

**Supplementary Table S2.** Real-time PCR primer set (including target gene, primer name, primer sequence, and its source) to assess the expression pattern of the selected genes.

Target gene	Primer name	Primer sequences (5' - 3')	Source
<i>PKS12</i>	PKS12- Fw	TGCTACCAACCACTCAGCAG	[16]
	PKS12- Rv	TTGGGATCAACACCCGCATT	
<i>PKS13</i>	PKS13- Fw	GCCTACGAGGCCATGGAAAT	[16]
	PKS13- Rv	TCGATGTCTTGAGCAGCGTT	
<i>SMR1</i>	SMR1- Fw	CCATTACCCGGTGGTGTTC	[16]
	SMR1- Rv	GCATATCTGCTGGCACATGG	
<i>YGH1</i>	YGH1- Fw	CGAGCAGCTTGTGTCTATCG	[16]
	YGH1- Rv	TTTGGGCTTCCCATGCCTT	
<i>BRN1</i>	BRN1- Fw	GGATCTGGCCAAGGTATCGG	[16]
	BRN1- Rv	ATGTCCCCTGGGACTGCTAT	
	BRN1- Fw	CCGAACCGACATGTACCACA	[16]
	BRN1- Rv	GCGACCAAGTGCAAGCATAC	
<i>BRN2</i>	BRN2- Fw	CCAATATGTCCGGCGTACCA	[16]
	BRN2- Rv	AGCGATACCGTTGCAAGTGA	
<i>SCD1</i>	SCD1- Fw	GACTACACCACCATCGGCAA	[16]
	SCD1- Rv	CGCCGAGAAGATGTTGGGTT	
<i>ZTF1</i>	ZTF1- Fw	TCCCAACAATGCTCGTCGAAT	[16]
	ZTF1- Rv	GGTACGCAGCAGCCATACTC	

ZTF2	ZTF2- Fw	TGTCGAGCTTTGGATGGCTAC	[16]
	ZTF2- Rv	TGAGCCATGCGGTACATCTTA	
NOXA	NOX A- Fw	GAAGGATGGCGTTGGGAACT	Vall-llaura, unpublished
	NOX A- Rv	TGACGAACGACTCGAACGAT	
NOXB	NOX B- Fw	TGGTGCCGGTATTGGTGTTA	Vall-llaura, unpublished
	NOX B- Rv	TCTTGAGCTTCGATTGCGAGT	
NOXR	NOX R- Fw	AGATCCGTGAACGTGACGAC	Vall-llaura, unpublished
	NOX R- Rv	TGATTCGGATCTTCGGCTGG	
PLS1	PLS1-Fw	CATCTGGTTCGGGACGCTC	Vall-llaura, unpublished
	PLS1-Rv	CACCCCGGCATCGTCG	
SOD1	SOD1-Fw	GTGACAACACCAACGGCTGC	This study
	SOD1-Rv	GGACCTCATCGGTGGGAGCAC	
SOD2	SOD2-Fw	GCAACCATCCCCGAAGACAA	This study
	SOD2-Rv	TGTGGGGAGGTTGGAGAATTG	
SOD3	SOD3-Fw	ATCTAGCAGGTTCGCCATTCC	This study
	SOD3-Rv	GACGCAAAGAATTGGCGTGA	
CAT2	CAT2-Fw	ACGCGATGTTTCATGGCTTTG	This study
	CAT2-Rv	CGTCCATGTGACGGAATGAC	
CAT4	CAT4-Fw	CTCATGGGTGATCGCGGTAT	This study
	CAT4-Rv	CGTAGTCGGGTGACTTCTCG	

<i>APX</i>	APX-Fw	CCAGGTCGTCAAGACAAGGA	This study
	APX-Rv	ATCAGTGTGGCAACGACCAA	
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<i>LCC</i>	LCC-Fw	TTCCCTTGGGGATCGTTGAC	This study
	LCC-Rv	AAGTGGCCCTGGATATTGCC	
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<i>EF1-<math>\alpha</math></i>	EF1- $\alpha$ -Fw	CTGAGTACCCACCTCTCGGA	[3]
	EF1- $\alpha$ -Rv	ACCGGCCTTTTCTTGCTTCT	