Table 1 Suppl. 5'-RACE primer sequences.

Primer name	Sequence (5'-3')	Primer description
AsAGAMOUS-5GSP1	CAATATTATCAGCAAGAG	AsAGAMOUS specific amplification
AsAGAMOUS-3GSP1	CCTGTGCACGCTCATTTTC	AsAGAMOUS specific amplification
AsAGAMOUS-5NGSP1	GCCTCTATGAGTATTCTAA	5' nested primer for AsAGAMOUS
AsAGAMOUS-ORF-up	ATGGGGAGGGGAAAGATCG	AsAGAMOUS ORF amplification
AsAGAMOUS-ORF-dn	TTACCCAAGATGAAGGGCCG	AsAGAMOUS ORF amplification
AsAGL12-5GSP1	GAATTACTTCAGAAAGGA	AsAGL12 specific amplification
AsAGL12-3GSP1	GAGGAACTCATTTGCTG	AsAGL12 specific amplification
AsAGL12-5NGSP1	CTCCACTCACGGCAAACT	5' nested primer for AsAGL12
AsAGL12-ORF-up	ATGGCAAGAGGTAAGATTCA	AsAGL12 ORF amplification
AsAGL12-ORF-dn	CTAAAATTGAAATATTTCAT	AsAGL12 ORF amplification
AsAGL15-5GSP1	GAATCAGGTGTATGTTTGG	AsAGL15 specific amplification
AsAGL15-3GSP1	CATCCCTCCTATCATTGGAG	AsAGL15 specific amplification
AsAGL15-5NGSP1	CCACTAATGGGACCATGGA	5' nested primer for AsAGL15
AsAGL15-ORF-up	ATGGCAAGAGGTAAGATTC	AsAGL15 ORF amplification
AsAGL15-ORF-dn	GAAATATTTCAATTTTAG	AsAGL15 ORF amplification
AsAGL67-5GSP1	CAGATGTATTTAGAATC	AsAGL67 specific amplification
AsAGL67-3GSP1	CCGCGGATCCACTTTCAGG	AsAGL67 specific amplification
AsAGL67-5NGSP1	CTGAAGAAACTCAAGTGCGA	5' nested primer for AsAGL67
AsAGL67-ORF-up	ATGGGTCGGGTGAAACTAC	AsAGL67 ORF amplification
AsAGL67-ORF-dn	TCACTCCACGTTCAGCTC	AsAGL67 ORF amplification
AsAGL80-5GSP1	GAGTTGTCATGGTTGATGG	AsAGL80 specific amplification
AsAGL80-3GSP1	ACCATTGCTGCCTCTGTAG	AsAGL80 specific amplification
AsAGL80-5NGSP1	GGGTTCCTCAGGCAAAGGC	5' nested primer for AsAGL80
AsAGL80-ORF-up	ATGGCACGTAAGAAGGTGA	AsAGL80ORF amplification
AsAGL80-ORF-dn	CTAAGGGAAGCAAGCATC	AsAGL80 ORF amplification
AsSEP1-5GSP1	CGAGGTTCTTCAACGTTC	AsSEP1specific amplification
AsSEP1-3GSP1	TTGTGCTCCCGTCTCCCAAG	AsSEP1 specific amplification
AsSEP1-5NGSP1	GCATGCTCAAGACACTGGA	5' nested primer for AsSEP1
AsSEP1-ORF-up	ATGGGAAGAGGGAGAGTAG	AsSEP1 ORF amplification
AsSEP1-ORF-dn	TCACACCATCCACCCTGGA	AsSEP1 ORF amplification
AsSEP3-5GSP1	GACAAATAAGATCGACTCGC	AsSEP3 specific amplification
AsSEP3-3GSP1	TGCACTGCTCATTGCTGC	AsSEP3 specific amplification
AsSEP3-5NGSP1	GAGGTACCAAAAATGCAAC	5' nested primer for AsSEP3
AsSEP3-ORF-up	ATGGGGAGAGGAAGAGTAG	AsSEP3 ORF amplification
AsSEP3-ORF-dn	TCATGCTGGCCATCCCGGC	AsSEP3 ORF amplification
3'-CDS Primier	AAGCAGTGGTATCAACGCAGAGTAC(T)30VN	3'-CDS primier
5'-CDS Primier	(T)25VN ()	5'-CDS primier
BD SMART IITM	AAGCAGTGGTATCAACGCAGAGTACGCGGG	BD SMART IITM

Table 2 Suppl. Accession numbers for MADS-box genes in *Arabidopsis.*

Genes	Accession Nos. (*TIAR*)	Accession Nos. (*NCBI*)
PISTILLATA	At5g20240	NM_122031
APETALA3	At3g54340	NM_115294
AGAMOUS	At4g18960	NM_118013
AGL1=SHP1	At3g58780	NM_115740
AGL2=SEP1	At5g15800	NM_121585
AGL3	At2g03710	NM_201682
AGL4=SEP2	At3g02310	NM_111098
AGL5=SHP2	At2g42830	NM_180046
AGL6	At2g45650	NM_130127
AGL7=AP1	At1g69120	NM_105581
AGL8=FUL	At5g60910	NM_125484
AGL9=SEP3	At1g24260	NM_102272
AGL10=CAL	At1g26310	NM_102395
AGL11	At4g09960	NM_117064
AGL12	At1g71692	NM_105825
AGL13	At3g61120	NM_115976
AGL14	At4g11880	NM_117258
AGL15	At5g13790	NM_121382
AGL16	At3g57230	NM_115583
AGL17	At2g22630	NM_127828
AGL18	At3g57390	NM_115599
AGL19	At4g22950	NM_118424
AGL20=SOC1	At2g45660	NM_130128
AGL21	At4g37940	NM_119955
AGL22=SVP	At2g22540	NM_127820
AGL23	At1g65360	NM_105210
AGL24	At4g24540	NM_118587
AGL25=FLC	At5g10140	NM_121052
AGL26	At5g26870	BT004581
AGL27=FLM	At1g77080	NM_202431
AGL28	At1g01530	NM_105210
AGL29	At2g34440	NM_128996
AGL30	At2g03060	NM_126358
AGL31	At5g65050	NM_125904
AGL32=TT16	At5g23260	NM_122232
AGL33	At2g26320	NM_128189
AGL34	At5g26575	CW836839
AGL35	At5g26625	BH613122
AGL36	At5g26645	AY141247
AGL37	At1g65330	NM_105207
AGL38	At1g65300	NM_105204
AGL39	At5g27130	NM_122595
AGL40	At4g36590	NM_119822
AGL41	At2g26880	NM_128245
AGL42	At5g62165	NM_125610
AGL43	At5g40220	NM_123386
AGL44=ANR1	At2g14210	NM_126990
AGL45	At3g05860	NM_202503
AGL46	At2g28700	NM_128431
AGL47	At5g55690	NM_124951
AGL48	At2g40210	NM_129579
AGL49	At1g60040	NM_104696
AGL50	At1g59810	NM_104674
AGL51	At4g02240	AY141215
AGL52	At4g11250	NM_117196
AGL53	At5g27070	NM_122589
AGL54	At5g27090	NM_122591

AGL55	At1g60920	NM_104772
AGL56	At1g60880	NM_104769
AGL57	At3g04100	NM_111281
AGL58	At1g28450	NM_102613
AGL59	At1g28460	NM_102614
AGL60	At1g72350	NM_105894
AGL61	At2g24840	NM_179727
AGL62	At5g60440	NM_125437
AGL63	At1g31140	NM_102852
AGL64	At1g29960	NM_102736
AGL65	At1g18750	NM_101733
AGL66	At1g77980	NM_106447
AGL67	At1g77950	NM_106444
AGL68	At5g65080	NM_125907
AGL69	At5g65070	NM_125906
AGL70	At5g65060	NM_125905
AGL71	At5g51870	NM_203195
AGL72	At5g51860	NM_124565
AGL73	At5g38620	NM_123223
AGL74	At1g48150	NM_103711
AGL75	At5g41200	NM_123485
AGL76	At5g40120	NM_123375
AGL77	At5g38740	NM_123235
AGL78	At5g65330	NM_125931
AGL79	At3g30260/At3g30270	NM_113925
AGL80	At5g48670	NM_124244
AGL81	At5g39750	NM_123337
AGL82	At5g58890	NM_125279
AGL83	At5g49490	NM_124326
AGL84	At5g49420	NM_124319
AGL85	At1g54760	NM_104351
AGL86	At1g31630	NM_102898
AGL87	At1g22590	NM_202157
AGL88	At2g11990	AY233210
AGL89	At5g27580	NM_122640
AGL90	At5g27960	NM_122679
AGL91	At3g66656	NM_111544
AGL92	At1g31640	NM_102899
AGL93	At5g26950	NM_122577
AGL94	At1g69540	NM_105623
AGL95	At2g15660	NM_127127
AGL96	At5g06500	NM_120733
AGL97	At1g46408	NM_103604
AGL98	At5g39810	NM_123344
AGL99	At5g04640	NM_120546
AGL100	At1g17310	NM_101593
AGL101	At5g27050	NM_122587
AGL102	At1g47760	NM_103669
AGL103	At3g18650	NM_112751
AGL104	At1g22130	NM_102063
AGL105	At5g37420	NM_123101

Table 3 Suppl. Real time qPCR primer sequences.

Gene name	Forward	Reverse	Efficiency [%]
AsAGAMOUS	CTATGAGTATTCTAACAAC	ATGCTTCTTGGATCTGATTC	103
AsAGL12	CACTAATGGGACCATGGA	GCTGAATCTCTTGGAACATG	96
AsAGL15	CACTAATGGGACCATGGA	CATGATCTCCATCTTAGTG	102
AsAGL67	GAAAGCGACATGGCTGCCC	CTAAATACATCTGTATACTG	102
AsAGL80	CATCGCAGCCGTTGGAGG	CATCTTGGACTCCATCAACC	97
AsSEP1	GAGAGATCATTGTGAAGTTC	TCCTCTCTTCCACCACCTTC	106
AsSEP3	CTCCTCCAGCATGACGAAG	GAGATCTGAAAGTTGATCAAG	94
AsActin	GACACCATCCCCAGAATCC	CCCCAGAAGAACACCCTGT	99

Table 4 Suppl. MADS-box family gene in sugar apple (*Annona squamosa*).

Gene name	Unigene ID	Subcellular location	K-box domain	ORF length	Deduced polypeptide		
					Length [aa]	Mr [kDa]	pI
AsAGAMOUS	Unigene0003721	nuclear	√	666.00	222.00	25.71	9.10
AsAGL12	Unigene0005433	nuclear	√	594.00	198.00	22.36	7.36
AsAGL15	Unigene0038024	nuclear	×	804.00	268.00	30.76	8.06
AsAGL67	Unigene0016742	nuclear	√	1011.00	337.00	37.76	5.97
AsAGL80	Unigene0058879	nuclear	×	723.00	241.00	27.36	9.41
AsSEP1	Unigene0029534	nuclear	√	729.00	243.00	28.08	8.88
AsSEP3	Unigene0017593	nuclear	√	729.00	243.00	27.55	8.66

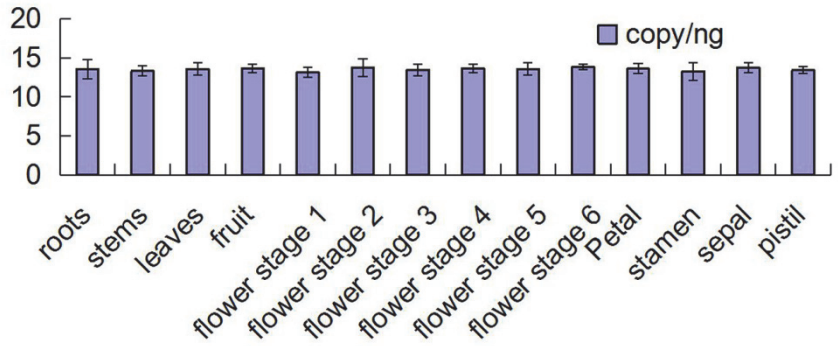

Fig. 1 Suppl. The Ct values of *AsACTIN* gene in different samples.

Fig. 2 Suppl. *A* - Multiple sequence alignment of seven MADS-box proteins in sugar apple generated using *ClustalW* and inspection. *B* - Multiple alignments of the MADS-MEF2-like domain and K-box domain of these seven MDS-box proteins are indicated using *dark* and *light boxes*, respectively.