```
GSE36009_WT_VS_NLRP10_KO_DC_DN, GSE36009_WT_VS_NLRP10_KO_DC_DN
                                                                                      GSE36891 UNSTIM VS PAM TLR2 STIM PERITONEAL MACROPHAGE UP, GSE36891 UNSTIM VS PAM TLR2 STIM PERITONEAL MACROPHAGE UP
                                                                                      GSE17721_4H_VS_24H_POLYIC_BMDC_DN, GSE17721_4H_VS_24H_POLYIC_BMDC_DN
                                                                                      GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN, GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN
                                                                                      GSE20754_WT_VS_TCF1_KO_MEMORY_CD8_TCELL_UP, GSE20754_WT_VS_TCF1_KO_MEMORY_CD8_TCELL_UP
                                                                                      GSE42724_MEMORY_VS_B1_BCELL_UP, GSE42724_MEMORY_VS_B1_BCELL_UP
                                                                                      GSE46606 IRF4 KO VS WT CD40L IL2 IL5 3DAY STIMULATED BCELL DN, GSE46606 IRF4 KO VS WT CD40L IL2 IL5 3DAY STIMULATED BCELL DN
                                                                                      GSE17721_CTRL_VS_CPG_0.5H_BMDC_UP, GSE17721_CTRL_VS_CPG_0.5H_BMDC_UP
                                                                                      GSE9037_CTRL_VS_LPS_1H_STIM_IRAK4_KO_BMDM_UP, GSE9037_CTRL_VS_LPS_1H_STIM_IRAK4_KO_BMDM_UP
                                                                                      GSE17301_CTRL_VS_48H_ACD3_ACD28_IFNA2_STIM_CD8_TCELL_UP, GSE17301_CTRL_VS_48H_ACD3_ACD28_IFNA2_STIM_CD8_TCELL_UP
                                                                                      GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN, GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN
                                                                                      GSE27896_HDAC6_KO_VS_WT_TREG_UP, GSE27896_HDAC6_KO_VS_WT_TREG_UP
                                                                                      GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN, GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN
                                                                                      GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_UP, GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_UP
                                                                                      GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_DN, GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_DN
                                                                                      GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_UP, GSE15330_HSC_VS_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_UP
                                                                                      GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_HET_MACROPHAGE_UP, GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_HET_MACROPHAGE_UP
                                                                                      GSE17721_CTRL_VS_GARDIQUIMOD_12H_BMDC_DN, GSE17721_CTRL_VS_GARDIQUIMOD_12H_BMDC_DN
                                                                                      GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_6H_UP, GSE2770_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_6H_UP
                                                                                      GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_AST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_AST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_AST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_AST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_AST_CELL_DN, GSE1988_ADENOSINE_A3R_ACT_VS_TCELL_AST_CELL_AST_CELL_AST_CELL_AST_CELL_AST_CELL_AST_CELL_AST_CELL_AST_CELL_AST_CELL_AST
                                                                                      GSE17721_CTRL_VS_PAM3CSK4_6H_BMDC_DN, GSE17721_CTRL_VS_PAM3CSK4_6H_BMDC_DN
                                                                                      GSE40274_CTRL_VS_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_GATA1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                      GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP, GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP
                                                                                      MORF_SS18, MORF_SS18
                                                                                      GSE9946_MATURE_STIMULATORY_VS_LISTERIA_INF_MATURE_DC_UP, GSE9946_MATURE_STIMULATORY_VS_LISTERIA_INF_MATURE_DC_UP
                                                                                      GSE27786 BCELL VS NEUTROPHIL DN, GSE27786 BCELL VS NEUTROPHIL DN
                                                                                      GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP, GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP
                                                                                      MIR548AU_3P, MIR548AU_3P
                                                                                      MIR4802_3P, MIR4802_3P
                                                                                      GOMF_RNA_METHYLTRANSFERASE_ACTIVITY, GOMF_RNA_METHYLTRANSFERASE_ACTIVITY
                                                                                      MIR187_5P, MIR187_5P
                                                                                      TTGGGAG_MIR150, TTGGGAG_MIR150
                                                                                      GSE17721_CTRL_VS_CPG_2H_BMDC_DN, GSE17721_CTRL_VS_CPG_2H_BMDC_DN
                                                                                      GGCAGTG_MIR3243P, GGCAGTG_MIR3243P
                                                                                      MIR330_5P, MIR330_5P
                                                                                      MIR6868_5P, MIR6868_5P
                                                                                      GSE9037_CTRL_VS_LPS_1H_STIM_BMDM_DN, GSE9037_CTRL_VS_LPS_1H_STIM_BMDM_DN
                                                                                      AAACCAC_MIR140, AAACCAC_MIR140
                                                                                      MIR4772_3P, MIR4772_3P
                                                                                      MIR4784, MIR4784
                                                                                      GSE27092_WT_VS_HDAC7_PHOSPHO_DEFICIENT_CD8_TCELL_UP, GSE27092_WT_VS_HDAC7_PHOSPHO_DEFICIENT_CD8_TCELL_UP
                                                                                      MIR1183, MIR1183
                                                                                      MIR3150B_3P, MIR3150B_3P
                                                                                      MIR30C_2_3P, MIR30C_2_3P
                                                                                      GOBP REGULATION OF PH, GOBP REGULATION OF PH
                                                                                      DIRMEIER_LMP1_RESPONSE_LATE_UP, DIRMEIER_LMP1_RESPONSE_LATE_UP
                                                                                      MIR30C_1_3P, MIR30C_1_3P
                                                                                      MIR6788_5P, MIR6788_5P
                                                                                      MIR4639_3P, MIR4639_3P
                                                                                      MIR140_5P, MIR140_5P
                                                                                      GGCKCATGS_UNKNOWN, GGCKCATGS_UNKNOWN
                                                                                      MIR6134, MIR6134
                                                                                      MIR4450, MIR4450
                                                                                      GSE360_L_MAJOR_VS_T_GONDII_MAC_UP, GSE360_L_MAJOR_VS_T_GONDII_MAC_UP
                                                                                      RODRIGUES_THYROID_CARCINOMA_DN, RODRIGUES_THYROID_CARCINOMA_DN
                                                                                      GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IFNG_TNF_TREATED_MACROPHAGE_UP, GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IFNG_TNF_TREATED_MACROPHAGE_UP
                                                                                      KRAS.DF.V1_DN, KRAS.DF.V1_DN
                                                                                      BILD_SRC_ONCOGENIC_SIGNATURE, BILD_SRC_ONCOGENIC_SIGNATURE
                                                                                      FAELT_B_CLL_WITH_VH3_21_DN, FAELT_B_CLL_WITH_VH3_21_DN
                                                                                      GOBP_REGULATION_OF_HISTONE_METHYLATION, GOBP_REGULATION_OF_HISTONE_METHYLATION
                                                                                      MIR4656, MIR4656
                                                                                      MIR634, MIR634
                                                                                      RTTTNNNYTGGM_UNKNOWN, RTTTNNNYTGGM_UNKNOWN
                                                                                      GROSS_HYPOXIA_VIA_HIF1A_DN, GROSS_HYPOXIA_VIA_HIF1A_DN
                                                                                      GOMF_SMAD_BINDING, GOMF_SMAD_BINDING
                                                                                      MIR6829_5P, MIR6829_5P
                                                                                      GOBP_POSITIVE_REGULATION_OF_MRNA_CATABOLIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_MRNA_CATABOLIC_PROCESS
                                                                                      MIR6797_3P, MIR6797_3P
                                                                                      GOBP_LYTIC_VACUOLE_ORGANIZATION, GOBP_LYTIC_VACUOLE_ORGANIZATION
                                                                                      PID_PI3KCI_PATHWAY, PID_PI3KCI_PATHWAY
                                                                                      GOBP_POSITIVE_REGULATION_OF_PROTEIN_KINASE_B_SIGNALING, GOBP_POSITIVE_REGULATION_OF_PROTEIN_KINASE_B_SIGNALING
                                                                                      MIR20B_3P, MIR20B_3P
                                                                                      GOMF_ACETYLGALACTOSAMINYLTRANSFERASE_ACTIVITY, GOMF_ACETYLGALACTOSAMINYLTRANSFERASE_ACTIVITY
                                                                                      MIR3620_5P, MIR3620_5P
                                                                                      MIR4756_3P, MIR4756_3P
                                                                                      BURTON_ADIPOGENESIS_PEAK_AT_8HR, BURTON_ADIPOGENESIS_PEAK_AT_8HR
                                                                                      GOCC_ORGANELLE_MEMBRANE_CONTACT_SITE, GOCC_ORGANELLE_MEMBRANE_CONTACT_SITE
                                                                                      GOCC_AUTOPHAGOSOME_MEMBRANE, GOCC_AUTOPHAGOSOME_MEMBRANE
                                                                                      MIR3661, MIR3661
                                                                                      FXR_Q3, FXR_Q3
                                                                                      GSE17721_CTRL_VS_CPG_1H_BMDC_DN, GSE17721_CTRL_VS_CPG_1H_BMDC_DN
                                                                                      MIR6843_3P, MIR6843_3P
                                                                                     REACTOME_GPVI_MEDIATED_ACTIVATION_CASCADE, REACTOME_GPVI_MEDIATED_ACTIVATION_CASCADE
TIM_VS_LPS_STIM_DC_DN, GSE36009_UNSTIM_VS_LPS_STIM_DC_DN
                                                                                      MIR6848_3P, MIR6848_3P
                                                                                      MIR6076, MIR6076
                                                                                      GOBP_RAC_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_RAC_PROTEIN_SIGNAL_TRANSDUCTION
                                                                                       KEGG_TGF_BETA_SIGNALING_PATHWAY, KEGG_TGF_BETA_SIGNALING_PATHWAY
                                                                                      EVI1_02, EVI1_02
                                                                                      GSE2706_R848_VS_LPS_8H_STIM_DC_UP, GSE2706_R848_VS_LPS_8H_STIM_DC_UP
                                                                                      WP_PI3KAKTMTOR_SIGNALING_PATHWAY_AND_THERAPEUTIC_OPPORTUNITIES, WP_PI3KAKTMTOR_SIGNALING_PATHWAY_AND_THERAPEUTIC_OPPORTUNITIES
                                                                                      WP_NEOVASCULARISATION_PROCESSES, WP_NEOVASCULARISATION_PROCESSES
                                                                                      MIR4471, MIR4471
                                                                                      GOBP_MODULATION_BY_SYMBIONT_OF_HOST_PROCESS, GOBP_MODULATION_BY_SYMBIONT_OF_HOST_PROCESS
                                                                                      MIR4741, MIR4741
                                                                                      BIOCARTA_ARAP_PATHWAY, BIOCARTA_ARAP_PATHWAY
                                                                                      MIR6773_5P, MIR6773_5P
                                                                                      PID_GLYPICAN_1PATHWAY, PID_GLYPICAN_1PATHWAY
                                                                                      CHEOK_RESPONSE_TO_HD_MTX_DN, CHEOK_RESPONSE_TO_HD_MTX_DN
                                                                                      HP_TEMPORAL_PATTERN, HP_TEMPORAL_PATTERN
                                                                                      MIR652_5P, MIR652_5P
                                                                                      MIR1587, MIR1587
                                                                                      GOCC_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX, GOCC_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX
                                                                                      GOBP_REGULATION_OF_RAC_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_REGULATION_OF_RAC_PROTEIN_SIGNAL_TRANSDUCTION
                                                                                      GOBP_HISTONE_H4_K5_ACETYLATION, GOBP_HISTONE_H4_K5_ACETYLATION
                                                                                      MIR4675, MIR4675
                                                                                      GOMF_MRNA_METHYLTRANSFERASE_ACTIVITY, GOMF_MRNA_METHYLTRANSFERASE_ACTIVITY
                                                                                      PID_IL1_PATHWAY, PID_IL1_PATHWAY
                                                                                      HP_INSIDIOUS_ONSET, HP_INSIDIOUS_ONSET
                                                                                      GOBP_AXIS_SPECIFICATION, GOBP_AXIS_SPECIFICATION
                                                                                      GOBP_SKELETAL_MUSCLE_CELL_DIFFERENTIATION, GOBP_SKELETAL_MUSCLE_CELL_DIFFERENTIATION
                                                                                      GOMF_R_SMAD_BINDING, GOMF_R_SMAD_BINDING
                                                                                      GOMF_ACETYLGLUCOSAMINYLTRANSFERASE_ACTIVITY, GOMF_ACETYLGLUCOSAMINYLTRANSFERASE_ACTIVITY
                                                                                      MIR92A_1_5P, MIR92A_1_5P
                                                                                      GOBP_CHONDROCYTE_DEVELOPMENT, GOBP_CHONDROCYTE_DEVELOPMENT
                                                                                      BIOCARTA_BCELLSURVIVAL_PATHWAY, BIOCARTA_BCELLSURVIVAL_PATHWAY
                                                                                      ZIRN TRETINOIN RESPONSE UP, ZIRN TRETINOIN RESPONSE UP
                                                                                      MIR382_5P, MIR382_5P
                                                                                      EVI1_01, EVI1_01
                                                                                      MIKKELSEN_NPC_LCP_WITH_H3K4ME3, MIKKELSEN_NPC_LCP_WITH_H3K4ME3
                                                                                      WP_CANCER_IMMUNOTHERAPY_BY_CTLA4_BLOCKADE, WP_CANCER_IMMUNOTHERAPY_BY_CTLA4_BLOCKADE
                                                                                      HUANG_FOXA2_TARGETS_DN, HUANG_FOXA2_TARGETS_DN
                                                                                      MODULE_560, MODULE_560
                                                                                      GOBP_NEGATIVE_REGULATION_OF_MICROTUBULE_POLYMERIZATION_OR_DEPOLYMERIZATION, GOBP_NEGATIVE_REGULATION_OF_MICROTUBULE_POLYMERIZATION_OR_DEPOLYMERIZATION
                                                                                      GOBP_O_GLYCAN_PROCESSING, GOBP_O_GLYCAN_PROCESSING
                                                                                      BIOCARTA_RAC1_PATHWAY, BIOCARTA_RAC1_PATHWAY
                                                                                      MIR6724_5P, MIR6724_5P
                                                                                      GOMF_HYALURONIC_ACID_BINDING, GOMF_HYALURONIC_ACID_BINDING
                                                                                      GOBP_ACTIVIN_RECEPTOR_SIGNALING_PATHWAY, GOBP_ACTIVIN_RECEPTOR_SIGNALING_PATHWAY
                                                                                      GOBP_PEPTIDYL_SERINE_DEPHOSPHORYLATION, GOBP_PEPTIDYL_SERINE_DEPHOSPHORYLATION
                                                                                      REACTOME_O_LINKED_GLYCOSYLATION_OF_MUCINS, REACTOME_O_LINKED_GLYCOSYLATION_OF_MUCINS
                                                                                      MAGRANGEAS_MULTIPLE_MYELOMA_IGLL_VS_IGLK_DN, MAGRANGEAS_MULTIPLE_MYELOMA_IGLL_VS_IGLK_DN
                                                                                      GOBP_CELLULAR_RESPONSE_TO_INCREASED_OXYGEN_LEVELS, GOBP_CELLULAR_RESPONSE_TO_INCREASED_OXYGEN_LEVELS
                                                                                      MIR1268A_MIR1268B, MIR1268A_MIR1268B
                                                                                      WP_CANONICAL_AND_NONCANONICAL_TGFB_SIGNALING, WP_CANONICAL_AND_NONCANONICAL_TGFB_SIGNALING
                                                                                      GOBP_REGULATION_OF_SMAD_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_REGULATION_OF_SMAD_PROTEIN_SIGNAL_TRANSDUCTION
                                                                                      MIR3162_3P, MIR3162_3P
                                                                                      KEGG_O_GLYCAN_BIOSYNTHESIS, KEGG_O_GLYCAN_BIOSYNTHESIS
                                                                                      REACTOME ERKS ARE INACTIVATED, REACTOME ERKS ARE INACTIVATED
                                                                                      GOMF_MODIFIED_AMINO_ACID_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_MODIFIED_AMINO_ACID_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                      MIR6769A_3P, MIR6769A_3P
                                                                                      BIOCARTA_TGFB_PATHWAY, BIOCARTA_TGFB_PATHWAY
                                                                                      GOBP_NEGATIVE_REGULATION_OF_HYDROGEN_PEROXIDE_METABOLIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_HYDROGEN_PEROXIDE_METABOLIC_PROCESS
                                                                                      GOBP_NEGATIVE_REGULATION_OF_CHONDROCYTE_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_CHONDROCYTE_DIFFERENTIATION
                                                                                      ONGUSAHA_TP53_TARGETS, ONGUSAHA_TP53_TARGETS
                                                                                      REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS, REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS
                                                                                      GOBP_REGULATION_OF_LYSOSOMAL_LUMEN_PH, GOBP_REGULATION_OF_LYSOSOMAL_LUMEN_PH
                                                                                      HP_SMALL_FOREHEAD, HP_SMALL_FOREHEAD
                                                                                      GOBP_NEGATIVE_REGULATION_OF_CARTILAGE_DEVELOPMENT, GOBP_NEGATIVE_REGULATION_OF_CARTILAGE_DEVELOPMENT
                                                                                      GOMF_TRANSFORMING_GROWTH_FACTOR_BETA_BINDING, GOMF_TRANSFORMING_GROWTH_FACTOR_BETA_BINDING
                                                                                      GOCC_VACUOLAR_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX, GOCC_VACUOLAR_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX
                                                                                      MIR4507, MIR4507
                                                                                      HP_DIASTEMA, HP_DIASTEMA
                                                                                      GOBP_SPINAL_CORD_ASSOCIATION_NEURON_DIFFERENTIATION, GOBP_SPINAL_CORD_ASSOCIATION_NEURON_DIFFERENTIATION
                                                                                      HP_ABNORMAL_SIZE_OF_PITUITARY_GLAND, HP_ABNORMAL_SIZE_OF_PITUITARY_GLAND
                                                                                      GOBP_FOREGUT_MORPHOGENESIS, GOBP_FOREGUT_MORPHOGENESIS
                                                                                      MIR3940 5P, MIR3940 5P
                                                                                      GOMF_CO_SMAD_BINDING, GOMF_CO_SMAD_BINDING
                                                                                      TOMLINS_METASTASIS_UP, TOMLINS_METASTASIS_UP
                                                                                      GOBP_POSITIVE_REGULATION_OF_NLRP3_INFLAMMASOME_COMPLEX_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_NLRP3_INFLAMMASOME_COMPLEX_ASSEMBLY
                                                                                      GOMF OLIGOPEPTIDE TRANSMEMBRANE TRANSPORTER ACTIVITY, GOMF OLIGOPEPTIDE TRANSMEMBRANE TRANSPORTER ACTIVITY
                                                                                      GOBP_REGULATION_OF_BONE_DEVELOPMENT, GOBP_REGULATION_OF_BONE_DEVELOPMENT
                                                                                      GOBP_CARDIAC_PACEMAKER_CELL_DIFFERENTIATION, GOBP_CARDIAC_PACEMAKER_CELL_DIFFERENTIATION
                                                                                      GOBP_CELL_JUNCTION_DISASSEMBLY, GOBP_CELL_JUNCTION_DISASSEMBLY
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HP_MOTOR_DETERIORATION, HP_MOTOR_DETERIORATION

GOBP_MOTOR_NEURON_AXON_GUIDANCE, GOBP_MOTOR_NEURON_AXON_GUIDANCE