

Supplemental materials of JB01472-13:

TABLE S1. Primers used in this study

Primers	Sequences (5' to 3') ^a
HA1F	GCTGAATTCCTCGTCCATCATTTTTTGCGG
HA1R	TACAAGCTTCTCTAGACAGATGGTGCCTTTCC
HA2F	CGCGAATTCTCTAGACCGTCTACCTGACCAACTC
HA2R	GCTAAGCTTGAGCTCCGTCACGTCCTGCGAAAT
KF	ATACCGTAAAGCACGAGG
KR	CCCTGAATGAACTCCAAG
D1F	TGCCAAAGGGTTCGTGTA
D1R	CAGATGAGTTTCCCGGTT
D2F	AGTTCGGGATCGAAAGC
D2R	GGATGTAACGCACTGAG
S1F	TCCGCCGCTGTTGCTGTT
S1R	TCTGCCGCTGTGCCATT
S2R	TGGGGTTCGCATGCTGAT
S3F	GAATGTCATCCCGTTGC
SMF	TGTCAGAGGCGGAGAATC
SMR	CAAGTCAGAGGGTCCAATC
ProbeF	TGCGAATTCGTAACCAGCCAGCCATCT
ProbeR	GCTGAATTCCTTTCGTATGGCCCTGAC
TF	CGCGGGTACCTGGATTGGAGACTTGAT
TR	TATAGGATCCTGAACCCGCAGCCAGAACG
TTF	GCGCTGCAGTCCCGTTCTGGATAATGT
29F	TGTGGTCTATGCGGAAAG
29R	GTTGGCGAAGTTGAAGGCT
44F	CCACTGGATGGCCTACAAAT
44R	CCGACAATCAGCATAAAGCCTG
48F	TGTCCTTCGTGCTGATGC

48R	ATCCAGCGAAACCACCCT
267F	ATACCTTCCGCAGCGAGTT
267R	GGTAATGCAACAGATAACGCC
269F	GAAACCAGCACCTACACCT
269R	TGGGTATCGAGCACGTATG
539F	GCCCATTCATCGGTTTCAT
539R	CGCCATTACTCAGACGCAT
1792F	TGCCATGATCGTCGCTTCC
1792R	TTCCTTGAGGCCCTTCGTC
2554F	GCGGGAGAAGGTCAAGAAGAT
2554R	GTTGCTCATGTCGATGGTC
2558F	TCAAAGCCTTACGGGAAC
2558R	CGATTTATCCATCTGCTGCAC

^a Artificial restriction sites are underlined.

TABLE S2. Predicted sizes of the fragments amplified by PCR with the designed primer pairs in the screening for the $\Delta tetH$ mutant

Primer pairs	Templates and sizes of PCR products		
	Wild type (WT)	$\Delta tetH$ Mutant (MT)	Single recombinant (B1)
S1 (S1F/S1R)	1723 bp	466 bp	466 bp, 1723 bp, 5686 bp
S2 (S1F/S2R)	2379 bp	1122 bp	2379 bp, 6342 bp
S3 (S3F/S2R)	3362 bp	2106 bp	7326 bp
D1 (D1F/D1R)	—	—	1533 bp
K (KF/KR)	—	—	537 bp

‘—’ indicates no fragments would be amplified.