Table S1. Primers used in this study.

Primer name	Sequence 5'-3'	Target gene(s)	Application	Reference
HP0379 F	CTC TCG TGA TCT TGG CTT ATT	*futA* upstream	Seq	[1]
HP0379 R	AAG TAG CGT CTG CGA TGA	*futA* downstream	Seq	[1]
C-tract up 651	GCC CTA ATC AAG CCT TTG	*futB* upstream	Seq	[1]
Repeat down 651	AAA ACC CCA CGC TCA AAA A	*futB* downstream	Seq	[1]
FucT F1	TTC CAA CCC CTA TTA GAC G	*futA*, *futB*	PCR, Seq	[2]
FucT F3	GAT CGT TAT TTG AGA ATG CC	*futA*, *futB*	Seq	[2]
FucT F4	CAA AGA CAA CAG CCT TTA TGC	*futA*, *futB*	Seq	[2]
FucT F5	GCG AGT TTT TAA GCC AAT AC	*futA*, *futB*	Seq	[2]
FucT R1	GTT AAA ATC TTT CGC CAC G	*futA*, *futB*	PCR, Seq	[2]
FucT R2	GGG TGT TTA AAG GGT TTT C	*futA*, *futB*	Seq	[2]
FucT R3	TTT CTC ACA CTT CCT CCC C	*futA*, *futB*	Seq	[2]
FucT R4	GTT GCT CGC TAC AAA ACT G	*futA*, *futB*	Seq	[2]
cagAsbra F	ATG ATG GCG TGA TGT TTG T	*cagA*	PCR	[3]
cagAsbra R	TTT TCA AGG TCG CTT TTT GC	*cagA*	PCR	[3]
UpCagF	ACT TTC ACG CCC TTT CCC TCC	*cag* PAI empty site	PCR	[3]
DownCagR	TTG CAT GCG TTA TTA TTT CAC	*cag* PAI empty site	PCR	[3]
1290	GTG GAT GCG A	randomly	RADP	[4]
1283	GCG ATC CCC A	randomly	RADP	[4]

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