

Table S3: Primers used to amplify and sequence candidate genes

Gene	Accession number	Primer A name (5' to 3' sequence)	Primer B name (5' to 3' sequence)		
<i>ACX2</i>	<i>At5g65110</i>	ACX2-3 (AAGCCCAAAGCCACATTACC)	ACX2-4 (GCGTGAACACCCATATCCGAGAC)		
		ACX2-5 (TAAGATGGGCGTTCAATACAGG)	ACX2-6 (ACATAAGATTTGAGCCCAGCAGAG)		
		ACX2-7 (TCGGTGAGCTTGTAGGTGGTC)	ACX2-8 (GTCCGGGCAGCTGAAGAAAGT)		
		ACX2-9 (TGCTTTCCGGGTGAGTTAGTGTTTGC)	ACX2-10 (GGTTATATCGTCGTGCCAGTTC)		
<i>CHY1</i>	<i>At5g65940</i>	K14B20-1 (CAACTTCCTAAACTAAGCGGGTGAAG)	K14B20-8 (CGAAATCGACCATGGACGGATACACC)		
		K14B20-2 (GTCTTACGAAATAGACGCACGC)	K14B20-7 (GCAGCTGAATGCTCTGTCTTCCAC)		
		CHY1-A1 (GGTTTTTGCATGCCTGAGAC)	CHY1-A2 (CCTGCAATCGCCCTTCCCTTATC)		
		CHY1-A3 (TTGCGCAGGTTAGATGTTATTG)	CHY1-A4 (ATTCTGCTCTGCTGCTTTGGTGTG)		
<i>DRP3A</i>	<i>At4g33650</i>	DRP3A-1 (GCTAAGCACGAAAATCCCGAG)	DRP3A-2 (GATGCAGACGCCACAAAAGTAG)		
		DRP3A-3 (CCCTGTCTTTCATGTGATTTAC)	DRP3A-4 (TGGCCAAACACCTTCCCTAC)		
		DRP3A-5 (TTTTACTGCTCAATTTGCCATC)	DRP3A-6 (AGTCCGAATATCATCTGTCAAG)		
		DRP3A-7 (CCATGCGAGGACTTGACAG)	DRP3A-8 (CTCGGAAAATTGAAGGGATACC)		
		DRP3A-9 (GTAATTTTCTACCGCTGTC)	DRP3A-10 (AACTGCTATCTCATCTGGCTCTTG)		
		DRP3A-11 (AGCCGTTTGTCCATCTTG)	DRP3A-12 (GAATACCGCTGTCCATAACTAAC)		
		<i>LON2</i>	<i>At3g06810</i>	LON2-1s (CTCATAAGTGTTCCTTTGCTAAATCCC)	LON2-2s (CCACATTCACTTTCTGCTGG)
LON2-3s (CTTATCTTTGATGCCACCAACAGGCAGAAC)	LON2-4s (GTCTGTATTGACTGTTACCCTTAACGG)				
LON2-5s (CAGATGGCGCATAGCTATCTTAAG)	LON2-6s (GATGGTGTGTGACTGTGGACCAACTTG)				
LON2-7s (GGCTAAACCATAGTGATCACTGTCAAGACG)	LON2-8s (TAGTTTCGACTTAGAGCTTATTTGG)				
LON2-9s (CTGGATCTGTTTTACTTGCTCCAATC)	LON2-10s (GAAACAGTGGAGCTCCCGAGTAGGTTAGCG)				
LON2-11s (GATCGAAGCGTAAGAATGTTAGGAATTGAG)	LON2-12s (GTAATGTAATGGGCCTTAGTCTCATTGTTTC)				
<i>MDAR4</i>	<i>At3g27820</i>			MDAR4-1 (ATGATGGGCCAAGCAAGTCGTG)	MDAR4-2 (CCATACCCGGGCACCTGTTG)
				MDAR4-3 (CACGGCTTCCTTCTTCCACAC)	MDAR4-4 (ATCCCGATACCAACCACAACC)
				MDAR4-5 (AAGGAACGGTTTTGACATC)	MDAR4-6 (TTGCCGAATTAACCTACC)
<i>MFP2</i>	<i>At3g06860</i>			MFP2-20 (AGTACCGTTGCTTTGAGGAGTGTGC)	MFP2-21 (AACATACCATTCCCCTTCTGCATTTACC)
				MFP2-22 (TGATCTGGTAATGGCTTTTGTGTTCTTTTT)	MFP2-23 (CCCATGGTTTTCTCCTCCCGACTAT)
		MFP2-24 (GATTTTGGTATGTCAGTGCCCTTATTCTTA)	MFP2-25 (CACTTCAGCTTGTATGTTTCATCCTTACC)		
		MFP2-26 (TGGAATTGGCAGAGTTAAAGGTGAGG)	MFP2-27 (TGCAATCGCCACACCAAAATCCAACC)		
		MFP2-28 (ATCCATATCTAATCGACAGGGCAATCAG)	MFP2-29 (TGACAAAGCACAAATAAAACAAATCT)		
		<i>PED1</i>	<i>At2g33150</i>	PED1-20 (AAGCAAAGAAATATTACGAAAAA)	PED1-21 (ATCCCCAGACTGCAAACACAAGAG)
				PED1-16 (ATCTGGGCTTCAGGCTGTTGCTGAT)	PED1-17 (TGCCTTTCTGTGCGAGTCAACCTA)
PED1-13 (GACATAGGCATTGATAGAGAAGACGAATCT)	PED1-8 (AAGTACCAGCAGTAGTGGTGCCAT)				
PED1-14 (TGTTGACCCGAAGACTGGTGATGAGAAAC)	PED1-15 (AGATATATCTCGGCTGTGGATTTCTTAAGG)				
PED1-11 (GAATCCTTGTGTGTTTCAGGCAT)	PED1-12 (AGAAATGGCTGCCACCCAAA)				