

Primer designation	Sequence
1: SIp cDNA fw 1	GAAGACGATGTTGAGGAGGGG
2: SIp cDNA rev 1	TCGTCGTTATGGACATCCTCT
3: SIp cDNA fw 2	AGGTGAAAGTATAAGCGGTCAGG
4: SIp cDNA rev 2	CCCCTCCTCAACATCGTCTT
5: Serine tRNA ligase fw	AAGTAGCAGGTCATCGTGGTT
6: Serine tRNA ligase rev	TTCGGCACATTCTTCCATAA
7: gDNA 5' integration fw	CACCACATCTTCATAACTCTTCAGG
8: gDNA 5' integration rev	GCATCACCTTCACCCTCTCC
9: gDNA 3' int fw	GAGCGGATAACAATTTAC
10: gDNA 3' int rev	CAAAACATGTTTACATTATTGACAAGG
7: gDNA original locus fw	CACCACATCTTCATAACTCTTCAGG
10: gDNA original locus rev	CAAAACATGTTTACATTATTGACAAGG

S2 Table. List of primers used in this study.