

Human Cellular Stress Responses PCR Array

Antioxidant and Pro-Oxidant Enzymes: ACADSB, CAT, GPX1, GPX2, SOD1, SOD2, SOD3, XDH.

Molecular Chaperones:

Heat Shock Proteins: CRYAA, CRYAB, DNAJA1, DNAJA2, DNAJA3, DNAJA4, DNAJB1, DNAJB11, DNAJB12, DNAJB2, DNAJB4, DNAJB5, DNAJB6, DNAJB9, DNAJC1, DNAJC4, DNAJC5, DNAJC6, DNAJC7, DNAJC8, DNAJC9, HMOX1, HMOX2, HSPA12A, HSPA1A, HSPA1L, HSPA2, HSPA4 (HSP70), HSPA5 (GRP78), HSPA8, HSPA9, HSPB1 (HSP27), HSPB2, HSPB3, HSPD1, HSPE1, SERPINH1 (HSP47).

Other Molecular Chaperones: BAG1, CALR, CANX, CCT2, CCT3, CCT4, CCT5, CCT7, CCT8, CLU, HOPX, PPID, ST13, TCP1.

Xenobiotic Metabolism:

Cytochrome P450s: CYP11A1, CYP17A1, CYP1A1, CYP1A2, CYP1B1, CYP11B2, CYP2C19, CYP2C9, CYP2D6, CYP2E1, CYP3A4, CYP2F1, CYP4A11, CYP4B1, CYP7A1, CYP7B1.

Other Genes Related to Xenobiotic Metabolism: CES1, EPHX2, FMO1, FMO4, FMO5, GSR, GSTA1, GSTA5, GSTM5.