

Table S1

PRIMER NAME	SEQUENCE (5'-3')
ARG4INTF2	AAGCTAGTGTGGAAAGAAGAG
ARG4INTR2	AATGACTGAATTATGTCGGTC
HIS1INTF2	ACTGTATCCTCTTCTGTCCCC
HIS1INTR2	CGACCATATGGGAGAGCTCCC
LUXINTDEF	CTGACCTTTAGTCTTTCCTGC
LUXINTDETR	CAGTAGTACTTGTTGTTGTATCG
PMC1AMPF-KpnI	TCAG <u>GGTACC</u> GGTTCAATAAATTCCAATAGC
PMC1AMPR-SacI	TCAG <u>GAGCTC</u> CATAACTACTATTACTTATTACTGG
PMC1DEF	CGGAAACAGTATTTTGGTATC
PMC1DETR	CACGTTTACATTGTAATACGGC
PMC1DISF	CCTTTCCAAAGCAAAGCAAATTTTGAGTTCATATATACAAA TAAACATTACTTATCCTCATATTTT <i>GTGGAATTGTGAGCG GATA</i>
PMC1DISR	CCACTTTTAATCTATTCCTTTGATTCTTTTAAATCGGAATTAC CACCACCTTCTAAATCCATTCATCATGTTTTCCAGTCACGAC GTT
VCX1AMPF-KpnI	TCAG <u>GGTACC</u> CATCTTGATCTCCATAGGACC
VCX1AMPR-SacI	TCAG <u>GAGCTC</u> CTGTTGATCACTGACCAGTTGC
VCX1DEF	CTGGGGAATTAGAATGGAGTGC
VCX1DETR	CAACAATCTCATCAATTGATCC
VCX1DISF	ACTTTTCTATTATTCTACCTTGAATTCAAAGAATCCAAATTA ACAACAATAAAAACAACCAACAGAGAT <i>GTGGAATTGTGAGC GGATA</i>
VCX1DISR	TACTCCTTTTTCAGCAAATATTCTATCATCTTCTCTTTCTTCT CTTTCTTATCATCATGATAGTTGAATGTTTTCCAGTCACGAC TT

* Engineered restriction enzyme sites are highlighted in bold text and underlined. In italics, regions of homology for amplification of deletion cassettes.