

**Additional file 11: Genes tested with qRT-PCR and primers used.**

Gene	Name or protein domain	Product Length	Primers	Primer sequence	primer position
AT4G27090 <sup>#</sup>	60S RPL14	232	RPL14B-Fw	GAGAGGATCCAGATGAACTTCAAGA	exon-exon
			RPL14B-Rv	GCTCTTGCCTGACAACACCAGCTTT	
AT1G23420	INO	106	INOqFW1	GGTGAATCAGGAGAAGGAGAACAG	exon-exon
			INOqRV1	CTCAGGTGGTTTATTGACAACCTGG	
AT1G68190	Zn Finger Bbox	78	1g68190qFW1	TCCCTCCCTCTCTAACAATACACG	exon-exon
			1g68190qRV1	TTCTCCTCCACTCTTGCTCTCTTC	
AT1G71030	Myb domain	134	1g71030qFW1	ATAGATGGTCATTGATAGCGGGAAG	no intron
			1g71030qRV1	GTGATGGTGGAGACGATGATTGG	
AT1G79700*	ANT-like	189	1g79700qFW1	AGCGTCTGCGTCTGAGTCTG	intron incl
			1g79700qRV1	CGTCCTTTCTTGGTCTGTGTATCG	
AT2G01500	WOX6	124	2g01500qFW1	CGTCGTGAAGGTGGTGCTATTATC	intron incl
			2g01500qRV1	GTGGCTGTGGTCGGTTTGTG	
AT2G33830	kinase	78	2g33830qFW1	TGACATCAAAGGAGAAGGGAGCAG	exon-exon
			2g33830qRV1	CCTGGCGTCGTCGGAGTTC	
AT2G34700	OLE E1 allergen	290	2g34700qFW1	TTCAAGGAGCGACCGTAAAGC	exon-exon
			2g34700qRV1	GAAGGGACCAACAGAGAAGAGAAC	
AT3G54340	AP3	165	3g54340qFW1	AGCCCTAACACCACAACGAAG	exon-exon
			3g54340qRV1	CAAACACTCACCTAGCCTCTGC	
AT5G03790	HB L-zip class I	118	5g03790qFW1	CTTACGCAGCAGGAAATTCATATACG	exon-exon
			5g03790qRV1	ATCTCATTGTTGTTGTTTCGGAATCG	
AT5G42630	ATS/KAN4	201	5g42630qFW1	GGTAGAGAAAGAGGCAGAGCAGAG	intron incl
			5g42630qRV1	TTGTCCTTAGTGTGATGAGTTGTTCC	
AT5G57720	B3 domain	125	5g57720qFW1	CAAGAAAGGAAGGGTTACAAGAAAGC	exon-exon
			5g57720qRV1	ATATACGCCTGGAACACGATGAAG	
AT2G23060	GNAT family	153	2g23060qFW1	ATGCTGGTGGCTGAGATTGG	exon-exon
			2g23060qRV1	AAGTGGTTTGGTAATAACGACATCG	
AT4G36740	HB L-zip class I	86	4g36740qFW1	ACAACCACTAGGAGAAGTGAAGC	exon-exon
			4g36740qRV1	AACCGTTGCCTCCATCTGC	
AT5G17300	Myb domain	152	5g17300qFW1	GTTATGGCGTCGTCTCCGTTG	exon-exon
			5g17300qRV1	GTGTATGGCTTCCGTACCTTGG	

\*At4g27090 was used as the cellular reference standard.