

JAZ1 sgRNA1 site

Mutation detected from 33 out of 89 sequenced clones

Plant ID	GAAGCTCTTCTAGCAATAGGAAGTTCTGT-----CAATGGTGTG	WT
1	GAAGCTCTTCTAGCAATAGGAAGTTCTGC-----CAATGGTGTG	D1, +1
2	GAAGCTCTTCTAGCAATAGGAAGTTCT-T-----CAATGGTGTG	D1
	GAAGCTCTTCTAGCAATAGGAAGTTCTG-----CAATGGTGTG	D51 (×3)
	GAAGCTCTTCTAGCAATAGGAAGTTCTGT-----CAATGGTGTG	+1
3	GAAGCTCTTCTAG-----CAATGGTGTG	D16 (×2)
	GAAGCTCTTCTAGCAATAGGAAGTTCTGT-----CAATGGTGTG	+1 (×2)
4	GAAGCTCTTCTAGCAATAGGAAGTTCTGT-----CAATGGTGTG	+1
	GAAGCTCTTCTAGCAATAGGAAGTTCTCCC-----CAATGGTGTG	D6, +5
	GAAGCTCTTCTAGCAATAGGAAGTTCT-T-----CAATGGTGTG	D1
	GAAGCTCTTCTAGCAATAGGAAGTTCTGT-----AATGGTGTG	D1
	GAAGCTCTTCTAGCAAT-----GGTGTG	D16 (×2)
	GAAGCTCTTCTAGCAATAGGAAGTTCT-----GTGTG	D7
	GAAGCTCTTCTAGCAATAGGAAGTTCT-T-----CAATGGTGTG	D1
	GAAGCTCTTCTAGCAATAGGAAGTTCTGT-----GTG	D7, +1
	ATAGAACCTTTGACGTAA-----CAATGGTGTG	D29, +18
	GAAGCTCTTCTAGCAATAGGAAGTTCTGTTAACTATTAGC-----GGTGCTG	D4, +11
GAAGCTCTTCTAGCAATAGGAAGTTCT-----CAATGGTGTG	D2	
5	GAAGCTCTTCTAGCAATA-----CAATGGTGTG	D11 (×3)
	GAAGCTCTTCTA-----D84	D84
	GAAGCTCTTCTAGCAATAGGAAGTT-----CAATGGTGTG	D4
	GAAGCTCTTCTAGCAATAGGAAGTTCTGT-----D22	D22
	GAAGCTCTTCTAGCAATAGGA-----D53	D53
	GAAGCTCTTCTAGCAATAGGAAGTTCTGT-----CAATGGTGTG	+1 (×2)
	GAAGCTCTTCTAG-----CAATGGTGTG	D16
	GAAGCTCTTCTAGCAATAGGAAGTTCTGTGAGGTGCAAGCTCTTTCATTAATCCAATCCAATGGTGTG	+29

Supplementary information, Figure S7 Targeted indel mutations induced by engineered sgRNA:Cas9 at the *JAZ1* gene sgRNA1 site in *Arabidopsis*.

Alleles shown were amplified from genomic DNA isolated from 5 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.