

Table S1. Primer sequences used in the present study.

Primer Name	Primer Sequence	Purpose
Primer1	ATTCATAACAAAGCAAACGAG	To amplify the region spanning the target site <i>GmFT2a</i> -D1
Primer2	ACTTGACCTTCCCTTAAACAC	
Primer3	TTGATCCCGATGCACCTAGC	
Primer4	CTAGCAAGCAAACATTGTGCG	To amplify the region spanning the target site <i>GmFT2a</i> -D2
Primer5	TGAGCGTCAAAGTAGATCAAG	To amplify the region spanning the target site <i>GmFT2a</i> -D3
Primer6	CTTGCTGCTACCAACTGAGC	
Primer7	ATCGACCGATCGAGGACAAC	
Primer8	TGGGAGACTACAGAAGCAAAGA	To amplify the region spanning the target site <i>GmFT5a</i> -D1
Primer9	ACCACAAATGCAAGCTTTGGTAA	To amplify the region spanning the target site <i>GmFT5a</i> -D2
Primer10	TCAGCTGGAGTAAGGCATCCA	
Primer11	ACCCGTCAAGATCTCTTTATT	
Primer12	ACGAGTTTAGGAATCAGTGTTCA	To detect large fragment deletions between the target sites <i>GmFT2a</i> -D1 and <i>GmFT2a</i> -D2
Primer13	TCAAACACAATGGAATCGAGGC	To detect large fragment deletions between the target sites <i>GmFT2a</i> -D1 and <i>GmFT2a</i> -D3
Primer14	CACCCACACAAATCCGAAAGT	
Primer15	GGAGAAAAGAAAACATTCATCG	
Primer16	CTCTAAAGTATCAGCTGGAGTAAGG	To detect large fragment deletions between the target sites <i>GmFT5a</i> -D1 and <i>GmFT5a</i> -D2
<i>GmActin</i> -F	CGGTGGTTCTATCTTGGCATC	To amplify <i>GmActin</i> as a normalization control.
<i>GmActin</i> -R	GTCTTTCGCTTCAATAACCCTA	
Cas9-F	TTGGGGCTCACACCAAACCTT	To amplify part of the Cas9 coding sequence
Cas9-R	CGATCGCCTTCTTTTGCTCG	