

## Human Inflammasomes PCR Array

### Inflammasomes:

AIM2: AIM2, CASP1 (ICE), PYCARD (ASC).

IPAF: CASP1, NAIP, NLRC4 (IPAF), PYCARD (ASC).

NLRP1: CASP1 (ICE), CASP5, NLRP1.

NLRP3: CASP1 (ICE), NLRP3, PYCARD (ASC).

Negative Regulation: BCL2, BCL2L1 (BCL-X), CARD18 (ICEBERG), CD40LG (TNFSF5), CTSB, HSP90AA1, HSP90AB1, HSP90B1 (TRA1), MEFV, PSTPIP1, PYDC1 (POP1), SUGT1, TNF, TNFSF11, TNFSF14, TNFSF4 (OX40L).

Downstream Signaling: IFNG, IL12A, IL12B, IL18, IL1B, IL33, IRAK1, IRF1, MYD88, P2RX7, PANX1, PTGS2 (COX2), RAGE, RIPK2, TIRAP, TXNIP.

### NOD-Like Receptors:

Receptors: CIITA, NAIP (BIRC1), NLRC4 (IPAF), NLRC5, NLRP1, NLRP12, NLRP3, NLRP4, NLRP5, NLRP6, NLRP9, NLRX1, NOD1 (CARD4), NOD2.

Downstream Signaling: BIRC2 (c-IAP2), BIRC3 (c-IAP1), CARD6, CASP8 (FLICE), CCL2 (MCP-1), CCL5 (RANTES), CCL7 (MCP-3), CFLAR (CASPER), CHUK (IKK $\alpha$ ), CXCL1, CXCL2, FADD, IFNB1, IKBKB, IKBKG, IL6, IRF1, IRF2, MAP3K7 (TAK1), MAPK1 (ERK2), MAPK11, MAPK12, MAPK13, MAPK3 (ERK1), MAPK8 (JNK1), MAPK9 (JNK2), NFKB1, NFKBIA (I $\kappa$ Ba/MAD3), NFKBIB (TRIP9), PEA15, RELA, RIPK2, SUGT1, TAB1 (MAP3K7IP1), TAB2 (MAP3K7IP2), TNF, TRAF6, XIAP.

**Pro-Inflammatory Caspases**: CASP1 (ICE), CASP5.