

Additional file 7 Codon changes in regenerated plants after base editing of *orf125* with TALECD1 (**A**. D1) and TALECD2 (**B**. D2) pairs. Modified C/Gs in the coding strand are numbered from the 5’ start of the spacing window.

A. Site 1 (D1)

	Locus (SH9B)	
Plant	5'-(AAG)G₅(ATA)-3'^{a,b}	5'-(ATT)C₁₁(AAC)-3'
D1-5	GAT→AAT	CAA→C/TAA ^c
D1-20	- ^d	-
D1-28	GAT→AAT	CAA→C/TAA
D1-36	-	-
D1-48	GAT→AAT	CAA→C/TAA
D1-51	GAT→AAT	-
D1-54	GAT→AAT	CAA→C/TAA
D1-57	GAT→AAT	CAA→C/TAA
D1-61	GAT→AAT	CAA→C/TAA
D1-68	GAT→AAT	CAA→C/TAA
D1-69	GAT→AAT	CAA→C/TAA
D1-70	GAT→AAT	-
D1-71	-	-
D1-84	GAT→AAT	CAA→TAA
D1-85	GAT→AAT	-
D1-90	GAT→AAT	CAA→C/TAA
D1-93	GAT→AAT	CAA→C/TAA
D1-94	-	-
D1-98	-	-
D1-103	GAT→AAT	CAA→C/TAA
D1-113	GAT→G/AAT	-

B. Site 2 (D2)

	Locus (SH9B)				
Plant	5'-(CAC)G₂(AGG)-3'^b	5'-(CGA)G₄(GGC)-3'^b	5'-(GAG)G₅(GCT)-3'^b	5'-(GCT)C₉(TCA)-3'	5'-(TCT)C₁₁(AAG)-3'
D2-1	-	-	-	-	-
D2-3	-	-	-	-	-
D2-9	-	-	-	-	-
D2-13	-	-	-	-	-
D2-16	-	-	-	-	-
D2-17	-	-	-	-	-
D2-18	-	-	-	-	-
D2-19	GAG→G/AAG	GAG→GAG/A	GGC→G/AGC	TCT→TC/TT	CAA→TAA
D2-20	GAG→G/AAG	-	-	TCT→TC/TT	CAA→TAA
D2-21	-	-	-	-	-
D2-22	GAG→G/AAG	GAG→GAG/A	GGC→G/AGC	TCT→TC/TT	CAA→TAA
D2-23	-	-	-	-	CAA→TAA
D2-24	GAG→G/AAG	GAG→GAG/A	GGC→G/AGC	TCT→TC/TT	CAA→TAA
D2-25	GAG→AAG	GAG→AAG/A	GGC→G/AGC	TCT→TC/TT	CAA→TAA
D2-27	-	-	-	-	CAA→C/TAA
D2-29	-	-	-	TCT→TC/TT	CAA→TAA
D2-32	-	-	-	-	CAA→C/TAA
D2-33	-	-	-	-	-
D2-34	-	-	-	-	CAA→TAA
D2-37	-	-	-	-	-
D2-38	-	-	-	-	-
D2-39	-	-	-	-	-

^a The number (subscript) indicates the position of Cs or Gs in the 15 bp window between the two TALEs

^b Complementary strand

^c Heteroplasmic base change

^d No base change