## H1\_VS\_TH2\_48H\_ACT\_DN, GSE22886\_TH1\_VS\_TH2\_48H\_ACT\_DN

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GSE22886_CD8_TCELL_VS_BCELL_NAIVE_UP, GSE22886_CD8_TCELL_VS_BCELL_NAIVE_UP
GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_UP, GSE3920_IFNA_VS_IFNG_TREATED_FIBROBLAST_UP
OKUMURA_INFLAMMATORY_RESPONSE_LPS, OKUMURA_INFLAMMATORY_RESPONSE_LPS
LINDGREN_BLADDER_CANCER_CLUSTER_2A_DN, LINDGREN_BLADDER_CANCER_CLUSTER_2A_DN
BROWNE_HCMV_INFECTION_6HR_DN, BROWNE_HCMV_INFECTION_6HR_DN
GSE22025_PROGESTERONE_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_DN, GSE22025_PROGESTERONE_VS_TGFB1_AND_PROGESTERONE_TREATED_
LIU_CMYB_TARGETS_UP, LIU_CMYB_TARGETS_UP
GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_AND_IL4_STIM_DN, GSE25088_WT_VS_STAT6_KO_MACROPHAGE_ROSIGLITAZONE_AND_IL4_STIN
GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE_DN, GSE19941_LPS_VS_LPS_AND_IL10_STIM_IL10_KO_NFKBP50_KO_MACROPHAGE
GSE37301_CD4_TCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN, GSE37301_CD4_TCELL_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_DN
KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS, KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS
GOBP_TEMPERATURE_HOMEOSTASIS, GOBP_TEMPERATURE_HOMEOSTASIS
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_2H_ACT_CD4_TCELL_UP, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_2H_ACT_CD4_TCELL_UP
HP_ABNORMAL_CONJUNCTIVA_MORPHOLOGY, HP_ABNORMAL_CONJUNCTIVA_MORPHOLOGY
GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_DN, GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_DN
REACTOME_RHOJ_GTPASE_CYCLE, REACTOME_RHOJ_GTPASE_CYCLE
GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_DN, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_DN
ATAACCT_MIR154, ATAACCT_MIR154
GSE22501_PERIPHERAL_BLOOD_VS_CORD_BLOOD_TREG_UP, GSE22501_PERIPHERAL_BLOOD_VS_CORD_BLOOD_TREG_UP
HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_UP, HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_UP
GOBP_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION, GOBP_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
GOBP_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION, GOBP_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION
MIR12117, MIR12117
GOMF_BASAL_TRANSCRIPTION_MACHINERY_BINDING, GOMF_BASAL_TRANSCRIPTION_MACHINERY_BINDING
GSE37301_CD4_TCELL_VS_RAG2_KO_NK_CELL_UP, GSE37301_CD4_TCELL_VS_RAG2_KO_NK_CELL_UP
KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION, KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION
GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP, GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TC
GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_UNSTIM_MACROPHAGE_UP, GSE19941_IL10_KO_VS_IL10_KO_AND_NFKBP50_KO_UNSTIM_MACROPHAGE_UP
FAN_EMBRYONIC_CTX_ASTROCYTE_2, FAN_EMBRYONIC_CTX_ASTROCYTE_2
MIR10226, MIR10226
HP_HYPEROSTOSIS, HP_HYPEROSTOSIS
WP_CALCIUM_REGULATION_IN_THE_CARDIAC_CELL, WP_CALCIUM_REGULATION_IN_THE_CARDIAC_CELL
GSE25677_R848_VS_MPL_AND_R848_STIM_BCELL_UP, GSE25677_R848_VS_MPL_AND_R848_STIM_BCELL_UP
GOBP_GLYCOPROTEIN_CATABOLIC_PROCESS, GOBP_GLYCOPROTEIN_CATABOLIC_PROCESS
GOBP RESPONSE TO ANTIBIOTIC, GOBP RESPONSE TO ANTIBIOTIC
BOYLAN_MULTIPLE_MYELOMA_PCA3_UP, BOYLAN_MULTIPLE_MYELOMA_PCA3_UP
GOBP_MESONEPHROS_DEVELOPMENT, GOBP_MESONEPHROS_DEVELOPMENT
PID_ERBB4_PATHWAY, PID_ERBB4_PATHWAY
GOMF_HEXOSAMINIDASE_ACTIVITY, GOMF_HEXOSAMINIDASE_ACTIVITY
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GANGLIO_SERIES, KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GANGLIO_SERIES
HP_ESOPHAGEAL_VARIX, HP_ESOPHAGEAL_VARIX
HP_ABNORMAL_TRICUSPID_VALVE_MORPHOLOGY, HP_ABNORMAL_TRICUSPID_VALVE_MORPHOLOGY
GOMF_MANNOSIDASE_ACTIVITY, GOMF_MANNOSIDASE_ACTIVITY
GOBP_SUBSTRATE_DEPENDENT_CELL_MIGRATION, GOBP_SUBSTRATE_DEPENDENT_CELL_MIGRATION
REACTOME_RET_SIGNALING, REACTOME_RET_SIGNALING
BOYLAN_MULTIPLE_MYELOMA_C_DN, BOYLAN_MULTIPLE_MYELOMA_C_DN
HP_ABNORMAL_PLATELET_MORPHOLOGY, HP_ABNORMAL_PLATELET_MORPHOLOGY
GOMF_CAMP_DEPENDENT_PROTEIN_KINASE_ACTIVITY, GOMF_CAMP_DEPENDENT_PROTEIN_KINASE_ACTIVITY
GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_24H_ACT_CD4_TCELL_UP, GSE17974_IL4_AND_ANTI_IL12_VS_UNTREATED_24H_ACT_CD4_TCELL_UP
GOBP_GANGLIOSIDE_METABOLIC_PROCESS, GOBP_GANGLIOSIDE_METABOLIC_PROCESS
WP_OVERVIEW_OF_INTERFERONSMEDIATED_SIGNALING_PATHWAY, WP_OVERVIEW_OF_INTERFERONSMEDIATED_SIGNALING_PATHWAY
GOBP_NUCLEOSIDE_MONOPHOSPHATE_CATABOLIC_PROCESS, GOBP_NUCLEOSIDE_MONOPHOSPHATE_CATABOLIC_PROCESS
GOBP_POSITIVE_REGULATION_OF_MAST_CELL_ACTIVATION, GOBP_POSITIVE_REGULATION_OF_MAST_CELL_ACTIVATION
DESCARTES_FETAL_PANCREAS_ACINAR_CELLS, DESCARTES_FETAL_PANCREAS_ACINAR_CELLS
GOMF_CYCLIC_NUCLEOTIDE_DEPENDENT_PROTEIN_KINASE_ACTIVITY, GOMF_CYCLIC_NUCLEOTIDE_DEPENDENT_PROTEIN_KINASE_ACTIVITY
WP_DEGRADATION_PATHWAY_OF_SPHINGOLIPIDS_INCLUDING_DISEASES, WP_DEGRADATION_PATHWAY_OF_SPHINGOLIPIDS_INCLUDING_DISEASES
GOBP_POSITIVE_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION, GOBP_POSITIVE_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANS
GOMF_TRANSMEMBRANE_RECEPTOR_PROTEIN_TYROSINE_KINASE_ADAPTOR_ACTIVITY, GOMF_TRANSMEMBRANE_RECEPTOR_PROTEIN_TYROSINE_KINASE_
GSE19888_CTRL_VS_A3R_ACTIVATION_MAST_CELL_DN, GSE19888_CTRL_VS_A3R_ACTIVATION_MAST_CELL_DN
STOSSI_RESPONSE_TO_ESTRADIOL, STOSSI_RESPONSE_TO_ESTRADIOL
REACTOME_RESPONSE_TO_METAL_IONS, REACTOME_RESPONSE_TO_METAL_IONS
GOBP_BASE_CONVERSION_OR_SUBSTITUTION_EDITING, GOBP_BASE_CONVERSION_OR_SUBSTITUTION_EDITING
BIOCARTA_IL5_PATHWAY, BIOCARTA_IL5_PATHWAY
DESCARTES_FETAL_STOMACH_MUC13_DMBT1_POSITIVE_CELLS, DESCARTES_FETAL_STOMACH_MUC13_DMBT1_POSITIVE_CELLS
GOBP_EOSINOPHIL_MIGRATION, GOBP_EOSINOPHIL_MIGRATION
BIOCARTA_STEM_PATHWAY, BIOCARTA_STEM_PATHWAY
GOMF_G_PROTEIN_COUPLED_GLUTAMATE_RECEPTOR_BINDING, GOMF_G_PROTEIN_COUPLED_GLUTAMATE_RECEPTOR_BINDING
HP_MYELOPROLIFERATIVE_DISORDER, HP_MYELOPROLIFERATIVE_DISORDER
GOBP_T_HELPER_2_CELL_DIFFERENTIATION, GOBP_T_HELPER_2_CELL_DIFFERENTIATION
GOBP_INTERLEUKIN_13_PRODUCTION, GOBP_INTERLEUKIN_13_PRODUCTION
GOBP_STRESS_RESPONSE_TO_METAL_ION, GOBP_STRESS_RESPONSE_TO_METAL_ION
GOBP_ORGAN_OR_TISSUE_SPECIFIC_IMMUNE_RESPONSE, GOBP_ORGAN_OR_TISSUE_SPECIFIC_IMMUNE_RESPONSE
GOBP_CELL_FATE_COMMITMENT_INVOLVED_IN_FORMATION_OF_PRIMARY_GERM_LAYER, GOBP_CELL_FATE_COMMITMENT_INVOLVED_IN_FORMATION_OF
HP_RENAL_CORTICOMEDULLARY_CYSTS, HP_RENAL_CORTICOMEDULLARY_CYSTS
GOBP REGULATION OF STORE OPERATED CALCIUM ENTRY, GOBP REGULATION OF STORE OPERATED CALCIUM ENTRY
GOMF GABA RECEPTOR BINDING, GOMF GABA RECEPTOR BINDING
HANN_RESISTANCE_TO_BCL2_INHIBITOR_UP, HANN_RESISTANCE_TO_BCL2_INHIBITOR_UP
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GSE32164\_RESTING\_DIFFERENTIATED\_VS\_ALTERNATIVELY\_ACT\_M2\_MACROPHAGE\_DN, GSE32164\_RESTING\_DIFFERENTIATED\_VS\_ALTERNATIVELY\_ACT\_M2\_N

GSE21774\_CD62L\_POS\_CD56\_DIM\_VS\_CD62L\_NEG\_CD56\_DIM\_NK\_CELL\_UP, GSE21774\_CD62L\_POS\_CD56\_DIM\_VS\_CD62L\_NEG\_CD56\_DIM\_NK\_CELL\_UP

GSE32986\_UNSTIM\_VS\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_STIM\_DC\_DN, GSE32986\_UNSTIM\_VS\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_STIM\_DC\_DN

GSE26030\_UNSTIM\_VS\_RESTIM\_TH17\_DAY5\_POST\_POLARIZATION\_UP, GSE26030\_UNSTIM\_VS\_RESTIM\_TH17\_DAY5\_POST\_POLARIZATION\_UP

GSE22886\_TCELL\_VS\_BCELL\_NAIVE\_UP, GSE22886\_TCELL\_VS\_BCELL\_NAIVE\_UP