

Line	M ₃ homozygous mutations observed	M ₃ heterozygous mutations predicted	M ₄ homozygous mutations observed	M ₄ homozygous mutations predicted
E99	21	14	3	3.5
E125	32	21.3	4	5.3
Total	53	35.3	7	8.8

Supplemental Table 4. The predicted and observed numbers of mutations identified in two FN mutagenized M₃ and M₄ *Arabidopsis* lines. The numbers of observed homozygous mutations identified in E99 and E125 M₃ (see Table 1) sequencing datasets are shown in the second column. Based on these numbers the predicted Mendelian number (two thirds; see Supplemental Figure 1) of heterozygous mutations in the E99 and E125 M₃ FN lines are shown in the third column. The numbers of novel homozygous mutations observed in E99 and E125 M₄ genome sequencing datasets (see Supplemental Table 3) are shown in the fourth column and almost match the total predicted Mendelian number (a quarter of the predicted M₃ heterozygous mutations; column 3) of M₄ homozygous mutations (fifth column; see Supplemental Figure 1).