```
GSE21380_NON_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN, GSE21380_NON_TFH_VS_GERMINAL_CENTER_TFH_CD4_TCELL_DN
                                                                                                                                    GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DAY7_DN, GSE11961_FOLLICULAR_BCELL_VS_MEMORY_BCELL_DAY7_DN
                                                                                                                                    GSE37532_TREG_VS_TCONV_PPARG_KO_CD4_TCELL_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TREG_VS_TCONV_PPARG_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TREG_VS_TCONV_PPARG_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TREG_VS_TCONV_PPARG_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TCONV_PPARG_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TCONV_PPARG_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TCONV_PPARG_FROM_VISCERAL_ADIPOSE_TISSUE_DN, GSE37532_TCONV_PPARG_FROM_VISCERAL_ADIPOSE_TISSUE_TISSUE_TCONV_PPARG_FROM_VISCERAL_TCELL_TCONV_PPARG_FROM_VISCERAL_TCELL_TCONV_PPARG_FROM_VISCERAL_TCTONV_PPARG_FROM_VISCERAL_TCTONV_PPARG_FROM_VISCER
                                                                                                                                    GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_DN, GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_12H_IFNA_STIM_DN
                                                                                                                                    GSE19941_UNSTIM_VS_LPS_STIM_IL10_KO_MACROPHAGE_DN, GSE19941_UNSTIM_VS_LPS_STIM_IL10_KO_MACROPHAGE_DN
                                                                                                                                    GSE5142_CTRL_VS_HTERT_TRANSDUCED_CD8_TCELL_EARLY_PASSAGE_CLONE_UP, GSE5142_CTRL_VS_HTERT_TRANSDUCED_CD8_TCELL_EARLY_PASSAGE_CLONE_U
                                                                                                                                    GSE14350_IL2RB_KO_VS_WT_TEFF_UP, GSE14350_IL2RB_KO_VS_WT_TEFF_UP
                                                                                                                                    GSE39820_CTRL_VS_IL1B_IL6_CD4_TCELL_UP, GSE39820_CTRL_VS_IL1B_IL6_CD4_TCELL_UP
                                                                                                                                    GSE37301_PRO_BCELL_VS_CD4_TCELL_UP, GSE37301_PRO_BCELL_VS_CD4_TCELL_UP
                                                                                                                                    GSE3039_B2_VS_B1_BCELL_UP, GSE3039_B2_VS_B1_BCELL_UP
                                                                                                                                    GSE17721_0.5H_VS_12H_CPG_BMDC_DN, GSE17721_0.5H_VS_12H_CPG_BMDC_DN
                                                                                                                                    GSE28737_WT_VS_BCL6_KO_MARGINAL_ZONE_BCELL_DN, GSE28737_WT_VS_BCL6_KO_MARGINAL_ZONE_BCELL_DN
                                                                                                                                    GSE40277_GATA1_AND_SATB1_TRANSDUCED_VS_CTRL_CD4_TCELL_DN, GSE40277_GATA1_AND_SATB1_TRANSDUCED_VS_CTRL_CD4_TCELL_DN
                                                                                                                                    CAGCAGG_MIR370, CAGCAGG_MIR370
                                                                                                                                    GSE37532_WT_VS_PPARG_KO_LN_TCONV_UP, GSE37532_WT_VS_PPARG_KO_LN_TCONV_UP
                                                                                                                                    GSE29949_CD8_POS_DC_SPLEEN_VS_MONOCYTE_BONE_MARROW_DN, GSE29949_CD8_POS_DC_SPLEEN_VS_MONOCYTE_BONE_MARROW_DN
                                                                                                                                    GSE13493_CD4INTCD8POS_VS_CD8POS_THYMOCYTE_UP, GSE13493_CD4INTCD8POS_VS_CD8POS_THYMOCYTE_UP
                                                                                                                                    GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_6H_DN, GSE2770_TGFB_AND_IL4_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_6H_DN
                                                                                                                                    GSE14699_NAIVE_VS_ACT_CD8_TCELL_DN, GSE14699_NAIVE_VS_ACT_CD8_TCELL_DN
                                                                                                                                    IKEDA_MIR30_TARGETS_UP, IKEDA_MIR30_TARGETS_UP
                                                                                                                                    GSE16385_ROSIGLITAZONE_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_DN, GSE16385_ROSIGLITAZONE_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_DN
                                                                                                                                    BENPORATH_NOS_TARGETS, BENPORATH_NOS_TARGETS
                                                                                                                                    GSE26669_CD4_VS_CD8_TCELL_IN_MLR_COSTIM_BLOCK_DN, GSE26669_CD4_VS_CD8_TCELL_IN_MLR_COSTIM_BLOCK_DN
                                                                                                                                    GSE2405 HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_24H_DN, GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STI
                                                                                                                                    UEDA_PERIFERAL_CLOCK, UEDA_PERIFERAL_CLOCK
                                                                                                                                    GSE40274 FOXP3 VS FOXP3 AND LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274 FOXP3_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_D
                                                                                                                                    GSE20366_CD103_POS_VS_CD103_KLRG1_DP_TREG_UP, GSE20366_CD103_POS_VS_CD103_KLRG1_DP_TREG_UP
                                                                                                                                    AGGTGCA_MIR500, AGGTGCA_MIR500
                                                                                                                                    MODULE_525, MODULE_525
                                                                                                                                    GSE20366_TREG_VS_TCONV_DN, GSE20366_TREG_VS_TCONV_DN
                                                                                                                                    GSE10211_UV_INACT_SENDAI_VS_LIVE_SENDAI_VIRUS_TRACHEAL_EPITHELIAL_CELLS_UP, GSE10211_UV_INACT_SENDAI_VS_LIVE_SENDAI_VIRUS_TRACHEAL_EPITHI
                                                                                                                                    GSE22886_IGG_IGA_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_UP, GSE22886_IGG_IGA_MEMORY_BCELL_VS_BLOOD_PLASMA_CELL_UP
                                                                                                                                    GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_UP, GSE14415_INDUCED_TREG_VS_FOXP3_KO_INDUCED_TREG_UP
                                                                                                                                    CAGCACT_MIR5123P, CAGCACT_MIR5123P
                                                                                                                                    KIM_GERMINAL_CENTER_T_HELPER_UP, KIM_GERMINAL_CENTER_T_HELPER_UP
                                                                                                                                    GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                                    GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MYD88_KO_MACROPHAGE_UP, GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MYD88_KO_MACROPHAGE_UP
                                                                                                                                    BURTON_ADIPOGENESIS_12, BURTON_ADIPOGENESIS_12
                                                                                                                                    GSE26928_CENTR_MEMORY_VS_CXCR5_POS_CD4_TCELL_DN, GSE26928_CENTR_MEMORY_VS_CXCR5_POS_CD4_TCELL_DN
                                                                                                                                    GSE13229_IMM_VS_MATURE_NKCELL_UP, GSE13229_IMM_VS_MATURE_NKCELL_UP
                                                                                                                                    GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_UP, GSE14415_FOXP3_KO_NATURAL_TREG_VS_TCONV_UP
                                                                                                                                    YYCATTCAWW_UNKNOWN, YYCATTCAWW_UNKNOWN
                                                                                                                                  SENESE_HDAC2_TARGETS_UP, SENESE_HDAC2_TARGETS_UP
VS_TGFBETA3_IL6_IL23A_CD4_TCELL_UP, GSE39820_CTRL_VS_TGFBETA3_IL6_IL23A_CD4_TCELL_UP
                                                                                                                                    HALLMARK_TGF_BETA_SIGNALING, HALLMARK_TGF_BETA_SIGNALING
                                                                                                                                    GO_REGULATION_OF_RESPONSE_TO_REACTIVE_OXYGEN_SPECIES, GO_REGULATION_OF_RESPONSE_TO_REACTIVE_OXYGEN_SPECIES
                                                                                                                                    GO_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_VIRUS, GO_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS_BY_VIRUS
                                                                                                                                    GAVIN_FOXP3_TARGETS_CLUSTER_P7, GAVIN_FOXP3_TARGETS_CLUSTER_P7
                                                                                                                                    GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP, GSE15330_HSC_VS_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP
                                                                                                                                    YU_MYC_TARGETS_DN, YU_MYC_TARGETS_DN
                                                                                                                                    MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_DN, MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_DN
                                                                                                                                    GO_RECYCLING_ENDOSOME_MEMBRANE, GO_RECYCLING_ENDOSOME_MEMBRANE
                                                                                                                                    GSE21927_SPLEEN_VS_TUMOR_MONOCYTE_C57BL6_DN, GSE21927_SPLEEN_VS_TUMOR_MONOCYTE_C57BL6_DN
                                                                                                                                    HOLLEMAN_VINCRISTINE_RESISTANCE_ALL_UP, HOLLEMAN_VINCRISTINE_RESISTANCE_ALL_UP
                                                                                                                                    GSE28237_FOLLICULAR_VS_LATE_GC_BCELL_UP, GSE28237_FOLLICULAR_VS_LATE_GC_BCELL_UP
                                                                                                                                    GTCAGGA_MIR378, GTCAGGA_MIR378
                                                                                                                                    MORI_IMMATURE_B_LYMPHOCYTE_UP, MORI_IMMATURE_B_LYMPHOCYTE_UP
                                                                                                                                    CAIRO_LIVER_DEVELOPMENT_UP, CAIRO_LIVER_DEVELOPMENT_UP
                                                                                                                                    GO_PROTEIN_LOCALIZATION_TO_CYTOSKELETON, GO_PROTEIN_LOCALIZATION_TO_CYTOSKELETON
                                                                                                                                    GO_REGULATION_OF_PROTEIN_POLYUBIQUITINATION, GO_REGULATION_OF_PROTEIN_POLYUBIQUITINATION
                                                                                                                                    FINETTI_BREAST_CANCERS_KINOME_GRAY, FINETTI_BREAST_CANCERS_KINOME_GRAY
                                                                                                                                    GO_REGULATION_OF_FIBROBLAST_MIGRATION, GO_REGULATION_OF_FIBROBLAST_MIGRATION
                                                                                                                                    BRUNO_HEMATOPOIESIS, BRUNO_HEMATOPOIESIS
                                                                                                                                    YTAATTAA_LHX3_01, YTAATTAA_LHX3_01
                                                                                                                                    chr6q21, chr6q21
                                                                                                                                    PID_LPA4_PATHWAY, PID_LPA4_PATHWAY
                                                                                                                                    MORI_SMALL_PRE_BII_LYMPHOCYTE_UP, MORI_SMALL_PRE_BII_LYMPHOCYTE_UP
                                                                                                                                    GTTRYCATRR_UNKNOWN, GTTRYCATRR_UNKNOWN
                                                                                                                                    STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_UP, STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_UP
                                                                                                                                    GO_CELLULAR_RESPONSE_TO_PROSTAGLANDIN_E_STIMULUS, GO_CELLULAR_RESPONSE_TO_PROSTAGLANDIN_E_STIMULUS
                                                                                                                                    GO_GLUCOSAMINE_CONTAINING_COMPOUND_METABOLIC_PROCESS, GO_GLUCOSAMINE_CONTAINING_COMPOUND_METABOLIC_PROCESS
                                                                                                                                   GO__DE_NOVO_POSTTRANSLATIONAL_PROTEIN_FOLDING, GO__DE_NOVO_POSTTRANSLATIONAL_PROTEIN_FOLDING
                                                                                                                                   YE_METASTATIC_LIVER_CANCER, YE_METASTATIC_LIVER_CANCER
                                                                                                                                    REACTOME_GLYCEROPHOSPHOLIPID_BIOSYNTHESIS, REACTOME_GLYCEROPHOSPHOLIPID_BIOSYNTHESIS
                                                                                                                                    PID_IL2_1PATHWAY, PID_IL2_1PATHWAY
                                                                                                                                    GSE9946_IMMATURE_VS_LISTERIA_INF_MATURE_DC_DN, GSE9946_IMMATURE_VS_LISTERIA_INF_MATURE_DC_DN
                                                                                                                                    GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MACROPHAGE_UP, GSE22935_24H_VS_48H_MBOVIS_BCG_STIM_MACROPHAGE_UP
                                                                                                                                    GGCKCATGS_UNKNOWN, GGCKCATGS_UNKNOWN
                                                                                                                                    GO_REGULATION_OF_TYPE_I_INTERFERON_MEDIATED_SIGNALING_PATHWAY, GO_REGULATION_OF_TYPE_I_INTERFERON_MEDIATED_SIGNALING_PATHWAY
                                                                                                                                   GO_POSITIVE_REGULATION_OF_FIBROBLAST_MIGRATION, GO_POSITIVE_REGULATION_OF_FIBROBLAST_MIGRATION
                                                                                                                                    EHLERS ANEUPLOIDY UP, EHLERS ANEUPLOIDY UP
                                                                                                                                    GO_PHOSPHATIDYLINOSITOL_3_4_5_TRISPHOSPHATE_BINDING, GO_PHOSPHATIDYLINOSITOL_3_4_5_TRISPHOSPHATE_BINDING
                                                                                                                                    GSE4142_NAIVE_VS_MEMORY_BCELL_DN, GSE4142_NAIVE_VS_MEMORY_BCELL_DN
                                                                                                                                    LEE_DOUBLE_POLAR_THYMOCYTE, LEE_DOUBLE_POLAR_THYMOCYTE
                                                                                                                                    HASLINGER_B_CLL_WITH_11Q23_DELETION, HASLINGER_B_CLL_WITH_11Q23_DELETION
                                                                                                                                    GO_NEGATIVE_REGULATION_OF_NF_KAPPAB_IMPORT_INTO_NUCLEUS, GO_NEGATIVE_REGULATION_OF_NF_KAPPAB_IMPORT_INTO_NUCLEUS
                                                                                                                                    WANG_METHYLATED_IN_BREAST_CANCER, WANG_METHYLATED_IN_BREAST_CANCER
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GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_48H_DN, GSE2770_IL12_AND_TGFB_ACT_VS_ACT_CD4_TCELL_48H_DN

GO_CELLULAR_RESPONSE_TO_PROSTAGLANDIN_STIMULUS, GO_CELLULAR_RESPONSE_TO_PROSTAGLANDIN_STIMULUS

BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_C, BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_C

GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_UP, GSE39820_CTRL_VS_TGFBETA1_IL6_IL23A_CD4_TCELL_UP

GSE7852 LN VS FAT TREG UP, GSE7852 LN VS FAT TREG UP