

Supplementary Table 2: Primers

Purpose	Genes	Sequence (5' to 3')
Deletion	<i>relA</i>	F: TTACCGACTTCGGTAGGCCTGGTCCCTTAAGGAGAGGACGTA TGAATATCCTCCTTAGTT R: GAACGAGTAGCAAAGCCGCTACATGATTACTGTCTGGGGTGT GTAGGCTGGAGCTGCTTC
	<i>gppA</i>	F: GTACGCAGCCAACACGGATACAGGTTGAAGGATGAAGTGTTA TGAATATCCTCCTTAGTT R: GGCCGATAAGCGAAGCGTCATCCGGCAATCAAACACTACGGGT GTAGGCTGGAGCTGCTTC
	<i>ilvD</i>	F: GCGTGAAGTATGAAGGGAAAAGATGGGGAGTAAATAAAGCTA TGAATATCCTCCTTAGTT R: CCTTCCGGCGCGACTGACAGAGGTTGAGATTCCGCCATCAGT GTAGGCTGGAGCTGCTTC
	<i>livKHM GF</i>	F: AAAACAAAACATATAACATCACGAATGGGGATACAGGCACTAT GAATATCCTCCTTAGTT R: GTTACCGGGGGCGGCGCACGCGCTTCCCCCTGGCACAGTG TGTAGGCTGGAGCTGCTTC
	<i>brnQ</i>	F: TAATGTTTACAACATCACCATCCACAGGCAGTAAGACTTTGTG TAGGCTGGAGCTGCTTC R: GGGGCGTTAAGCCCCGTGGTGTACACATATGTCAGCGATTAT TCCGGGGATCCGTGCACC
Epitope Tag	<i>ilvB</i>	F: GGTGCCGCCGGGCGCGGCAAATACAGAGATGGTGGGGGAAG ACTACAAAGACCATGACGG R: GCTCCAGAATAACGTTATCATGTGATTGTTTCTGCATGGCCAT ATGAATATCCTCCTTAG
	<i>ilvC</i>	F: CGGCTATATGACGGATATGAAGCGTATTGCGGTAGCGGGTGA CTACAAAGACCATGACGG R: GTAGGTCAGGTAAGCGCTAGCGCCCCCGACAAGGTATACAT ATGAATATCCTCCTTAG
	<i>ilvD</i>	F: CGATAAAGGCGCGGTGCGCGATAAATCGAAATTGGGAGGTGA CTACAAAGACCATGACGG R: TGATGGCGGAATCTCAACCTCTGTCAGTCGCGCCGGAAGGCA TATGAATATCCTCCTTAG
	<i>leuD</i>	F: GATTGCCGCCTACGAAAATAAACAACCGGCATTTATGCGGGA CTACAAAGACCATGACGG

		R: TGATATTGCATAACCTGTAGGCCCGGTAAGGCGTCAAGGGC ATATGAATATCCTCCTTAG
Cloning	<i>relA</i>	F: TAGGGCCCAGACTTTATTTCAGGTTAATGAGGCGGTAAAC R: TACTCGAGTTACCCCCGTGCAGTC
Point Mutation	<i>relA-D275G</i>	F: ACGGCGCGCACGCCAAAGAGTTCATCAAACG R: CGTTTGATGAACTCTTTGGCGTGCGCGCCGT
	<i>relA-E335Q</i>	F: CGGATCTGGATCTGAACGGTTTTACCGCCCCG R: CGGGCGGTAAAACCGTTCAGATCCAGATCCG
Complementation	<i>relA</i>	F: CTTACCGACTTCGGTAGGCCTGGTCCCTTAAGGAGAGGACG ATGGTCGCGGTAAGAAGTGAC R: TGCTGAACGAGTAGCAAAGCCGCTACATGATTACTGTCTGG GGTGTGTTAGGCTGGAGCTGCTTC
qPCR	<i>ilvB</i>	F: AGTTCGGGCACAACA R: CCGGTGACGATACGAAT Probe: 56-FAM/TCCGCGCCCGTAAAGC/38BHQ_1
	<i>ilvC</i>	F: AGGCTGACCTGGTAGTTAACCTG R: ACCACGGTGATGTCTTTACGGA Probe: 56-FAM/CTGCTCGCCCACTTCCACGAT/38BHQ_1
	<i>ilvD</i>	F: CGCCAAGTACCCAGAAATACCA R: TTCGTCCTGCGTAACCGTGA Probe: 56-FAM/CCGCAAACGCTGGAACAGTACGAC/38BHQ_1
	<i>leuA</i>	F: ATCATGACGCCAGAGTCCATC R: CGCTTCCAGGTCATAGTCGAAC Probe: 56-FAM/TCGTACAGGTGGTCCATGTTGTAGTCT/38BHQ_1
	<i>hmpA</i>	F: CCAGCTTTGAGTTTGAACCAGTCG R: TTCACGGCAATACGGTACCCT Probe: 56-FAM/CAGGAGATCCGCCAATATTCAGTACCC/38BHQ_1
<i>in vitro</i> Transcription	<i>ivbL</i>	F: CATTACGCTGTAAGAACCTCGCTT R: AGCCGACGTTCCGGGAAGG
	<i>ilvD</i>	F: TGAATCGCTGTATCTGGCCG R: GCCATATTACGACCATGAGTGGTG