

Table S4. Primer pairs used for quantitative real-time PCR analysis (fatty acid biosynthesis genes).

Name	Locus tag	Description	Forward primer	Reverse primer
FAD2-1A	<i>Glyma.10g278000</i>	omega-6 fatty acid desaturase	GCAAGCCACTACCACCCTTA	ACATAGCAGCCAAACCAACC
FAD2-1B	<i>Glyma.20g111000</i>	omega-6 fatty acid desaturase	TCCCAAACCAAAATCCAAA	TGGGAGCATAAGGGTGGTAG
FAD2-2A	<i>Glyma.19g147300</i>	omega-6 fatty acid desaturase	TTGGCCTTGTTCTCCACTCT	TGTAGCGTCCATTGCATGAT
FAD2-2B	<i>Glyma.19g147400</i>	omega-6 fatty acid desaturase	TTGTTGGCCTTATCCTCCAC	GACTCTGCCTGGTGGATTGT
FAD2-2C	<i>Glyma.03g144500</i>	omega-6 fatty acid desaturase	TGTTCTCCACAATGCCACAT	CACATTGCCTTGACAAATGG
FAD2-2D	<i>Glyma.09g111900</i>	omega-6 fatty acid desaturase	AACTCACCAGGGAGGGTTCT	GGGGCCATAAGGGTCATAGT
SACPD-A	<i>Glyma.07g207200</i>	stearoyl-acyl carrier protein desaturase	GCAGCTAACCGGACTTTCAG	TTGACGACTCCTTGCCCTCTT
SACPD-B	<i>Glyma.02g138100</i>	stearoyl-acyl carrier protein desaturase	TGAGAAACGCCATGAGACTG	CCGTCATACATGAGGTGTGC
SACPD-C	<i>Glyma.14g121400</i>	stearoyl-acyl carrier protein desaturase	GAACGGTGGAGATTGGAGAA	TGAACTTAACGCCATGATGC
FAD6	<i>Glyma.02g203300</i>	omega-6 fatty acid desaturase	CTCCAAGAAAAGTGGGGACA	GGCATGGTTTCCTTCAAAAA
ACT1A	<i>Glyma.09g34110</i>	Glycerol-3-phosphate acyltransferase	CTTAAGCAGGGGCACAACAT	CCGGCTACATAGGTCATGCT
ACT1B	<i>Glyma.01g01800</i>	Glycerol-3-phosphate acyltransferase	TAGTCTGGATTGCCCCAAGT	GCACAATATCGCCAAAGGAT
ELF1B	<i>Glyma.02g44460</i>	Eukaryotic elongation factor 1 b	GTTGAAAAGCCAGGGGACA	TCTTACCCCTTGAGCGTGG