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GSE23321_CD8_STEM_CELL_MEMORY_VS_NAIVE_CD8_TCELL_DN, GSE23321_CD8_STEM_CELL_MEMORY_VS_NAIVE_CD8_TCELL_DN
                                                                                       GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_UP, GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_UP
                                                                                       GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_UP, GSE41176_UNSTIM_VS_ANTI_IGM_STIM_BCELL_6H_UP
                                                                                       GSE21063_3H_VS_16H_ANTI_IGM_STIM_BCELL_DN, GSE21063_3H_VS_16H_ANTI_IGM_STIM_BCELL_DN
                                                                                      GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_UP, GSE2706_LPS_VS_R848_AND_LPS_8H_STIM_DC_UP
                                                                                      GSE22886_UNSTIM_VS_STIM_MEMORY_TCELL_UP, GSE22886_UNSTIM_VS_STIM_MEMORY_TCELL_UP
                                                                                      GSE27291_0H_VS_7D_STIM_GAMMADELTA_TCELL_DN, GSE27291_0H_VS_7D_STIM_GAMMADELTA_TCELL_DN
                                                                                      GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_UP, GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_UP
                                                                                      GSE15659_NONSUPPRESSIVE_TCELL_VS_ACTIVATED_TREG_DN, GSE15659_NONSUPPRESSIVE_TCELL_VS_ACTIVATED_TREG_DN
                                                                                      GSE6875_WT_VS_FOXP3_KO_TREG_UP, GSE6875_WT_VS_FOXP3_KO_TREG_UP
                                                                                       GSE11961_FOLLICULAR_BCELL_VS_PLASMA_CELL_DAY7_DN, GSE11961_FOLLICULAR_BCELL_VS_PLASMA_CELL_DAY7_DN
                                                                                       GSE3982_MEMORY_CD4_TCELL_VS_TH2_UP, GSE3982_MEMORY_CD4_TCELL_VS_TH2_UP
                                                                                       GSE3982_MEMORY_CD4_TCELL_VS_TH1_UP, GSE3982_MEMORY_CD4_TCELL_VS_TH1_UP
                                                                                       GSE11961_MEMORY_BCELL_DAY7_VS_MEMORY_BCELL_DAY40_DN, GSE11961_MEMORY_BCELL_DAY7_VS_MEMORY_BCELL_DAY40_DN
                                                                                       GSE46242_CTRL_VS_EGR2_DELETED_TH1_CD4_TCELL_UP, GSE46242_CTRL_VS_EGR2_DELETED_TH1_CD4_TCELL_UP
                                                                                       GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_TCELL_UP, GSE13738_RESTING_VS_BYSTANDER_ACTIVATED_CD4_TCELL_UP
                                                                                       GSE27291_6H_VS_7D_STIM_GAMMADELTA_TCELL_DN, GSE27291_6H_VS_7D_STIM_GAMMADELTA_TCELL_DN
                                                                                       LIN_NPAS4_TARGETS_UP, LIN_NPAS4_TARGETS_UP
                                                                                       GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_24H_UP, GSE8921_UNSTIM_VS_TLR1_2_STIM_MONOCYTE_24H_UP
                                                                                       GENTILE_UV_RESPONSE_CLUSTER_D4, GENTILE_UV_RESPONSE_CLUSTER_D4
                                                                                       KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION, KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION
                                                                                       PID_FAS_PATHWAY, PID_FAS_PATHWAY
                                                                                       ST B CELL ANTIGEN RECEPTOR, ST B CELL ANTIGEN RECEPTOR
                                                                                       REACTOME_P75_NTR_RECEPTOR_MEDIATED_SIGNALLING, REACTOME_P75_NTR_RECEPTOR_MEDIATED_SIGNALLING
                                                                                       REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY, REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY
                                                                                       PID_WNT_NONCANONICAL_PATHWAY, PID_WNT_NONCANONICAL_PATHWAY
                                                                                       GO_H4_HISTONE_ACETYLTRANSFERASE_COMPLEX, GO_H4_HISTONE_ACETYLTRANSFERASE_COMPLEX
MIR17_KO_ACT_CD4_TCELL_DN, GSE32533_WT_VS_MIR17_KO_ACT_CD4_TCELL_DN
                                                                                       WINTER_HYPOXIA_DN, WINTER_HYPOXIA_DN
                                                                                       GO_PHOSPHATIDYLINOSITOL_PHOSPHATE_BINDING, GO_PHOSPHATIDYLINOSITOL_PHOSPHATE_BINDING
                                                                                       BOGNI_TREATMENT_RELATED_MYELOID_LEUKEMIA_DN, BOGNI_TREATMENT_RELATED_MYELOID_LEUKEMIA_DN
                                                                                       GSE7509_FCGRIIB_VS_TNFA_IL1B_IL6_PGE_STIM_DC_DN, GSE7509_FCGRIIB_VS_TNFA_IL1B_IL6_PGE_STIM_DC_DN
                                                                                       REACTOME_TCR_SIGNALING, REACTOME_TCR_SIGNALING
                                                                                       GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_DC_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                       GO_PRENYLTRANSFERASE_ACTIVITY, GO_PRENYLTRANSFERASE_ACTIVITY
                                                                                       PID_TCR_PATHWAY, PID_TCR_PATHWAY
                                                                                       STAT3_02, STAT3_02
                                                                                       HALLMARK_PANCREAS_BETA_CELLS, HALLMARK_PANCREAS_BETA_CELLS
                                                                                       BORCZUK_MALIGNANT_MESOTHELIOMA_DN, BORCZUK_MALIGNANT_MESOTHELIOMA_DN
                                                                                       GO_MANNOSIDASE_ACTIVITY, GO_MANNOSIDASE_ACTIVITY
                                                                                       GO_ERYTHROCYTE_DEVELOPMENT, GO_ERYTHROCYTE_DEVELOPMENT
                                                                                       REACTOME_SYNTHESIS_OF_PIPS_AT_THE_GOLGI_MEMBRANE, REACTOME_SYNTHESIS_OF_PIPS_AT_THE_GOLGI_MEMBRANE
                                                                                       CEBALLOS_TARGETS_OF_TP53_AND_MYC_DN, CEBALLOS_TARGETS_OF_TP53_AND_MYC_DN
                                                                                      GO_SOLUTE_PROTON_SYMPORTER_ACTIVITY, GO_SOLUTE_PROTON_SYMPORTER_ACTIVITY
                                                                                      GO_MITOTIC_SISTER_CHROMATID_COHESION, GO_MITOTIC_SISTER_CHROMATID_COHESION
                                                                                      ST_WNT_BETA_CATENIN_PATHWAY,ST_WNT_BETA_CATENIN_PATHWAY
                                                                                      GO_THYMUS_DEVELOPMENT, GO_THYMUS_DEVELOPMENT
                                                                                      chr12p11, chr12p11
                                                                                      CHIARETTI_ACUTE_LYMPHOBLASTIC_LEUKEMIA_ZAP70, CHIARETTI_ACUTE_LYMPHOBLASTIC_LEUKEMIA_ZAP70
                                                                                      MARZEC_IL2_SIGNALING_DN, MARZEC_IL2_SIGNALING_DN
                                                                                       DASU_IL6_SIGNALING_SCAR_UP, DASU_IL6_SIGNALING_SCAR_UP
                                                                                       NIKOLSKY_BREAST_CANCER_8P12_P11_AMPLICON, NIKOLSKY_BREAST_CANCER_8P12_P11_AMPLICON
                                                                                       GO_RESPIRATORY_GASEOUS_EXCHANGE, GO_RESPIRATORY_GASEOUS_EXCHANGE
                                                                                       GO_RESPONSE_TO_COBALT_ION, GO_RESPONSE_TO_COBALT_ION
                                                                                      HE_PTEN_TARGETS_UP, HE_PTEN_TARGETS_UP
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GSE23321_CD8_STEM_CELL_MEMORY_VS_CENTRAL_MEMORY_CD8_TCELL_DN, GSE23321_CD8_STEM_CELL_MEMORY_VS_CENTRAL_MEMORY_CD8_TCELL_DN
 GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_DN, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_DN
GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_UP, GSE24671_CTRL_VS_BAKIMULC_INFECTED_MOUSE_SPLENOCYTES_UP
GSE10240_CTRL_VS_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_DN, GSE10240_CTRL_VS_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_DN
GSE15659_CD45RA_NEG_CD4_TCELL_VS_NONSUPPRESSIVE_TCELL_DN, GSE15659_CD45RA_NEG_CD4_TCELL_VS_NONSUPPRESSIVE_TCELL_DN
 GO_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_SIGNALING_PATHWAY, GO_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_SIGNALING_PATHWAY
 GO_ACTIVATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC_SIGNALING_PATHWAY, GO_ACTIVATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC_SIGNALING_PATHWAY.
REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_ACTIVATED_BY_A
 GO_POSITIVE_REGULATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC_SIGNALING_PATHWAY, GO_POSITIVE_REGULATION_OF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC
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