

Supplemental Table S4. Detection of mutations on putative off-target sites.

Target	Putative off-target gene	Sequence of the putative off-target site	Primer	Sequence (5'-3')
SINAC4 -T2	Solyc06g060230	GAGCTGCTGGAA CTGGATATTGG	For	TGAAGAACTTGTGACGCATTAT
			Rev	ACATAGAACCCAATCGTCCAG
			Seq-F	ATTCAGATGGATCTAAATTTTTTTG
	Solyc12g015960	GAGGTGCAGGA AGTGGTTACAGG	For	GGAAAGTTGCCAAGAATG
			Rev	TTGGGACTCACATTTAGAAGAC
			Seq-F	GCAAAGGACCAAATCATAACAA
SINAC4 -T3	Solyc06g060230	TGCTGGAACTGG ATATTGGAAGG	For	CGGTCATAGGCCAAATCGTG
			Rev	CCAACCTCGTCTTCTTGCTCC
			Seq-R	CTGCGAGACTCATTTACCT
	Solyc10g083450	TGCGGGAAGAG GTTATTGGAAGG	For	
			Rev	
			Seq-F	
SINAC4 -T4	Solyc09g089690	TTCCGCAAGAAA GGCTTCGATGG	For	GGTTAGCGTTCGTTTCCT
			Rev	TTAGGACGGGATCTTGTA
			Seq-F	ATTGGTGGTGGCGAGATG
	Solyc11g065160	GTACGCAAGAAA AGCTCGGAAGG	For	AAGAACCGTGGAGCAACT
			Rev	GATGTTTCCCGACAGTTA
			Seq-F	TTCAGGGTCCAGATGATACAG

a, mismatching bases are marked in red.