```
GSE17721_CTRL_VS_PAM3CSK4_6H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_6H_BMDC_UP
                                                                                              GSE19888 ADENOSINE A3R INH VS INH PRETREAT AND ACT WITH TCELL MEMBRANES MAST CELL UP, GSE19888 ADENOSINE A3R INH VS INH PRETREAT AND ACT WITH TCELL MEMBRANES MAST CELL UP
                                                                                              GSE19198_CTRL_VS_IL21_TREATED_TCELL_24H_DN, GSE19198_CTRL_VS_IL21_TREATED_TCELL_24H_DN
                                                                                              GSE36392_MAC_VS_NEUTROPHIL_IL25_TREATED_LUNG_UP, GSE36392_MAC_VS_NEUTROPHIL_IL25_TREATED_LUNG_UP
                                                                                              GSE20715_0H_VS_24H_OZONE_LUNG_UP, GSE20715_0H_VS_24H_OZONE_LUNG_UP
                                                                                              GSE17721_LPS_VS_CPG_4H_BMDC_DN, GSE17721_LPS_VS_CPG_4H_BMDC_DN
                                                                                              GSE32128_INOS_DEPENDENT_VS_INOS_INDEPENDENT_ACTIVATED_TCELL_DN, GSE32128_INOS_DEPENDENT_VS_INOS_INDEPENDENT_ACTIVATED_TCELL_DN
                                                                                              GOLDRATH_NAIVE_VS_MEMORY_CD8_TCELL_UP, GOLDRATH_NAIVE_VS_MEMORY_CD8_TCELL_UP
                                                                                              GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_KO_LIVER_UP, GSE369_PRE_VS_POST_IL6_INJECTION_IFNG_KO_LIVER_UP
                                                                                              GSE27092_WT_VS_HDAC7_PHOSPHO_DEFICIENT_CD8_TCELL_DN, GSE27092_WT_VS_HDAC7_PHOSPHO_DEFICIENT_CD8_TCELL_DN
                                                                                              GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_UP, GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE TREATED DC_UP
                                                                                              GSE27786_BCELL_VS_NKTCELL_DN, GSE27786_BCELL_VS_NKTCELL_DN
                                                                                              GSE17721_CPG_VS_GARDIQUIMOD_24H_BMDC_DN, GSE17721_CPG_VS_GARDIQUIMOD_24H_BMDC_DN
                                                                                              GSE17721_ALL_VS_24H_PAM3CSK4_BMDC_DN, GSE17721_ALL_VS_24H_PAM3CSK4_BMDC_DN
                                                                                              GSE11973_MIR223_KOVS_WT_BONE_MARROW_NEUTROPHIL_UP, GSE11973_MIR223_KOVS_WT_BONE_MARROW_NEUTROPHIL_UP
                                                                                             KAECH_NAIVE_VS_MEMORY_CD8_TCELL_UP, KAECH_NAIVE_VS_MEMORY_CD8_TCELL_UP
                                                                                             GSE31082_DN_VS_CD8_SP_THYMOCYTE_DN, GSE31082_DN_VS_CD8_SP_THYMOCYTE_DN
                                                                                              GSE21033_3H_VS_24H_POLYIC_STIM_DC_DN, GSE21033_3H_VS_24H_POLYIC_STIM_DC_DN
                                                                                              GSE17721_POLYIC_VS_CPG_12H_BMDC_UP, GSE17721_POLYIC_VS_CPG_12H_BMDC_UP
                                                                                              GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_UP, GSE9650_NAIVE_VS_MEMORY_CD8_TCELL_UP
                                                                                              GSE18893_CTRL_VS_TNF_TREATED_TCONV_24H_DN, GSE18893_CTRL_VS_TNF_TREATED_TCONV_24H_DN
                                                                                              GSE12198_CTRL_VS_HIGH_IL2_STIM_NK_CELL_DN, GSE12198_CTRL_VS_HIGH_IL2_STIM_NK_CELL_DN
                                                                                              GSE20715_0H_VS_24H_OZONE_TLR4_KO_LUNG_UP, GSE20715_0H_VS_24H_OZONE_TLR4_KO_LUNG_UP
                                                                                             GSE9037 CTRL VS LPS 4H STIM BMDM UP, GSE9037 CTRL VS LPS 4H STIM BMDM UP
                                                                                              GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_UP, GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_UP
                                                                                              GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_UP, GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_UP
                                                                                              GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_UP, GSE42021_CD24HI_VS_CD24LOW_TCONV_THYMUS_UP
                                                                                             ROSS_AML_WITH_MLL_FUSIONS, ROSS_AML_WITH_MLL_FUSIONS
                                                                                             GOBP_VESICLE_BUDDING_FROM_MEMBRANE, GOBP_VESICLE_BUDDING_FROM_MEMBRANE
                                                                                              GSE26928_EFF_MEM_VS_CENTR_MEM_CD4_TCELL_UP, GSE26928_EFF_MEM_VS_CENTR_MEM_CD4_TCELL_UP
                                                                                              GSE20715_0H_VS_6H_OZONE_LUNG_UP, GSE20715_0H_VS_6H_OZONE_LUNG_UP
                                                                                              PASQUALUCCI_LYMPHOMA_BY_GC_STAGE_DN, PASQUALUCCI_LYMPHOMA_BY_GC_STAGE_DN
                                                                                             GSE13306_TREG_VS_TCONV_LAMINA_PROPRIA_UP, GSE13306_TREG_VS_TCONV_LAMINA_PROPRIA_UP
                                                                                              GSE21360_NAIVE_VS_TERTIARY_MEMORY_CD8_TCELL_UP, GSE21360_NAIVE_VS_TERTIARY_MEMORY_CD8_TCELL_UP
                                                                                              ROSS_AML_WITH_AML1_ETO_FUSION, ROSS_AML_WITH_AML1_ETO_FUSION
                                                                                              MIR8089, MIR8089
                                                                                              GSE16385 MONOCYTE VS MACROPHAGE UP, GSE16385 MONOCYTE VS MACROPHAGE UP
                                                                                              MIR4469, MIR4469
                                                                                              MIR124_5P, MIR124_5P
                                                                                              GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_TGFB_AND_IL4_VS_IL12_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                              MARSON_FOXP3_TARGETS_UP, MARSON_FOXP3_TARGETS_UP
                                                                                              SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP, SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP
                                                                                              REACTOME_BIOSYNTHESIS_OF_THE_N_GLYCAN_PRECURSOR_DOLICHOL_LIPID_LINKED_OLIGOSACCHARIDE_LLO_AND_TRANSFER_TO_A_NASCENT_PROTEIN, REACTOME_BIOSYNTHESIS_DOLIGOSACCHARIDE_LLO_AND_TRANSFER_TO_A_NASCENT_PROTEIN_PROTEIN_TO_THE TO_THE T
                                                                                              GSE35543_IN_VITRO_ITREG_VS_CONVERTED_EX_ITREG_DN, GSE35543_IN_VITRO_ITREG_VS_CONVERTED_EX_ITREG_DN
                                                                                              GSE42021_TCONV_PLN_VS_CD24LO_TCONV_THYMUS_UP, GSE42021_TCONV_PLN_VS_CD24LO_TCONV_THYMUS_UP
                                                                                              GOCC_AZUROPHIL_GRANULE_LUMEN, GOCC_AZUROPHIL_GRANULE_LUMEN
                                                                                              HP_ABNORMAL_TRACHEA_MORPHOLOGY, HP_ABNORMAL_TRACHEA_MORPHOLOGY
                                                                                              GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_UP, GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_UP
                                                                                              MIR664A_5P, MIR664A_5P
                                                                                              GOMF_STEROID_HORMONE_RECEPTOR_BINDING, GOMF_STEROID_HORMONE_RECEPTOR_BINDING
                                                                                              MIR4700_3P, MIR4700_3P
                                                                                              TBK1.DN.48HRS_UP, TBK1.DN.48HRS_UP
                                                                                              GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                              GOBP_NUCLEOSIDE_DIPHOSPHATE_METABOLIC_PROCESS, GOBP_NUCLEOSIDE_DIPHOSPHATE_METABOLIC_PROCESS
                                                                                              GOBP_COPII_COATED_VESICLE_BUDDING, GOBP_COPII_COATED_VESICLE_BUDDING
                                                                                              GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN, GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_IKAROS_KO_DN
                                                                                              REACTOME COPIL MEDIATED VESICLE TRANSPORT, REACTOME COPIL MEDIATED VESICLE TRANSPORT
                                                                                              GOBP_PROTEIN_K48_LINKED_UBIQUITINATION, GOBP_PROTEIN_K48_LINKED_UBIQUITINATION
                                                                                              HP_UPPER_LIMB_UNDERGROWTH, HP_UPPER_LIMB_UNDERGROWTH
                                                                                              MIR936, MIR936
                                                                                              MIR216B 5P, MIR216B 5P
                                                                                              GOBP_REGULATION_OF_VACUOLE_ORGANIZATION, GOBP_REGULATION_OF_VACUOLE_ORGANIZATION
                                                                                              GSE32255_WT_VS_JMJD2D_KNOCKDOWN_4H_LPS_STIM_DC_UP, GSE32255_WT_VS_JMJD2D_KNOCKDOWN_4H_LPS_STIM_DC_UP
                                                                                              REACTOME RAC3 GTPASE CYCLE, REACTOME RAC3 GTPASE CYCLE
                                                                                              GOBP_PROTEIN_LOCALIZATION_TO_VACUOLE, GOBP_PROTEIN_LOCALIZATION_TO_VACUOLE
                                                                                              HP_DISPROPORTIONATE_SHORT_STATURE, HP_DISPROPORTIONATE_SHORT_STATURE
                                                                                              HP_ABNORMALITY_OF_CORNEAL_SIZE, HP_ABNORMALITY_OF_CORNEAL_SIZE
                                                                                              CHUNG BLISTER CYTOTOXICITY DN, CHUNG BLISTER CYTOTOXICITY DN
                                                                                              GOBP_MULTIVESICULAR_BODY_ORGANIZATION, GOBP_MULTIVESICULAR_BODY_ORGANIZATION
                                                                                              BRACHAT_RESPONSE_TO_CAMPTOTHECIN_DN, BRACHAT_RESPONSE_TO_CAMPTOTHECIN_DN
                                                                                              MODULE_243, MODULE_243
                                                                                              REACTOME_CARGO_RECOGNITION_FOR_CLATHRIN_MEDIATED_ENDOCYTOSIS, REACTOME_CARGO_RECOGNITION_FOR_CLATHRIN_MEDIATED_ENDOCYTOSIS
                                                                                             HP_LUMBAR_HYPERLORDOSIS, HP_LUMBAR_HYPERLORDOSIS
                                                                                             HP_APLASIA_HYPOPLASIA_INVOLVING_THE_VERTEBRAL_COLUMN, HP_APLASIA_HYPOPLASIA_INVOLVING_THE_VERTEBRAL_COLUMN
                                                                                              WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_MAPK_SIGNALING, WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_MAPK_SIGNALING
                                                                                              GOBP_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_VACUOLE, GOBP_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_VACUOLE
                                                                                              KEGG_GNRH_SIGNALING_PATHWAY, KEGG_GNRH_SIGNALING_PATHWAY
                                                                                              ZHU_CMV_8 HR_DN, ZHU_CMV_8 HR_DN
                                                                                             HP DEMYELINATING PERIPHERAL NEUROPATHY, HP DEMYELINATING PERIPHERAL NEUROPATHY
                                                                                              GRABARCZYK_BCL11B_TARGETS_DN, GRABARCZYK_BCL11B_TARGETS_DN
                                                                                              GOMF_UBIQUITIN_LIKE_PROTEIN_CONJUGATING_ENZYME_ACTIVITY, GOMF_UBIQUITIN_LIKE_PROTEIN_CONJUGATING_ENZYME_ACTIVITY
                                                                                              GOBP_MULTIVESICULAR_BODY_SORTING_PATHWAY, GOBP_MULTIVESICULAR_BODY_SORTING_PATHWAY
                                                                                              TRAVAGLINI_LUNG_NATURAL_KILLER_CELL, TRAVAGLINI_LUNG_NATURAL_KILLER_CELL
                                                                                              KEGG_VEGF_SIGNALING_PATHWAY, KEGG_VEGF_SIGNALING_PATHWAY
                                                                                              REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FOR_TRANSPORT_ESCRT, REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FOR_TRANSPORT_ESCRT
                                                                                              GOCC_PERICENTRIC_HETEROCHROMATIN, GOCC_PERICENTRIC_HETEROCHROMATIN
                                                                                              GOBP_MITOCHONDRIAL_FISSION, GOBP_MITOCHONDRIAL_FISSION
                                                                                              GOMF_PHOSPHATIDYLINOSITOL_3_PHOSPHATE_BINDING, GOMF_PHOSPHATIDYLINOSITOL_3_PHOSPHATE_BINDING
                                                                                              REACTOME_SPHINGOLIPID_METABOLISM, REACTOME_SPHINGOLIPID_METABOLISM
                                                                                              PEART_HDAC_PROLIFERATION_CLUSTER_UP, PEART_HDAC_PROLIFERATION_CLUSTER_UP
                                                                                              GOBP_POSITIVE_REGULATION_OF_ATPASE_ACTIVITY, GOBP_POSITIVE_REGULATION_OF_ATPASE_ACTIVITY
                                                                                              CUI_GLUCOSE_DEPRIVATION, CUI_GLUCOSE_DEPRIVATION
                                                                                              HOFT_CD4_POSITIVE_ALPHA_BETA_MEMORY_T_CELL_BCG_VACCINE_AGE_18_45YO_ID_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP, HOFT_CD4_POSITIVE_ALPHA_BCG_VACCINE_AGE_18_45YO_ID_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP, HOFT_CD4_POSITIVE_ALPHA_BCG_VACCINE_AGE_18_45YO_ID_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP, HOFT_CD4_POSITIVE_ALPHA_BCG_VACCINE_AGE_18_45YO_ID_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP, HOFT_CD4_POSITIVE_AGE_18_5YO_ID_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP, HOFT_CD4_POSITIVE_AGE_18_5YO_ID_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP
                                                                                              MIR6883_3P, MIR6883_3P
                                                                                              KEGG AMINO SUGAR AND NUCLEOTIDE SUGAR METABOLISM, KEGG AMINO SUGAR AND NUCLEOTIDE SUGAR METABOLISM
                                                                                              CHOW_RASSF1_TARGETS_DN, CHOW_RASSF1_TARGETS_DN
                                                                                              GOBP_LATE_ENDOSOME_TO_VACUOLE_TRANSPORT, GOBP_LATE_ENDOSOME_TO_VACUOLE_TRANSPORT
                                                                                              GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_6_PRODUCTION, GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_6_PRODUCTION
                                                                                              GOMF_ANDROGEN_RECEPTOR_BINDING, GOMF_ANDROGEN_RECEPTOR_BINDING
                                                                                              KEGG_LONG_TERM_POTENTIATION, KEGG_LONG_TERM_POTENTIATION
                                                                                              GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_UP, GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_UP
                                                                                              GOBP_REGULATION_OF_MITOCHONDRIAL_FISSION, GOBP_REGULATION_OF_MITOCHONDRIAL_FISSION
                                                                                             HP_APLASIA_HYPOPLASIA_OF_THE_UVULA, HP_APLASIA_HYPOPLASIA_OF_THE_UVULA
                                                                                             GSE34156_UNTREATED_VS_6H_NOD2_AND_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_UP, GSE34156_UNTREATED_VS_6H_NOD2_AND_TLR1_TLR2_LIGAND_TREATED_MONOCYTE_UP
                                                                                             GOBP_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS, GOBP_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS
                                                                                              REACTOME_SYNTHESIS_OF_SUBSTRATES_IN_N_GLYCAN_BIOSYTHESIS, REACTOME_SYNTHESIS_OF_SUBSTRATES_IN_N_GLYCAN_BIOSYTHESIS
                                                                                             WP_NONGENOMIC_ACTIONS_OF_125_DIHYDROXYVITAMIN_D3, WP_NONGENOMIC_ACTIONS_OF_125_DIHYDROXYVITAMIN_D3
                                                                                             GOBP_GLYCOSPHINGOLIPID_METABOLIC_PROCESS, GOBP_GLYCOSPHINGOLIPID_METABOLIC_PROCESS
                                                                                             GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_8_PRODUCTION, GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_8_PRODUCTION
                                                                                             GCM_MAPK10, GCM_MAPK10
                                                                                             MIR6511A_3P_MIR6511B_3P, MIR6511A_3P_MIR6511B_3P
                                                                                             BRACHAT_RESPONSE_TO_METHOTREXATE_DN, BRACHAT_RESPONSE_TO_METHOTREXATE DN
                                                                                             MODULE_327, MODULE_327
                                                                                            HP_FLAT_FACE, HP_FLAT_FACE
                                                                                             ZHOU_TNF_SIGNALING_4HR, ZHOU_TNF_SIGNALING_4HR
                                                                                            REACTOME_SIGNALING_BY_BRAF_AND_RAF_FUSIONS, REACTOME_SIGNALING_BY_BRAF_AND_RAF_FUSIONS
                                                                                            HP_ACETABULAR_DYSPLASIA, HP_ACETABULAR_DYSPLASIA
                                                                                            GOBP_AMP_METABOLIC_PROCESS, GOBP_AMP_METABOLIC_PROCESS
                                                                                             MIR345_5P, MIR345_5P
                                                                                             BOYLAN_MULTIPLE_MYELOMA_D_CLUSTER_DN, BOYLAN_MULTIPLE_MYELOMA_D_CLUSTER_DN
                                                                                             CEBALLOS_TARGETS_OF_TP53_AND_MYC_DN, CEBALLOS_TARGETS_OF_TP53_AND_MYC_DN
                                                                                              HAHTOLA_SEZARY_SYNDROM_DN, HAHTOLA_SEZARY_SYNDROM_DN
                                                                                              GOCC_TRAPP_COMPLEX, GOCC_TRAPP_COMPLEX
                                                                                              MIR7158_5P, MIR7158_5P
                                                                                              WP_CALCIUM_REGULATION_IN_THE_CARDIAC_CELL, WP_CALCIUM_REGULATION_IN_THE_CARDIAC_CELL
                                                                                              GOBP_RESPONSE_TO_REDOX_STATE, GOBP_RESPONSE_TO_REDOX_STATE
                                                                                              GOBP_ENDOSOME_TRANSPORT_VIA_MULTIVESICULAR_BODY_SORTING_PATHWAY, GOBP_ENDOSOME_TRANSPORT_VIA_MULTIVESICULAR_BODY_SORTING_PATHWAY
                                                                                              GOBP_POSITIVE_REGULATION_OF_LEUKOCYTE_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_LEUKOCYTE_PROLIFERATION
                                                                                              HP_VERTEBRAL_HYPOPLASIA, HP_VERTEBRAL_HYPOPLASIA
                                                                                              GOBP_SYNAPTIC_VESICLE_CYTOSKELETAL_TRANSPORT, GOBP_SYNAPTIC_VESICLE_CYTOSKELETAL_TRANSPORT
                                                                                              GOBP_NUCLEOTIDE_SUGAR_METABOLIC_PROCESS, GOBP_NUCLEOTIDE_SUGAR_METABOLIC_PROCESS
                                                                                              MIR380_5P, MIR380_5P
                                                                                              HP_CLUBBING_OF_TOES, HP_CLUBBING_OF_TOES
                                                                                              WP EICOSANOID METABOLISM VIA CYCLO OXYGENASES COX, WP EICOSANOID METABOLISM VIA CYCLO OXYGENASES COX
                                                                                              GOBP_POSITIVE_REGULATION_OF_TUMOR_NECROSIS_FACTOR_SUPERFAMILY_CYTOKINE_PRODUCTION, GOBP_POSITIVE_REGULATION_OF_TUMOR_NECROSIS_FACTOR_SUPERFAMILY_CYTOKINE_PRODUCTION
CT_VS_ACT_CD4_TCELL_2H_UP, GSE2770_IL4_ACT_VS_ACT_CD4_TCELL_2H_UP
                                                                                              GENTILE_UV_RESPONSE_CLUSTER_D5, GENTILE_UV_RESPONSE_CLUSTER_D5
                                                                                              GOBP_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY, GOBP_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY
                                                                                              WP_NANOPARTICLEMEDIATED_ACTIVATION_OF_RECEPTOR_SIGNALING, WP_NANOPARTICLEMEDIATED_ACTIVATION_OF_RECEPTOR_SIGNALING
                                                                                              GOBP_INTERFERON_ALPHA_PRODUCTION, GOBP_INTERFERON_ALPHA_PRODUCTION
                                                                                              GOBP_POSITIVE_REGULATION_OF_COAGULATION, GOBP_POSITIVE_REGULATION_OF_COAGULATION
                                                                                              WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_INTERFERON_INDUCTION, WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_INTERFERON_INDUCTION
                                                                                              GOBP_ACTIVATION_OF_MAPKK_ACTIVITY, GOBP_ACTIVATION_OF_MAPKK_ACTIVITY
                                                                                              PID_P38_ALPHA_BETA_PATHWAY, PID_P38_ALPHA_BETA_PATHWAY
                                                                                              HP_HYPOPLASTIC_VERTEBRAL_BODIES, HP_HYPOPLASTIC_VERTEBRAL_BODIES
                                                                                              HP_TYPE_II_LISSENCEPHALY, HP_TYPE_II_LISSENCEPHALY
                                                                                              BIOCARTA GPCR PATHWAY, BIOCARTA GPCR PATHWAY
                                                                                              REACTOME GLYCOSPHINGOLIPID METABOLISM, REACTOME GLYCOSPHINGOLIPID METABOLISM
                                                                                              GOBP_PEPTIDYL_GLUTAMIC_ACID_MODIFICATION, GOBP_PEPTIDYL_GLUTAMIC_ACID_MODIFICATION
                                                                                              REACTOME PEROXISOMAL LIPID METABOLISM, REACTOME PEROXISOMAL LIPID METABOLISM
                                                                                              HAY_BONE_MARROW_CD8_T_CELL, HAY_BONE_MARROW_CD8_T_CELL
                                                                                              ZNF502_TARGET_GENES, ZNF502_TARGET_GENES
                                                                                              BIOCARTA_PAR1_PATHWAY, BIOCARTA_PAR1_PATHWAY
                                                                                             WANG_ADIPOGENIC_GENES_REPRESSED_BY_SIRT1, WANG_ADIPOGENIC_GENES_REPRESSED_BY_SIRT1
                                                                                             HP_HYPOPLASIA_OF_THE_ODONTOID_PROCESS, HP_HYPOPLASIA_OF_THE_ODONTOID_PROCESS
                                                                                             HP_ABNORMAL_MORPHOLOGY_OF_THE_CONJUNCTIVAL_VASCULATURE, HP_ABNORMAL_MORPHOLOGY_OF_THE_CONJUNCTIVAL_VASCULATURE
                                                                                             GOCC_CLATHRIN_ADAPTOR_COMPLEX, GOCC_CLATHRIN_ADAPTOR_COMPLEX
                                                                                             HP_DYSOSTOSIS_MULTIPLEX, HP_DYSOSTOSIS_MULTIPLEX
                                                                                              REACTOME_RHO_GTPASES_ACTIVATE_NADPH_OXIDASES, REACTOME_RHO_GTPASES_ACTIVATE_NADPH_OXIDASES
                                                                                             HP_HYDROURETER, HP_HYDROURETER
                                                                                              GOBP_INTERLEUKIN_8_PRODUCTION, GOBP_INTERLEUKIN_8_PRODUCTION
                                                                                              MODULE_530, MODULE_530
                                                                                              WP_REGULATORY_CIRCUITS_OF_THE_STAT3_SIGNALING_PATHWAY, WP_REGULATORY_CIRCUITS_OF_THE_STAT3_SIGNALING_PATHWAY
                                                                                              REACTOME_CYTOSOLIC_IRON_SULFUR_CLUSTER_ASSEMBLY, REACTOME_CYTOSOLIC_IRON_SULFUR_CLUSTER_ASSEMBLY
                                                                                             GOBP_MITOTIC_SISTER_CHROMATID_COHESION, GOBP_MITOTIC_SISTER_CHROMATID_COHESION
                                                                                              VALK_AML_CLUSTER_6, VALK_AML_CLUSTER_6
                                                                                              PID_FAS_PATHWAY, PID_FAS_PATHWAY
                                                                                              GOBP_PIGMENT_GRANULE_ORGANIZATION, GOBP_PIGMENT_GRANULE_ORGANIZATION
                                                                                             GOBP_LATE_ENDOSOME_TO_VACUOLE_TRANSPORT_VIA_MULTIVESICULAR_BODY_SORTING_PATHWAY, GOBP_LATE_ENDOSOME_TO_VACUOLE_TRANSPORT_VIA_MULTIVESICULAR_BODY_SORTING_PATHWAY
                                                                                             GOBP_SIGNAL_TRANSDUCTION_IN_ABSENCE_OF_LIGAND, GOBP_SIGNAL_TRANSDUCTION_IN_ABSENCE_OF_LIGAND
                                                                                              GOBP_REGULATION_OF_ARP2_3_COMPLEX_MEDIATED_ACTIN_NUCLEATION, GOBP_REGULATION_OF_ARP2_3_COMPLEX_MEDIATED_ACTIN_NUCLEATION
                                                                                              GOCC_ESCRT_COMPLEX, GOCC_ESCRT_COMPLEX
                                                                                              PID_ALK1_PATHWAY, PID_ALK1_PATHWAY
                                                                                              BERTUCCI_INVASIVE_CARCINOMA_DUCTAL_VS_LOBULAR_UP, BERTUCCI_INVASIVE_CARCINOMA_DUCTAL_VS_LOBULAR_UP
                                                                                              REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS, REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS
                                                                                              KIM_LIVER_CANCER_POOR_SURVIVAL_UP, KIM_LIVER_CANCER_POOR_SURVIVAL_UP
                                                                                              GOMF_CALCIUM_CHANNEL_REGULATOR_ACTIVITY, GOMF_CALCIUM_CHANNEL_REGULATOR_ACTIVITY
                                                                                              GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_10_PRODUCTION, GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_10_PRODUCTION
                                                                                              KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM, KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM
                                                                                              NGO_MALIGNANT_GLIOMA_1P_LOH, NGO_MALIGNANT_GLIOMA_1P_LOH
                                                                                              BIOCARTA_CREB_PATHWAY, BIOCARTA_CREB_PATHWAY
                                                                                              LIM_MAMMARY_LUMINAL_MATURE_UP, LIM_MAMMARY_LUMINAL_MATURE_UP
                                                                                              HP LARGE FOREHEAD, HP LARGE FOREHEAD
                                                                                              HP_MUSCLE_FIBER_INCLUSION_BODIES, HP_MUSCLE_FIBER_INCLUSION_BODIES
                                                                                              SCHRAETS_MLL_TARGETS_UP, SCHRAETS_MLL_TARGETS_UP
                                                                                              GOBP_POSITIVE_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_HOST, GOBP_POSITIVE_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_HOST
                                                                                              GOMF_CALCIUM_DEPENDENT_PROTEIN_KINASE_ACTIVITY, GOMF_CALCIUM_DEPENDENT_PROTEIN_KINASE_ACTIVITY
                                                                                              REACTOME_OPIOID_SIGNALLING, REACTOME_OPIOID_SIGNALLING
                                                                                              GOMF_UDP_GLYCOSYLTRANSFERASE_ACTIVITY, GOMF_UDP_GLYCOSYLTRANSFERASE_ACTIVITY
                                                                                              HP_SOUND_SENSITIVITY, HP_SOUND_SENSITIVITY
                                                                                              BIOCARTA ARENRF2 PATHWAY, BIOCARTA ARENRF2 PATHWAY
                                                                                             GOBP_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_HOST, GOBP_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_HOST
                                                                                              BIOCARTA CCR5 PATHWAY, BIOCARTA CCR5 PATHWAY
                                                                                              GOBP N TERMINAL PROTEIN AMINO ACID ACETYLATION, GOBP N TERMINAL PROTEIN AMINO ACID ACETYLATION
                                                                                              GOBP_CELLULAR_RESPONSE_TO_EXOGENOUS_DSRNA, GOBP_CELLULAR_RESPONSE_TO_EXOGENOUS_DSRNA
                                                                                              WP_SYNAPTIC_VESICLE_PATHWAY, WP_SYNAPTIC_VESICLE_PATHWAY
                                                                                              GOBP_RESPONSE_TO_NITROSATIVE_STRESS, GOBP_RESPONSE_TO_NITROSATIVE_STRESS
                                                                                             GOBP_PLATELET_DENSE_GRANULE_ORGANIZATION, GOBP_PLATELET_DENSE_GRANULE_ORGANIZATION
                                                                                              GOBP_FOLIC_ACID_TRANSPORT, GOBP_FOLIC_ACID_TRANSPORT
                                                                                              GOBP_MAINTENANCE_OF_SISTER_CHROMATID_COHESION, GOBP_MAINTENANCE_OF_SISTER_CHROMATID_COHESION
                                                                                              ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_6HR_DN, ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_6HR_DN
                                                                                              GOBP_NUCLEOTIDE_SUGAR_BIOSYNTHETIC_PROCESS, GOBP_NUCLEOTIDE_SUGAR_BIOSYNTHETIC_PROCESS
                                                                                              REACTOME SYNTHESIS OF BILE ACIDS AND BILE SALTS VIA 7ALPHA HYDROXYCHOLESTEROL, REACTOME SYNTHESIS OF BILE ACIDS AND BILE SALTS VIA 7ALPHA HYDROXYCHOLESTEROL
                                                                                              PID_NFKAPPAB_ATYPICAL_PATHWAY, PID_NFKAPPAB_ATYPICAL_PATHWAY
                                                                                              KLEIN_TARGETS_OF_BCR_ABL1_FUSION, KLEIN_TARGETS_OF_BCR_ABL1_FUSION
                                                                                              WP_WNT_SIGNALING, WP_WNT_SIGNALING
                                                                                              REACTOME SYNTHESIS OF BILE ACIDS AND BILE SALTS, REACTOME SYNTHESIS OF BILE ACIDS AND BILE SALTS
                                                                                              WP_CORTICOTROPINRELEASING_HORMONE_SIGNALING_PATHWAY, WP_CORTICOTROPINRELEASING_HORMONE_SIGNALING_PATHWAY
                                                                                              CHNG_MULTIPLE_MYELOMA_HYPERPLOID_DN, CHNG_MULTIPLE_MYELOMA_HYPERPLOID_DN
                                                                                              GOMF_PEPTIDE_ALPHA_N_ACETYLTRANSFERASE_ACTIVITY, GOMF_PEPTIDE_ALPHA_N_ACETYLTRANSFERASE_ACTIVITY
                                                                                              GOBP_REGULATION_OF_SISTER_CHROMATID_COHESION, GOBP_REGULATION_OF_SISTER_CHROMATID_COHESION
                                                                                              CHEMELLO_SOLEUS_VS_EDL_MYOFIBERS_UP, CHEMELLO_SOLEUS_VS_EDL_MYOFIBERS_UP
                                                                                              BIOCARTA_MEF2D_PATHWAY, BIOCARTA_MEF2D_PATHWAY
                                                                                              BIOCARTA_CALCINEURIN_PATHWAY, BIOCARTA_CALCINEURIN_PATHWAY
                                                                                              MIR5192, MIR5192
                                                                                              HP_FACIAL_HYPOTONIA, HP_FACIAL_HYPOTONIA
                                                                                              GOBP_IRON_COORDINATION_ENTITY_TRANSPORT, GOBP_IRON_COORDINATION_ENTITY_TRANSPORT
                                                                                              BIOCARTA_PLC_PATHWAY, BIOCARTA_PLC_PATHWAY
                                                                                              GOBP_REGULATION_OF_ER_ASSOCIATED_UBIQUITIN_DEPENDENT_PROTEIN_CATABOLIC_PROCESS, GOBP_REGULATION_OF_ER_ASSOCIATED_UBIQUITIN_DEPENDENT_PROTEIN_CATABOLIC_PROCESS
                                                                                              GOBP_G_QUADRUPLEX_DNA_UNWINDING, GOBP_G_QUADRUPLEX_DNA_UNWINDING
                                                                                              GOBP_POSITIVE_REGULATION_OF_ER_ASSOCIATED_UBIQUITIN_DEPENDENT_PROTEIN_CATABOLIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_ER_ASSOCIATED_UBIQUITIN_DEPENDENT_PROTEIN_CATABOLIC_PROCESS
                                                                                              MAGRANGEAS_MULTIPLE_MYELOMA_IGLL_VS_IGLK_DN, MAGRANGEAS_MULTIPLE_MYELOMA_IGLL_VS_IGLK_DN
                                                                                              WP_FOLATEALCOHOL_AND_CANCER_PATHWAY_HYPOTHESES, WP_FOLATEALCOHOL_AND_CANCER_PATHWAY_HYPOTHESES
                                                                                              GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_2_PRODUCTION, GOBP_POSITIVE_REGULATION_OF_INTERLEUKIN_2_PRODUCTION
                                                                                              HP_ABNORMAL_MORPHOLOGY_OF_THE_MUSCULATURE_OF_THE_NECK, HP_ABNORMAL_MORPHOLOGY_OF_THE_MUSCULATURE_OF_THE_NECK
                                                                                              GOBP_PHOSPHATIDYLGLYCEROL_BIOSYNTHETIC_PROCESS, GOBP_PHOSPHATIDYLGLYCEROL_BIOSYNTHETIC_PROCESS
                                                                                              HP_LIVER_ABSCESS, HP_LIVER_ABSCESS
                                                                                              HP_RESPONSE_TO_DRUGS_ACTING_ON_NEUROMUSCULAR_TRANSMISSION, HP_RESPONSE_TO_DRUGS_ACTING_ON_NEUROMUSCULAR_TRANSMISSION
                                                                                              REACTOME_DEX_H_BOX_HELICASES_ACTIVATE_TYPE_I_IFN_AND_INFLAMMATORY_CYTOKINES_PRODUCTION, REACTOME_DEX_H_BOX_HELICASES_ACTIVATE_TYPE_I_IFN_AND_INFLAMMATORY_CYTOKINES_PRODUCTION
                                                                                              GOMF_XENOBIOTIC_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_XENOBIOTIC_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                              GILDEA_METASTASIS, GILDEA_METASTASIS
                                                                                              PID_RAC1_REG_PATHWAY, PID_RAC1_REG_PATHWAY
                                                                                              GOBP_TUMOR_NECROSIS_FACTOR_SUPERFAMILY_CYTOKINE_PRODUCTION, GOBP_TUMOR_NECROSIS_FACTOR_SUPERFAMILY_CYTOKINE_PRODUCTION
                                                                                              GOBP_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION
                                                                                              GOBP_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_ABSENCE_OF_LIGAND, GOBP_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_ABSENCE_OF_LIGAND
                                                                                              ZHONG_PFC_C1_NEUROD1_POS_EXCITATORY_NEURON, ZHONG_PFC_C1_NEUROD1_POS_EXCITATORY_NEURON
                                                                                              GOMF_FATTY_ACID_BINDING, GOMF_FATTY_ACID_BINDING
                                                                                              PID_P38_MKK3_6PATHWAY, PID_P38_MKK3_6PATHWAY
                                                                                              GOBP_DENDRITIC_CELL_CYTOKINE_PRODUCTION, GOBP_DENDRITIC_CELL_CYTOKINE_PRODUCTION
                                                                                              GOMF_G_PROTEIN_ALPHA_SUBUNIT_BINDING, GOMF_G_PROTEIN_ALPHA_SUBUNIT_BINDING
                                                                                              GOBP_CELLULAR_RESPONSE_TO_DSRNA, GOBP_CELLULAR_RESPONSE_TO_DSRNA
                                                                                              REACTOME_RECEPTOR_MEDIATED_MITOPHAGY, REACTOME_RECEPTOR_MEDIATED_MITOPHAGY
                                                                                              GOBP_POSITIVE_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_ANTIGEN_RECEPTOR_MEDIATED_SIGNALING_PATHWAY
                                                                                              MAGRANGEAS_MULTIPLE_MYELOMA_IGG_VS_IGA_UP, MAGRANGEAS_MULTIPLE_MYELOMA_IGG_VS_IGA_UP
                                                                                              GOBP_NUCLEOSIDE_DIPHOSPHATE_BIOSYNTHETIC_PROCESS, GOBP_NUCLEOSIDE_DIPHOSPHATE_BIOSYNTHETIC_PROCESS
                                                                                              GOBP_MAINTENANCE_OF_ORGANELLE_LOCATION, GOBP_MAINTENANCE_OF_ORGANELLE_LOCATION
                                                                                              GOBP_NEGATIVE_REGULATION_OF_CYTOKINESIS, GOBP_NEGATIVE_REGULATION_OF_CYTOKINESIS
                                                                                             GOBP_PURINE_NUCLEOSIDE_DIPHOSPHATE_BIOSYNTHETIC_PROCESS, GOBP_PURINE_NUCLEOSIDE_DIPHOSPHATE_BIOSYNTHETIC_PROCESS
                                                                                              GOBP_POSITIVE_REGULATION_OF_INTERFERON_ALPHA_PRODUCTION, GOBP_POSITIVE_REGULATION_OF_INTERFERON_ALPHA_PRODUCTION
                                                                                              HP_PROTRUDING_TONGUE, HP_PROTRUDING_TONGUE
                                                                                             HP_TRACHEAL_STENOSIS, HP_TRACHEAL_STENOSIS
                                                                                              HOWLIN_CITED1_TARGETS_1_DN, HOWLIN_CITED1_TARGETS_1_DN
                                                                                              GOBP_HEME_TRANSPORT, GOBP_HEME_TRANSPORT
                                                                                              HOLLEMAN_VINCRISTINE_RESISTANCE_B_ALL_DN, HOLLEMAN_VINCRISTINE_RESISTANCE_B_ALL_DN
                                                                                              HP_ABNORMALITY_OF_THE_ODONTOID_PROCESS, HP_ABNORMALITY_OF_THE_ODONTOID_PROCESS
                                                                                             HP_ABNORMAL_THALAMIC_MRI_SIGNAL_INTENSITY, HP_ABNORMAL_THALAMIC_MRI_SIGNAL_INTENSITY
                                                                                             HP_PROGRESSIVE_SPASTIC_QUADRIPLEGIA, HP_PROGRESSIVE_SPASTIC_QUADRIPLEGIA
                                                                                              MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_12, MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_12
                                                                                              GOBP_NK_T_CELL_DIFFERENTIATION, GOBP_NK_T_CELL_DIFFERENTIATION
                                                                                              ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_DN, ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_DN
                                                                                              GOBP_MORPHOGENESIS_OF_AN_ENDOTHELIUM, GOBP_MORPHOGENESIS_OF_AN_ENDOTHELIUM
                                                                                              HP_ABNORMAL_FOOT_BONE_OSSIFICATION, HP_ABNORMAL_FOOT_BONE_OSSIFICATION
                                                                                              BIOCARTA_SPPA_PATHWAY, BIOCARTA_SPPA_PATHWAY
                                                                                              GOBP_GLYCOLYTIC_PROCESS_THROUGH_FRUCTOSE_6_PHOSPHATE, GOBP_GLYCOLYTIC_PROCESS_THROUGH_FRUCTOSE_6_PHOSPHATE
                                                                                              REACTOME_TRAFFICKING_OF_MYRISTOYLATED_PROTEINS_TO_THE_CILIUM, REACTOME_TRAFFICKING_OF_MYRISTOYLATED_PROTEINS_TO_THE_CILIUM
                                                                                              HP_DILATATION_OF_THE_VENTRICULAR_CAVITY, HP_DILATATION_OF_THE_VENTRICULAR_CAVITY
                                                                                              GOBP_WOUND_HEALING_INVOLVED_IN_INFLAMMATORY_RESPONSE, GOBP_WOUND_HEALING_INVOLVED_IN_INFLAMMATORY_RESPONSE
                                                                                              GOBP_RNA_SECONDARY_STRUCTURE_UNWINDING, GOBP_RNA_SECONDARY_STRUCTURE_UNWINDING
                                                                                              GOBP_POSITIVE_REGULATION_OF_TRANSLATION_IN_RESPONSE_TO_STRESS, GOBP_POSITIVE_REGULATION_OF_TRANSLATION_IN_RESPONSE_TO_STRESS
                                                                                              GOBP_REGULATION_OF_MAINTENANCE_OF_SISTER_CHROMATID_COHESION, GOBP_REGULATION_OF_MAINTENANCE_OF_SISTER_CHROMATID_COHESION
                                                                                              GOCC_CONDENSIN_COMPLEX, GOCC_CONDENSIN_COMPLEX
                                                                                              GOCC_ENDOPLASMIC_RETICULUM_EXIT_SITE, GOCC_ENDOPLASMIC_RETICULUM_EXIT_SITE
                                                                                              REACTOME_CARGO_CONCENTRATION_IN_THE_ER, REACTOME_CARGO_CONCENTRATION_IN_THE_ER
                                                                                              GOCC_PLATELET_DENSE_TUBULAR_NETWORK, GOCC_PLATELET_DENSE_TUBULAR_NETWORK
                                                                                              HP_ABNORMAL_MUSCLE_FIBER_ALPHA_DYSTROGLYCAN, HP_ABNORMAL_MUSCLE_FIBER_ALPHA_DYSTROGLYCAN
                                                                                              REACTOME_ACTIVATION_OF_THE_AP_1_FAMILY_OF_TRANSCRIPTION_FACTORS, REACTOME_ACTIVATION_OF_THE_AP_1_FAMILY_OF_TRANSCRIPTION_FACTORS
                                                                                              GOCC SPECTRIN, GOCC SPECTRIN
                                                                                              GOCC_RISC_LOADING_COMPLEX, GOCC_RISC_LOADING_COMPLEX
                                                                                              GOMF_SMALL_MOLECULE_SENSOR_ACTIVITY, GOMF_SMALL_MOLECULE_SENSOR_ACTIVITY
                                                                                              MIR1180_3P, MIR1180_3P
                                                                                              HP_ANGIOKERATOMA, HP_ANGIOKERATOMA
                                                                                              HP_ABNORMAL_GLYCOSPHINGOLIPID_METABOLISM, HP_ABNORMAL_GLYCOSPHINGOLIPID_METABOLISM
                                                                                              GOBP_3_PHOSPHOADENOSINE_5_PHOSPHOSULFATE_BIOSYNTHETIC_PROCESS, GOBP_3_PHOSPHOADENOSINE_5_PHOSPHOSULFATE_BIOSYNTHETIC_PROCESS
                                                                                              GOCC_RAGULATOR_COMPLEX, GOCC_RAGULATOR_COMPLEX
                                                                                              REACTOME_TRANSPORT_AND_SYNTHESIS_OF_PAPS, REACTOME_TRANSPORT_AND_SYNTHESIS_OF_PAPS
                                                                                              REACTOME_CONDENSATION_OF_PROMETAPHASE_CHROMOSOMES, REACTOME_CONDENSATION_OF_PROMETAPHASE_CHROMOSOMES
                                                                                              REACTOME_BILE_ACID_AND_BILE_SALT_METABOLISM, REACTOME_BILE_ACID_AND_BILE_SALT_METABOLISM
                                                                                              GOMF_CADHERIN_BINDING_INVOLVED_IN_CELL_CELL_ADHESION, GOMF_CADHERIN_BINDING_INVOLVED_IN_CELL_CELL_ADHESION
                                                                                              WANG_BARRETTS_ESOPHAGUS_UP, WANG_BARRETTS_ESOPHAGUS_UP
                                                                                              GOBP_PURINE_DEOXYRIBONUCLEOTIDE_METABOLIC_PROCESS, GOBP_PURINE_DEOXYRIBONUCLEOTIDE_METABOLIC_PROCESS
                                                                                              GOBP_POSITIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
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GSE41867 NAIVE VS DAY30 LCMV ARMSTRONG MEMORY CD8 TCELL UP, GSE41867 NAIVE VS DAY30 LCMV ARMSTRONG MEMORY CD8 TCELL UP

GSE9509\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_MACROPHAGE\_20MIN\_DN, GSE9509\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_MACROPHAGE\_20MIN\_DN

GSE17186\_CD21LOW\_VS\_CD21HIGH\_TRANSITIONAL\_BCELL\_CORD\_BLOOD\_UP, GSE17186\_CD21LOW\_VS\_CD21HIGH\_TRANSITIONAL\_BCELL\_CORD\_BLOOD\_UP

GSE5589\_IL6\_KO\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_180MIN\_UP, GSE5589\_IL6\_KO\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_180MIN\_UP

GSE22229\_RENAL\_TRANSPLANT\_IMMUNOSUPP\_THERAPY\_VS\_HEALTHY\_PBMC\_DN, GSE22229\_RENAL\_TRANSPLANT\_IMMUNOSUPP\_THERAPY\_VS\_HEALTHY\_PBMC\_DN

GSE2770 UNTREATED VS IL12 TREATED ACT CD4 TCELL 2H DN, GSE2770 UNTREATED VS IL12 TREATED ACT CD4 TCELL 2H DN

GSE2770\_UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_2H\_DN, GSE2770\_UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_2H\_DN

GSE15139\_GMCSF\_TREATED\_VS\_UNTREATED\_NEUTROPHILS\_UP, GSE15139\_GMCSF\_TREATED\_VS\_UNTREATED\_NEUTROPHILS\_UP

GSE34392\_ST2\_KO\_VS\_WT\_DAY8\_LCMV\_EFFECTOR\_CD8\_TCELL\_UP, GSE34392\_ST2\_KO\_VS\_WT\_DAY8\_LCMV\_EFFECTOR\_CD8\_TCELL\_UP

GSE37416\_CTRL\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP, GSE37416\_CTRL\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP

GSE2770\_TGFB\_AND\_IL4\_VS\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_UP, GSE2770\_TGFB\_AND\_IL4\_VS\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_UP

GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD8POS\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD8POS\_DC\_UP

GSE7852\_THYMUS\_VS\_FAT\_TREG\_UP, GSE7852\_THYMUS\_VS\_FAT\_TREG\_UP

GSE17721\_0.5H\_VS\_4H\_LPS\_BMDC\_UP, GSE17721\_0.5H\_VS\_4H\_LPS\_BMDC\_UP

GSE6674\_CPG\_VS\_PL2\_3\_STIM\_BCELL\_UP, GSE6674\_CPG\_VS\_PL2\_3\_STIM\_BCELL\_UP

GSE17721\_CTRL\_VS\_CPG\_0.5H\_BMDC\_UP, GSE17721\_CTRL\_VS\_CPG\_0.5H\_BMDC\_UP

GSE31082\_DN\_VS\_CD4\_SP\_THYMOCYTE\_DN, GSE31082\_DN\_VS\_CD4\_SP\_THYMOCYTE\_DN

GSE17721\_CTRL\_VS\_POLYIC\_24H\_BMDC\_UP, GSE17721\_CTRL\_VS\_POLYIC\_24H\_BMDC\_UP

KAECH\_NAIVE\_VS\_DAY8\_EFF\_CD8\_TCELL\_DN, KAECH\_NAIVE\_VS\_DAY8\_EFF\_CD8\_TCELL\_DN

GSE18893\_TCONV\_VS\_TREG\_24H\_TNF\_STIM\_DN, GSE18893\_TCONV\_VS\_TREG\_24H\_TNF\_STIM\_DN

GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP