

Table S3 Primers used in this study

Primer name	Sequence (Restriction enzyme sites are underlined)	Note
SL1101	GTC <u>GAGCTCGTGGT</u> CACGTCAGAAAAGGGCA	sipA up Sac I Knock-in 3*flag
SL1102	TCCCCCGGGACGCTGCATGTGCAAGCCATCAACG	sipA up Sma I Knock-in 3*flag
SL1103	CGCCTCGAGTAATTAACCGGGAAAGATGCGATGA	sipA down Sac I Knock-in 3*flag
SL1104	CATGGTACCGTTCACCATTAATCACCATAA	sipA down Sma I Knock-in 3*flag
SL1105	CTTGTCGACGTTCCACCATTAATCACCATAA	sipA down Sal I Knock-in 3*flag
SL1106	GTCGAGCTCACCATTGTCAGCGTTGTGGC	sipB up Sac I Knock-in 3*flag
SL1107	TCCCCCGGGTGCGCGACTCTGGCGCAGAATAAAA	sipB up Sma I Knock-in 3*flag
SL1108	CGCCTCGAGTAAAAACTGCCAAAATAAAGGGAGA	sipB down Xho I Knock-in 3*flag
SL1109	CATGGTACCCTTCATATTTAACGATTTTCAGAGAA	sipB down Kpn I Knock-in 3*flag
SL1110	CTTGTCGACCTTCATATTTAACGATTTTCAGAGAA	sipB down Sal I Knock-in 3*flag
SL1122	CGCGGATCCATTCGTCGATATCTATATACTTTTCTG C	prgK 5' BamH I
SL1123	CCGGAATTCCTATTCATTTGACGATTTTCGCCTTA	prgK 3' EcoR I
SL1124	CGCGGATCCGCGATGTCGATTGCAACTATTGTCCC TGA	prgH 5' BamH I
SL1125	CCGGAATTCGGTCATGAGCGTAATAGCGTTTCAA CAG	prgH 3' EcoR I
SL1140	CGCGGATCCTTTTACGCGTTGTACTTTGAAATTCA	spaR 5' BamH I
SL1141	CCGGAATTCCTTATTCGAGGACATGCGTCGCC	spaR 3' EcoR I
SL1142	CGCGGATCCTCCTCGAATAAAACAGAAAACCG	spaS 5' BamH I
SL1143	CGCGGATCCTCAATGCCGTACCTCGTTTTCTTGTG	spaS 3' EcoR I
SL1144	CGCGGATCCAAGACACATATTCTTTTGGCCAGAG	invG 5' BamH I
SL1145	CGCGGATCCTTTAATTGCCTCCTGACCTCTATC	invG 3' EcoR I
SL1146	CGCGGATCCTCGATTGCAACTATTGTCCCTGA	prgJ 5' EcoR I
SL1147	CTGGTCTGACTCATGAGCGTAATAGCGTTTCA	prgJ 3' Sal I
SL1148	GTTGTAGGGAAAGCTTCGCCAGTAATGCGTTAGGA	InvG(E/A) 5'
SL1149	TCCTAACGCATTACTGGCGAAGCTTCCCTACAAC	InvG(E/A) 3'
SL1150	CAAATCAGCCCCAGTTGTGCGGAAAGCTTCTCCA GTAAT	InvG(L/A) 5'
SL1151	ATTACTGGAGAAGCTTTCGCGACAACCTGGGGCTGA TTTGG	InvG(L/A) 3'
SL1152	GCCCATCGAAATACCAAGCCAGCCCCAGTTGTAG	InvG(I/A) 5'

	GG	
SL1153	CCCTACAACCTGGGGCTGGCTTGGTATTTTCGATGGG	InvG(I/A) 3'
	C	
SL1154	GCCACGTAGCGGGTAAGCTTTGTTATATAAACCTG	InvG(N/D) 5'
	AGCGTTTTAGAA	
SL1155	TTCTAAAACGCTCAGGTTTATATAACAAAGCTTACC	InvG(N/D) 3'
	CGCTACGTGGC	
