

1 **Supplementary table 3 – Primers for mobile genetic elements**

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Gene	#	Sequence	Base pairs
<i>chp</i>	1	TTTACTTTTGAACCGTTTCCTAC	365
	2	CGTCCTGAATTCTTAGTATGCATATTCATTAG	
<i>scn</i>	1	AGCACAAGCTTGCCAACATCG	259
	2	TTAATATTTACTTTTTAGTGC	
ϕ 3 int	1	TCCGGCTTCTTTGAAAATGT	220-323
	2	CCGGAAAACCTACGAAGTCA	
ϕ 6 int	1	CCT TGA ATT GAT GGC GAT TT	202
	2	TTG CTG GGG CTG TAG AAG TT	
ϕ 7 int	1	TTCTGGCGCTTCCTTTAAT	509
	2	AACACAGTCAAGCATAACGCCT	
<i>rep7</i>	1	GCACTGCGGATAGAGCAATA	168
	2	GCAATTGTTTTTCGTTTCGCT	
<i>rep27</i>	1	TTCGGTTGGATCAATTTCTTT	619
	2	TTTTGTCCTGTCTGTGCTTGG	
<i>cadDX</i>	1	TGATGTGATCTGTGTACATGAGGA	207
	2	TGATGTGAAGTTGAAGCAACA	

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4 Numbers 1 and 2 are forward and backward primer respectively. Base pair product size on the

5 right of the table. Primers for *chp* and *scn* obtained from W. van Wamel. Primers for ϕ 6 int, ϕ 7

- 6 *int*, *rep7* and *rep27* from J. Lindsey and A. McCarthy. Primers for $\phi 3$ *int* and *cadDX* were made
- 7 with primer3 software (<http://frodo.wi.mit.edu/>).