

## Supplemental Table S4 Primers Used in this study

Gene	AGI ID	Sequences (5'to 3')	Experiments
<i>FAD2</i>	At3g12120	ATGGGTGCAGGTGGAAGAAT CCAGGAGAAGTAAGGGACGA	qRT-PCR
<i>FAD3</i>	At2g29980	CATAAGCGGCGTGCATTTTG ACGAAAGCAGCTAAACATGT CGCTGTGCATAAGCATTCTC	qRT-PCR and RT-PCR
<i>FAB2</i>	At2g43710	TTGGGGCCGGAGCTGAGAGC	qRT-PCR
<i>FAE1</i>	At4g34520	CGTTAAGCTCCTTACC GTT TCTGTCTCTCACGTGACGC	qRT-PCR and RT-PCR
<i>CAC2</i>	At5g35360	TTCCGAATGTTCTGTCTGCGGCTA TCGCTTTGTCTCCATAACACGGA	qRT-PCR and RT-PCR
<i>ACP1</i>	At3g05020	AATCTATCCTTCAACCTCCGCCGT AGAGAATCTGCTCCAAGGTCAGCA	qRT-PCR
<i>PDH-E1<math>\alpha</math></i>	At1g01090	GCATTTGGGATGCCTGGTGTTCAT GCGTATTTGGCTTCTCAGCAGCA	qRT-PCR and RT-PCR
<i>EAR</i>	At2g05990	TCAAGGAAAGGCTATCTCGCTGCT TCACTCTCTAGTGCAGCTTTGGCA	qRT-PCR and RT-PCR
<i>MCAT</i>	At2g30200	ATTCAAAGCACGAATGACGGTGCG TCACCTGGCGTGCAAGTATCTTCT	qRT-PCR and RT-PCR
<i>BCCP2</i>	At5g15530	AACCCAATGGGATCTCCTTTCCT ATAAATTCAGAGAGCTCGGCGGGT	qRT-PCR and RT-PCR
<i>PDH-E1<math>\beta</math></i>	At2g34590	AAACTCGTTGCTCCTTCTCGCTCT ATGAAGTAGAGCTCGCAGCAGTGT	qRT-PCR
<i>LPD1</i>	At3g16950	ATCATCATCGGAGCTGGAGTTGGT TGAAGTTCCCGCATTGACCACTA	qRT-PCR
<i>Oleosin</i>	At3g01570	TCCTTTATCCTCAGAGTGGCCCTT AAGGCTGCTGGTACAATAACCGGA	qRT-PCR and RT-PCR
<i>Caleosin</i>	At5g55240	AGCACTACAAGCACCTGACATGGA AGCCAAGATAAGCGACGCGAGTAA	RT-PCR
UBQ5	At3g62250	CTTCAGCAGCCGTTGCCTCA CTGGTAAACGTAGGTGAGTCC	RT-PCR
<i>LEC1</i>	At1g21970	TTGCCAACGTGAGCAACGTAAGAC TGAGATGGGCCGTGAAACCAATA	RT-PCR
<i>LEC1</i>	At1g21970	GGCTCGAGGACGGCAGAGAAACAATGGAAC GGGCTAGCCAGTTTGGGTAAATCATTGTC	pER8-LEC1
<i>ABI3</i>	At3g24650	TCCATTAGACAGCAGTCAAGGTTT TTTACTTTCCTCAAATCCTCAGCC	RT-PCR
<i>FUS3</i>	At3g26790	ATGATGGTTGATGAAAATGTG CTAGTAGAAGTCATCGAGAGA	RT-PCR
<i>LEC2</i>	At1g28300	ACAATCGCTCGCACTTCACAACAG	RT-PCR

<i>PIS2</i>	At4g38570	ACCACCTCTCTCTTGCCACAAACA AACTGCATTGCCTTCTCTGTGTGC ACAGGCTGTGCTGACTCTATCTGT	qRT-PCR
<i>GPDHCl</i>	At2g41540	GGTGTTCCTGCAGTGGGAGCATTT ATGCTTGCAGAATGGCCTGAGTTG	qRT-PCR
<i>FatA</i>	At3g25110	AGCTGATCTCGACATGAACCAGCA ATTCAGAGGTGGTGGTGGTGAGT	qRT-PCR
<i>KASII</i>	At1g74690	TTAGAGGTTACTTGCTCGGCGT TCGAGCAAATGCTTGCAACCTGAC	qRT-PCR
<i>CAC3</i>	At2g38040	TGGAGAACAAGTATAGACAGGCA GGTCTCCATGAAGCTCCATAAA	qRT-PCR
<i>CDP-DAGS</i>	At4g22340	TAATGGGTCGTTTCTGTGGCTGA AGCATGCCACTGGACTGGTAGAAT	qRT-PCR
<i>SDR</i>	At1g62610	GCGTATGCTTGTTCAAAAGGTGGT TTCCGTTACCTTCTCGAGCCACT	qRT-PCR
<i>Actin7</i>	At5g09810	GGAAGTGAATGGTGAAGGCTG CGATTGGATACTCAGAGTGAGGA	qRT-PCR
<i>AtLIL</i>	At5g47670	ATGGAACGTGGAGGCTTCCATGGC GTACTTATGTTGTTGAGTCGGAAA	RT-PCR
<i>AccD</i>	Atcg00500	ACGCTGTTCAAACAGGTACAGGTC ACTTCCTTCTTGCAATTCGTGCTCC	Probe of Northern
<i>BnLIL</i>		GGCTCGAGAGGGTTTGGTGATTGGGATCTTGT TTACTAGTGGTATGCGTTGAAGCTCCTCTGGA	pER10- <i>BnLIL</i>
<i>BnLEC1</i>		GGCTCGAGCGACAGAGAAAACAATGGAACGTGG TTACTAGTTCACCTTATACTGACCATACTGGTC	pER10- <i>BnLEC1</i>