

Supplementary Table S1: Primer sequences for promoter amplification from human cDNA

Gene name	Primer sequence (5' → 3')
hSEPP1	fwd AGATATGGGACCCCAAAGG rev AGTCCTGTTGTTTACCTCACC
hDIO1	fwd CCGCCTCTGGACTTCATTTA rev CTCGGCAAAGCCAGAGTAAG
hGPX2	fwd TTAGCAGATGTCCTGCGATG rev CCCACCTGTAAGTGCTGTT
hGPX4	fwd AAGAAAACCCTCCAGACTTGTG rev AGAGCGCTCATTGGTCAGA

Supplementary Table S2: Primer sequences qRT-PCR

Gene name	Primer sequence (5' → 3')
hHPRT	fwd TGACACTGGGAAAACAATGCA rev GGCCTTTTCACCAGCAAGCT
hCP	fwd ACGGCCATAGCTTCCAATACAA rev AGTTGTATGCTTCCAGTCTTCT
hSEPP1	fwd TATGATAGATGTGGCCGTCTTG rev TGTGATGATGCTCATCATGGTA
hSELS	fwd CTGCGCTTCCTGCACACCAC rev CATCAGGTTCCACAGCAGCCG
hDIO1	fwd GGTGCAACATTTGGGAGTTTAT rev TGGTGATTTTCTGATCTCCATGT
hGPX1	fwd GGGCAAGGTACTACTTATCGAG rev TTCAGAATCTCTTCGTTCTTGG
hGPX2	fwd CCAATTTGGACATCAGGAGAA rev CTCAAAGTTCCAGGCCACAT
hGPX4	fwd GCTGTGGAAGTGGATGAAGA rev CTAGAAATAGTGGGGCAGGTC

Supplementary Table S3: qRT-PCR results (average C_t-values)

Gene name	control	IL-6
hHPRT	23.9	23.8
hCP	18.7	16.6
hSEPP1	15.0	16.0
hSELS	22.1	21.8
hDIO1	23.2	25.0
hGPX1	27.8	27.4
hGPX2	18.9	17.9
hGPX4	18.4	19.4