

Supplemental Table 1. Primers

Gene name	LP	RP
<i>PHERES1</i>	CAATGGTGTATTTCGTAGGGTTGA	TGCATCCACAACAGTAGGAGCTA
<i>PHERES2</i>	TACCTCTTCCTATTGTTGCGAATG	CCCTCGTCCTCTCCATCAT
<i>AGL62</i>	TGCTGCTTTTGGGATTGATG	CTGGTTGTAGTTGAAGGCATTTATGT
<i>AGL40</i>	GGTCAAAGTTCTGGCGTGAT	CGGAACGAGAACTCCATCAT
<i>AGL35</i>	CGATGTCGGTGATGGACAAG	TTCCGCAACTTCTTCCAAGAC
<i>AGL36</i>	CTGCGGTAAGTCTTCCAGTA	TAGTTGATGGTAGTTGTAGCAGT
<i>AGL90</i>	AACGGGATATTCAAGAAACT	ATGGGTTTCTTGATCCATCAT
<i>FIS2</i>	GGTGCAGGCTAAAAGATTG	CGATCACCTTTGTTTTTCGT
<i>MEDEA-AT</i>	CACAAAACACTACAAAAACAAAG	TAAACAAGGGCATTGATATCC
<i>MEDEA-AA</i>	TAAGGAAGAGGCACCATTATCT	AACCGGTCTACATCTTTGGA
<i>ROC1</i>	AAAACCCCTTCACTTCAA	CACGACCTGCCCAAACAC
<i>18S</i>	TCCTAGTAAGCGCGAGTCATCA	CGAACACTTCACCGGATCAT

Supplemental Table 2. Parental specific expression of *AGL* genes and *FWA*

	2x2x/4x2x-rep1	2x2x/4x2x-rep2
phe1-at	15.2	10.4
phe1-aa	120.5	77.5
phe2-at	9.3	4.9
phe2-aa	20.8	12.8
agl62-at	13.0	8.9
agl62-aa	115.0	64.4
agl90-at	73.1	54.0
agl90-aa	20.5	25.4
agl35-at	11.9	6.0
agl35-aa	1.5	0.3
agl40-at	7.2	4.7
agl40-aa	17.2	10.4
agl36-at	96.2	56.9
agl36-aa	19.3	20.7
fwa-at	0.9	0.7
fwa-aa	1.6	1.4