

Human Pain: Neuropathic & Inflammatory PCR Array

Conduction of Pain:

Ion Channels: TRPA1, TRPV1, TRPV3.

Sodium Channels: SCN10A, SCN11A, SCN3A, SCN9A, SLC6A2.

Potassium Channels: KCNIP3, KCNJ6, KCNQ2, KCNQ3.

Purinergic Receptors: ADORA1, P2RX3, P2RX4, P2RX7, P2RY1.

Opioid Receptors: OPRD1, OPRK1, OPRM1.

Cannabinoid Receptors: CNR1, CNR2.

Synaptic Transmission:

Glutamate Receptors: GRIN1, GRIN2B, GRM1, GRM5.

Serotonin Receptors: HTR1A, HTR2A.

Calcium Channel: CACNA1B.

Modulation of Pain Responses:

Eicosanoid Metabolism: PLA2G1B, PTGER1, PTGER3, PTGER4, PTGES, PTGES2, PTGES3, PTGS1.

Inflammation: ACE, ALOX5, BDKRB1, CALCA, CCK, CCKBR, CCL2, CCR2, CD200, CD4, CHRNA4, CSF1, CX3CR1, DBH, EDN1, EDNRA, FAAH, GCH1, IL10, IL18, IL1A, IL1B, IL2, IL6, ITGAM, ITGB2, MAPK1, MAPK14, MAPK3, MAPK8, PENK, PNOC, PROK2, TAC1, TACR1, TLR2, TLR4, TNF.

Neurotransmitters: ADRB2, COMT, DBH, MAOB, PDYN, PENK, PNOC.

Neurotrophins: BDNF, GDNF, NGF, NTRK1.

, PTGS2.