

Human NFκB Signaling Targets PCR Array

Cytokines & Chemokines: CCL11, CCL2 (MCP-1), CCL22 (MDC), CCL5 (RANTES), CSF1 (MCSF), CSF2 (GM-CSF), CSF3 (GCSF), CXCL1, CXCL10 (INP10), CXCL2, CXCL9 (MIG), FASLG (TNFSF6), IFNB1, IFNG, IL12B, IL15, IL1A, IL1B, IL1RN, IL2, IL4, IL6, IL8, LTA (TNFB), LTB, TNF, TNFSF10 (TRAIL).

Inflammation:

Acute: C3, CCL5 (RANTES), CFB (BF), F3, F8, IL1A, IL1B, IL6, INS, STAT3, STAT5B.

Other Inflammatory Genes: AGT, AKT1, CCL11, CCL2 (MCP-1), CCL22 (MDC), CCR5, CD40 (TNFRSF5), CXCL1, CXCL10 (INP10), CXCL2, CXCL9 (MIG), IL15, IL1RN, IL2, IL2RA (CD25), IL8, MYD88, PTGS2 (COX-2), SELE, SELP, TNF, TNFRSF1B.

Apoptosis: AGT, BIRC2 (c-IAP2), EGFR, FASLG (TNFSF6), GADD45B, IFNB1, IFNG, IL12B, IL2RA (CD25), IL4, INS, LTA (TNFB), MAP2K6 (MEK6), MMP9 (Gelatinase B), NQO1, NR4A2 (NUR77), PTGS2 (COX-2), STAT1, TNFRSF1B, TNFSF10 (TRAIL), TP53, TRAF2.

Anti-Apoptosis: ADM, AKT1, BCL2A1 (BFL-1/A1), BCL2L1 (BCL-X), BIRC3 (c-IAP1), CCL2 (MCP-1), CDKN1A (p21CIP1/WAF1), CSF2 (GM-CSF), F3, FAS (TNFRSF6), IL1A, IL1B, IL2, IL6, MYD88, NFKBIA (IκBa/MAD3), SOD2, STAT5B, TNF, XIAP.

Immune Response:

Innate: C3, CCL2 (MCP-1), CFB (BF), IFNB1, IL12B, IL6, INS, MYD88, NFKBIA (IκBa/MAD3), STAT5B, TNF.

Adaptive: C3, CCL2 (MCP-1), CD40 (TNFRSF5), CD80, ICAM1, IFNG, IL12B, IL1B, IL2, IL4, TRAF2.

Other Immunity-Related Genes: CD83, FAS (TNFRSF6), FASLG (TNFSF6), IL1R2, IL8, LTA (TNFB), LTB, TNFSF10 (TRAIL).

Type I Interferon-Responsive Genes: ADM, CCL2 (MCP-1), CCL5 (RANTES), CD69, CD80, CDKN1A (p21CIP1/WAF1), CFB (BF), CXCL10 (INP10), CXCL9 (MIG), IL15, IL1RN, IRF1, MYD88, NCOA3, STAT1, TNFSF10 (TRAIL).

Development & Differentiation:

Lymphoid: CD80, CD83, IL12B, IL15, IL2, IL2RA (CD25), IL4, IRF1, STAT5B, TP53, VCAM1.

Myeloid: CCL5 (RANTES), CSF1 (MCSF), CSF2 (GM-CSF), CSF2RB, CSF3 (GCSF), IL4, MMP9 (Gelatinase B), NFKBIA (IκBa/MAD3), STAT5B, TNF.

Nervous System: AGT, ALDH3A2, CXCL1, EGFR, EGR2, IFNG, NR4A2 (NUR77), SNAP25, SOD2, STAT3, TP53.

Stress Response: ADM, AKT1, BCL2L1 (BCL-X), BIRC2 (c-IAP2), CCND1, CDKN1A (p21CIP1/WAF1), GADD45B, IFNG, IL1A, IL1B, MAP2K6 (MEK6), NQO1, PDGFB, PLA1 (uPA), SOD2, TNF, TP53, XIAP.

NFkB Pathway:

NFkB Signaling: NFkB1, NFkB2, REL, RELA, RELB.

Others: EGR2, IRF1, MYC, NR4A2 (NUR77), STAT1, STAT3, STAT5B, TP53.