```
GSE46606_IRF4HIGH_VS_IRF4MID_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_UP, GSE46606_IRF4HIGH_VS_IRF4MID_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_UP
                                                                                                                                                            GSE37532_TREG_VS_TCONV_CD4_TCELL_FROM_LN_UP, GSE37532_TREG_VS_TCONV_CD4_TCELL_FROM_LN_UP
                                                                                                                                                            GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_7DY_DN, GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_7DY_DN
                                                                                                                                                            GSE17721_LPS_VS_PAM3CSK4_8H_BMDC_DN, GSE17721_LPS_VS_PAM3CSK4_8H_BMDC_DN
                                                                                                                                                            GSE14769_UNSTIM_VS_60MIN_LPS_BMDM_UP, GSE14769_UNSTIM_VS_60MIN_LPS_BMDM_UP
                                                                                                                                                            GSE36392_EOSINOPHIL_VS_MAC_IL25_TREATED_LUNG_DN, GSE36392_EOSINOPHIL_VS_MAC_IL25_TREATED_LUNG_DN
                                                                                                                                                            GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UP, GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UP
                                                                                                                                                            GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN, GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_DN
                                                                                                                                                           GSE46606_IRF4MID_VS_WT_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_UP, GSE46606_IRF4MID_VS_WT_CD40L_IL2_IL5_DAY1_STIMULATED_BCELL_UP
                                                                                                                                                           GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_DN, GSE16450_CTRL_VS_IFNA_12H_STIM_MATURE_NEURON_CELL_LINE_DN
                                                                                                                                                           GSE27241_WT_CTRL_VS_DIGOXIN_TREATED_RORGT_KO_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_DN, GSE27241_WT_CTRL_VS_DIGOXIN_TREATED_RORGT_KO_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_DN
                                                                                                                                                           RUBENSTEIN_SKELETAL_MUSCLE_B_CELLS, RUBENSTEIN_SKELETAL_MUSCLE_B_CELLS
                                                                                                                                                           GSE27786_LIN_NEG_VS_CD8_TCELL_DN, GSE27786_LIN_NEG_VS_CD8_TCELL_DN
                                                                                                                                                           GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_8H_BMDC_UP
                                                                                                                                                           GSE3720_UNSTIM_VS_LPS_STIM_VD2_GAMMADELTA_TCELL_UP, GSE3720_UNSTIM_VS_LPS_STIM_VD2_GAMMADELTA_TCELL_UP
                                                                                                                                                           REACTOME_EUKARYOTIC_TRANSLATION_INITIATION, REACTOME_EUKARYOTIC_TRANSLATION_INITIATION
                                                                                                                                                           MORF_TPT1, MORF_TPT1
                                                                                                                                                           GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_UP, GSE39110_DAY3_VS_DAY6_POST_IMMUNIZATION_CD8_TCELL_UP
                                                                                                                                                           GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_DN, GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_DN
                                                                                                                                                            GSE14000_TRANSLATED_RNA_VS_MRNA_16H_LPS_DC_DN, GSE14000_TRANSLATED_RNA_VS_MRNA_16H_LPS_DC_DN
                                                                                                                                                           GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN, GSE11961_FOLLICULAR_BCELL_VS_GERMINAL_CENTER_BCELL_DAY40_DN
                                                                                                                                                            GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_3DY_DN, GAUCHER_PBMC_YF_VAX_STAMARIL_UNKNOWN_AGE_3DY_DN
                                                                                                                                                            GSE22886_NAIVE_BCELL_VS_NEUTROPHIL_UP, GSE22886_NAIVE_BCELL_VS_NEUTROPHIL_UP
                                                                                                                                                            GSE40666_WT_VS_STAT4_KO_CD8_TCELL_WITH_IFNA_STIM_90MIN_UP, GSE40666_WT_VS_STAT4_KO_CD8_TCELL_WITH_IFNA_STIM_90MIN_UP
                                                                                                                                                            GSE17721_LPS_VS_POLYIC_8H_BMDC_DN, GSE17721_LPS_VS_POLYIC_8H_BMDC_DN
                                                                                                                                                           GSE21546 SAP1A KO_VS_SAP1A KO_AND_ELK1_KO_DP_THYMOCYTES_UP, GSE21546 SAP1A_KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP
                                                                                                                                                           GSE27786_LIN_NEG_VS_CD4_TCELL_DN, GSE27786_LIN_NEG_VS_CD4_TCELL_DN
                                                                                                                                                           GSE2770_UNTREATED_VS_ACT_CD4_TCELL_6H_UP, GSE2770_UNTREATED_VS_ACT_CD4_TCELL_6H_UP
                                                                                                                                                           GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_UP, GSE36888_STAT5_AB_KNOCKIN_VS_WT_TCELL_IL2_TREATED_2H_UP
                                                                                                                                                           GSE29618_MONOCYTE_VS_MDC_DAY7_FLU_VACCINE_DN, GSE29618_MONOCYTE_VS_MDC_DAY7_FLU_VACCINE_DN
                                                                                                                                                           GSE17721_PAM3CSK4_VS_CPG_8H_BMDC_UP, GSE17721_PAM3CSK4_VS_CPG_8H_BMDC_UP
                                                                                                                                                           REACTOME_RRNA_MODIFICATION_IN_THE_NUCLEUS_AND_CYTOSOL, REACTOME_RRNA_MODIFICATION_IN_THE_NUCLEUS_AND_CYTOSOL
                                                                                                                                                           GSE11961_MARGINAL_ZONE_BCELL_VS_PLASMA_CELL_DAY7_UP, GSE11961_MARGINAL_ZONE_BCELL_VS_PLASMA_CELL_DAY7_UP
                                                                                                                                                           GSE27786_CD8_TCELL_VS_NKCELL_UP, GSE27786_CD8_TCELL_VS_NKCELL_UP
                                                                                                                                                           GSE3565_DUSP1_VS_WT_SPLENOCYTES_POST_LPS_INJECTION_UP, GSE3565_DUSP1_VS_WT_SPLENOCYTES_POST_LPS_INJECTION_UP
                                                                                                                                                           GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_UP, GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_UP
                                                                                                                                                           GSE27786_LSK_VS_NKTCELL_DN, GSE27786_LSK_VS_NKTCELL_DN
                                                                                                                                                           GOBP PEPTIDYL LYSINE METHYLATION, GOBP PEPTIDYL LYSINE METHYLATION
                                                                                                                                                           GSE17721_LPS_VS_CPG_12H_BMDC_DN, GSE17721_LPS_VS_CPG_12H_BMDC_DN
                                                                                                                                                           GSE45365_NK_CELL_VS_CD11B_DC_MCMV_INFECTION_DN, GSE45365_NK_CELL_VS_CD11B_DC_MCMV_INFECTION_DN
                                                                                                                                                            WP_CYTOPLASMIC_RIBOSOMAL_PROTEINS, WP_CYTOPLASMIC_RIBOSOMAL_PROTEINS
                                                                                                                                                           GSE34205_HEALTHY_VS_RSV_INF_INFANT_PBMC_UP, GSE34205_HEALTHY_VS_RSV_INF_INFANT_PBMC_UP
                                                                                                                                                           GCM_TPT1, GCM_TPT1
                                                                                                                                                            GSE20715 0H VS 24H OZONE TLR4 KO LUNG UP, GSE20715 0H VS 24H OZONE TLR4 KO LUNG UP
                                                                                                                                                           GOCC_CYTOSOLIC_RIBOSOME, GOCC_CYTOSOLIC_RIBOSOME
                                                                                                                                                           GSE14000_TRANSLATED_RNA_VS_MRNA_DC_DN, GSE14000_TRANSLATED_RNA_VS_MRNA_DC_DN
                                                                                                                                                           BROWNE_HCMV_INFECTION_6HR_DN, BROWNE_HCMV_INFECTION_6HR_DN
                                                                                                                                                           GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_DN, GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_DN
                                                                                                                                                           YBX3 TARGET GENES, YBX3 TARGET GENES
                                                                                                                                                           BUSSLINGER_GASTRIC_PPP1R1B_POSITIVE_CELLS, BUSSLINGER_GASTRIC_PPP1R1B_POSITIVE_CELLS
                                                                                                                                                           AIZARANI_LIVER_C3_NK_NKT_CELLS_2, AIZARANI_LIVER_C3_NK_NKT_CELLS_2
                                                                                                                                                           GSE10239 MEMORY VS KLRG1HIGH EFF CD8 TCELL UP, GSE10239 MEMORY VS KLRG1HIGH EFF CD8 TCELL UP
                                                                                                                                                           GSE17721_LPS_VS_CPG_2H_BMDC_DN, GSE17721_LPS_VS_CPG_2H_BMDC_DN
                                                                                                                                                           GSE2585_THYMIC_DC_VS_THYMIC_MACROPHAGE_DN, GSE2585_THYMIC_DC_VS_THYMIC_MACROPHAGE_DN
                                                                                                                                                            TRAVAGLINI_LUNG_CD4_NAIVE_T_CELL, TRAVAGLINI_LUNG_CD4_NAIVE_T_CELL
                                                                                                                                                           GSE27786_NKCELL_VS_NKTCELL_DN, GSE27786_NKCELL_VS_NKTCELL_DN
                                                                                                                                                           GSE10325_BCELL_VS_MYELOID_UP, GSE10325_BCELL_VS_MYELOID_UP
                                                                                                                                                           GSE29618_BCELL_VS_MDC_UP, GSE29618_BCELL_VS_MDC_UP
                                                                                                                                                            BAKKER_FOXO3_TARGETS_DN, BAKKER_FOXO3_TARGETS_DN
                                                                                                                                                           GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IFNG_TNF_TREATED_MACROPHAGE_DN, GSE16385_UNTREATED_VS_12H_ROSIGLITAZONE_IFNG_TNF_TREATED_MACROPHAGE_DN
                                                                                                                                                           GOCC_CYTOSOLIC_LARGE_RIBOSOMAL_SUBUNIT, GOCC_CYTOSOLIC_LARGE_RIBOSOMAL_SUBUNIT
                                                                                                                                                           GNF2_MCL1, GNF2_MCL1
                                                                                                                                                           GSE14415_NATURAL_TREG_VS_TCONV_UP, GSE14415_NATURAL_TREG_VS_TCONV_UP
                                                                                                                                                           GNF2_TPT1, GNF2_TPT1
                                                                                                                                                           GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_UP, GSE26912_TUMORICIDAL_VS_CTRL_MACROPHAGE_UP
                                                                                                                                                           FLOTHO_PEDIATRIC_ALL_THERAPY_RESPONSE_UP, FLOTHO_PEDIATRIC_ALL_THERAPY_RESPONSE_UP
                                                                                                                                                           GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_DC_DN, GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_DC_DN
                                                                                                                                                           MIR7703, MIR7703
                                                                                                                                                           GSE7460_TREG_VS_TCONV_ACT_DN, GSE7460_TREG_VS_TCONV_ACT_DN
                                                                                                                                                           GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_UP, GSE46143_CTRL_VS_LMP2A_TRANSDUCED_CD10_POS_GC_BCELL_UP
                                                                                                                                                           GOMF_METHYLATED_HISTONE_BINDING, GOMF_METHYLATED_HISTONE_BINDING
                                                                                                                                                          GOMF_DIOXYGENASE_ACTIVITY, GOMF_DIOXYGENASE_ACTIVITY
                                                                                                                                                          GSE4984_UNTREATED_VS_GALECTIN1_TREATED_DC_DN, GSE4984_UNTREATED_VS_GALECTIN1_TREATED_DC_DN
                                                                                                                                                           BUSSLINGER_GASTRIC_LYZ_POSITIVE_CELLS, BUSSLINGER_GASTRIC_LYZ_POSITIVE_CELLS
                                                                                                                                                          GOCC_90S_PRERIBOSOME, GOCC_90S_PRERIBOSOME
                                                                                                                                                           GSE7852_TREG_VS_TCONV_THYMUS_DN, GSE7852_TREG_VS_TCONV_THYMUS_DN
                                                                                                                                                           GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_CD8_TCELL_UP, GSE15930_NAIVE_VS_72H_IN_VITRO_STIM_CD8_TCELL_UP
                                                                                                                                                           GOBP_POSITIVE_REGULATION_OF_HISTONE_METHYLATION, GOBP_POSITIVE_REGULATION_OF_HISTONE_METHYLATION
                                                                                                                                                           KESHELAVA MULTIPLE DRUG RESISTANCE, KESHELAVA MULTIPLE DRUG RESISTANCE
                                                                                                                                                           GSE29618_BCELL_VS_MONOCYTE_UP, GSE29618_BCELL_VS_MONOCYTE_UP
                                                                                                                                                           ZHENG_CORD_BLOOD_C8_PUTATIVE_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_2, ZHENG_CORD_BLOOD_C8_PUTATIVE_LYMPHOID_PRIMED_MULTIPOTENT_PROGENITOR_2
                                                                                                                                                            GSE37301_CD4_TCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE37301_CD4_TCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
                                                                                                                                                            WP_TRANSLATION_INHIBITORS_IN_CHRONICALLY_ACTIVATED_PDGFRA_CELLS, WP_TRANSLATION_INHIBITORS_IN_CHRONICALLY_ACTIVATED_PDGFRA_CELLS
                                                                                                                                                            GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_TGFB_AND_IL4_VS_IL4_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                                                                                            GOBP_MATURATION_OF_SSU_RRNA_FROM_TRICISTRONIC_RRNA_TRANSCRIPT_SSU_RRNA_5_8S_RRNA_LSU_RRNA, GOBP_MATURATION_OF_SSU_RRNA_FROM_TRICISTRONIC_RRNA_TRANSCRIPT_SSU_RRNA_5_8S_RRNA_LSU_RRNA
                                                                                                                                                            MIR138_1_3P, MIR138_1_3P
                                                                                                                                                           GOBP_MATURATION_OF_LSU_RRNA, GOBP_MATURATION_OF_LSU_RRNA
                                                                                                                                                           GOBP_MATURATION_OF_5_8S_RRNA, GOBP_MATURATION_OF_5_8S_RRNA
                                                                                                                                                           ZHOU_TNF_SIGNALING_30MIN, ZHOU_TNF_SIGNALING_30MIN
                                                                                                                                                           REACTOME_KSRP_KHSRP_BINDS_AND_DESTABILIZES_MRNA, REACTOME_KSRP_KHSRP_BINDS_AND_DESTABILIZES_MRNA
                                                                                                                                                           MIR6779_3P, MIR6779_3P
                                                                                                                                                            GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_DN, GSE34156_NOD2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_DN
                                                                                                                                                           FAN_EMBRYONIC_CTX_BRAIN_B_CELL, FAN_EMBRYONIC_CTX_BRAIN_B_CELL
RF4MID_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_UP, GSE46606_IRF4HIGH_VS_IRF4MID_CD40L_IL2_IL5_DAY3_STIMULATED_BCELL_UP
                                                                                                                                                           WP_INTERFERON_TYPE_I_SIGNALING_PATHWAYS, WP_INTERFERON_TYPE_I_SIGNALING_PATHWAYS
                                                                                                                                                           SASSON_RESPONSE_TO_GONADOTROPHINS_DN, SASSON_RESPONSE_TO_GONADOTROPHINS_DN
                                                                                                                                                            MODULE_188, MODULE_188
                                                                                                                                                           CHESLER_BRAIN_HIGHEST_GENETIC_VARIANCE, CHESLER_BRAIN_HIGHEST_GENETIC_VARIANCE
                                                                                                                                                           GOBP_REGULATION_OF_CELL_MORPHOGENESIS_INVOLVED_IN_DIFFERENTIATION, GOBP_REGULATION_OF_CELL_MORPHOGENESIS_INVOLVED_IN_DIFFERENTIATION
                                                                                                                                                           HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_UP, HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_UP
                                                                                                                                                            SOX11_TARGET_GENES, SOX11_TARGET_GENES
                                                                                                                                                            TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_MONOCYTE_DN, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_MONOCYTE_DN
                                                                                                                                                           GOBP_CLEAVAGE_INVOLVED_IN_RRNA_PROCESSING, GOBP_CLEAVAGE_INVOLVED_IN_RRNA_PROCESSING
                                                                                                                                                            GOMF_PROTEIN_DISULFIDE_ISOMERASE_ACTIVITY, GOMF_PROTEIN_DISULFIDE_ISOMERASE_ACTIVITY
                                                                                                                                                            MODULE_301, MODULE_301
                                                                                                                                                            GOBP_REGULATION_OF_CELL_SUBSTRATE_JUNCTION_ORGANIZATION, GOBP_REGULATION_OF_CELL_SUBSTRATE_JUNCTION_ORGANIZATION
                                                                                                                                                           GCM_DDX11, GCM_DDX11
                                                                                                                                                           HP_NONIMMUNE_HYDROPS_FETALIS, HP_NONIMMUNE_HYDROPS_FETALIS
                                                                                                                                                           GSE9650 GP33 VS GP276 LCMV SPECIFIC EXHAUSTED CD8 TCELL UP, GSE9650 GP33 VS GP276 LCMV SPECIFIC EXHAUSTED CD8 TCELL UP
                                                                                                                                                           MODULE_238, MODULE_238
                                                                                                                                                          CHEN_LVAD_SUPPORT_OF_FAILING_HEART_UP, CHEN_LVAD_SUPPORT_OF_FAILING_HEART_UP
                                                                                                                                                          " GNF2_CD33, GNF2_CD33
                                                                                                                                                          GOMF_2_OXOGLUTARATE_DEPENDENT_DIOXYGENASE_ACTIVITY, GOMF_2_OXOGLUTARATE_DEPENDENT_DIOXYGENASE_ACTIVITY
                                                                                                                                                          MODULE_119, MODULE_119
                                                                                                                                                          ZNF34_TARGET_GENES, ZNF34_TARGET_GENES
                                                                                                                                                          GOBP_REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE, GOBP_REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
                                                                                                                                                           HNF3_Q6, HNF3_Q6
                                                                                                                                                           GSE3982_EFF_MEMORY_CD4_TCELL_VS_NKCELL_UP, GSE3982_EFF_MEMORY_CD4_TCELL_VS_NKCELL_UP
                                                                                                                                                           MIR6770_5P, MIR6770_5P
                                                                                                                                                           GOBP_MATURATION_OF_5_8S_RRNA_FROM_TRICISTRONIC_RRNA_TRANSCRIPT_SSU_RRNA_5_8S_RRNA_LSU_RRNA, GOBP_MATURATION_OF_5_8S_RRNA_FROM_TRICISTRONIC_RRNA_TRANSCRIPT_SSU_RRNA_5_8S_RRNA_LSU_RRNA
                                                                                                                                                            BUSSLINGER_ESOPHAGEAL_QUIESCENT_BASAL_CELLS, BUSSLINGER_ESOPHAGEAL_QUIESCENT_BASAL_CELLS
                                                                                                                                                           GSE15659_CD45RA_NEG_CD4_TCELL_VS_ACTIVATED_TREG_UP, GSE15659_CD45RA_NEG_CD4_TCELL_VS_ACTIVATED_TREG_UP
                                                                                                                                                           GOBP_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE, GOBP_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE
                                                                                                                                                           NAKAMURA_METASTASIS_MODEL_UP, NAKAMURA_METASTASIS_MODEL_UP
                                                                                                                                                           MORI_IMMATURE_B_LYMPHOCYTE_UP, MORI_IMMATURE_B_LYMPHOCYTE_UP
                                                                                                                                                           MODULE_361, MODULE_361
                                                                                                                                                            MODULE_436, MODULE_436
                                                                                                                                                           HP_ABNORMAL_ERYTHROCYTE_ENZYME_LEVEL, HP_ABNORMAL_ERYTHROCYTE_ENZYME_LEVEL
                                                                                                                                                           MCCLUNG_COCAIN_REWARD_4WK, MCCLUNG_COCAIN_REWARD_4WK
                                                                                                                                                            BIOCARTA_EIF4_PATHWAY, BIOCARTA_EIF4_PATHWAY
                                                                                                                                                           NAKAMURA_METASTASIS, NAKAMURA_METASTASIS
                                                                                                                                                           HP_ERYTHROID_HYPOPLASIA, HP_ERYTHROID_HYPOPLASIA
                                                                                                                                                           HP_ABNORMALITY_OF_THE_ACETABULUM, HP_ABNORMALITY_OF_THE_ACETABULUM
                                                                                                                                                            TRAVAGLINI_LUNG_CD4_MEMORY_EFFECTOR_T_CELL, TRAVAGLINI_LUNG_CD4_MEMORY_EFFECTOR_T_CELL
                                                                                                                                                            CADWELL_ATG16L1_TARGETS_DN, CADWELL_ATG16L1_TARGETS_DN
                                                                                                                                                            HEIDENBLAD AMPLICON_12P11_12_UP, HEIDENBLAD_AMPLICON_12P11_12_UP
                                                                                                                                                           GOCC_ADA2_GCN5_ADA3_TRANSCRIPTION_ACTIVATOR_COMPLEX, GOCC_ADA2_GCN5_ADA3_TRANSCRIPTION_ACTIVATOR_COMPLEX
                                                                                                                                                           HP_SPONDYLOEPIMETAPHYSEAL_DYSPLASIA, HP_SPONDYLOEPIMETAPHYSEAL_DYSPLASIA
                                                                                                                                                            REACTOME_LYSOSOME_VESICLE_BIOGENESIS, REACTOME_LYSOSOME_VESICLE_BIOGENESIS
                                                                                                                                                           GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_DN, GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_IL2_CULTURE_DN
                                                                                                                                                           GOBP_GOLGI_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT, GOBP_GOLGI_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT
                                                                                                                                                            PARK_TRETINOIN_RESPONSE, PARK_TRETINOIN_RESPONSE
                                                                                                                                                           GNF2_FOS, GNF2_FOS
                                                                                                                                                            BROWNE_HCMV_INFECTION_16HR_DN, BROWNE_HCMV_INFECTION_16HR_DN
                                                                                                                                                           MIR4733 3P, MIR4733 3P
                                                                                                                                                            FRANCO_BLOOD_SANOFI_PASTEUR_SA_INACTIVATED_INFLUENZA_VACCINE_CORRELATED_WITH_ANTIBODY_RESPONSE_AGE_18_40YO_3DY_POSITIVE, FRANCO_BLOOD_SANOFI_PASTEUR_SA_INACTIVATED_INFLUENZA_VACCINE_CORRELATED_WITH_ANTIBODY_RESPONSE_INFLUENZA_VACCINE_CORRELATED_WITH_ANTIBODY_RESPONSE_INFLUENZA_VACCINE_CORRELATED_WITH_ANTIBODY_RESPONSE_INFLUENZA_VACCINE_CORRELATED_WITH_ANTIBODY_RESPONSE_INFLUENZA_VACCINE_CORRELATED_WITH_ANTIBODY_RESPONSE_INFLUENZA_VACCINE_CORRELATED_WITH_ANTIBODY_RESPONSE_INFLUENZA_VACCINE_CORRELATED_WITH_ANTIBODY_RESPONSE_INFLUENZA_VACCINE_CORRELATED_UND_TO TA_INFLUENZA_VACCINE_CORRELATE
                                                                                                                                                            BCAT_BILD_ET_AL_UP, BCAT_BILD_ET_AL_UP
                                                                                                                                                           GOCC_FILOPODIUM_MEMBRANE, GOCC_FILOPODIUM_MEMBRANE
                                                                                                                                                           KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY_ARVC, KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY_ARVC
                                                                                                                                                           ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_6HR_DN, ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_6HR_DN
                                                                                                                                                           HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_UP, HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_UP
                                                                                                                                                           HP_ELEVATED_RED_CELL_ADENOSINE_DEAMINASE_LEVEL, HP_ELEVATED_RED_CELL_ADENOSINE_DEAMINASE_LEVEL
                                                                                                                                                           REACTOME_PLATELET_CALCIUM_HOMEOSTASIS, REACTOME_PLATELET_CALCIUM_HOMEOSTASIS
                                                                                                                                                           BUSSLINGER_ESOPHAGEAL_LATE_SUPRABASAL_CELLS, BUSSLINGER_ESOPHAGEAL_LATE_SUPRABASAL_CELLS
                                                                                                                                                           GOMF_CATALYTIC_ACTIVITY_ACTING_ON_A_RRNA, GOMF_CATALYTIC_ACTIVITY_ACTING_ON_A_RRNA
                                                                                                                                                           MIR4472, MIR4472
                                                                                                                                                           YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP, YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP
                                                                                                                                                           MODULE_429, MODULE_429
                                                                                                                                                           GOBP_NEGATIVE_REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE, GOBP_NEGATIVE_REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
                                                                                                                                                           REACTOME MAPK TARGETS NUCLEAR EVENTS MEDIATED BY MAP KINASES, REACTOME MAPK TARGETS NUCLEAR EVENTS MEDIATED BY MAP KINASES
                                                                                                                                                           GOBP NEGATIVE REGULATION OF PEPTIDYL SERINE PHOSPHORYLATION, GOBP NEGATIVE REGULATION OF PEPTIDYL SERINE PHOSPHORYLATION
                                                                                                                                                           GOBP_NEGATIVE_REGULATION_OF_CYTOPLASMIC_TRANSLATION, GOBP_NEGATIVE_REGULATION_OF_CYTOPLASMIC_TRANSLATION
                                                                                                                                                           CHIANG_LIVER_CANCER_SUBCLASS_POLYSOMY7_DN, CHIANG_LIVER_CANCER_SUBCLASS_POLYSOMY7_DN
                                                                                                                                                            GESERICK_TERT_TARGETS_DN, GESERICK_TERT_TARGETS_DN
                                                                                                                                                            RELA DN.V1 UP, RELA DN.V1 UP
                                                                                                                                                           HP_ABNORMALITY_OF_THE_THENAR_EMINENCE, HP_ABNORMALITY_OF_THE_THENAR_EMINENCE
                                                                                                                                                           PPARG_01, PPARG_01
                                                                                                                                                           GOBP_NEUROTRANSMITTER_UPTAKE, GOBP_NEUROTRANSMITTER_UPTAKE
                                                                                                                                                           MIR296_5P, MIR296_5P
                                                                                                                                                           GSE3203 HEALTHY VS INFLUENZA INFECTED LN BCELL DN, GSE3203 HEALTHY VS INFLUENZA INFECTED LN BCELL DN
                                                                                                                                                           ROPERO_HDAC2_TARGETS, ROPERO_HDAC2_TARGETS
                                                                                                                                                           chr16p12, chr16p12
                                                                                                                                                           GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_2, GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_2
                                                                                                                                                           WP_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY, WP_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY
                                                                                                                                                           SCHLESINGER_METHYLATED_DE_NOVO_IN_CANCER, SCHLESINGER_METHYLATED_DE_NOVO_IN_CANCER
                                                                                                                                                           GOBP_DNA_DEALKYLATION_INVOLVED_IN_DNA_REPAIR, GOBP_DNA_DEALKYLATION_INVOLVED_IN_DNA_REPAIR
                                                                                                                                                           GOBP REGULATION OF PROTEIN SUMOYLATION, GOBP REGULATION OF PROTEIN SUMOYLATION
                                                                                                                                                           WP_ACTIVATION_OF_NLRP3_INFLAMMASOME_BY_SARSCOV2, WP_ACTIVATION_OF_NLRP3_INFLAMMASOME_BY_SARSCOV2
                                                                                                                                                           GOBP_ENDONUCLEOLYTIC_CLEAVAGE_IN_5_ETS_OF_TRICISTRONIC_RRNA_TRANSCRIPT_SSU_RRNA_5_8S_RRNA_LSU_RRNA, GOBP_ENDONUCLEOLYTIC_CLEAVAGE_IN_5_ETS_OF_TRICISTRONIC_RRNA_TRANSCRIPT_SSU_RRNA_5_8S_RRNA_LSU_RRNA
                                                                                                                                                            BILANGES_SERUM_RESPONSE_TRANSLATION, BILANGES_SERUM_RESPONSE_TRANSLATION
                                                                                                                                                            MIR3615, MIR3615
                                                                                                                                                            GOCC_NLRP3_INFLAMMASOME_COMPLEX, GOCC_NLRP3_INFLAMMASOME_COMPLEX
                                                                                                                                                           HP_APLASIA_HYPOPLASIA_OF_THE_PUBIC_BONE, HP_APLASIA_HYPOPLASIA_OF_THE_PUBIC_BONE
                                                                                                                                                           GROSS_HIF1A_TARGETS_DN, GROSS_HIF1A_TARGETS_DN
                                                                                                                                                           HP_AXIAL_DYSTONIA, HP_AXIAL_DYSTONIA
                                                                                                                                                            KIM LIVER CANCER POOR SURVIVAL UP, KIM LIVER CANCER POOR SURVIVAL UP
                                                                                                                                                            HP_DELAYED_EPIPHYSEAL_OSSIFICATION, HP_DELAYED_EPIPHYSEAL_OSSIFICATION
                                                                                                                                                           GOBP_LOCOMOTION_INVOLVED_IN_LOCOMOTORY_BEHAVIOR, GOBP_LOCOMOTION_INVOLVED_IN_LOCOMOTORY_BEHAVIOR
                                                                                                                                                           REACTOME_DNA_DAMAGE_REVERSAL, REACTOME_DNA_DAMAGE_REVERSAL
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GSE14769\_UNSTIM\_VS\_80MIN\_LPS\_BMDM\_UP, GSE14769\_UNSTIM\_VS\_80MIN\_LPS\_BMDM\_UP

GSE27786\_BCELL\_VS\_MONO\_MAC\_UP, GSE27786\_BCELL\_VS\_MONO\_MAC\_UP

GSE46606 DAY1 VS DAY3 CD40L IL2 IL5 STIMULATED IRF4HIGH BCELL UP, GSE46606 DAY1 VS DAY3 CD40L IL2 IL5 STIMULATED IRF4HIGH BCELL UP