

Additional File 4

Details of primers used.

Primer name	Gene name	Primer sequence (5'-3')
Primer sequences for cloning		
pSCP F	<i>SCP17</i>	CCAAGCTTGGAAGAGCTCTTCTCTGGCTGTG
pSCP R		GACCTAGGTCTCTTTGATCAAAAGTTTTT
pACP F	<i>ACP5</i>	CCAAGCTTGCATACTCTCTCGTGAACTC
pACP R		GACCTAGGTATCGATCTGATCGAGAG
ZmLEC1 F	<i>LEC1</i>	GATGCCAAAGGGAGCAGAGA
ZmLEC1 R		CCCCTTGCATCACCCCTCAAA
F-Spect-pA6-SacII	<i>SpecR</i>	ccgattttgaaaccgcgCATGATATATCTCCCAATTTGTG
R-Spect-pA6-SacII	<i>SpecR</i>	ctgcctgtgatcaccgcgTAAGCCTCGTTCGGTTCGT
F-Basta-pA6-ApaI	<i>BastaR</i>	ctcggtagcaagctggggcgccGATACATGAGAATTAAG GGAGTC
R-Basta-pA6-AseI	<i>BastaR</i>	ctgaattaacgccgaattaatGAGCTTGCATGCCGGTCGATC
Housekeeping gene primers in Arabidopsis		
SAND F	<i>SAND</i>	AACTCTATGCAGCATTTGATCCACT
SAND R		TGATTGCATATCTTTATCGCCATC
PP2AA3 F	<i>PP2AA3</i>	TAACGTGGCCAAAATGATGC
PP2AA3 R		GTTCTCCACAACCGCTTGGT
ER332		GAGCTGAAGTGGCTTCCATGAC
ER333		GGTCCGACATACCCATGATCC
Primers for semi-quantitative / quantitative PCR of Arabidopsis		
AtACC1 F	<i>AtACC1</i>	AGTGAGAATGCATAGGTTGGG
AtACC1 R		CTCGGTATATGTGGACAGTGC
AtBCCP2 F	<i>AtBCCP2</i>	GACCCGGTGAACCCCCT
AtBCCP2 R		GTCAACGCTGACTGGTTTTCCAT
AtPDHE1C F	<i>AtPDHE1C</i>	ATGTGTGCTCAAATGTATTACCGAGGC
AtPDHE1T R		ACCTTTGCTGAGGGCATGG
AtSUS2 F	<i>AtSUS2</i>	GCGGGAAGCAAGAACAATG
AtSUS2 R		GAACAACCTCGGTAAAGACCAGGC

Housekeeping gene primers in *Camelina*

CsActin F	<i>CsActin</i>	ACA ATT TCC CGC TCT GCT GTT GTG
CsActin R		AGG GTT TCT CTC TTC CAC ATG CCA
CsTubulin F	<i>CsTubulin</i>	GGGCTAAGGGACATTACACTG
CsTubulin R		GTGTTCCCATACCAGATCCAG
CsEF1 α F	<i>CsEF1α</i>	GGTAAGGAGATTGAGAAGGAGC
CsEF1 α R		CACAGCAAAACGTCCCAATG

Primers for semi-quantitative / quantitative PCR of *Camelina*

CsACC1 F	<i>CsACC1</i>	CTAAGCCCTGAAGACTACGAAC
CsACC1 R		ATTACCCACCTTGTTTCCCC
CsBCCP2 F	<i>CsBCCP2</i>	ACACAGTGGCATCTCCTTTC
CsBCCP2 R		GGTTTTGGCTTTTCCGTTTCAG
CsPDHE1T F	<i>CsPDHE1T</i>	TGGAGAATAACTTGTGGGCG
CsPDHE1A R		ACCTTCAACACATCCATACCG
CsSUS2 F	<i>CsSUS2</i>	CGTTTGCTACTTGTCATGGTG
CsSUS2 R		TTACCCAGTGATTCCGGATTGG
