

S4 Table. Primers used for qPCR.

Locus	Primer Name	Primer Sequence (5' → 3')	Conc. each (μM)	Efficiency (%)	Amplicon Size (bp)		Comment	Reference
					cDNA	gDNA		
At1g02410	<i>COX11</i> F <i>COX11</i> R	GATTGACATGCCGGTCTTCT TGGTTTCTTGAAGTGGAACAGA	0.33	102.6	164	N/A	spans exon/exon	(Radin et al., 2015)
At1g13320	<i>PP2A</i> F <i>PP2A</i> R	CCTGCGGTAATAACTGCATCT CTTCACTTAGCTCCACCAAGCA	0.33	95.5	142	356	spans 2 introns	(Czechowski et al., 2005)
At3g18780	<i>ACT2</i> F <i>ACT2</i> R	GGTAACATTGTGCTCAGTGGTGG AACGACCTTAATCTTCATGCTGC	0.33	100.5	108	108	spans no introns	(Czechowski et al., 2005)
At3g22370	<i>AOX1a</i> F <i>AOX1a</i> R	GGAGGCTTCCTGCTGATGCGACA AGCTGGAGCTTCCTTTAGTTCACGACC	0.16	102.7	134	214	spans 1 intron	(Radin et al., 2015)
At3g08950	<i>HCC1</i> F <i>HCC1</i> R	GGCCCGATCTTACCGGGTTT CAACGCCGTCTGTCAACGAG	0.25	99.8	158	391	spans 1 intron	(Radin et al., 2015)
At4g23290	<i>CRK21</i> F <i>CRK21</i> R	TCGTCCAAGCATGTCCACAA CTCTCGGCTAATGGGTTTCGG	0.5	101.1	120	120	spans no introns	This work
At3g15640	<i>COX5b-1</i> F <i>COX5b-1</i> R	GACAAGCGAATTGTGGGCTG AGTACTGAGTGCAAACCGGG	0.25	104.3	112	238	spans 1 intron	(Radin et al., 2015)
At4g39740	<i>HCC2</i> F <i>HCC2</i> R	CGGATGTTGGACCTGAGCA TTGCACTTGCAGTCCCGGTTA	0.25	97.0	189	379	spans 2 introns	This work

The optimal final primer concentrations (conc.) and primer pair efficiencies were experimentally determined. The amplicon size of the cDNA and of the potential contamination genomic DNA (gDNA) are given. F = forward, R = reverse, N/A = not applicable.

Czechowski T, Stitt M, Altmann T, Udvardi MK, Scheible WRR. Genome-wide identification and testing of superior reference genes for transcript normalization in *Arabidopsis*. *Plant Physiology*. 2005;139: 5-17. doi: 10.1104/pp.105.063743

Radin I, Mansilla N, Rödel G, Steinebrunner I. The Arabidopsis COX11 Homolog is Essential for Cytochrome *c* Oxidase Activity. *Frontier in Plant Science*. 2015;6:1091. doi: 10.3389/fpls.2015.01091