

Supplemental Table 3. List of mutations identified in E99 and E125 M₄ FN plant lines.

FN Line	Variant type	Chromosome	Variant start position	SBS category	INDEL size (bp)	Nucleotide/s inserted or deleted	Variant position and flanking sequences; substitution (␣) or INDEL (*)	Functional context	Notes	Zygosity	Dipyrimidine sequence (Y/N)	Dipyrimidine sequence
E99	SBS	Chr3	Chr3:3225552	A:T→G:C			TTCTTCATCA␣GTCCATCAAA	Exon	Non-synonymous	Homozygous	Y	<u>TT</u> *
E99	SBS	Chr4	Chr4:16001553	G:C→A:T			TCCAGCAATC␣CTCGTGAAGC	Exon	Non-synonymous	Homozygous	Y	<u>CC</u>
E99	Insertion	Chr5	Chr5:1380260		2	TT	GGTACGTTTC*TTTGCTTCA	Intron		Homozygous		
E125	SBS	Chr1	Chr1:14141947	G:C→A:T			AAGAGATCCA␣TTTGCGGGAT	TE		Homozygous	N	
E125	SBS	Chr3	Chr3:11164302	G:C→A:T			AGCATTGTAAC␣AGTACTTGGC	Exon	Non-synonymous	Homozygous	N	
E125	SBS	Chr4	Chr4:3347716	G:C→A:T			ATGTTCCCTC␣TCTGGTCTAG	Intergenic		Homozygous	Y	<u>TC</u>
E125	Deletion	Chr1	Chr1:30190588		3	CTC	GATACTGCCA*TCAAACCCTC	Exon		Homozygous		

(Dipyrimidine analyses: * = on reverse strand)