

Table S1: The ready-made assay probe sequences applied in the present study

Genes	No	polymorphism	Probe sequence	Reference sequence (rs) Assay ID
<i>GST</i>	1	GSTM1 [C/T]	GTATATTTGAGCCCAAGTGCTTGGGA[C/T]GCCTTCCCAAATCTGAAGGACTTCA	rs1056806 C_175674977_10
	2	GSTT1 [A/C]	CTTCTTGAGGGGGTTCACCTGGGCA[A/C]AGGCATCGCTTAAGTGCTGACCTGG	rs17856199 C_11214581_10
	3	GSTP1 [A/G]	CGTGGAGGACCTCCGCTGCAAATAC[A/G]TCTCCCTCATCTACACCAACTATGT	rs1695 C__3237198_20
	4	MGST3 [C/T]	GACCCTGAGTGCAGGTTCCAGACGTC[C/T]AGAGGAAATGACTTGATGGTACGGA	rs2065942 C_11214581_10
<i>SOD</i>	5	SOD1 [A/C]	ATGCTTAACTCTTGTAATAATGGCG[A/C]TAGCTTTCTGGAGTTCATATGGTAT	rs2234694 C_34770911_10
	6	SOD2 [A/G]	CTGCCTGGAGCCCAGATACCCCAA[A/G]CCGGAGCCAGCTGCCTGCTGGTGCT	rs4880 C__8709053_10
	7	SOD3 [A/G]	CATGCAGCGGCGGGACGACGACGGC[A/G]CGCTCCACGCCCTGCCAGGTGCA	rs2536512 C__2668728_10
<i>CAT</i>	8	CAT [A/T]	TTGGCTGAGCCTGAAGTCGCCACGG[A/T]CTCGGGGCAACAGGCAGATTTGCCT	rs7943316 C__1883210_10
<i>GPX</i>	9	GPX1 [G/A]	CAGCGGAGCGCCCCGAACAAGCACT[G/A]TAAGGGGAGGCCAGCAGGCGCCTCC	rs1800668 C__7912052_40
	10	GPX4 [C/T]	CCGCCCCGAGCCCCTGCCACGCCCT[C/T]GGAGCCTTCCACCGGCACTCATGAC	rs713041 C__2561693_20
<i>NOS</i>	11	nNOS/NOS2 [A/G]	GTTGAGCTCTTTCAGCATGAAGAGC[A/G]ATTTCTTCAGTTTCTAGAAAGAGAG	rs2297518 C_11889257_10
	12	eNOS/NOS3 [G/T]	CCCTGCTGCTGCAGGCCCCAGATGA[G/T]CCCCAGAACTCTTCTTCTGCCCC	rs1799983 C__3219460_20

Data source: Thermo Fisher Scientific, Applied Biosystems, USA.