```
GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_MACROPHAGE_WITH_IFNA_STIM_UP, GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_MACROPHAGE_WITH_IFNA_STIM_UP
                                                                                                            GSE2770_IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770_IL12_AND_TGFB_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN
                                                                                                            GSE38696_LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP, GSE38696_LIGHT_ZONE_VS_DARK_ZONE_BCELL_UP
                                                                                                            GSE45365_NK_CELL_VS_BCELL_MCMV_INFECTION_UP, GSE45365_NK_CELL_VS_BCELL_MCMV_INFECTION_UP
                                                                                                            GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_IFNG_DERIVED_MACROPHAGE_DN, GSE1740_UNSTIM_VS_IFNA_STIMULATED_MCSF_IFNG_DERIVED_MACROPHAGE_DN
                                                                                                            GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_24H_TREATED_MONOCYTE_DN, GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_24H_TREATED_MONOCYTE_DN
                                                                                                            GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                            GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_UP
                                                                                                            GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_DN, GSE23502_BM_VS_COLON_TUMOR_MYELOID_DERIVED_SUPPRESSOR_CELL_DN
                                                                                                            GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_UP
                                                                                                            GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_12H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_12H_UP
                                                                                                           GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_0.8H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_0.8H_UP
                                                                                                            GSE3982_NEUTROPHIL_VS_NKCELL_UP, GSE3982_NEUTROPHIL_VS_NKCELL_UP
                                                                                                            GSE40666_UNTREATED_VS_IFNA_STIM_STAT4_KO_EFFECTOR_CD8_TCELL_90MIN_DN, GSE40666_UNTREATED_VS_IFNA_STIM_STAT4_KO_EFFECTOR_CD8_TCELL_90MIN_DN
                                                                                                            GSE2128_C57BL6_VS_NOD_THYMOCYTE_MIMETOPE_NEGATIVE_SELECTION_DN, GSE2128_C57BL6_VS_NOD_THYMOCYTE_MIMETOPE_NEGATIVE_SELECTION_DN
                                                                                                            GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_DN, GSE24142_DN2_VS_DN3_THYMOCYTE_ADULT_DN
                                                                                                            GSE42021_TCONV_PLN_VS_TREG_PRECURSORS_THYMUS_UP, GSE42021_TCONV_PLN_VS_TREG_PRECURSORS_THYMUS_UP
                                                                                                            GSE2128_C57BL6_VS_NOD_CD4CD8_DP_THYMOCYTE_UP, GSE2128_C57BL6_VS_NOD_CD4CD8_DP_THYMOCYTE_UP
                                                                                                            STEARMAN_LUNG_CANCER_EARLY_VS_LATE_UP, STEARMAN_LUNG_CANCER_EARLY_VS_LATE_UP
                                                                                                            GSE26669_CD4_VS_CD8_TCELL_IN_MLR_DN, GSE26669_CD4_VS_CD8_TCELL_IN_MLR_DN
                                                                                                            GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_UP, GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                                            GSE26030_UNSTIM_VS_RESTIM_TH1_DAY5_POST_POLARIZATION_UP, GSE26030_UNSTIM_VS_RESTIM_TH1_DAY5_POST_POLARIZATION_UP
                                                                                                            GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_UP, GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_UP
                                                                                                            GSE18804_SPLEEN_MACROPHAGE_VS_TUMORAL_MACROPHAGE_DN, GSE18804_SPLEEN_MACROPHAGE_VS_TUMORAL_MACROPHAGE_DN
                                                                                                            GSE21927_BALBC_VS_C57BL6_MONOCYTE_SPLEEN_UP, GSE21927_BALBC_VS_C57BL6_MONOCYTE_SPLEEN_UP
                                                                                                            MIR194_5P, MIR194_5P
                                                                                                            GSE25087_TREG_VS_TCONV_FETUS_UP, GSE25087_TREG_VS_TCONV_FETUS_UP
                                                                                                            GSE25123_WT_VS_PPARG_KO_MACROPHAGE_UP, GSE25123_WT_VS_PPARG_KO_MACROPHAGE_UP
                                                                                                            GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_T425A_HEXON_INF_DN, GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_T425A_HEXON_INF_DN
                                                                                                            MIR548AI_MIR570_5P, MIR548AI_MIR570_5P
                                                                                                            MIR12132, MIR12132
                                                                                                            MIR6768 3P, MIR6768 3P
                                                                                                            GSE15767_MED_VS_SCS_MAC_LN_UP, GSE15767_MED_VS_SCS_MAC_LN_UP
                                                                                                            MIR488 3P, MIR488 3P
                                                                                                            MIR548AO_5P_MIR548AX, MIR548AO_5P_MIR548AX
                                                                                                            GCM RBM8A, GCM_RBM8A
                                                                                                            GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_UP, GSE36888_UNTREATED_VS_IL2_TREATED_STAT5_AB_KNOCKIN_TCELL_6H_UP
                                                                                                            GSE360 L DONOVANI VS B MALAYI HIGH DOSE MAC UP, GSE360 L DONOVANI VS B MALAYI HIGH DOSE MAC UP
                                                                                                            IVANOVSKA_MIR106B_TARGETS, IVANOVSKA_MIR106B_TARGETS
                                                                                                            MIR6505_5P, MIR6505_5P
                                                                                                            MIR1208, MIR1208
                                                                                                           GSE19941 LPS VS LPS AND IL10 STIM IL10 KO NFKBP50 KO MACROPHAGE UP, GSE19941 LPS VS LPS AND IL10 STIM IL10 KO NFKBP50 KO MACROPHAGE UP
                                                                                                            MIR8065, MIR8065
                                                                                                            GSE1112_HY_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTOC_CULTURE_DN, GSE1112_HY_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTOC_CULTURE_DN
                                                                                                            LAKE_ADULT_KIDNEY_C11_THIN_ASCENDING_LIMB, LAKE_ADULT_KIDNEY_C11_THIN_ASCENDING_LIMB
                                                                                                            MIR4727_5P, MIR4727_5P
                                                                                                            OKUMURA_INFLAMMATORY_RESPONSE_LPS, OKUMURA_INFLAMMATORY_RESPONSE_LPS
                                                                                                            GOMF_HORMONE_RECEPTOR_BINDING, GOMF_HORMONE_RECEPTOR_BINDING
                                                                                                            MIR891A_3P, MIR891A_3P
                                                                                                            GOBP_REGULATION_OF_STRESS_ACTIVATED_PROTEIN_KINASE_SIGNALING_CASCADE, GOBP_REGULATION_OF_STRESS_ACTIVATED_PROTEIN_KINASE_SIGNALING_CASCADE
                                                                                                            MIR585_5P, MIR585_5P
                                                                                                             MIR4293, MIR4293
                                                                                                            HP_THORACIC_HYPOPLASIA, HP_THORACIC_HYPOPLASIA
                                                                                                            GCACCTT_MIR18A_MIR18B, GCACCTT_MIR18A_MIR18B
                                                                                                            GOBP MUCOPOLYSACCHARIDE METABOLIC PROCESS, GOBP MUCOPOLYSACCHARIDE METABOLIC PROCESS
                                                                                                            MIR558, MIR558
                                                                                                            GSE40441_NRP1_POS_INDUCED_TREG_VS_NRP1_NEG_NATURAL_TREG_UP, GSE40441_NRP1_POS_INDUCED_TREG_VS_NRP1_NEG_NATURAL_TREG_UP
                                                                                                            GSE1460_INTRATHYMIC_T_PROGENITOR_VS_THYMIC_STROMAL_CELL_DN, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_THYMIC_STROMAL_CELL_DN
                                                                                                            HP_CHRONIC_KIDNEY_DISEASE, HP_CHRONIC_KIDNEY_DISEASE
                                                                                                            CHANDRAN_METASTASIS_TOP50_UP, CHANDRAN_METASTASIS_TOP50_UP
                                                                                                            GCM_BCL2L1, GCM_BCL2L1
                                                                                                             CASORELLI_APL_SECONDARY_VS_DE_NOVO_UP, CASORELLI_APL_SECONDARY_VS_DE_NOVO_UP
                                                                                                            HP_STAGE_5_CHRONIC_KIDNEY_DISEASE, HP_STAGE_5_CHRONIC_KIDNEY_DISEASE
                                                                                                            GSE32423_CTRL_VS_IL7_MEMORY_CD8_TCELL_DN, GSE32423_CTRL_VS_IL7_MEMORY_CD8_TCELL_DN
                                                                                                            GOBP_HISTONE_H4_ACETYLATION, GOBP_HISTONE_H4_ACETYLATION
                                                                                                            MIR5004_5P, MIR5004_5P
                                                                                                            GSE17721_CTRL_VS_LPS_2H_BMDC_DN, GSE17721_CTRL_VS_LPS_2H_BMDC_DN
                                                                                                            GOBP_MEGAKARYOCYTE_DIFFERENTIATION, GOBP_MEGAKARYOCYTE_DIFFERENTIATION
                                                                                                            GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRECURSOR_DN, GSE40685_NAIVE_CD4_TCELL_VS_FOXP3_KO_TREG_PRECURSOR_DN
                                                                                                            MIR4693_5P, MIR4693_5P
                                                                                                            GOBP_INTEGRIN_MEDIATED_SIGNALING_PATHWAY, GOBP_INTEGRIN_MEDIATED_SIGNALING_PATHWAY
                                                                                                            MIR584_5P, MIR584_5P
                                                                                                            ZHU_CMV_ALL_DN, ZHU_CMV_ALL_DN
                                                                                                            MIR642B_5P, MIR642B_5P
                                                                                                            HP_RECURRENT_OTITIS_MEDIA, HP_RECURRENT_OTITIS_MEDIA
                                                                                                           GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_DN, GSE5589_WT_VS_IL6_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_DN
                                                                                                            HP_ADDUCTED_THUMB, HP_ADDUCTED_THUMB
                                                                                                            MIR3928 5P, MIR3928 5P
                                                                                                            REACTOME_RUNX1_REGULATES_GENES_INVOLVED_IN_MEGAKARYOCYTE_DIFFERENTIATION_AND_PLATELET_FUNCTION, REACTOME_RUNX1_REGULATES_GENES_INVOLVED_IN_MEGAKARYOCYTE_DIFFERENTIATION_AND_PLATELET_FUNCTION
                                                                                                            MIR198, MIR198
                                                                                                            GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN, GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_DN
                                                                                                            GOMF_TRANSFERASE_ACTIVITY_TRANSFERRING_HEXOSYL_GROUPS, GOMF_TRANSFERASE_ACTIVITY_TRANSFERRING_HEXOSYL_GROUPS
                                                                                                            GUO_HEX_TARGETS_UP, GUO_HEX_TARGETS_UP
                                                                                                           GOBP_PROTEOGLYCAN_METABOLIC_PROCESS, GOBP_PROTEOGLYCAN_METABOLIC_PROCESS
                                                                                                           HP_BILATERAL_TONIC_CLONIC_SEIZURE_WITH_GENERALIZED_ONSET, HP_BILATERAL_TONIC_CLONIC_SEIZURE_WITH_GENERALIZED_ONSET
                                                                                                            WP_MECHANOREGULATION_AND_PATHOLOGY_OF_YAPTAZ_VIA_HIPPO_AND_NONHIPPO_MECHANISMS, WP_MECHANOREGULATION_AND_PATHOLOGY_OF_YAPTAZ_VIA_HIPPO_AND_NONHIPPO_MECHANISMS
                                                                                                            GOMF_INTEGRIN_BINDING, GOMF_INTEGRIN_BINDING
                                                                                                           HP_LYMPHEDEMA, HP_LYMPHEDEMA
                                                                                                           MIR211_3P, MIR211_3P
                                                                                                           GOBP_TEMPERATURE_HOMEOSTASIS, GOBP_TEMPERATURE_HOMEOSTASIS
                                                                                                            MIR455_3P, MIR455_3P
                                                                                                           GOBP_LIPID_STORAGE, GOBP_LIPID_STORAGE
                                                                                                            GSE29615_DAY3_VS_DAY7_LAIV_FLU_VACCINE_PBMC_UP, GSE29615_DAY3_VS_DAY7_LAIV_FLU_VACCINE_PBMC_UP
                                                                                                            REACTOME_CHONDROITIN_SULFATE_DERMATAN_SULFATE_METABOLISM, REACTOME_CHONDROITIN_SULFATE_DERMATAN_SULFATE_METABOLISM
                                                                                                             TCTATGA_MIR376A_MIR376B, TCTATGA_MIR376A_MIR376B
                                                                                                             HP_BROAD_EYEBROW, HP_BROAD_EYEBROW
                                                                                                             GSE39820_IL1B_IL6_VS_IL1B_IL6_IL23A_TREATED_CD4_TCELL_DN, GSE39820_IL1B_IL6_VS_IL1B_IL6_IL23A_TREATED_CD4_TCELL_DN
                                                                                                             MIR592, MIR592
                                                                                                             MIR597_5P, MIR597_5P
                                                                                                            KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY, KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY
                                                                                                             MIR629_5P, MIR629_5P
                                                                                                            GOBP_NEPHRON_DEVELOPMENT, GOBP_NEPHRON_DEVELOPMENT
                                                                                                             MIR601, MIR601
                                                                                                             MIR3120_5P, MIR3120_5P
                                                                                                             MIR892A, MIR892A
                                                                                                            MIR4797 3P, MIR4797 3P
                                                                                                            GOBP_NEGATIVE_REGULATION_OF_TRANSLATIONAL_INITIATION, GOBP_NEGATIVE_REGULATION_OF_TRANSLATIONAL_INITIATION
                                                                                                            MIR512_5P, MIR512_5P
                                                                                                            GOMF_CYTOKINE_BINDING, GOMF_CYTOKINE_BINDING
                                                                                                            PRC2_EZH2_UP.V1_UP, PRC2_EZH2_UP.V1_UP
                                                                                                           MIR4456, MIR4456
                                                                                                           - GOBP_POSITIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT, GOBP_POSITIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
ROMEDINU_IN_T_CELL_LINE_6H_DN, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_DN
                                                                                                            EVI1_02, EVI1_02
                                                                                                            MIR4487, MIR4487
                                                                                                            GOBP_NEGATIVE_REGULATION_OF_ALPHA_BETA_T_CELL_ACTIVATION, GOBP_NEGATIVE_REGULATION_OF_ALPHA_BETA_T_CELL_ACTIVATION
                                                                                                            MIR6732_3P, MIR6732_3P
                                                                                                            MIR7112_3P, MIR7112_3P
                                                                                                            REACTOME_ELASTIC_FIBRE_FORMATION, REACTOME_ELASTIC_FIBRE_FORMATION
                                                                                                            GOBP_PROTEOGLYCAN_BIOSYNTHETIC_PROCESS, GOBP_PROTEOGLYCAN_BIOSYNTHETIC_PROCESS
                                                                                                            HP_FOCAL_SEGMENTAL_GLOMERULOSCLEROSIS, HP_FOCAL_SEGMENTAL_GLOMERULOSCLEROSIS
                                                                                                            REACTOME_CA2_PATHWAY, REACTOME_CA2_PATHWAY
                                                                                                            GOBP_AROMATIC_AMINO_ACID_FAMILY_CATABOLIC_PROCESS, GOBP_AROMATIC_AMINO_ACID_FAMILY_CATABOLIC_PROCESS
                                                                                                            REACTOME_RUNX3_REGULATES_P14_ARF, REACTOME_RUNX3_REGULATES_P14_ARF
                                                                                                            COMP1_01, COMP1_01
                                                                                                             MIR1302, MIR1302
                                                                                                            GOBP_EPITHELIAL_TO_MESENCHYMAL_TRANSITION, GOBP_EPITHELIAL_TO_MESENCHYMAL_TRANSITION
                                                                                                             HP_ABNORMAL_SPERM_MOTILITY, HP_ABNORMAL_SPERM_MOTILITY
                                                                                                             REACTOME_MOLECULES_ASSOCIATED_WITH_ELASTIC_FIBRES, REACTOME_MOLECULES_ASSOCIATED_WITH_ELASTIC_FIBRES
                                                                                                             REACTOME_SIGNAL_TRANSDUCTION_BY_L1, REACTOME_SIGNAL_TRANSDUCTION_BY_L1
                                                                                                            GOBP_NEGATIVE_REGULATION_OF_PROTEIN_MATURATION, GOBP_NEGATIVE_REGULATION_OF_PROTEIN_MATURATION
                                                                                                            MIR548Q, MIR548Q
                                                                                                           HP_EEG_WITH_ABNORMALLY_SLOW_FREQUENCIES, HP_EEG_WITH_ABNORMALLY_SLOW_FREQUENCIES
                                                                                                            WP_DISRUPTION_OF_POSTSYNAPTIC_SIGNALLING_BY_CNV, WP_DISRUPTION_OF_POSTSYNAPTIC_SIGNALLING_BY_CNV
                                                                                                           MIR5189_3P, MIR5189_3P
                                                                                                            WP_HEDGEHOG_SIGNALING_PATHWAY, WP_HEDGEHOG_SIGNALING_PATHWAY
                                                                                                            GOBP_NEGATIVE_REGULATION_OF_PEPTIDE_SECRETION, GOBP_NEGATIVE_REGULATION_OF_PEPTIDE_SECRETION
                                                                                                            WP_WNT_SIGNALING_PATHWAY_NETPATH, WP_WNT_SIGNALING_PATHWAY_NETPATH
                                                                                                            GOBP_REGULATION_OF_ANION_TRANSMEMBRANE_TRANSPORT, GOBP_REGULATION_OF_ANION_TRANSMEMBRANE_TRANSPORT
                                                                                                           WP_NUCLEOTIDEBINDING_OLIGOMERIZATION_DOMAIN_NOD_PATHWAY, WP_NUCLEOTIDEBINDING_OLIGOMERIZATION_DOMAIN_NOD_PATHWAY
                                                                                                           HP_INAPPROPRIATE_BEHAVIOR, HP_INAPPROPRIATE_BEHAVIOR
                                                                                                            GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_UP, GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_UP
                                                                                                            HP_PLEURAL_EFFUSION, HP_PLEURAL_EFFUSION
                                                                                                            MIR5695, MIR5695
                                                                                                            HP_ANKYLOSIS, HP_ANKYLOSIS
                                                                                                            HARALAMBIEVA_PBMC_M_M_R_II_AGE_13_16YO_STIMULATED_VS_UNSTIMULATED_3_TO_7YR_POST_TOP_DEG_UP, HARALAMBIEVA_PBMC_M_M_R_II_AGE_13_16YO_STIMULATED_VS_UNSTIMULATED_3_TO_7YR_POST_TOP_DEG_UP
                                                                                                            GOBP_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION, GOBP_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
                                                                                                            GSE11924_TH1_VS_TH17_CD4_TCELL_UP, GSE11924_TH1_VS_TH17_CD4_TCELL_UP
                                                                                                            GOBP_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION, GOBP_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION
                                                                                                            HP_REFLEX_SEIZURE, HP_REFLEX_SEIZURE
                                                                                                            MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_UP, MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_UP
                                                                                                            GOBP_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION, GOBP_REGULATION_OF_CD8_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION
                                                                                                            GOBP_HETEROTYPIC_CELL_CELL_ADHESION, GOBP_HETEROTYPIC_CELL_CELL_ADHESION
                                                                                                            GOBP_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION, GOBP_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION
                                                                                                            MODULE_341, MODULE_341
                                                                                                            MODULE_411, MODULE_411
                                                                                                            GOBP_CONNECTIVE_TISSUE_REPLACEMENT, GOBP_CONNECTIVE_TISSUE_REPLACEMENT
                                                                                                            GOBP_POSITIVE_REGULATION_OF_PROTEIN_KINASE_B_SIGNALING, GOBP_POSITIVE_REGULATION_OF_PROTEIN_KINASE_B_SIGNALING
                                                                                                            COATES_MACROPHAGE_M1_VS_M2_DN, COATES_MACROPHAGE_M1_VS_M2_DN
                                                                                                            GOBP_POSITIVE_REGULATION_OF_CELLULAR_RESPONSE_TO_INSULIN_STIMULUS, GOBP_POSITIVE_REGULATION_OF_CELLULAR_RESPONSE_TO_INSULIN_STIMULUS
                                                                                                            REACTOME_TRYPTOPHAN_CATABOLISM, REACTOME_TRYPTOPHAN_CATABOLISM
                                                                                                            HP_ABNORMALITY_OF_THE_UMBILICAL_CORD, HP_ABNORMALITY_OF_THE_UMBILICAL_CORD
                                                                                                            BURTON_ADIPOGENESIS_7, BURTON_ADIPOGENESIS_7
                                                                                                            GOBP_CALCINEURIN_MEDIATED_SIGNALING, GOBP_CALCINEURIN_MEDIATED_SIGNALING
                                                                                                            BIOCARTA_INTEGRIN_PATHWAY, BIOCARTA_INTEGRIN_PATHWAY
                                                                                                            GOBP_POSITIVE_REGULATION_OF_LEUKOCYTE_CHEMOTAXIS, GOBP_POSITIVE_REGULATION_OF_LEUKOCYTE_CHEMOTAXIS
                                                                                                            GOBP MRNA MODIFICATION, GOBP MRNA MODIFICATION
                                                                                                            GOBP_RESPONSE_TO_MISFOLDED_PROTEIN, GOBP_RESPONSE_TO_MISFOLDED_PROTEIN
                                                                                                            GOBP_TRYPTOPHAN_CATABOLIC_PROCESS, GOBP_TRYPTOPHAN_CATABOLIC_PROCESS
                                                                                                            MIR3160_3P, MIR3160_3P
                                                                                                            GOBP_POSITIVE_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION, GOBP_POSITIVE_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION
                                                                                                             BIOCARTA_BARRESTIN_SRC_PATHWAY, BIOCARTA_BARRESTIN_SRC_PATHWAY
                                                                                                            GOBP_NEGATIVE_REGULATION_OF_LIPID_STORAGE, GOBP_NEGATIVE_REGULATION_OF_LIPID_STORAGE
                                                                                                            HP_STILLBIRTH, HP_STILLBIRTH
                                                                                                            HP_ABNORMALITY_OF_THE_INTERVERTEBRAL_DISK, HP_ABNORMALITY_OF_THE_INTERVERTEBRAL_DISK
                                                                                                           GOMF_SOLUTE_CATION_ANTIPORTER_ACTIVITY, GOMF_SOLUTE_CATION_ANTIPORTER_ACTIVITY
                                                                                                            GOBP_REGULATION_OF_AMINO_ACID_TRANSPORT, GOBP_REGULATION_OF_AMINO_ACID_TRANSPORT
                                                                                                            GOBP_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION, GOBP_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION
                                                                                                            GOBP_MRNA_METHYLATION, GOBP_MRNA_METHYLATION
                                                                                                            GOBP_INTERLEUKIN_1_BETA_PRODUCTION, GOBP_INTERLEUKIN_1_BETA_PRODUCTION
                                                                                                            GOBP RAB PROTEIN SIGNAL TRANSDUCTION, GOBP RAB PROTEIN SIGNAL TRANSDUCTION
                                                                                                            BROWNE_HCMV_INFECTION_10HR_DN, BROWNE_HCMV_INFECTION_10HR_DN
                                                                                                            DESCARTES_MAIN_FETAL_IGFBP1_DKK1_POSITIVE_CELLS, DESCARTES_MAIN_FETAL_IGFBP1_DKK1_POSITIVE_CELLS
                                                                                                            GOBP_CHONDROITIN_SULFATE_PROTEOGLYCAN_METABOLIC_PROCESS, GOBP_CHONDROITIN_SULFATE_PROTEOGLYCAN_METABOLIC_PROCESS
                                                                                                            MIR4330, MIR4330
                                                                                                            GOBP_TRYPTOPHAN_METABOLIC_PROCESS, GOBP_TRYPTOPHAN_METABOLIC_PROCESS
                                                                                                            GOMF_COLLAGEN_BINDING, GOMF_COLLAGEN_BINDING
                                                                                                            GOBP_NEGATIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION, GOBP_NEGATIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION
                                                                                                            PID_INTEGRIN3_PATHWAY, PID_INTEGRIN3_PATHWAY
                                                                                                            GOBP_CELL_CELL_ADHESION_MEDIATED_BY_INTEGRIN, GOBP_CELL_CELL_ADHESION_MEDIATED_BY_INTEGRIN
                                                                                                            LI_PBMC_MENACTRA_AGE_18_45YO_CORRELATED_WITH_ANTI_DT_ANTIBODY_3DY_NEGATIVE, LI_PBMC_MENACTRA_AGE_18_45YO_CORRELATED_WITH_ANTI_DT_ANTIBODY_3DY_NEGATIVE
                                                                                                            KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_SULFATE, KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_SULFATE
                                                                                                            GOBP_POSITIVE_REGULATION_OF_MEMBRANE_PROTEIN_ECTODOMAIN_PROTEOLYSIS, GOBP_POSITIVE_REGULATION_OF_MEMBRANE_PROTEIN_ECTODOMAIN_PROTEOLYSIS
                                                                                                            REACTOME_NON_INTEGRIN_MEMBRANE_ECM_INTERACTIONS, REACTOME_NON_INTEGRIN_MEMBRANE_ECM_INTERACTIONS
                                                                                                            GOBP_AMINE_TRANSPORT, GOBP_AMINE_TRANSPORT
                                                                                                            HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB_OF_THE_YNG_NEGATIVE, HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB_OF_THE_YNG_NEGATIVE, HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB_OF_THE_YNG_NEGATIVE, HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB_OF_THE_YNG_NEGATIVE, HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB_OF_THE_YNG_NEGATIVE, HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB_OF_THE_YNG_NEGATIVE, HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB_OF_THE_YNG_NEGATIVE, HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB_OF_THE_YNG_NEGATIVE, HARALAMBIEVA_PBMC_FLUARIX_AGE_50_74YO_CORR_WITH_28D_MEM_B_CELL_RESPONSE_AT_28DY_LEUK_MIGR_MAPK_ACT_CYTOK_SIG_DIAB
                                                                                                           WP_RELATIONSHIP_BETWEEN_INFLAMMATION_COX2_AND_EGFR, WP_RELATIONSHIP_BETWEEN_INFLAMMATION_COX2_AND_EGFR
                                                                                                            GOBP_HOMOTYPIC_CELL_CELL_ADHESION, GOBP_HOMOTYPIC_CELL_CELL_ADHESION
                                                                                                            REACTOME_ADVANCED_GLYCOSYLATION_ENDPRODUCT_RECEPTOR_SIGNALING, REACTOME_ADVANCED_GLYCOSYLATION_ENDPRODUCT_RECEPTOR_SIGNALING
                                                                                                            REACTOME RUNX2 REGULATES BONE DEVELOPMENT, REACTOME RUNX2 REGULATES BONE DEVELOPMENT
                                                                                                            GOBP_KIDNEY_MORPHOGENESIS, GOBP_KIDNEY_MORPHOGENESIS
                                                                                                            GOMF_CORECEPTOR_ACTIVITY, GOMF_CORECEPTOR_ACTIVITY
                                                                                                            GOBP_SEQUESTERING_OF_TRIGLYCERIDE, GOBP_SEQUESTERING_OF_TRIGLYCERIDE
                                                                                                            GOBP_REGULATION_OF_EPIDERMIS_DEVELOPMENT, GOBP_REGULATION_OF_EPIDERMIS_DEVELOPMENT
                                                                                                            LINDSTEDT_DENDRITIC_CELL_MATURATION_A, LINDSTEDT_DENDRITIC_CELL_MATURATION_A
                                                                                                            BIOCARTA_UCALPAIN_PATHWAY, BIOCARTA_UCALPAIN_PATHWAY
                                                                                                           GOBP_REGULATION_OF_CONNECTIVE_TISSUE_REPLACEMENT, GOBP_REGULATION_OF_CONNECTIVE_TISSUE_REPLACEMENT
                                                                                                            GOBP_TOLL_SIGNALING_PATHWAY, GOBP_TOLL_SIGNALING_PATHWAY
                                                                                                            GOBP_INDOLALKYLAMINE_METABOLIC_PROCESS, GOBP_INDOLALKYLAMINE_METABOLIC_PROCESS
                                                                                                            WP_LTF_DANGER_SIGNAL_RESPONSE_PATHWAY, WP_LTF_DANGER_SIGNAL_RESPONSE_PATHWAY
                                                                                                            GOMF LAMININ BINDING, GOMF LAMININ BINDING
                                                                                                            GOBP_REGULATION_OF_GOLGI_ORGANIZATION, GOBP_REGULATION_OF_GOLGI_ORGANIZATION
                                                                                                           GOBP_ORGAN_GROWTH, GOBP_ORGAN_GROWTH
                                                                                                            WP_OSTEOPONTIN_SIGNALING, WP_OSTEOPONTIN_SIGNALING
                                                                                                            GOBP INDOLE CONTAINING COMPOUND METABOLIC PROCESS, GOBP INDOLE CONTAINING COMPOUND METABOLIC PROCESS
                                                                                                            BIOCARTA_ERK_PATHWAY, BIOCARTA_ERK_PATHWAY
                                                                                                            GOBP_REGULATION_OF_PRODUCTION_OF_SMALL_RNA_INVOLVED_IN_GENE_SILENCING_BY_RNA, GOBP_REGULATION_OF_PRODUCTION_OF_SMALL_RNA_INVOLVED_IN_GENE_SILENCING_BY_RNA
                                                                                                            GOMF N ACETYLGLUCOSAMINE 6 O SULFOTRANSFERASE ACTIVITY, GOMF N ACETYLGLUCOSAMINE 6 O SULFOTRANSFERASE ACTIVITY
                                                                                                            HP_RENAL_TUBULAR_ATROPHY, HP_RENAL_TUBULAR_ATROPHY
                                                                                                            GOBP_KYNURENINE_METABOLIC_PROCESS, GOBP_KYNURENINE_METABOLIC_PROCESS
                                                                                                            GOBP_NEGATIVE_REGULATION_OF_CELL_JUNCTION_ASSEMBLY, GOBP_NEGATIVE_REGULATION_OF_CELL_JUNCTION_ASSEMBLY
                                                                                                            BIOCARTA BARR MAPK PATHWAY, BIOCARTA BARR MAPK PATHWAY
                                                                                                            GOBP_NAD_BIOSYNTHETIC_PROCESS, GOBP_NAD_BIOSYNTHETIC_PROCESS
                                                                                                            GOBP_POSITIVE_REGULATION_OF_NITRIC_OXIDE_METABOLIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_NITRIC_OXIDE_METABOLIC_PROCESS
                                                                                                           REN_MIF_TARGETS_DN, REN_MIF_TARGETS_DN
                                                                                                           GOBP_KETONE_CATABOLIC_PROCESS, GOBP_KETONE_CATABOLIC_PROCESS
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GOBP_NEGATIVE_REGULATION_OF_RECEPTOR_SIGNALING_PATHWAY_VIA_STAT, GOBP_NEGATIVE_REGULATION_OF_RECEPTOR_SIGNALING_PATHWAY_VIA_STAT

GSE2770 IL12 ACT_VS_ACT_CD4_TCELL_2H_DN, GSE2770 IL12 ACT_VS_ACT_CD4_TCELL_2H_DN

GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_UP, GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_UP

GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_MACROPHAGE_DN, GSE1740_MCSF_VS_MCSF_AND_IFNG_DAY2_DERIVED_MACROPHAGE_DN