

Additional file 3 – Primers used throughout this study

Primer name	Primer sequence	Primer usage
xpp1-5fwd-NotI	AGAGCGGCCCGCCGAGGTGGAAAAGGGTCATC	Plasmid construction
xpp1-5rev	CAGACGGAGGAGGAAGAGC	
xpp1-3fwd	ACAAGGATATCATGACGGAGC	
xpp1-3rev-NotI	AACGCGGCCGCTTCTCTTCCCGTCCCTCG	
Ppki_5fwd	AGATAACGGTGAGACTAGCGGC	
Tcbh2_rev-BclI	ACTAGTGCTATTAACGTTTGGAAAGCCATC	
xpp1_fwd-XbaI	CACTCTAGACGCATGGCACAAGCC	
xpp1_rev-NsiI	CACATGCATCAACAGAATCCTCTCGGG	
xpp1-5fwd2	ACACTGGCCCAGAGAACTATCC	Genomic characterization
Ppki_5rev	CAGCAGCCACGACAAAGC	
RG127	GTTCCGATATATGAGATTGCCAAG	<i>in vivo</i> footprint
RG128	GTTGATGTCTTCTTGCTTCAGC	
RG129	AGCCGTTATTCAGACAATGTATGTGCCG	
RG130	GGAGTTGTTGTGTCTTTTGGGCTTGG	
RG131	[FAM]- CCGTTATTCAGACAATGTATGTGCCGGGC	
RG132	[FAM]- GTTGTTGTGTCTTTTGGGCTTGGAGGGG	
xpp1_q2f	ATAAAGGTCGAGTCGCCGC	qPCR assays
xpp1_q2r	TGGAAGCTCTTGGCTGGTTG	
taqxyn2f	GGTCCAACCTCGGGCAACTTT	
taqxyn2r	CCGAGAAGTTGATGACCTTGTTT	
xyl1-fwd	CTGTGACTATGGCAACGAAAAGGAG	
xyl1-rev	CACAGCTTGGACACGATGAAGAG	
cbh1f	GATGATGACTACGCCAACATGCTG	
cbh1r	ACGGCACCGGGTGTGG	
cbh2f	CTATGCCGGACAGTTTGTGGTG	
cbh2r	GTCAGGCTCAATAACCAGGAGG	
egl1f	CTGCAACGAGATGGATATCCTGG	
egl1r	GTAGTAGCTTTTGTAGCCGCTGC	
act1f	TGAGAGCGGTGGTATCCACG	
act1r	GGTACCACCAGACATGACAATGTTG	
sar1fw	TGGATCGTCAACTGGTTCTACGA	
sar1rv	GCATGTGTAGCAACGTGGTCTTT	