

**Supplemental Table S1.** Synthetic oligonucleotides used in this study.

Start codons are in green, stop codons in red. Restriction sites are underlined. A description of what each primer was used for is provided.

<i>Primer name</i>	<i>Primer sequence (5'-3')</i>	<i>Description</i>
<b>Cloning into pENTR and ImpGWB vectors</b>		
CPT1F-5'	CACCATGTTGTCTCTTCTTTCTTCTGA	5' primer to cloning AtCPT1 into pENTR and ImpGWB 402 vectors
CPT1OER-3'	TCAAACCCGACAACCAAATC	3' primer to cloning AtCPT1 into pENTR and ImpGWB 402 vectors
CPT1GFPR-3'	ACCCGACAACCAAATCGTC	3' primer to cloning AtCPT1 into pENTR and ImpGWB 451 vectors
<b>Real-time PCR Analysis of AtCPT1 and other AtCPT family members</b>		
CPT1F-5'	GTGGCAACTTGCTTATTCCG	5' primer for <i>AtCPT1</i> expression
CPT1R-3'	CCTACGCTGATACGAAGC	3' primer for <i>AtCPT1</i> expression
CPT3F-5'	GCGCTTATGTGCGATGCTG	5' primer for <i>AtCPT3</i> expression
CPT3R-3'	CAGACTCAACCTCCTCAGG	3' primer for <i>AtCPT3</i> expression
CPT6F-5'	GACGATTATGACAACGAGCAAC	5' primer for <i>AtCPT6</i> expression
CPT6R-3'	ATGTCTTGGCATCAGCTCTC	3' primer for <i>AtCPT6</i> expression
CPT9F-5'	AGCATGTGGCGGTTATATTGG	5' primer for <i>AtCPT9</i> expression
CPT9R-3'	TCTCCATGAGCCTTCTTCG	3' primer for <i>AtCPT9</i> expression
PP2AA3F-5'	TAACGTGGCCAAAATGATGC	5' primer for housekeeping gene <i>AtPP2AA3</i> expression
PP2AA3R-3'	GTTCTCCACAACCGCTTGGT	3' primer for housekeeping gene <i>AtPP2AA3</i> expression
<b>Genotyping of transgenic Arabidopsis plants</b>		
038151LP	CGTGTCTCGGCATTAGTTCTC	5' primer to AtCPT1 for <i>cpt1-1</i> mutant genotyping
038151RP	CCAAAGAGTGTACGAGGAAG	3' primer to AtCPT1 for <i>cpt1-1</i> mutant genotyping
032276LP	CGGACTCATCAAAATCAAAGC	5' primer to AtCPT1 for <i>cpt1-2</i> mutant genotyping
032276RP	GGAGAGATTCAGGGATCTTCG	3' primer to AtCPT1 for <i>cpt1-2</i> mutant genotyping
100795LP	TGGGGGTTTCATACAGTCTCAG	5' primer to AtCPT1 for <i>cpt1-3</i> mutant genotyping
100795RP	TTCGTGACGTGTCACCTCTCTG	3' primer to AtCPT1 for <i>cpt1-3</i> mutant genotyping
LBb1.3	ATTTTGCCGATTTTCGGAAC	3' primer to T-DNA insert for <i>cpt1</i> mutants genotyping
35SF-5'	CAATCCCACTATCCTTCGC	5' primer to CaMV35S promoter for CPT1-OE mutant genotyping
CPT1R-3'	CCTACGCTGATACGAAGC	3' primer to AtCPT1 for CPT1-OE mutant genotyping
<b>Functional complementation of the yeast CPT mutants</b>		
CPT1F-5'	CACCATGTTGTCTCTTCTTTCTTCTGA	5' primer to cloning AtCPT1 into pENTR and pYES-DEST52 vectors
CPT1R-3'	TCAAACCCGACAACCAAATC	3' primer to cloning AtCPT1 into pENTR and pYES-DEST52 vectors
pESC-CPT1F-5'	ATCGCGGCCGCAATGTTGTCTCTTCTTCT	5' primer to cloning AtCPT1 into pESC-URA vector
pESC-CPT1R-3'	TAGACTAGTCAAACCCGACAACCAAATC	3' primer to cloning AtCPT1 into pESC-URA vector
pESC-LEW1F-5'	TAGAGGATCCTATGGATTTCGAATCAATCGATGC	5' primer to cloning LEW1 into pESC-URA vector
pESC-LEW1R-3'	CGTTGTCGACTTAAGTTCCATAGTTTTGGTGG	3' primer to cloning LEW1 into pESC-URA vector