Appendix A. Identity/similarity matrix of the eleven *MdSUS* nucleotide/amino acid sequences

Score of identity for nucleotide sequences	Score of similarity for amino acid sequences										
	MdSUS1.1	*MdSUS1.2*	*MdSUS1.3*	*MdSUS1.4*	*MdSUS2.1*	*MdSUS2.2*	*MdSUS2.3*	*MdSUS3.1*	*MdSUS3.2*	*MdSUS3.3*	*MdSUS3.4*
MdSUS1.1	100.00	95.77	95.53	91.69	67.20	69.72	67.13	54.25	53.92	56.11	52.54
MdSUS1.2	99.21	100.00	92.53	89.05	64.63	65.98	64.52	52.10	51.90	53.99	50.59
MdSUS1.3	96.12	96.11	100.00	92.43	67.70	69.53	67.25	54.37	53.42	55.82	52.28
MdSUS1.4	92.32	92.34	92.66	100.00	54.52	71.78	68.93	54.68	54.24	56.88	52.99
MdSUS2.1	66.42	66.54	66.38	66.42	100.00	77.24	76.75	54.52	55.08	56.78	53.62
MdSUS2.2	70.02	70.29	67.63	69.90	74.98	100.00	96.83	64.68	65.07	64.49	63.88
MdSUS2.3	67.97	68.18	69.40	68.01	75.09	98.20	100.00	54.72	54.52	57.34	53.94
MdSUS3.1	59.25	59.40	59.21	59.81	58.59	65.01	59.92	100.00	71.15	69.93	70.76
MdSUS3.2	59.51	59.58	59.35	59.65	60.70	67.11	60.84	73.06	100.00	91.10	91.36
MdSUS3.3	60.00	60.03	60.10	60.20	60.88	66.16	61.33	71.60	91.38	100.00	93.46
MdSUS3.4	58.77	58.80	58.91	58.87	59.52	66.60	60.23	72.31	91.77	96.67	100.00

Appendix B. Primers of genes for qRT-PCR in apple.

Gene	Forward (5′-3′)	Reverse (5′-3′)
MdActin	AACAATGCTAGGGAACACGGCTCT	ACAGGAAGTAGAAGATGGCGGACA
MdSUSY1.1/1.2	AGAAGATGTACGAGCTGATTGAC	GTCATGGCCTCAATGACTGTCAAG
MdSUSY1.3	GAAAATGTATGAGGTGATCGACAC	TCATGGCCTCAATGACAGTCAGGC
MdSUSY1.4	CTCAAGCGTGTTAAGCAACAG	CTGAATGGAACACGAAGAATATC
MdSUSY2.1	TTATGGTTTCTGGAAGTATGTGTC	GTCGATGGCTTCAGGAACAGATT
MdSUSY2.2/2.3	TGTGGTTGGTGGTTACATGGATG	GCTGCTATCCATCGGAACTGAC
MdSUSY3.1	ACGCAGATGATCTAACAGTGGATG	TCATTCGAGGAGTAGAGAAGTCG
MdSUSY3.2	TCTCAATTGAGGGCATCACTGTC	GCATTGTGCTCATCCATTGCACC
MdSUSY3.3	CATGCCAATTTCTTGCTGACAC	CTTTCGTATTGTCCTGGTCTGTC
MdSUSY3.4	TGAGTGAAATGGAGACAGTCATAG	CTGAGTTGAACACAATATATAGCC