

Human Multiple Sclerosis PCR Array
Myelination: CD9, HEXB, IFNG, MAL, MBP, NTF3, PLP1, PMP22, SOD1, TGFB1.
T Cell Activation/Signaling: APC, CD28, CD4, EGR1, FOXP3, ICAM1, IFNG, IL10, IL18, IL1B, IL2RA, IL6, IL6ST (GP130), MAPK1 (ERK2), SOD1, TGFB1, VCAM1.
Adaptive Immunity: C1S, CD40 (TNFRSF5), FOXP3, ICAM1, IFNG, IL10, IL18, IL1B, IL6ST (GP130), TGFB1, VEGFA.
Cytokine/Chemokine: CCL2 (MCP-1), CCL3 (MIP-1A), CCL5 (RANTES), CCL7 (MCP-3), CSF1 (MCSF), CXCL10 (INP10), CXCL11 (I-TAC/IP-9), CXCL9 (MIG), FASLG (TNFSF6), IFNG, IL10, IL18, IL1B, IL6, LTA (TNFB), TGFB2, TNF, VEGFA.
Inflammation:
<u>Regulation:</u> CCL5 (RANTES), EDNRA, GPX1, IL6, IL6ST (GP130), JAK2, TNFRSF1A.
<u>Response:</u> C1S, CCL2 (MCP-1), CCL3 (MIP-1A), CCL7 (MCP-3), CCR1, CCR5, CD40 (TNFRSF5), CD44, CXCL10 (INP10), CXCL11 (I-TAC/IP-9), CXCL9 (MIG), FN1, HIF1A, IL10, IL13, IL1B, IL2RA, ITGB2, NFKB1, STAT3, TGFB1, TNF, TNFRSF1B.
Apoptosis:
<u>Neuronal:</u> AKT1S1, BAX, BCL2, BCL2L1 (BCL-X), ERBB3, GPX1, JAK2, JUN, NTF3, SOD1, TGFB2, TNF.
<u>General:</u> IL10, MAPK1 (ERK2), TNFRSF1B, IL6ST (GP130), HDAC1, RAF1, APC, APP, CCL2 (MCP-1), CD28, FASLG (TNFSF6), IFNG, IL1B, IL2RA, IL6, ITGB2, MMP9 (Gelatinase B), NFKB1, TGFB1, TNFRSF1A, ADM, CD44, LTA (TNFB), MAL, VEGFA.
Cell Adhesion: APC, APP, BCL2, CCL2 (MCP-1), CCL5 (RANTES), CCR1, CD4, CD44, CD9, CSF1 (MCSF), CXCR3, ERBB3, EZR, FN1, ICAM1, IL18, IL1B, ITGB2, JAK2, MAG, MAP2K1 (MEK1), TGFB1, TGFB2, TNF, VCAM1.
Cellular Stress: ADM, BCL2, GPX1, HIF1A, IFNG, IL1B, JAK2, JUN, PTPN11, SOD1, TGFB2, TNF.
Receptors: CCR1, CCR5, CD28, CD4, CD40 (TNFRSF5), CD44, CXCR3, EDNRA, EPHA1, HLA-DRB1, ICAM1, IL2RA, IL6ST (GP130), ITGB2, NR2F1, TNFRSF1A, TNFRSF1B.
Transcription Factors: EGR1, FOXP3, HDAC1, HIF1A, JUN, MYC, NFKB1, NR2F1, STAT3.
Others: ASPA, EDC4, GFAP, GNAI2, GRB2, JAK1, PHGDH, RANGAP1, TOP1, TUBB4, YWHAH.