

Table S2 Primers used to generate donor homology arms

Name	Sequence	Donor
SH3PX1 5' Arm AarI F	GGTACACCTGCGCAGTCGCTATGGTAATTAGGACGTGACG	DsRed-attP
SH3PX1 5' Arm AarI R	GGACCACCTGCCCTCCTACCAGAGGCACTCTCTAATTTGATAAAT	DsRed-attP
SH3PX1 3' Arm SapI F	GAGTGCTCTTCTTATCACCGGGCACACACTTCCACAC	DsRed-attP
SH3PX1 3' Arm SapI R	GGCTGCTCTTCGGACTGGTAAACACAAGCAGAGAGC	DsRed-attP
SH3PX1 5' Arm F SpeI	GGACTAGTGTTCAACAACGACTCTTATTGATCG	DsRed-FRT
SH3PX1 5' Arm R XbaI	TTTCTAGAGAATAGGAACTTCAGAGGCACTCTCTAATTTGA	DsRed-FRT
SH3PX1 3' F Arm XbaI	TCTCTAGAAAGTATAGGAACTTCTCCAAGGTAGAAATTCAGGT	DsRed-FRT
SH3PX1 3' Arm R HindIII	CCAAGCTTCTTATAGAGACGTCAACCCACCTGT	DsRed-FRT
3xP3 DsRed NgoMIV F	ATTGCCGGCGAATTCGAGCTCGCCGGGGA	DsRed-FRT
3xP3 DsRed NgoMIV R	GGCCGGCGAAGTTCCTATACTTTCTAGAG	DsRed-FRT

Primers used to generate dsDNA donors used in this study. DSH3PX1-specific sequences are underlined and incorporated enzyme sites are noted in primer names.