

Supplementary Table 1. Primers used in this work

Primer	# Bases	Sequence	Restriction enzyme	length of amplified fragment
Pgiv-fw	25	AAAAAAGCTTGCGACGTGCTCGAAG	<i>HindIII</i>	995
Pgiv-rev	24	AAAGGATCCATGCGGCCTGAGTGG	<i>BamHI</i>	995
Pgih-fw	26	AAAGCGGCCCGCAGCTGCGCGGCTAAG	<i>NotI</i>	913
Pgih-rev	23	AACTCGAGCCTGCACGCGGTTGA	<i>XhoI</i>	913
GumDv-fw	25	AAAAAAGCTTCGGCAGGCTTCCAGT	<i>HindIII</i>	882
GumDv-rev	25	AAGAGCTCATCGCGGCGAGGATG	<i>SacI</i>	882
GumDh-fw	26	AAAGCGGCCCGCGCGTGCTCGGACAGA	<i>NotI</i>	845
GumDh-rev	23	AACTCGAGAGTCGGCCGTCGGAT	<i>XhoI</i>	845
Pfkv-fw	25	AAAAAAGCTTGCTGAACGCCAGTCG	<i>HindIII</i>	1002
Pfkv-rev	24	AAAGGATCCGACGGCAGTGACACC	<i>BamHI</i>	1002
Pfkh-fw	26	AAAGCGGCCCGCCGGCAGCGATGGACT	<i>NotI</i>	912
Pfkh-rev	23	AACTCGAGAGCGTGCCTCGATGG	<i>XhoI</i>	912
Tktv-fw	24	AAAAAAGCTTGCGGCCTACGTCGG	<i>HindIII</i>	858
Tktv-rev	23	AAAGGATCCTCGGCGGCGAGGAA	<i>BamHI</i>	858
Tkth-fw	26	AAAGCGGCCCGCCGCAAGGCGCTGTA	<i>NotI</i>	892
Tkth-rev	24	AAATCTAGAACCGCCAGTTGGTC	<i>XbaI</i>	892
Eddv-fw	25	AAAAAAGCTTAGCCTGGTGCGCTAC	<i>HindIII</i>	789
Eddv-rev	24	AAAGGATCCGCGCTTGCGGATACG	<i>BamHI</i>	789
Eddh-fw	24	AAACTCGAGGCCGTCTCCAGGAGT	<i>XhoI</i>	720
Eddh-rev	24	AAATCTAGACGCTGCTCTCCGTTC	<i>XbaI</i>	720
nptrev_val	20	GCCGGAGAACCTGCGTGCAA		
nptfw_val	20	GCTGACCGCTTCCTCGTGCT		
KanLoxPI	59	ACTAGTATAACTTCGTATAATGTATGATATA CGAAGTTATGAACCGGAATTGCCAGCTG	<i>SpeI</i>	1004
KanLoxPR	61	ACTAGTATAACTTCGTATAGCATACATTATAC GAAGTTATTTCAGGAGGACTCGTCAAGAAG	<i>SpeI</i>	1004