Table 1S. Oligonucleotide primer sets used in RT-PCR, real-time and stem-loop RT-PCR analyses.

Gene	Oligonucleotide	Sequence (5'–3')	Gene, Accession No, or Gene Locus Identity	Reference[a]
Pospiviroid	POSPI-FW/POSPI-RE	GGGATCCCCGGGGAAAC/ AGCTTCAGTTGTWTCCACCGGGT		Verhoeven *et al.*, 2004
bHLH TF (*BIGPETAL1* homolog)	BHLH tomato_F/ BHLH tomato_R	GCAGCAAACATTCGAGACAA/ GCCTTTGATGCCTCCAATTA	*SlBIGPETAL1*; Tomato_SGNlocusID_20267_Solyc04g005130	this paper
Proline-like t-RNA synthetase (OVA6) (*OVULEABORTION6* homolog)	Ovule Abortion tomato_F/ Ovule Abortion tomato_R	ATTGTCGGCGTTTTAGTTGG/ GCTGCTTGATGGCAGTTACA	*SlOVA6;* Tomato_SGNlocusID_12237_Solyc01g096870	this paper
EF-1α	EF1-F / EF1 R	GATTGGTGGTATTGGAACTGTC/ GCTTCGTGGTGCATCTC	*S. lycopersicum* elongation factor 1 (*EF-1*); X14449	Hammond and Zhao, 2009
expansin	EXPF/EXPR	TGTTGGAGGTGCTGGTGATA/ CCCCTCAAAAGTTTGTCCA	*LeEXP2*; AF096776	Hammond and Zhao, 2009
pkv (protein kinase viroid induced)	PKVRQF/PKVRQR	TCCGTTGTTCTGTCAATCCA/ CCTCCCACAAAAAGACCAAA	*pkv;* EU196240	Hammond and Zhao, 2009
GA20ox1	GA20oxRQF/GA20ox RQR	TTCCGGTTCCACTTATCGAC/ GGCGTTGGAGATGATATTA	*GA20oxidase1*; AB032198	Hammond and Zhao, 2009
GA7ox	GA7OXF/GA7OXR	TTTGAGCACTTGTGGTTTCG/TGCTTG AAATAAGGTGTAATGCTG	*GA7 oxidase*	Katsarou *et al.*, 2016
SlIAA3	SlIAA3F/SlIAA3R	GTTAGCATGGATGGAGCACC/ACCAA CAAGCATCCAATCAAC	Tomato AUX/IAA transcription factor; JN379433	this paper
IAA9	R-IAASolF/ R-IAASolF	GCTGTGAATGATGCCTCAAA/ TCAAATAGGGAGCACCATCC	AUX/IAA9 transcriptional regulator; AJ937282	this paper
ARF6A	ARF6ASolF/ ARF6ASolR	TTTCATGAACCGGAACCATT/ CAAAATTGCCAACGCGTGTG	Auxin responsive factor 6A *Solyc00g196060*	Liu *et al.*, 2016
ARF8B	ARF8BSolF/ ARF8BSolR	GGGAAAGGAAGAGGCTGAAT/ CGAAAGCTAAAGAAGCCAGGT	Auxin responsive factor 8B *Solyc02g037530*	Liu *et al.*, 2016

SlAG6	SlAGL6F/SlAGL6R	AAACCCTTGAGAGGTACCAACG/ CACCAAGCAAGTGCCTTTGAG	*Solanum AGAMOUS*-like 6 MADS-box-transcription factor *Solyc01g093960*	Klap *et al.*, 2017
SlGRAS24	qSlGRAS24F/ qSlGRASR	TGGTCCAGACAGGGAATCCG/ TTCAAGTTGTTGGTGTTGGCA	Transcription factor; *Solyc01g090950.2*; SGN_U569651	Huang *et al.*, 2017
SlDELLA	qSlDELLAF/ qSlDELLAR	TGATGCGACTATACTTGATATAAG/ GGGTTAATCTGTTTAATAGAGTTC	*Solyc11g011260.1*; SGN_U575114	Huang *et al.*, 2017
Dwarf1-DIMINUTO	Dwarf1-DIMF/ Dwarf1-DIMR	TCCAAGATGTCGGATGCTAA/ GATCCATCGGAACGAAAGAA	Protein involved in steroid synthesis *Solyc02g030170*	Katsarou *et al.*, 2016
SlWUS	SlWUSF/SlWUSR	CCAGCAACTTACCCTTTTCTTG/TAAA GCAGAGTTACCCCTTTGG	*WUSCHEL; Solyc02g083950*	Li *et al*, 2017b
YABBY	YABBYF/YABBYR	GTAAGATGTGGGCATTGTGC/TGTACT GTTGCCTTTGCAGC	Zinc-finger domain protein*; Solyc11g071810*	Li *et al*., 2017b
FW2.2	FW2.2F/FW2.2R	GCTTAAGAACCGTGGCTTTG/TGATAA GGGGGCATGGTAAC	*FRUIT WEIGHT 2.2, Solyc02g090730*	Li *et al*., 2017b
APETALA1	ApetalaF/ApetalaR	TGCGATGCTGAAGTTGCTTT/GTTTTC CTGCACCGGTGATT	Sol Apetala-like MADS box transcription factor; AY306154	this paper
TAG1	TAG1F/TAG1R	CTTGATGCCAGGGAGTTCAT/ ATCGAATTGCTGAGGTGGAG	Tomato agamous-like transcription factor; Solyc*02g071730*	Li et al., 2017b
miR156	RT primer/Forward primer	GTCGTATCCAGTGCAGGGTCCGAGGT ATTCGCACTGGATACGACGTGCTC/GC GGCGGTGACAGAAGAGAGT		Varkonyi-Gasic *et al.*, 2010
miR159	RT primer/Forward primer	GTCGTATCCAGTGCAGGGTCCGAGGT ATTCGCACTGGATACGACTAGAGC/C GGCGGTTTGGATTGAAGGGA		Varkonyi-Gasic *et al.*, 2010
miR167	RT primer/Forward primer	GTCGTATCCAGTGCAGGGTCCGAGGT ATTCGCACTGGATACGACCTAGATC/T CGCGTGAAGCTGCCAGCAT		Varkonyi-Gasic *et al.*, 2010
miR171	RT primer/Forward primer	GTCGTATCCAGTGCAGGGTCCGAGGT ATTCGCACTGGATACGACGATATT/TT CCTTGATTGAGCCGCGCC		Varkonyi-Gasic *et al.*, 2010
miR396	RT primer/Forward primer	GTCGTATCCAGTGCAGGGTCCGAGGT ATTCGCACTGGATACGACCAGTTC/CG GCGTTCCACAGCTTTCTT		Varkonyi-Gasic *et al.*, 2010
miR408	RT primer/Forward primer	GTCGTATCCAGTGCAGGGTCCGAGGT ATTCGCACTGGATACGACGCCAGG/C GGCGCATGCACTGCCTCTTC		Varkonyi-Gasic *et al.*, 2010

Universal miRNA reverse primer	Universal miRNA reverse primer	GTGCAGGGTCCGAGGT		Varkonyi-Gasic *et al.*, 2010
U6snRNA	U6snRNAF/ U6snRNAR	TCTAACAGTGTAGTTTGTCCCTTCG/T TGTGCGTGTCATCCTTGC	U6 small nuclear RNA	Feng *et al*., 2013.

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