

Table S6. Oligonucleotides used in this study

Primers for constructing deletion mutants		
BT2167_5f – forward primer for the region upstream of <i>BT2167 (fusA2)</i> : GCTCTAGAACTAGTGGATCCTTTCGCCGGGCAGTCCGTAA	This stud y	W3 569
BT2167_5r – reverse primer for the region upstream of <i>BT2167 (fusA2)</i> : AATATATAAGATTTTAGTAATTACTCAGTATGTTTCTCGC	This stud y	W3 570
BT2167_3f – forward primer for the region downstream of <i>BT2167 (fusA2)</i> : TTACTAAAATCTTATATATTACAATAATTCTCTCAAACACTGTTAAA ACCG	This stud y	W3 571
BT2167_3r – reverse primer for the region downstream of <i>BT2167 (fusA2)</i> : AAGATAACATTCGAGTCGACCGTCTAATCATGTCCAACACTACTT C	This stud y	W3 572
mutP2167uR – reverse primer for the region upstream of the 22bp motif in <i>BT2167 (fusA2)</i> promoter: TATTTATGACAGTGTTACTATCCGTTTTATGGGTAGCAG	This stud y	W4 686
mutP2167dF – forward primer for the region downstream of the 22bp motif in <i>BT2167 (fusA2)</i> promoter: TAGTAACACTGTCATAAATATTGCTTTT	This stud y	W4 687
mutP2167dR – reverse primer for the region downstream of 22bp motif in <i>BT2167 (fusA2)</i> promoter: AAGATAACATTCGAGTCGACACCAATGCTTTATGCATTTC	This stud y	W4 688

Primers for constructing pNBU2-tetQ plasmids		
PmalRF – forward primer to generate a construct encoding wild-type BT4338 or BT4338 with a C-terminal epitope tag in pNBU2-tetQ: GCTCTAGAACTAGTGGATCCTCAAAGTACTGGTACGCGAAATGA	PMI D: 2772 9509	W2 935
nbu4338-4xG-HAr – reverse primer to generate a construct encoding BT4338 with a C-terminal epitope tag in pNBU2-tetQ: GAAGATAGGCAATTAGTCGACTTAAGCGTAGTCTGGGACGTCGTA TGGGTACCCGCCACCTCCTCCTATCTTGCTTATTTTCTTGAGTTTTTC	This stud y	W4 101
nbu4338r – reverse primer to generate a construct encoding wild-type BT4338 in pNBU2-tetQ: AAGATAGGCAATTAGTCGACTTATCCTATCTTGCTTATTTTCTTGA GTTT	This stud y	W3 185
Primers for constructing pKNOCK-tetQ plasmids		
pKOBT2167f – forward primer to generate a construct encoding the C-terminal of BT2167 epitope tag in pKNOCK-tetQ: AGTGGATCCCCGAAGATTCCGTATCGTGA	This stud y	W3 592
nbuBT2167FL – reverse primer to generate a construct encoding the C-terminal of BT2167 epitope tag in pKNOCK-tetQ: AAGATAGGCAATTAGTCGACTTACTTGTCATCGTCATCCTTATAAT CTTCCTCTGTTTGTTTAGCTTCAAATC	This stud y	W3 591
koBo04581f – forward primer to generate a construct encoding the 157-556 bp of BT4338 sequolog in <i>B. ovatus</i> (<i>Bovatus_RS22425</i>) in pKNOCK-tetQ	This stud y	W4 645

koBo04581r – reverse primer to generate a construct encoding the 157-556 bp of BT4338 sequolog in <i>B. ovatus</i> (<i>Bovatus_ RS22425</i>) in pKNOCK-tetQ	This stud y	W4 646
Primers for measuring gene expression by qPCR		
qBT16sF – forward primer for measuring the <i>fusA2</i> transcript by qPCR:GGTAGTCCACACAGTAAACGATGAA	PMI D: 2772 9509	102 56
qBT16sRr – reverse primer for measuring the <i>fusA2</i> transcript by qPCR:CCCGTCAAATTCCTTTGAGTTTC	PMI D: 2772 9509	102 57
qBT2167f – forward primer for measuring the <i>fusA2</i> transcript by qPCR:AAAACGTCGCGGATCTGTTG	This stud y	W3 565
qBT2167r – reverse primer for measuring the <i>fusA2</i> transcript by qPCR:TTTCCAGACGCCACTTCAAC	This stud y	W3 566
q2729F890 – forward primer for measuring the <i>fusA</i> transcript by qPCR:CGAATACAGGTGCAGAAGAA	This stud y	W4 344
q2729R990 – reverse primer for measuring the <i>fusA</i> transcript by qPCR:GTCAAACGACCTACATAAGGG	This stud y	W4 345

qBT0356F – forward primer for measuring the <i>araM</i> transcript by qPCR: AACGGCAACGGATATGATCAC	PMI D: 2772 9509	W1 784
qBT0356R – reverse primer for measuring the <i>araM</i> transcript by qPCR: GCTACCTGCGAGATGTCACCTT	PMI D: 2772 9509	W1 785
ChIP-qPCR primers		
1311chipF – forward primer for measuring the ChIP-enrichment of <i>BT1311</i> promoter: GTCAGTGATCTGGAAGAAGCAATG	PMI D: 2504 1429	136 21
1331chipR – reverse primer for measuring the ChIP-enrichment of <i>BT1311</i> promoter: GGGAATACACCTGTCAGGAACAA	PMI D: 2504 1429	136 22
CHIP2167F1 – forward primer for measuring the ChIP-enrichment of <i>fusA2</i> promoter: GCATCACTAAATTAATGGTATGCG	This stud y	W4 852
CHIP2167R1 – reverse primer for measuring the ChIP-enrichment of <i>fusA2</i> promoter: CCCAACAAGGCAATGTTCT	This stud y	W4 853

CHIPBT0356F – forward primer for measuring the ChIP-enrichment of <i>fusA2</i> promoter: CGGCTTCCGAGCTGACTTTA	This study	W3 335
CHIPBT0356R – reverse primer for measuring the ChIP-enrichment of <i>fusA2</i> promoter: GGCATTGTTCACTTCTGTTTG	This study	W3 336
3348chipF – forward primer for measuring the ChIP-enrichment of <i>BT3348</i> promoter: CTGTGCAAATATGCCCTTCAAG	PMI D: 2504 1429	133 13
3348chipR – reverse primer for measuring the ChIP-enrichment of <i>B3348</i> promoter: GAATAGACCGTCCCAAATAATCCA	PMI D: 2504 1429	133 14
qPCR primers for bar-coded strains		
pNBU2_tet_BC01 – forward primer for measuring the bar-code in <i>pNBU2-tetQ::BC01</i> : ATGTCGCCAATTGTCACCTTCTCA	PMI D: 1899 6345	W1 701
pNBU2_tet_BC03 – forward primer for measuring the bar-code in <i>pNBU2-tetQ::BC03</i> : TTATGACCAGCCGCAAATGAAAAG	PMI D: 1899 6345	W1 702

