

Online Supporting Material

Supplemental Table 1 Primers used for the Q-PCR of the target and reference genes

Protein	Gene	Accession number	Primer sequence (from 5' to 3')
<b>Selenoprotein genes</b>			
DIO1	<i>DIO1</i>	NM_007860.3	F: AAGCAAGAGGCAGGCATGTT R: CGGCCAGAAAAGTGTTTCCA
DIO2	<i>DIO2</i>	NM_010050.2	F: GGAATGTTGGCCAGTTTTGTTT R: TGGTTACATGGGCTGGTGAGT
DIO3	<i>DIO3</i>	NM_172119.2	F: AGGTGTCTGAGTTGCGCACTT R: TGCCTAGTACCATGCAACTGT
GPX1	<i>GPX1</i>	NM_008160.6	F: AGGCTCACCCGCTCTTTACC R: GGGTCGTCACTGGGTGTTG
GPX2	<i>GPX2</i>	NM_030677.2	F: TGTGACGTCAATGGGCAGAA R: AGGGCAGCTTGTCTTTCAGGTA
GPX3	<i>GPX3</i>	NM_008161.3	F: ACAGGAGCCAGGCGAGAA R: CCACCTGGTCGAACATACTTGA
GPX4	<i>GPX4</i>	NM_001037741.3	F: GCCGGCTACAACGTCAAGTT R: GGCATCGTCCCCATTTACAC
MSRB1	<i>MSRB1</i>	AF195142.1	F: CAGCCTCAGTCACCGAATGA R: ACCACCCTGGCTGGCATA
SEP15	<i>SELENOF</i>	NM_053102.2	F: TGGACGACAACGGGAACAT R: CCACACTGTCTGTGTTCCACTTG
SELH	<i>SELENOH</i>	NM_001033166.2	F: ATTCCCGGCTGCTGGTTT R: GGC GCGTTGGTGAATAA
SELI	<i>SELENOI</i>	NM_027652.2	F: GCTTTGGGAGCAGTGTGCTAT R: AGCTCTGCTCCAGCAAGATCA
SELK	<i>SELENOK</i>	NM_019979.2	F: GGGTAGGATCAGTCACCTTCGT R: TTCCTCATCCACCAGCCATT
SELM	<i>SELENOM</i>	NM_053267.2	F: GGAGACCTGTGGAGGATGACA

			R: TCGGTGACAAAGGCCTTCAC
SEPN1	<i>SELENON</i>	NM_029100.2	F: ACCGGATGGCCACCAGTT
			R: GGTCAGCCGTTCAAGCTGTT
SELO	<i>SELENOO</i>	NM_027905.2	F: CCCAGGTATGCAAGTGGA
			R: AGTGGCAGTTCAGGCTCCAA
SELP	<i>SELENOP</i>	X99807.1	F: CAGGGTCTGCAATTGCTTGA
			R: GAAAAGCCCCTGTCAGCTACA
SEPS1	<i>SELENOS</i>	NM_024439.3	F: TGTAAAGCGGCAAGAGGCTTT
			R: GGGCATTAGATCTTCCTGCAT
SELT	<i>SELENOT</i>	NM_001040396.2	F: TGCACTCGCATTTCGTGACA
			R: ACTGGAGCTCACCGCATTG
SELV	<i>SELENOV</i>	NM_175033.3	F: GCTGCTAGCGCTCTCTGAAG
			R: GTGGATCGAGGGTTTCTGATTT
SEPW1	<i>SELENOW</i>	AF015284	F: GCCGTTGAGTCGTGTATTGT
			R: TCTCCTTGAGCTGGAGGTA
SPS2	<i>SEPHS2</i>	NM_009266.3	F: CGTTGGCATCGTGGAGAAG
			R: CGCGAGGCTTGCAATGAT
TRXR1	<i>TXNRD1</i>	BC037643.1	F: CACAAACAGCGAGGAGACCAT
			R: TTCCTACCGCCAGCAACT
TRXR2	<i>TXNRD2</i>	NM_013711.3	F: GTTCACGGTGGCGGATAGG
			R: GCTCCCTCATGCATACCATCTT
TRXR3	<i>TXNRD3</i>	C076605.1	F: GGGACATACTGGACGGCAAA
			R: TAGCAGCTTGCCCTGCCTGTA

### **inflammation-related genes**

COX-2	<i>COX-2</i>	NM_011198.4	F: TGCCTCCCCTCCAGACTAGA
			R: CAGCTCAGTTGAACGCCTTTT
ICAM-1	<i>ICAM-1</i>	NM_010493.3	F: GGGACCACGGAGCCAATT
			R: CTTGCGGCCTGAGATCCA
IL-1 $\beta$	<i>IL-1<math>\beta</math></i>	NM_008361.4	F: GGTGTGTGACGTTCCCATTAGA

			R: CGAGGCTTTTTTGTGTTTCATCT
IL-6	<i>IL-6</i>	NM_031168.2	F: AACACGGCCTTCCCTACTT
			R: TTGGGAGTGGTATCCTCTGTGA
IL-10	<i>IL-10</i>	NM_010548.2	F: GATGCCCCAGGCAGAGAA
			R: CACCCAGGGAATTCAAATGC
iNOS	<i>iNOS</i>	AY090567.1	F: GGATCTTCCCAGGCAACCA
			R: TCCACAACCTCGCTCCAAGATT
MCP-1	<i>MCP-1</i>	NM_011333	F: CCTGGATCGGAACCAAATGA
			R: ACCTTAGGGCAGATGCAGTTTTA
TNF- $\alpha$	<i>TNF-<math>\alpha</math></i>	NM_013693.3	F: TCATGCACCACCATCAAGGA
			R: GACATTCGAGGCTCCAGTGAA

**Housekeeping control genes**

$\beta$ -ACTIN	<i><math>\beta</math>-ACTIN</i>	NM_007393.5	F: ACCAGTTCGCCATGGATGAC
			R: TGCCGGAGCCGTTGTC
GAPDH	<i>GAPDH</i>	GU214026.1	F: AGGCCGGTGCTGAGTATGTC
			R: TGCCTGCTTCACCACCTTCT

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