

Table S1. RT² Profiler™ PCR Array Human Oxidative Stress Plus, PAHS-065Y, Qiagen

<p>Endogenous antioxidant systems</p> <p><i>Glutathione peroxidases:</i> GPX1, GPX2, GPX3, GPX4, GPX5, GSTP1, GSTZ1.</p> <p><i>Peroxiredoxins:</i> PRDX1, PRDX2, PRDX3, PRDX4, PRDX5, PRDX6 (AOP2).</p> <p><i>Other peroxidases:</i> CAT, CYBB, CYGB, DUOX1, DUOX2, EPX, LPO, MPO, PTGS1, PTGS2 (COX2), TPO, TTN.</p> <p><i>Other antioxidants:</i> ALB, APOE, GSR, MT3, SELENOS, SOD1, SOD3, SRXN1, TXNRD1, TXNRD2.</p>	<p>Metabolism of reactive oxygen species</p> <p><i>Superoxide dismutases:</i> SOD1, SOD2, SOD3.</p> <p><i>Other genes involved in superoxide metabolism:</i> ALOX12, CCS, DUOX1, DUOX2, MT3, NCF1, NCF2, NOS2 (iNOS), NOX4, NOX5, UCP2.</p> <p><i>Other genes involved in ROS metabolism:</i> AOX1, BNIP3, EPHX2, MPV17, SFTPD.</p> <p><i>Oxygen transporters:</i> CYGB, MB.</p>
<p>Oxidative stress responsive genes</p> <p>APOE, ATOX1, CAT, CCL5 (RANTES), CYGB, DHCR24, DUOX1, DUOX2, DUSP1 (PTPN16), EPX, FOXM1, FTH1, GCLC, GCLM, GPX1, GPX2, GPX3, GPX4, GPX5, GSR, GSS, HMOX1, HSPA1A, KRT1, LPO, MBL2, MPO, MSRA, NQO1, NUDT1, PDLIM1, PRDX2, PRDX5, PRDX6 (AOP2), PRNP, RNF7, VIMP, SELENOP, SIRT2, SOD1, SOD2, SQSTM1, SRXN1, TPO, TTN, TXN, TXNRD1, TXNRD2.</p>	
<p>Pathway activity signature genes</p> <p>AKR1C2, BAG2, FHL2, GCLM, GLA, HMOX1, HSP90AA1, LHPP, NCOA7, NQO1, PTGR1, SLC7A11, SPINK1, TRAPPC6A, TXN, TXNRD1.</p>	