

## Supporting information

**S1 Table.** Primer lists used in this study

Gene	Prophage and PI	Primer name	Oligonucleotide sequence (5'-3')	Product size (bp)
<i>int-1</i>	VB16-Pro1	int1-F	TGACCACTCCACCGAAAGTG	258
		int1-R	TCACCGAATCTCCCTCCTGT	
<i>int-2</i>	AH18-Pro1	int2-F	GAGGTAGTAAGCCGTCACGT	552
		int1-R	TGACACGTTGACCTTGCTCT	
<i>int-3</i>	VB88-Pro2	int3-F	AGACAATAGTGACCTGCGGC	486
		int1-R	GGCCGAGGGTATATTGACCG	
<i>int-4</i>	VB16-Pro3	int4-F	ACGAACAAAGTTTACGCGGC	404
		int1-R	TTTTTGAGCAGCTGCACGTC	
<i>int-5</i>	AI14-Pro1	int5-F	GGCGCTTGCAACTACGTAAC	257
		int1-R	CACATGTCCTACACGCTCCA	
<i>int-6</i>	AK9-Pro1	int6-F	AGACACGTTTGGCAGAATTGA	492
		int1-R	TTACGTGGCCGCACATACTT	
<i>int-7</i>	AP20-PI1	int7-F	ACGGAACAATACACTGGCGT	413
		int1-R	CATTTGCTCGGTTACGTGGC	
<i>int-8</i>	AP20-PI2	int8-F	GACGGGGCTTCAAGACTGAA	522
		int1-R	CGCCACGTCTAAAGCCAGTA	
<i>spsO</i>	VB88-ST45	spsO-F	GCGCCGATCCTACAGTAGTT	850
		spsO-R	GGGGCTATTGCGATGTCGAT	