

**Table S3 Primer sequences (5' to 3')**

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Primers for site directed mutagenesis	
E249A	CAATATTGTAGAACATGCGTACTTTGTTGAG CTCAACAAAGTACGCATGTTCTACAATATTG
D301A	CTCGCTTCAGTACAACACTATGGCTATGTGGACA ACTGAACATCTTTTAGTTTTCCATACTTTTCTTTTC
E336A	GCTTTTTTCATGTTGCAGGGCGCCACTGG CCAGTGTGGCGCCCTGCAACATGAAAAAAGC
D367A	TGCCTTGTCTTTGGCTAATGCTAGTGC AACAAATTTTTCTCAATGTTCCACTTAACCA
D459A	GGGATCTCATATGCTGTCTCAACTAGATGG CCATCTAGTTGAGACAGCATATGAGATCCC
D545A	GGATTTGATTGCCCAATGGTGTGTTT GAACACACCATTGGGCAATCAAATCC
E719A	CTGTTGCTTCTGCGTCTGCGTTCAGTGC GCACTGAACGCAGACGCAGAAGCAACAG

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Splinkerette-PCR gene specific primers	
primary PCR <i>Ds</i> 5' end	GGATAAAACTAACAAAATCGGTTATACG
primary PCR <i>Ds</i> 3' end	CCGTATTTATCCCGTTGTTTTGTTA
secondary PCR <i>Ds</i> 5' end	CGATAACGGTCGGTACGGGATTTTC
secondary PCR <i>Ds</i> 3' end	CCCGTTTTGTTTCCGTCCCGCAAG

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Primers for amplification of empty <i>Ds</i> donor sites in <i>Arabidopsis</i>	
P1	GGAAGTTCATTTCAATTTGGAG
P2	TCGCCCTCGCCCTCGCCGGAC
P3	GATCTCGGTGACGGGCAGGAC

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