

GAI sgRNA1 site

Mutation detected from 17 out of 53 sequenced clones

Plant ID	AGAAGACGACGGTAACGGCATGGATGAGCTTCTAGCTGTTCTTGGTTACA	WT
1	AGAAGACGACGGTAACGGCATGGATGAGCTTCTAGC---TCTTGGTTACA	D3 (×8)
2	AGAAGACGACGGTAACGGCATGGATGAGCTTCTAGCTG---TTGGTTACA AGAAGACGACGGTAACGGCATGGATGAGCTTCTAGCTGTCCTTGGTTACA	D3 (×2) +1 (×2)
3	AGAAGACGACGGTAACGGCATGGATGAGCTTCTAGCTG-TCTTGGTTACA	D1 (×5)

Supplementary information, Figure S6 Targeted indel mutations induced by engineered sgRNA:Cas9 at the *GAI* gene sgRNA1 site in *Arabidopsis*.

Alleles shown were amplified from genomic DNA isolated from 3 independent T1 transgenic plants separately and sequenced after cloned into vectors. The wild type sequence is shown at the top with the PAM sequence highlighted in magenta and the target sequence in cyan. Red dashes, deleted bases; red bases, insertions or mutations. The net change in length is to the right of each sequence (+, insertion; D, deletion). The number of clones representing each mutant allele is shown in brackets.