

Table S1. Primers used in this study.

Primer	Sequence (5' → 3')	Accession number and corresponding sequence
T7-F	tgtaatcagactcactatcgg	U25268.1 (2249-2269)
SP6-R	athtaggtgacactatagaat	U25268.1 ( <u>153-173</u> )
Btr-1	acataataaagcgcgctcgg	LC532380 (745-764)
Ba-ccpA-1-F	gttaacctgCGGacaagcc	JN561694 (1113-1141)
Ba-pfs-2-R	gctgcatttacttttctactcc	JN561694 (2395-3317)
Bt-motP-EcoRI-F	aatagaAttCggagattaattcaatcaggg	LC532380 (279-308)
Bt-motS-XbaI-R	cctattttcatttctaGAacctcagcatcc	LC532380 ( <u>2010-2041</u> )
Bt-motP-SacII-F	tagaCCGCggagattaattcaatcaggg	LC532380 (281-308)
Bt-motS-SacII-R	cctaCCGCGGtttctaacacctcagcatcc	LC532380 ( <u>2010-2041</u> )
Bp-MotP-SacII-F	cctaaagttccgCGGacaaaaccg	AL009126.3 (1435315-1435291)
Bp-MotS-SacII-R	cattcatCCgCGGattactgc	AL009126.3 ( <u>2138860-2138881</u> )
Ba-MotP-BamHI-F	gtcgtGGATccacacctatagaatttag	JN561694.1 (1378-1377)
Ba-MotS-SacII-R	ggaatattgtctccGgggtcttaataag	JN561694.1 (3015-2987)
BtP-BpS-(F)	ggtgatcaagatgttgaagcgtagatgaagcgtaggcgacccagcaagag	LC532380 (1097-1120), U91841.2 (1711-1734)
BtP-BpS-(R)	ctctgtggtgctgcctacgcttcatctacgcttcaacatcttgatcacc	LC532380 ( <u>1097-1120</u> ), U91841.2 ( <u>1711-1734</u> )
BpP-BtS-(F)	gggatgaagacaatgaagcgtagatgttgaagcgtaggcgtaacaagtgataaagg	LC532380 (1105-1141), U91841.2 (1699-1721)
BpP-BtS-(R)	cctttatcaactgttgacgctcactgcttcaacatctacgcttcattgttctcacc	LC532380 ( <u>1105-1141</u> ), U91841.2 ( <u>1699-1721</u> )
BpP-BaS-(F)	gggatgaagacaatgaagcgtagatgctgaggcgtagaaaacaagtacctg	U91841.2 (1699-1721), JN561694.1 (2257-2284)
BpP-BaS-(R)	caggactgttttctacgctcagcatctacgcttcattgttctcacc	U91841.2 ( <u>1699-1721</u> ), JN561694.1 ( <u>2257-2284</u> )
BaP-BpS-(F)	gggtgaacaaaatgctgaggcgtagatgaagcgtaggcgacgcccagcaagag	JN561694.1(2247-2271), U91841.2 (1711-1734)
BaP-BpS-(R)	ctctgtggtgctgcctacgcttcatctacgctcagcattttgttcacc	JN561694.1 ( <u>2247-2271</u> ), U91841.2 ( <u>1711-1734</u> )
BtP-BaS-(F)	ggtgatcaagatgttgaagcgtagatgctgaggcgtagaaaacaagtacctg	LC532380 (1097-1120), JN561694.1 (2257-2284)
BtP-BaS-(R)	caggactgttttctacgctcagcatctacgcttcaacatcttgatcacc	LC532380 ( <u>1097-1120</u> ), JN561694.1 ( <u>2257-2284</u> )
BaP-BtS-(F)	ggtgaacaaaatgctgaggcgtagatgttgaagcgtaggcgtaacaagtgataaagg	JN561694.1 (2247-2271), LC532380 (1105-1141)
BaP-BtS-(R)	cctttatcaactgttgacgctcactgcttcaacatctacgctcagcattttgttcacc	JN561694.1 ( <u>2247-2271</u> ), LC532380 ( <u>1105-1141</u> )
pAX01-F	ccgctcatgagacaataacc	AB5177281.1 (7398-7348)
pAX01-R	gggggaaatgacaatggtcc	D50399.1 ( <u>3236-3216</u> )

Amino acid substitution mutation sites are shown in capital letters in the base sequence of each primer, and restriction enzyme recognition sites are shown in red. Minus strand primers are underlined in the corresponding sequence.