```
GSE9988_LOW_LPS_VS_VEHICLE_TREATED_MONOCYTE_DN, GSE9988_LOW_LPS_VS_VEHICLE_TREATED_MONOCYTE_DN
GSE29164_UNTREATED_VS_CD8_TCELL_AND_IL12_TREATED_MELANOMA_DAY3_DN, GSE29164_UNTREATED_VS_CD8_TCELL_AND_IL12_TREATED_MELANOMA_DAY3_DN
GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_DN, GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_DN
GSE36009_WT_VS_NLRP10_KO_DC_DN, GSE36009_WT_VS_NLRP10_KO_DC_DN
GSE17721_CPG_VS_GARDIQUIMOD_4H_BMDC_DN, GSE17721_CPG_VS_GARDIQUIMOD_4H_BMDC_DN
GSE42724_MEMORY_VS_B1_BCELL_UP, GSE42724_MEMORY_VS_B1_BCELL_UP
GSE36891_UNSTIM_VS_PAM_TLR2_STIM_PERITONEAL_MACROPHAGE_UP, GSE36891_UNSTIM_VS_PAM_TLR2_STIM_PERITONEAL_MACROPHAGE_UP
GSE17721_CTRL_VS_CPG_0.5H_BMDC_UP, GSE17721_CTRL_VS_CPG_0.5H_BMDC_UP
GSE34156_UNTREATED_VS_6H_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_DN, GSE34156_UNTREATED_VS_6H_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_DN
GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN, GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN
GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_6H_DN, GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_6H_DN
GSE17721_0.5H_VS_8H_PAM3CSK4_BMDC_DN, GSE17721_0.5H_VS_8H_PAM3CSK4_BMDC_DN
GSE46606_IRF4_KO_VS_WT_CD40L_IL2_IL5_3DAY_STIMULATED_BCELL_DN, GSE46606_IRF4_KO_VS_WT_CD40L_IL2_IL5_3DAY_STIMULATED_BCELL_DN
GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_DN, GSE9037_CTRL_VS_LPS_4H_STIM_IRAK4_KO_BMDM_DN
GSE37301_GRANULOCYTE_MONOCYTE_PROGENITOR_VS_RAG2_KO_NK_CELL_UP, GSE37301_GRANULOCYTE_MONOCYTE_PROGENITOR_VS_RAG2_KO_NK_CELL_UP
GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN, GSE8621_LPS_STIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN
GSE3039_CD4_TCELL_VS_ALPHAALPHA_CD8_TCELL_UP, GSE3039_CD4_TCELL_VS_ALPHAALPHA_CD8_TCELL_UP
GSE9037_WT_VS_IRAK4_KO_LPS_4H_STIM_BMDM_UP, GSE9037_WT_VS_IRAK4_KO_LPS_4H_STIM_BMDM_UP
GTGCCAT_MIR183, GTGCCAT_MIR183
GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_UP, GSE6259_33D1_POS_VS_DEC205_POS_SPLENIC_DC_UP
MIR186_3P, MIR186_3P
GSE14769 UNSTIM VS 360MIN LPS BMDM DN, GSE14769 UNSTIM VS 360MIN LPS BMDM DN
GSE17721_CTRL_VS_GARDIQUIMOD_12H_BMDC_DN, GSE17721_CTRL_VS_GARDIQUIMOD_12H_BMDC_DN
GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_DN, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_DN
GSE17721_CTRL_VS_LPS_2H_BMDC_DN, GSE17721_CTRL_VS_LPS_2H_BMDC_DN
GSE17721_CTRL_VS_CPG_8H_BMDC_DN, GSE17721_CTRL_VS_CPG_8H_BMDC_DN
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
MIR548AU_3P, MIR548AU_3P
GSE17721 CTRL VS CPG 2H BMDC DN, GSE17721 CTRL VS CPG 2H BMDC DN
GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP, GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP
MIR6868_5P, MIR6868_5P
GGCAGTG_MIR3243P, GGCAGTG_MIR3243P
GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP, GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_UP
MIR7851_3P, MIR7851_3P
MIR30C_2_3P, MIR30C_2_3P
MIR3150B_3P, MIR3150B_3P
MIR4784, MIR4784
MIR1183, MIR1183
MIR4802_3P, MIR4802_3P
MIR30C_1_3P, MIR30C_1_3P
GOBP_REGULATION_OF_HISTONE_METHYLATION, GOBP_REGULATION_OF_HISTONE_METHYLATION
MIR6788_5P, MIR6788_5P
MIR452_3P, MIR452_3P
GGCKCATGS_UNKNOWN, GGCKCATGS_UNKNOWN
GSE27786 BCELL VS NEUTROPHIL DN, GSE27786 BCELL VS NEUTROPHIL DN
GSE13306_TREG_VS_TCONV_LAMINA_PROPRIA_DN, GSE13306_TREG_VS_TCONV_LAMINA_PROPRIA_DN
 GOBP_PEPTIDYL_LYSINE_TRIMETHYLATION, GOBP_PEPTIDYL_LYSINE_TRIMETHYLATION
GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_WT_LIVER_UP, GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_WT_LIVER_UP
CTCAAGA_MIR526B, CTCAAGA_MIR526B
MIR6752_3P, MIR6752_3P
MIR6797_3P, MIR6797_3P
MIR4639_3P, MIR4639_3P
ROVERSI_GLIOMA_COPY_NUMBER_UP, ROVERSI_GLIOMA_COPY_NUMBER_UP
GOBP_POSITIVE_REGULATION_OF_PROTEIN_KINASE_B_SIGNALING, GOBP_POSITIVE_REGULATION_OF_PROTEIN_KINASE_B_SIGNALING
REACTOME_RHOU_GTPASE_CYCLE, REACTOME_RHOU_GTPASE_CYCLE
MIR4756_3P, MIR4756_3P
BILD_SRC_ONCOGENIC_SIGNATURE, BILD_SRC_ONCOGENIC_SIGNATURE
MIR4656, MIR4656
GROSS_HYPOXIA_VIA_HIF1A_DN, GROSS_HYPOXIA_VIA_HIF1A_DN
RTTTNNNYTGGM_UNKNOWN, RTTTNNNYTGGM_UNKNOWN
MIR4675, MIR4675
CCAGGTT_MIR490, CCAGGTT_MIR490
REACTOME_GPVI_MEDIATED_ACTIVATION_CASCADE, REACTOME_GPVI_MEDIATED_ACTIVATION_CASCADE
MODULE_522, MODULE_522
MIR4741, MIR4741
GOBP_RAC_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_RAC_PROTEIN_SIGNAL_TRANSDUCTION
GOBP_CHONDROCYTE_DEVELOPMENT, GOBP_CHONDROCYTE_DEVELOPMENT
GOCC_ORGANELLE_MEMBRANE_CONTACT_SITE, GOCC_ORGANELLE_MEMBRANE_CONTACT_SITE
GOBP_L_AMINO_ACID_TRANSPORT, GOBP_L_AMINO_ACID_TRANSPORT
REACTOME_ERYTHROPOIETIN_ACTIVATES_PHOSPHOINOSITIDE_3_KINASE_PI3K, REACTOME_ERYTHROPOIETIN_ACTIVATES_PHOSPHOINOSITIDE_3_KINASE_PI3K
KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY, KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY
REACTOME_CONSTITUTIVE_SIGNALING_BY_ABERRANT_PI3K_IN_CANCER, REACTOME_CONSTITUTIVE_SIGNALING_BY_ABERRANT_PI3K_IN_CANCER
MIR4507, MIR4507
GOBP_HYALURONAN_CATABOLIC_PROCESS, GOBP_HYALURONAN_CATABOLIC_PROCESS
AACGGTT_MIR451, AACGGTT_MIR451
WP_TOLLLIKE_RECEPTOR_SIGNALING_PATHWAY, WP_TOLLLIKE_RECEPTOR_SIGNALING_PATHWAY
GOBP_MOTOR_NEURON_AXON_GUIDANCE, GOBP_MOTOR_NEURON_AXON_GUIDANCE
GOBP_REGULATION_OF_LAMELLIPODIUM_ORGANIZATION, GOBP_REGULATION_OF_LAMELLIPODIUM_ORGANIZATION
GOMF_AMINO_ACID_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_AMINO_ACID_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
GOMF_L_AMINO_ACID_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_L_AMINO_ACID_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
PID_GLYPICAN_1PATHWAY, PID_GLYPICAN_1PATHWAY
MIR3620_5P, MIR3620_5P
GOBP_ENERGY_HOMEOSTASIS, GOBP_ENERGY_HOMEOSTASIS
REACTOME AMINO ACID TRANSPORT ACROSS THE PLASMA MEMBRANE, REACTOME AMINO ACID TRANSPORT ACROSS THE PLASMA MEMBRANE
FXR_Q3, FXR_Q3
WP_CANONICAL_AND_NONCANONICAL_TGFB_SIGNALING, WP_CANONICAL_AND_NONCANONICAL_TGFB_SIGNALING
GOBP_NEGATIVE_REGULATION_OF_CHONDROCYTE_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_CHONDROCYTE_DIFFERENTIATION
ZIRN_TRETINOIN_RESPONSE_UP, ZIRN_TRETINOIN_RESPONSE_UP
SHIPP_DLBCL_CURED_VS_FATAL_UP, SHIPP_DLBCL_CURED_VS_FATAL_UP
GOMF_TRANSFORMING_GROWTH_FACTOR_BETA_BINDING, GOMF_TRANSFORMING_GROWTH_FACTOR_BETA_BINDING
MIR5702, MIR5702
MIR6747_5P, MIR6747_5P
GOBP_CELLULAR_RESPONSE_TO_INCREASED_OXYGEN_LEVELS, GOBP_CELLULAR_RESPONSE_TO_INCREASED_OXYGEN_LEVELS
HP_INCREASED_LDL_CHOLESTEROL_CONCENTRATION, HP_INCREASED_LDL_CHOLESTEROL_CONCENTRATION
GOBP_O_GLYCAN_PROCESSING, GOBP_O_GLYCAN_PROCESSING
GOBP_NEUTROPHIL_MEDIATED_CYTOTOXICITY, GOBP_NEUTROPHIL_MEDIATED_CYTOTOXICITY
MIKKELSEN_NPC_LCP_WITH_H3K4ME3, MIKKELSEN_NPC_LCP_WITH_H3K4ME3
MIR1587, MIR1587
GOBP_NEGATIVE_REGULATION_OF_CARTILAGE_DEVELOPMENT, GOBP_NEGATIVE_REGULATION_OF_CARTILAGE_DEVELOPMENT
REACTOME_HYALURONAN_METABOLISM, REACTOME_HYALURONAN_METABOLISM
WP_CANCER_IMMUNOTHERAPY_BY_CTLA4_BLOCKADE, WP_CANCER_IMMUNOTHERAPY_BY_CTLA4_BLOCKADE
GOBP_PEPTIDYL_SERINE_DEPHOSPHORYLATION, GOBP_PEPTIDYL_SERINE_DEPHOSPHORYLATION
REACTOME_O_LINKED_GLYCOSYLATION_OF_MUCINS, REACTOME_O_LINKED_GLYCOSYLATION_OF_MUCINS
REACTOME_HYALURONAN_UPTAKE_AND_DEGRADATION, REACTOME_HYALURONAN_UPTAKE_AND_DEGRADATION
HP HYPERLIPOPROTEINEMIA, HP HYPERLIPOPROTEINEMIA
HP_INSIDIOUS_ONSET, HP_INSIDIOUS_ONSET
GOBP_CHONDROCYTE_DIFFERENTIATION_INVOLVED_IN_ENDOCHONDRAL_BONE_MORPHOGENESIS, GOBP_CHONDROCYTE_DIFFERENTIATION_INVOLVED_IN_ENDOCHONDRAL_BONE_MORPHOGI
GOBP NEUTROPHIL MEDIATED KILLING OF GRAM NEGATIVE BACTERIUM, GOBP NEUTROPHIL MEDIATED KILLING OF GRAM NEGATIVE BACTERIUM
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GOMF_HYALURONONGLUCOSAMINIDASE_ACTIVITY, GOMF_HYALURONONGLUCOSAMINIDASE_ACTIVITY

HP_ABNORMALITY_OF_BLOOD_VOLUME_HOMEOSTASIS, HP_ABNORMALITY_OF_BLOOD_VOLUME_HOMEOSTASIS

WANG_METASTASIS_OF_BREAST_CANCER, WANG_METASTASIS_OF_BREAST_CANCER

HP_PERIPHERAL_HYPERMYELINATION, HP_PERIPHERAL_HYPERMYELINATION

HP_RACHITIC_ROSARY, HP_RACHITIC_ROSARY

GOBP_POLY_N_ACETYLLACTOSAMINE_METABOLIC_PROCESS, GOBP_POLY_N_ACETYLLACTOSAMINE_METABOLIC_PROCESS

GOBP_NEGATIVE_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION, GOBP_NEGATIVE_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION

TIM_VS_LPS_STIM_DC_DN, GSE36009_UNSTIM_VS_LPS_STIM_DC_DN