

S1 Table.

Name of the final plasmid	Name of the original plasmid	Primer orientation	Primer sequence (5' – 3' orientation)
<i>pGreenI 0029 FPA R477A</i>	<i>pGreenI 0029 FPA</i>	sense	CTGAGGTCGTC AATTGTT CAGCA GCGACTGATTTGAATATGCTCGCT
		antisense	AGCGAGCATATTCAAATCAGTCG CTGCTGAACAATTGACGACCTCA G
<i>pGreenI 0029 FPA Y515A</i>	<i>pGreenI 0029 FPA</i>	sense	TCTTACACTGAATTTCTCCGGGCG CTTAGCTCAAAGATCGGGCG
		antisense	CGCCCGATCTTTTGAGCTAAGCGC CCGGAGAAATTCAGTGTAAGA
<i>pGreenI 0029 FPA R477A Y515A</i>	<i>pGreenI 0029 FPA Y515A</i>	sense	CTGAGGTCGTC AATTGTT CAGCA GCGACTGATTTGAATATGCTCGCT
		antisense	AGCGAGCATATTCAAATCAGTCG CTGCTGAACAATTGACGACCTCA G

Primers were used to generate a range of pGreen I 0029 vectors with mutated *FPA* genomic sequence. Name of the final clone and the vector used in the mutagenesis reaction as well as sequence of sense and antisense primers are included.