

Additional file 11. Sequences of the probes used in EMSA.

Gene	ITAG Gene ID ^a	SGN unigene ^b	Probes	Sequence (5'–3') ^c
<i>PSMD2</i>	Solyc07g053650	SGN-U569045	PSMD2-wt	TTTTGTTA CTAATTTTTG AGGGATAT
			PSMD2-mt1	TTTTGTTA ATAATTTTT AGGGATAT
			PSMD2-mt2	TTTTGTTA CTACTTG AGGGATAT
<i>SIUBC6</i>	Solyc02g083570	SGN-U565334	SIUBC6-wt	TATTCAC CAAAAAAATG GAGTGAAA
			SIUBC6-mt1	TATTCAC AAAAAAAT GAGTGAAA
			SIUBC6-mt2	TATTCAC CAACAAGATG GAGTGAAA
<i>SIUBC8</i>	Solyc02g085690	—	SIUBC8-wt	TTTAACT CAATAATTTG ACGAAAAG
			SIUBC8-mt1	TTTAACT AAATAATTT ACGAAAAG
			SIUBC8-mt2	TTTAACT CAACAAGTTG ACGAAAAG
<i>SIUBC24</i>	Solyc06g007510	SGN-U578218	SIUBC24-wt	TATATTAA CAATTAATTG TTTTTGGG
			SIUBC24-mt1	TATATTAA AATTAATTT TTTTTGGG
			SIUBC24-mt2	TATATTAA CAACTAGTTG TTTTTGGG
<i>SIUBC32</i>	Solyc07g062570	SGN-U576994	SIUBC32-wt	AAAGTAA CAAAAAATAG TTACGAAG
			SIUBC32-mt1	AAAGTAA AAAAAATAT TTACGAAG
			SIUBC32-mt2	AAAGTAA CAACAAGTAG TTACGAAG
<i>SIUBC41</i>	Solyc10g012240	—	SIUBC41-wt	AGACAAA CAAAAAAAG TAATATTT
			SIUBC41-mt1	AGACAAA AAAAAAAT TAATATTT
			SIUBC41-mt2	AGACAAA CAACAAGAAG TAATATTT
<i>SIUBC42</i>	Solyc10g012270	—	SIUBC42-wt	TTGTGGAA CTAAAATATG TAGATTAT
			SIUBC42-mt1	TTGTGGAA ATAAAATAT TAGATTAT
			SIUBC42-mt2	TTGTGGAA CTACAAGATG TAGATTAT

^aITAG, the International Tomato Annotation Group release version 2.3.

^bSGN identification number of the best BLAST hit in the Sol Genomics Network (SGN) tomato unigene database (<http://solgenomics.net>).

^cThe CArG-box elements were marked in red. The mutated bases in the probes are represented by blue letters. wt, probe with intact CArG box element; mt, probe with mutated CArG box element.