i> (2)	Sequencing	CTTCATTCTGCTGGGCGTGTT
<i>ileS</i> (3)	Sequencing	ATCTGGTTGAAAGCGTCAT
<i>ileS</i> (4)	Sequencing	CTGGCGCGATGGAAGAGGTG
<i>ileS</i> (5)	Sequencing	TCCTGCTGGCGAACCTCAATG
<i>ileS</i> (6)	Sequencing	GAACCT GGAAGCAAAGTGAC
Prom <i>ileS</i> (1)	Sequencing	GGACGAGTGCCAATGTTTCGCTA
Prom <i>ileS</i> (2)	Sequencing	CGCATGGCGATGAAAAGCATCT
STM0036 Forward	Probe a for Southern	ACATATCGCGATGACGCCGTGGTC
STM0036 Reverse	Probe a	CGGTAGATAGTCTGGGCTCCCCAG
caiT Forward	Probe b	GTAGCTACGCACATCGCTGGCGAT
caiT Reverse	Probe b	TCACCAACGTCTGGGGTTGGGCAT
STM0019 Forward	Probe c	CGGATGAGCGTACCGTCACGCT
STM0019 Reverse	Probe c	TTATGGATCGGTAACGTCGCGT
kefC Forward	Probe d	TATTGGCGTCGGCATGTGCGATT
kefC Reverse	Probe d	ATGCGACTTCACCAGTTCACTCAG
talB Forward	Probe e	TGAAGCGTCTATCGCCAAAGCA
talB Reverse	Probe e	TTCTTGGTCTACCGCAAACCTTACG
sthB Forward	Probe f	TCCACGCCCGTTTCGTTATTCA
sthB Reverse	Probe f	CACCGACCTGTGTTATCGCAA
serB Forward	Probe g	TCCACGGCGATCCAAATTGAGT
serB Reverse	Probe g	ATGCAAACACGCCCATCAGGT
murD Forward	Probe h	TCGCGAATTGTACGTGCTGGAA
murD Reverse	Probe h	ATCCAACGTACGCCGTTATGCT
deoB Forward	Probe i	AAAACAGCTTCCCGCAGGAAC
deoB Reverse	Probe i	GATGGTTTTATCGCCCGCTTCT
dnaC Forward	Probe j	CGTTCGCCAAGCATTTCGTCA
dnaC Reverse	Probe j	AAATGCAGCGCACCTTTAACCG
recA Forward	Probe recA	ATCGGGCGTGGCATTCTGATTA
recA Reverse	Probe recA	CGAAAGCGGAAATCGAAGGCGAAA

CA5	Joint Point mapping*	ATCGCCACCCTAATTAAACCCA
BD1	Joint Point mapping	TGGCTGAGACTATTCGTCAGCA
IC9B	Joint Point mapping	GCCGACGCCATTGATAAAGCC
IG1B	Joint Point mapping	AGGCACCCATACCGATCACCA

* Complete list of primers used for joint point mapping is available upon request.