

Table S2

Gene/Exon	Orientation	Primer sequence (5'-3')	Amplicon size (bp)	Annealing temperature (°C)
<i>SUN1</i> E1	F	TTTCCTGCCCGTTAAAACAC	227	62
	R	TGGAGTTCCTGTTAAGGTCCA		
<i>SUN1</i> E2	F	CATTTTGTTCAGAAATGGGG	312	61
	R	TGGAAGCTTGTTTAACTGG		
<i>SUN1</i> E3	F	TGCTGTTTATTCCCAGATTAAGAG	323	62
	R	ACTGTAGGCGGGACAATCTG		
<i>SUN1</i> E4/5	F	GACCAGTGCCATAATGCTG	536	64
	R	TCCAAGACAAATAGTGCAGACAC		
<i>SUN1</i> E6	F	GGGCTCTCCCAAGTGATT	452	64
	R	CAGCACCAAGACCACAGGAG		
<i>SUN1</i> E7	F	CTAGCCTTGCACATCCTCT	320	64
	R	CAACAGCCCGTCGTCATCAG		
<i>SUN1</i> E8	F	GAATCCGCCACACTACTG	190	64
	R	GTGACAGGGCGAGATGAGAC		
<i>SUN1</i> E9	F	GTCAGTGCAGAGGCTGGTC	218	64
	R	AGGTGCTTAGCTGCCAGAAG		
<i>SUN1</i> E10	F	CATTTAGGAGCTTGGTTTTCC	194	62
	R	CTTAAAGCACACGCTGAC		
<i>SUN1</i> E11/12	F	GATTGGTGAACCCTGACTTTC	440	62
	R	GTGCAGTGCCAGCTGAGAG		
<i>SUN1</i> E13	F	TGCTTGTGTGACTACCTGGTTTC	304	64
	R	CAGAAGCGCGTTGGGTGC		
<i>SUN1</i> E14	F	GTAGAAACGCCTTGGCCTG	245	62
	R	GACCAAAGGGCTTTAAAATATTAG		
<i>SUN1</i> E15	F	GGGTATTCCAGATAAATCAATGG	206	62
	R	CGCTCCACATAACCACACAC		
<i>SUN1</i> E16	F	CCCCTCAGCCTGTGTGTAGTG	283	61
	R	AAACCTAAGTCATCAATTCAAGTTTTTC		
<i>SUN1</i> E17	F	TGGTCCTGCATTATTGGAGGGGTT	551	58
	R	CACACCCAGCCAGACCACT		
<i>SUN1</i> E18	F	TGGTGTTTGGTCTTCCGTC	183	64
	R	AAGTGCACACCCCTGCTAAC		
<i>SUN1</i> E19	F	TGGTGGAAGTGGACACTGAG	214	64
	R	CACTAACCGAGTCCATGCTG		
<i>SUN1</i> E20	F	TCCTCTTCTGCTGCTAAGTG	320	64
	R	CAGTGCCTCACGTCCT		
<i>SUN1</i> E21	F	TAGTGCTGGCTGTGGAAGG	240	64
	R	CCTGCTGTCACGAGAAGTTG		
<i>SUN1</i> E22	F	CAGACGTCATATTGGGGGAAG	594	62
	R	TATCTGCCCTCCAAAAGTCC		
<i>SUN2</i> E1	F	CTAGAGAGGAGCTGGGGACA	203	63
	R	AGGTTGCAACAAGAAGGCAG		
<i>SUN2</i> E2	F	GCCAGCATTGGGAGAGTCAG	410	52
	R	GCAGAGAGGTGCTCTGAGGA		
<i>SUN2</i> E3	F	CTCACAGTGTCCCCTGCAGT	363	59
	R	CACATGCTGCCCTCTCTCCA		
<i>SUN2</i> E4	F	CATTCCTFACTGCACACCGG	344	55
	R	GGTCTACAGTCTCTCTGCA		
<i>SUN2</i> E5	F	CAGGACAGAGGCATACTGGC	361	50
	R	GGGAAGCTACTCCGTGATCG		
<i>SUN2</i> E6	F	GCTCTAGTTCAGCACCCAGG	262	59
	R	CTGCCTGCCAAAGGTCACCA		

<i>SUN2</i> E7	F	CTGGCAGGGATCAGGTAGCC	240	50
	R	GGGAGCTACCACCCTCAGAG		
<i>SUN2</i> E8	F	GCATGGCCTTATGCTGGAAC	494	55
	R	GCAGAGCTGTCTGATCCCAA		
<i>SUN2</i> E9	F	GCCACTTCCTAGTCATGAGG	213	50
	R	GGTGAACATGTTGGATGGGG		
<i>SUN2</i> E10	F	GACGCTAACAGACAGCAGAT	251	49
	R	CCTACCATCTGCTTGGCAAG		
<i>SUN2</i> E11	F	G TTCACAATGAGTGCTGGGC	406	54
	R	CTTGGGCATAACAGAGGCTG		
<i>SUN2</i> E12	F	CCTGCTATCCAGCTAAGCAC	419	52
	R	CACTTCCATCCTGGAACCTG		
<i>SUN2</i> E13	F	CACAGTGCAAGCCTAGAAGG	276	55
	R	CACCAACCTGGTAGATGCCA		
<i>SUN2</i> E14	F	CTCGGTTAGGGTTAAAGGCT	349	55
	R	GAAAGTCATGTCAGGACAGG		
<i>SUN2</i> E15	F	CATCTGGGGTCAGCAAGAGC	346	61
	R	CCAAATCCACTCCCCTCCCT		
<i>SUN2</i> E16	F	GAAGTGA CTTGTCATAGGCC	351	55
	R	CATCTTGAGCTGTGGGAAAG		
<i>SUN2</i> E17	F	GGAGCTTTTGAAGCCTGGTT	407	52
	R	CCCGTCCTTTTCATCTGCAT		