```
GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_DN, GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_DN
GSE41867_LCMV_ARMSTRONG_VS_CLONE13_DAY6_EFFECTOR_CD8_TCELL_DN, GSE41867_LCMV_ARMSTRONG_VS_CLONE13_DAY6_EFFECTOR_CD8_TCELL_DN
GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISSUE_TCONV_DN, GSE37532_WT_VS_PPARG_KO_VISCERAL_ADIPOSE_TISSUE_TCONV_DN
GO_MITOCHONDRIAL_TRANSLATION, GO_MITOCHONDRIAL_TRANSLATION
GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN, GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN
GO_TRANSLATIONAL_ELONGATION, GO_TRANSLATIONAL_ELONGATION
GSE17974_0.5H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN, GSE17974_0.5H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN
GO_TRANSLATIONAL_TERMINATION, GO_TRANSLATIONAL_TERMINATION
GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_2H_DN, GSE2770_TGFB_AND_IL4_ACT_VS_ACT_CD4_TCELL_2H_DN
GO_MACROMOLECULAR_COMPLEX_DISASSEMBLY, GO_MACROMOLECULAR_COMPLEX_DISASSEMBLY
GSE10325 BCELL VS LUPUS BCELL DN, GSE10325 BCELL VS LUPUS BCELL DN
GSE17974_0H_VS_72H_IN_VITRO_ACT_CD4_TCELL_DN, GSE17974_0H_VS_72H_IN_VITRO_ACT_CD4_TCELL_DN
GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_UP, GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_UP
GO_CELLULAR_PROTEIN_COMPLEX_DISASSEMBLY, GO_CELLULAR_PROTEIN_COMPLEX_DISASSEMBLY
GSE17721_POLYIC_VS_GARDIQUIMOD_24H_BMDC_DN, GSE17721_POLYIC_VS_GARDIQUIMOD_24H_BMDC_DN
GSE22886_CTRL_VS_LPS_24H_DC_DN, GSE22886_CTRL_VS_LPS_24H_DC_DN
GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN, GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN
GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
GSE42021_TREG_VS_TCONV_PLN_UP, GSE42021_TREG_VS_TCONV_PLN_UP
GSE15330_MEGAKARYOCYTE_ERYTHROID_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_IKAROS_KO_UP, GSE15330_MEGAKARYOCYTE_ERYTHROID_VS_GRANULOCYTE_MONOCYTE_PROGENITOR_IKAROS_KO_UP
GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN
GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
GSE17721_PAM3CSK4_VS_GADIQUIMOD_8H_BMDC_UP, GSE17721_PAM3CSK4_VS_GADIQUIMOD_8H_BMDC_UP
GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN, GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN
GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
GSE7548 NAIVE VS DAY7 PCC IMMUNIZATION CD4 TCELL DN, GSE7548 NAIVE VS DAY7 PCC IMMUNIZATION CD4 TCELL DN
GSE6269_FLU_VS_E_COLI_INF_PBMC_UP, GSE6269_FLU_VS_E_COLI_INF_PBMC_UP
GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MONOCYTES_DN, GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MONOCYTES_DN
GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP
GSE13485_DAY1_VS_DAY7_YF17D_VACCINE_PBMC_DN, GSE13485_DAY1_VS_DAY7_YF17D_VACCINE_PBMC_DN
HALLMARK_INTERFERON_GAMMA_RESPONSE, HALLMARK_INTERFERON_GAMMA_RESPONSE
GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN, GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN
GSE41978_ID2_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP, GSE41978_ID2_KO_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP
GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_DN, GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_DN
GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_6H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_6H_DN
GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT_BY_A3R_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_INH_PRETREAT_AND_ACT_BY_A3R_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP
GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_UP, GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_UP
GO_ORGANELLAR_RIBOSOME, GO_ORGANELLAR_RIBOSOME
GSE14000_UNSTIM_VS_4H_LPS_DC_DN, GSE14000_UNSTIM_VS_4H_LPS_DC_DN
GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_6H_UP, GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_6H_UP
GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_DN, GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_DN
GSE3982_EOSINOPHIL_VS_NEUTROPHIL_UP, GSE3982_EOSINOPHIL_VS_NEUTROPHIL_UP
GSE1432 6H VS 24H IFNG MICROGLIA DN, GSE1432 6H VS 24H IFNG MICROGLIA DN
GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN
GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_PBMC_UP, GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_PBMC_UP
GSE36826 WT VS IL1R KO SKIN STAPH AUREUS INF DN, GSE36826 WT VS IL1R KO SKIN STAPH AUREUS INF DN
HALLMARK INTERFERON ALPHA RESPONSE, HALLMARK INTERFERON ALPHA RESPONSE
GSE18791 CTRL VS NEWCASTLE VIRUS DC 8H DN, GSE18791 CTRL VS NEWCASTLE VIRUS DC 8H DN
GSE40685 TREG VS FOXP3 KO TREG PRECURSOR UP, GSE40685 TREG VS FOXP3 KO TREG PRECURSOR UP
GSE42021 TREG PLN VS TREG PRECURSORS THYMUS DN, GSE42021 TREG PLN VS TREG PRECURSORS THYMUS DN
GSE1432 CTRL VS IFNG 6H MICROGLIA DN, GSE1432 CTRL VS IFNG 6H MICROGLIA DN
GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_DN, GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_DN
GSE21546_ELK1_KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP, GSE21546_ELK1_KO_VS_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP
GSE13411_NAIVE_VS_MEMORY_BCELL_DN, GSE13411_NAIVE_VS_MEMORY_BCELL_DN
LI_DCP2_BOUND_MRNA, LI_DCP2_BOUND_MRNA
GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_UP, GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_UP
GSE42021 TCONV PLN VS CD24HI TCONV THYMUS UP, GSE42021 TCONV PLN VS CD24HI TCONV THYMUS UP
GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP, GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP
GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN, GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN
GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_3H_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS, KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
GSE16755_CTRL_VS_IFNA_TREATED_MAC_DN, GSE16755_CTRL_VS_IFNA_TREATED_MAC_DN
GSE24026_PD1_LIGATION_VS_CTRL_IN_ACT_TCELL_LINE_UP, GSE24026_PD1_LIGATION_VS_CTRL_IN_ACT_TCELL_LINE_UP
GO_RRNA_BINDING, GO_RRNA_BINDING
GSE24726_WT_VS_E2-2_KO_PDC_DAY4_POST_DELETION_DN, GSE24726_WT_VS_E2-2_KO_PDC_DAY4_POST_DELETION_DN
GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN, GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN
GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN, GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN
GSE37534_UNTREATED_VS_PIOGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37534_UNTREATED_VS_PIOGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP
GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_48H_CD8_T_CELL_DN
REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT, REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT
GSE11924_TFH_VS_TH1_CD4_TCELL_DN, GSE11924_TFH_VS_TH1_CD4_TCELL_DN
MORF_FANCG, MORF_FANCG
MEK_UP.V1_DN, MEK_UP.V1_DN
GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_DN, GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_DN
GSE39820 TGFBETA1 IL6 VS TGFBETA1 IL6 IL23A TREATED CD4 TCELL DN, GSE39820 TGFBETA1 IL6 VS TGFBETA1 IL6 IL23A TREATED CD4 TCELL DN
GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN, GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN
GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_DN, GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_DN
BROWNE_INTERFERON_RESPONSIVE_GENES, BROWNE_INTERFERON_RESPONSIVE_GENES
GSE34156 NOD2 LIGAND VS TLR1 TLR2 LIGAND 6H TREATED MONOCYTE UP, GSE34156 NOD2 LIGAND VS TLR1 TLR2 LIGAND 6H TREATED MONOCYTE UP
GSE42021 CD24INT VS CD24LOW TREG THYMUS DN, GSE42021 CD24INT VS CD24LOW TREG THYMUS DN
GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP
GSE3720_VD1_VS_VD2_GAMMADELTA_TCELL_WITH_LPS_STIM_DN, GSE3720_VD1_VS_VD2_GAMMADELTA_TCELL_WITH_LPS_STIM_DN
GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN, GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN
GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_DN
GSE37534 UNTREATED VS GW1929 TREATED CD4 TCELL PPARG1 AND FOXP3 TRASDUCED UP, GSE37534 UNTREATED VS GW1929 TREATED CD4 TCELL PPARG1 AND FOXP3 TRASDUCED UP
LTE2_UP.V1_DN, LTE2_UP.V1_DN
GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_ADULT_DN, GSE24142_EARLY_THYMIC_PROGENITOR_VS_DN3_THYMOCYTE_ADULT_DN
GO_ORGANELLAR_LARGE_RIBOSOMAL_SUBUNIT, GO_ORGANELLAR_LARGE_RIBOSOMAL_SUBUNIT
GSE37534_UNTREATED_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37534_UNTREATED_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN
GSE39820 TGFBETA3 IL6_VS_TGFBETA3_IL6_IL23A_TREATED_CD4_TCELL_DN, GSE39820_TGFBETA3_IL6_VS_TGFBETA3_IL6_IL23A_TREATED_CD4_TCELL_DN
GSE2585 THYMIC MACROPHAGE VS MTEC UP, GSE2585 THYMIC MACROPHAGE VS MTEC UP
GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_DN, GSE37301_LYMPHOID_PRIMED_MPP_VS_COMMON_LYMPHOID_PROGENITOR_DN
PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_DN, PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_DN
GO_RNA_CAPPING, GO_RNA_CAPPING
GSE19888_ADENOSINE_A3R_INH_VS_ACT_WITH_INHIBITOR_PRETREATMENT_IN_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_INH_VS_ACT_WITH_INHIBITOR_PRETREATMENT_IN_MAST_CELL_UP
GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP
EINAV_INTERFERON_SIGNATURE_IN_CANCER, EINAV_INTERFERON_SIGNATURE_IN_CANCER
GO_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS, GO_REGULATION_OF_DEFENSE_RESPONSE_TO_VIRUS
GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_DN, GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_DN
GSE11961 MEMORY BCELL DAY7 VS GERMINAL CENTER BCELL DAY40 UP, GSE11961 MEMORY BCELL DAY7 VS GERMINAL CENTER BCELL DAY40 UP
GO_RESPONSE_TO_TYPE_I_INTERFERON, GO_RESPONSE_TO_TYPE_I_INTERFERON
GSE42021_CD24HI_VS_CD24LOW_TREG_THYMUS_DN, GSE42021_CD24HI_VS_CD24LOW_TREG_THYMUS_DN
GSE37533 UNTREATED VS PIOGLIZATONE TREATED CD4 TCELL FOXP3 TRASDUCED CD4 TCELL UP, GSE37533 UNTREATED VS PIOGLIZATONE TREATED CD4 TCELL FOXP3 TRASDUCED CD4 TCELL UP
MODULE_345, MODULE_345
DAUER_STAT3_TARGETS_DN, DAUER_STAT3_TARGETS_DN
GO_PROTEASOME_ACCESSORY_COMPLEX, GO_PROTEASOME_ACCESSORY_COMPLEX
GSE5589_WT_VS_IL10_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP, GSE5589_WT_VS_IL10_KO_LPS_AND_IL10_STIM_MACROPHAGE_180MIN_UP
REACTOME INTERFERON ALPHA BETA SIGNALING, REACTOME INTERFERON ALPHA BETA SIGNALING
GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN, GSE360_L_MAJOR_VS_M_TUBERCULOSIS_DC_DN
GO_ORGANELLAR_SMALL_RIBOSOMAL_SUBUNIT, GO_ORGANELLAR_SMALL_RIBOSOMAL_SUBUNIT
REACTOME_NEGATIVE_REGULATORS_OF_RIG_I_MDA5_SIGNALING, REACTOME_NEGATIVE_REGULATORS_OF_RIG_I_MDA5_SIGNALING
GO_REGULATION_OF_VIRAL_TRANSCRIPTION, GO_REGULATION_OF_VIRAL_TRANSCRIPTION
GO_NEGATIVE_REGULATION_OF_VIRAL_GENOME_REPLICATION, GO_NEGATIVE_REGULATION_OF_VIRAL_GENOME_REPLICATION
GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_UP, GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_UP
GSE6674_UNSTIM_VS_PL2_3_STIM_BCELL_UP, GSE6674_UNSTIM_VS_PL2_3_STIM_BCELL_UP
BENNETT_SYSTEMIC_LUPUS_ERYTHEMATOSUS, BENNETT_SYSTEMIC_LUPUS_ERYTHEMATOSUS
UROSEVIC_RESPONSE_TO_IMIQUIMOD, UROSEVIC_RESPONSE_TO_IMIQUIMOD
BOWIE_RESPONSE_TO_TAMOXIFEN, BOWIE_RESPONSE_TO_TAMOXIFEN
RADAEVA_RESPONSE_TO_IFNA1_UP, RADAEVA_RESPONSE_TO_IFNA1_UP
MODULE_233, MODULE_233
REACTOME_SIGNALING_BY_SCF_KIT, REACTOME_SIGNALING_BY_SCF_KIT
RODWELL_AGING_KIDNEY_NO_BLOOD_DN, RODWELL_AGING_KIDNEY_NO_BLOOD_DN
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_60H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_60H_UP
GO_PROTEIN_K11_LINKED_UBIQUITINATION, GO_PROTEIN_K11_LINKED_UBIQUITINATION
GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_DN, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_3H_DN
ZHANG_INTERFERON_RESPONSE, ZHANG_INTERFERON_RESPONSE
RODWELL_AGING_KIDNEY_DN, RODWELL_AGING_KIDNEY_DN
GSE21546_UNSTIM_VS_ANTI_CD3_STIM_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_SAP1A_KO_AND_ELK1_KO_DP_THYMOCYTES_UP
GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP, GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP
GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP, GSE22935_WT_VS_MYD88_KO_MACROPHAGE_12H_MBOVIS_BCG_STIM_UP
FARMER_BREAST_CANCER_CLUSTER_1, FARMER_BREAST_CANCER_CLUSTER_1
GSE22432_MULTIPOTENT_PROGENITOR_VS_PDC_UP, GSE22432_MULTIPOTENT_PROGENITOR_VS_PDC_UP
KRASNOSELSKAYA_ILF3_TARGETS_UP, KRASNOSELSKAYA_ILF3_TARGETS_UP
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C57BL6\_MONOCYTE\_TUMOR\_UP, GSE21927\_BALBC\_VS\_C57BL6\_MONOCYTE\_TUMOR\_UP

REACTOME\_RIG\_I\_MDA5\_MEDIATED\_INDUCTION\_OF\_IFN\_ALPHA\_BETA\_PATHWAYS, REACTOME\_RIG\_I\_MDA5\_MEDIATED\_INDUCTION\_OF\_IFN\_ALPHA\_BETA\_PATHWAYS GO\_REGULATION\_OF\_TRANSCRIPTION\_INITIATION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER, GO\_REGULATION\_OF\_TRANSCRIPTION\_INITIATION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER GO\_PEPTIDYL\_LYSINE\_TRIMETHYLATION, GO\_PEPTIDYL\_LYSINE\_TRIMETHYLATION KANG\_GIST\_WITH\_PDGFRA\_UP, KANG\_GIST\_WITH\_PDGFRA\_UP GO\_POSITIVE\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_IN\_RESPONSE\_TO\_STRESS, GO\_POSITIVE\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_IN\_RESPONSE\_TO\_STRESS.

BOWIE\_RESPONSE\_TO\_EXTRACELLULAR\_MATRIX, BOWIE\_RESPONSE\_TO\_EXTRACELLULAR\_MATRIX GO\_MITOCHONDRION\_MORPHOGENESIS, GO\_MITOCHONDRION\_MORPHOGENESIS GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_YELLOW\_DN, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_YELLOW\_DN GSE2770\_IL12\_AND\_TGFB\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_DN, GSE2770\_IL12\_AND\_TGFB\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_DN OUYANG\_PROSTATE\_CANCER\_PROGRESSION\_DN, OUYANG\_PROSTATE\_CANCER\_PROGRESSION\_DN

GO\_REGULATION\_OF\_DNA\_TEMPLATED\_TRANSCRIPTION\_INITIATION, GO\_REGULATION\_OF\_DNA\_TEMPLATED\_TRANSCRIPTION\_INITIATION

GO\_POSITIVE\_REGULATION\_OF\_MRNA\_SPLICING\_VIA\_SPLICEOSOME, GO\_POSITIVE\_REGULATION\_OF\_MRNA\_SPLICING\_VIA\_SPLICEOSOME

PRAMOONJAGO\_SOX4\_TARGETS\_UP, PRAMOONJAGO\_SOX4\_TARGETS\_UP GSE18281\_SUBCAPSULAR\_VS\_PERIMEDULLARY\_CORTICAL\_REGION\_OF\_THYMUS\_DN, GSE18281\_SUBCAPSULAR\_VS\_PERIMEDULLARY\_CORTICAL\_REGION\_OF\_THYMUS\_DN DIRMEIER\_LMP1\_RESPONSE\_LATE\_DN, DIRMEIER\_LMP1\_RESPONSE\_LATE\_DN GO\_DRUG\_TRANSPORTER\_ACTIVITY, GO\_DRUG\_TRANSPORTER\_ACTIVITY GO\_SNARE\_COMPLEX, GO\_SNARE\_COMPLEX

GSE39820\_TGFBETA1\_VS\_TGFBETA3\_IN\_IL6\_TREATED\_CD4\_TCELL\_DN, GSE39820\_TGFBETA1\_VS\_TGFBETA3\_IN\_IL6\_TREATED\_CD4\_TCELL\_DN GO\_GLUTAMINE\_FAMILY\_AMINO\_ACID\_METABOLIC\_PROCESS, GO\_GLUTAMINE\_FAMILY\_AMINO\_ACID\_METABOLIC\_PROCESS TSAI\_DNAJB4\_TARGETS\_UP, TSAI\_DNAJB4\_TARGETS\_UP STAMBOLSKY\_TARGETS\_OF\_MUTATED\_TP53\_DN, STAMBOLSKY\_TARGETS\_OF\_MUTATED\_TP53\_DN MANN\_RESPONSE\_TO\_AMIFOSTINE\_UP, MANN\_RESPONSE\_TO\_AMIFOSTINE\_UP

GSE36476\_YOUNG\_VS\_OLD\_DONOR\_MEMORY\_CD4\_TCELL\_16H\_TSST\_ACT\_UP, GSE36476\_YOUNG\_VS\_OLD\_DONOR\_MEMORY\_CD4\_TCELL\_16H\_TSST\_ACT\_UP

GO\_IMP\_BIOSYNTHETIC\_PROCESS, GO\_IMP\_BIOSYNTHETIC\_PROCESS MAHADEVAN\_RESPONSE\_TO\_MP470\_DN, MAHADEVAN\_RESPONSE\_TO\_MP470\_DN GO\_DRUG\_TRANSPORT, GO\_DRUG\_TRANSPORT GO\_C\_ACYLTRANSFERASE\_ACTIVITY, GO\_C\_ACYLTRANSFERASE\_ACTIVITY FALVELLA\_SMOKERS\_WITH\_LUNG\_CANCER, FALVELLA\_SMOKERS\_WITH\_LUNG\_CANCER

GSE3400\_UNTREATED\_VS\_IFNB\_TREATED\_MEF\_DN, GSE3400\_UNTREATED\_VS\_IFNB\_TREATED\_MEF\_DN

REACTOME\_PIP3\_ACTIVATES\_AKT\_SIGNALING, REACTOME\_PIP3\_ACTIVATES\_AKT\_SIGNALING

GO\_OXALOACETATE\_METABOLIC\_PROCESS, GO\_OXALOACETATE\_METABOLIC\_PROCESS

GO\_REGULATION\_OF\_DEFENSE\_RESPONSE\_TO\_VIRUS\_BY\_HOST, GO\_REGULATION\_OF\_DEFENSE\_RESPONSE\_TO\_VIRUS\_BY\_HOST GO\_EARLY\_ENDOSOME\_MEMBRANE, GO\_EARLY\_ENDOSOME\_MEMBRANE TSAI\_RESPONSE\_TO\_RADIATION\_THERAPY, TSAI\_RESPONSE\_TO\_RADIATION\_THERAPY XU\_AKT1\_TARGETS\_6HR, XU\_AKT1\_TARGETS\_6HR

GO\_REGULATION\_OF\_DNA\_TEMPLATED\_TRANSCRIPTION\_IN\_RESPONSE\_TO\_STRESS, GO\_REGULATION\_OF\_DNA\_TEMPLATED\_TRANSCRIPTION\_IN\_RESPONSE\_TO\_STRESS GSE9316\_CD4\_TCELL\_BALBC\_VS\_TH17\_ENRI\_CD4\_TCELL\_SKG\_PMA\_IONO\_STIM\_FR4NEG\_UP, GSE9316\_CD4\_TCELL\_BALBC\_VS\_TH17\_ENRI\_CD4\_TCELL\_SKG\_PMA\_IONO\_STIM\_FR4NEG\_UP GSE43863\_NAIVE\_VS\_TH1\_EFF\_CD4\_TCELL\_D6\_LCMV\_DN, GSE43863\_NAIVE\_VS\_TH1\_EFF\_CD4\_TCELL\_D6\_LCMV\_DN GO\_TRANSCRIPTIONAL\_ACTIVATOR\_ACTIVITY\_RNA\_POLYMERASE\_II\_DISTAL\_ENHANCER\_SEQUENCE\_SPECIFIC\_BINDING, GO\_TRANSCRIPTIONAL\_ACTIVATOR\_ACTIVITY\_RNA\_POLYMERASE\_II\_DISTAL\_ENHANCER\_SEQUENCE

GSE37301\_PRO\_BCELL\_VS\_CD4\_TCELL\_DN, GSE37301\_PRO\_BCELL\_VS\_CD4\_TCELL\_DN XU\_HGF\_TARGETS\_INDUCED\_BY\_AKT1\_6HR, XU\_HGF\_TARGETS\_INDUCED\_BY\_AKT1\_6HR LINDSTEDT\_DENDRITIC\_CELL\_MATURATION\_C, LINDSTEDT\_DENDRITIC\_CELL\_MATURATION\_C GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_BCELL\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_BCELL\_DN GSE29949 MICROGLIA BRAIN VS CD8 POS DC SPLEEN DN, GSE29949 MICROGLIA BRAIN VS CD8 POS DC SPLEEN DN

GO\_MACROMITOPHAGY, GO\_MACROMITOPHAGY GO\_POSITIVE\_REGULATION\_OF\_TRANSCRIPTION\_INITIATION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER, GO\_POSITIVE\_REGULATION\_OF\_TRANSCRIPTION\_INITIATION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER PID P38 ALPHA BETA DOWNSTREAM PATHWAY, PID P38 ALPHA BETA DOWNSTREAM PATHWAY BIOCARTA\_RAS\_PATHWAY, BIOCARTA\_RAS\_PATHWAY ZHU CMV 8 HR UP, ZHU CMV 8 HR UP

GO PROTEASOME REGULATORY PARTICLE BASE SUBCOMPLEX, GO PROTEASOME REGULATORY PARTICLE BASE SUBCOMPLEX

GO\_XENOPHAGY, GO\_XENOPHAGY chr4q12, chr4q12 GSE1740\_MCSF\_VS\_MCSF\_AND\_IFNG\_DAY2\_DERIVED\_MACROPHAGE\_UP, GSE1740\_MCSF\_VS\_MCSF\_AND\_IFNG\_DAY2\_DERIVED\_MACROPHAGE\_UP

NOJIMA\_SFRP2\_TARGETS\_DN, NOJIMA\_SFRP2\_TARGETS\_DN HAN JNK SINGALING UP, HAN JNK SINGALING UP

AMIT\_EGF\_RESPONSE\_120\_MCF10A, AMIT\_EGF\_RESPONSE\_120\_MCF10A

GALE\_APL\_WITH\_FLT3\_MUTATED\_DN, GALE\_APL\_WITH\_FLT3\_MUTATED\_DN

GO\_ASPARTATE\_FAMILY\_AMINO\_ACID\_BIOSYNTHETIC\_PROCESS, GO\_ASPARTATE\_FAMILY\_AMINO\_ACID\_BIOSYNTHETIC\_PROCESS

chr4q24, chr4q24

CHANG\_IMMORTALIZED\_BY\_HPV31\_DN, CHANG\_IMMORTALIZED\_BY\_HPV31\_DN

CHOW\_RASSF1\_TARGETS\_DN, CHOW\_RASSF1\_TARGETS\_DN BANDRES\_RESPONSE\_TO\_CARMUSTIN\_MGMT\_48HR\_DN, BANDRES\_RESPONSE\_TO\_CARMUSTIN\_MGMT\_48HR\_DN

GSE9946\_IMMATURE\_VS\_PROSTAGLANDINE2\_TREATED\_MATURE\_DC\_UP, GSE9946\_IMMATURE\_VS\_PROSTAGLANDINE2\_TREATED\_MATURE\_DC\_UP GSE25088\_CTRL\_VS\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DN, GSE25088\_CTRL\_VS\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DN GO\_POSITIVE\_REGULATION\_OF\_DNA\_TEMPLATED\_TRANSCRIPTION\_INITIATION, GO\_POSITIVE\_REGULATION\_OF\_DNA\_TEMPLATED\_TRANSCRIPTION\_INITIATION KENNY\_CTNNB1\_TARGETS\_DN, KENNY\_CTNNB1\_TARGETS\_DN

GSE369 PRE VS POST IL6 INJECTION IFNG WT LIVER UP, GSE369 PRE VS POST IL6 INJECTION IFNG WT LIVER UP chr11p13, chr11p13 AHRARNT\_02, AHRARNT\_02

TIMOFEEVA\_GROWTH\_STRESS\_VIA\_STAT1\_DN, TIMOFEEVA\_GROWTH\_STRESS\_VIA\_STAT1\_DN KIM\_LRRC3B\_TARGETS, KIM\_LRRC3B\_TARGETS

GSE29618 PRE VS DAY7 POST LAIV FLU VACCINE MONOCYTE UP, GSE29618 PRE VS DAY7 POST LAIV FLU VACCINE MONOCYTE UP