

Supplementary materials

Table S1 Primers used for qRT-PCR.

Gene	GenBank accession number	Primer Direction	Primer sequence(5'→3)	Length of products
Txnr1	NM_001030762.2	Forward	ACTGGATGACTATGACCGAA	103bp
		Reverse	TATGCATTCTCATACGTGAC	
Txnr2	NM_001122691.1	Forward	CTACACATATTACGGGCGCACT	103bp
		Reverse	ACATAGCTGGCTCCAACAACC	
Txnr3	NM_001122777.1	Forward	CCTGGCAAACGCTAGTTGT	127bp
		Reverse	TCTCTTGGTCAAAGCCTCGAA	
Dio1	NM_001097614.1	Forward	CATGCGAGATAACCGACCT	150bp
		Reverse	ACTGCGTGAGCTTCTTCGAT	
Dio2	NM_204114.3	Forward	CAGTGTAAATCCACATAGCCA	137bp
		Reverse	CTGAGCCAAAATTAACCACC	
Dio3	NM_001122648.1	Forward	GGACACCATGGACAACGCTTC	116bp
		Reverse	TCTTGTAGCCCTCCGGTCTC	
Gpx1	NM_001277853.1	Forward	GCGACTTCCTGCAGCTCAACGA	99bp
		Reverse	CGTTCTCTGGTGCCCGAAT	
Gpx2	NM_001277854.1	Forward	CGAGCCAACTTACCCTGTTC	120bp
		Reverse	GCCATCAGGTGGTCTGCCTCGTC	
Gpx3	NM_001163232.1	Forward	AGGTGGCTTCGTCCCAAC	171bp
		Reverse	TTCCATTTGATGTCGTGGTTCCT	
Gpx4	AF498316.2	Forward	CGGTGAATTACACTCAGCTCGT	123bp
		Reverse	CTTTGATCTGCGCGTCGTC	
Selw	GQ919055.1	Forward	CTCCGCGTCACCGTGCTCT	155bp
		Reverse	CTGCCACCGTCACCTCGAAC	
Selt	NM_001006557.3	Forward	TCATAGCCCCATCTATCAGCAC	139bp
		Reverse	AACGTGACTGCAAGAGAAGCATC C	
Sel15	NM_001012926.2	Forward	TGACAAGCCTAAGCTCT	92bp
		Reverse	CAATGTTCCCACTGTCGTC	
Sepp1	NM_001031609.2	Forward	CTAGTGATACTTGTGCCTC	92bp
		Reverse	CACGTATGAGATGTTGACCAG	
Sepp2	XM_003641687.2	Forward	AAGGACTTCTGCGGAACTGCTC	107bp
		Reverse	TTCTCTCTGTTGGGAAGCG	
Sels	NM_001024734.2	Forward	CACCTCATCAGCAGTCCCGAA	141bp
		Reverse	TAGCCTCATCCACCCGCAGA	
Selk	NM_001025441.2	Forward	CTGAGGAGAAGAGGCTACACATC	97bp
		Reverse	GATTTATTCTGCCATTCTACGG	
Seln	NM_001114972.1	Forward	TTTACGGTTACATCGTCCT	144bp
		Reverse	ACCTATATCCACCTCCATGTTGC	
Selx1	NM_001135558.2	Forward	CCAAATACGAGCACTCATCCCC	112bp

		Reverse	CACTTGCCACAGGACACCTT	
SELo	NM_001115017.1	Forward	GCTCAGAATGCCATAGAAGC	119bp
		Reverse	TCTTTGTCTCCATCTCCGTG	
Selu	NM_001193518.1	Forward	CTTTCAGGCTTCTTCCGCATT	120bp
		Reverse	TGCTCCAATCACATACTCC	
Seli	NM_001031528.2	Forward	GTTTGCACCCAGCAGCGAAA	99bp
		Reverse	CTCAGTTGGCTCACCACGAC	
Selm	NM_001277859.1	Forward	CTTCGTCAGCCAGGACATCCC	101bp
		Reverse	GCTCCTCGTATCTGAAGCTAAGCA	
Selh	NM_001277865.1	Forward	CCCTGGCCGTAGAGATCAACC	138bp
		Reverse	GCTCGGGAACTTCAGCTTG	
GAPDH	K01458	Forward	AGAACATCATCCAGCGT	182bp
		Reverse	AGCCTTCACTACCCTCTTG	
Beta-actin	L08165	Forward	CCGCTCTATGAAGGCTACGC	128bp
		Reverse	CTCTCGGCTGTGGTGGTGAA	