```
GSE18893_TCONV_VS_TREG_2H_TNF_STIM_DN, GSE18893_TCONV_VS_TREG_2H_TNF_STIM_DN
                                                                                                                  GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN, GSE32986_UNSTIM_VS_GMCSF_AND_CURDLAN_LOWDOSE_STIM_DC_DN
                                                                                                                  GSE42088_UNINF_VS_LEISHMANIA_INF_DC_2H_DN, GSE42088_UNINF_VS_LEISHMANIA_INF_DC_2H_DN
                                                                                                                  ZHENG FOXP3 TARGETS IN THYMUS UP, ZHENG FOXP3 TARGETS IN THYMUS UP
                                                                                                                  GSE45881_CXCR6HI_VS_CXCR1LO_COLONIC_LAMINA_PROPRIA_UP, GSE45881_CXCR6HI_VS_CXCR1LO_COLONIC_LAMINA_PROPRIA_UP
                                                                                                                   GSE7568_CTRL_VS_3H_TGFB_TREATED_MACROPHAGES_WITH_IL4_AND_DEXAMETHASONE_DN, GSE7568_CTRL_VS_3H_TGFB_TREATED_MACROPHAGES_WITH_IL4_AND_DEXAMETHASONE_DN
                                                                                                                  GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMC_UP, GSE6269_FLU_VS_STAPH_AUREUS_INF_PBMC_UP
                                                                                                                  GSE28408_LY6G_POS_VS_NEG_DC_UP, GSE28408_LY6G_POS_VS_NEG_DC_UP
                                                                                                                   GSE23398_WT_VS_IL2_KO_CD4_TCELL_SCURFY_MOUSE_DN, GSE23398_WT_VS_IL2_KO_CD4_TCELL_SCURFY_MOUSE_DN
                                                                                                                  GSE22886 IGG_IGA_MEMORY_BCELL_VS_BM_PLASMA_CELL_UP, GSE22886_IGG_IGA_MEMORY_BCELL_VS_BM_PLASMA_CELL_UP
                                                                                                                  GSE13229_IMM_VS_INTMATURE_NKCELL_DN, GSE13229_IMM_VS_INTMATURE_NKCELL_DN
                                                                                                                  GSE41867 DAY6_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_DN, GSE41867_DAY6_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_DN
                                                                                                                  GSE28726_ACT_CD4_TCELL_VS_ACT_NKTCELL_DN, GSE28726_ACT_CD4_TCELL_VS_ACT_NKTCELL_DN
                                                                                                                  GSE19888_CTRL_VS_A3R_INHIBITOR_TREATED_MAST_CELL_DN, GSE19888_CTRL_VS_A3R_INHIBITOR_TREATED_MAST_CELL_DN
                                                                                                                  GSE22886_NAIVE_TCELL_VS_DC_UP, GSE22886_NAIVE_TCELL_VS_DC_UP
                                                                                                                  PODAR_RESPONSE_TO_ADAPHOSTIN_UP, PODAR_RESPONSE_TO_ADAPHOSTIN_UP
                                                                                                                  GSE6269_HEALTHY_VS_E_COLI_INF_PBMC_UP, GSE6269_HEALTHY_VS_E_COLI_INF_PBMC_UP
                                                                                                                  GSE27786_CD4_TCELL_VS_NKCELL_DN, GSE27786_CD4_TCELL_VS_NKCELL_DN
                                                                                                                  GSE16385_IFNG_TNF_VS_UNSTIM_MACROPHAGE_ROSIGLITAZONE_TREATED_DN, GSE16385_IFNG_TNF_VS_UNSTIM_MACROPHAGE_ROSIGLITAZONE_TREATED_DN
                                                                                                                  GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH1_UP, GSE22886_NAIVE_CD4_TCELL_VS_48H_ACT_TH1_UP
                                                                                                                  GSE16385_ROSIGLITAZONE_IL4_VS_IFNG_TNF_STIM_MACROPHAGE_UP, GSE16385_ROSIGLITAZONE_IL4_VS_IFNG_TNF_STIM_MACROPHAGE_UP
                                                                                                                  GSE22886_DAY0_VS_DAY7_MONOCYTE_IN_CULTURE_UP, GSE22886_DAY0_VS_DAY7_MONOCYTE_IN_CULTURE_UP
                                                                                                                  GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_UP, GSE4984_GALECTIN1_VS_VEHICLE_CTRL_TREATED_DC_UP
                                                                                                                  GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_KO_8H_UP, GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_KO_8H_UP
                                                                                                                  GSE17301_IFNA2_VS_IFNA2_AND_ACD3_ACD28_STIM_CD8_TCELL_UP, GSE17301_IFNA2_VS_IFNA2_AND_ACD3_ACD28_STIM_CD8_TCELL_UP
                                                                                                                  GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_DN, GSE2770_IL12_VS_IL4_TREATED_ACT_CD4_TCELL_6H_DN
                                                                                                                  GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_DN, GSE41867_NAIVE_VS_DAY30_LCMV_CLONE13_EXHAUSTED_CD8_TCELL_DN
                                                                                                                  GSE24574_BCL6_HIGH_TFH_VS_TFH_CD4_TCELL_DN, GSE24574_BCL6_HIGH_TFH_VS_TFH_CD4_TCELL_DN
                                                                                                                  GSE22886_DC_VS_MONOCYTE_DN, GSE22886_DC_VS_MONOCYTE_DN
                                                                                                                  GSE16450_CTRL_VS_IFNA_6H_STIM_IMMATURE_NEURON_CELL_LINE_DN, GSE16450_CTRL_VS_IFNA_6H_STIM_IMMATURE_NEURON_CELL_LINE_DN
                                                                                                                  GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACROPHAGE_UP, GSE5099_CLASSICAL_M1_VS_ALTERNATIVE_M2_MACROPHAGE_UP
                                                                                                                  GSE36476_CTRL_VS_TSST_ACT_72H_MEMORY_CD4_TCELL_YOUNG_UP, GSE36476_CTRL_VS_TSST_ACT_72H_MEMORY_CD4_TCELL_YOUNG_UP
                                                                                                                  GSE28726_ACT_CD4_TCELL_VS_ACT_VA24NEG_NKTCELL_DN, GSE28726_ACT_CD4_TCELL_VS_ACT_VA24NEG_NKTCELL_DN
                                                                                                                  GSE24634_NAIVE_CD4_TCELL_VS_DAY5_IL4_CONV_TREG_UP, GSE24634_NAIVE_CD4_TCELL_VS_DAY5_IL4_CONV_TREG_UP
                                                                                                                  GSE40274_CTRL_VS_FOXP3_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_FOXP3_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                  GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_YOUNG_UP, GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_YOUNG_UP
                                                                                                                  GSE32986_UNSTIM_VS_CURDLAN_HIGHDOSE_STIM_DC_DN, GSE32986_UNSTIM_VS_CURDLAN_HIGHDOSE_STIM_DC_DN
                                                                                                                  GSE11057_CD4_CENT_MEM_VS_PBMC_UP, GSE11057_CD4_CENT_MEM_VS_PBMC_UP
                                                                                                                  GSE6259_BCELL_VS_CD8_TCELL_DN, GSE6259_BCELL_VS_CD8_TCELL_DN
                                                                                                                  LEE_DIFFERENTIATING_T_LYMPHOCYTE, LEE_DIFFERENTIATING_T_LYMPHOCYTE
                                                                                                                  CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP, CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP
                                                                                                                  PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_DN, PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_DN
                                                                                                                  GSE25123 CTRL VS ROSIGLITAZONE STIM MACROPHAGE UP, GSE25123 CTRL VS ROSIGLITAZONE STIM MACROPHAGE UP
                                                                                                                   GSE22886 IGM MEMORY BCELL VS BM PLASMA CELL UP, GSE22886 IGM MEMORY BCELL VS BM PLASMA CELL UP
                                                                                                                  GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN, GSE24634_TEFF_VS_TCONV_DAY5_IN_CULTURE_DN
                                                                                                                  GSE11057_PBMC_VS_MEM_CD4_TCELL_DN, GSE11057_PBMC_VS_MEM_CD4_TCELL_DN
                                                                                                                  GSE21033 CTRL VS POLYIC STIM DC 12H UP, GSE21033 CTRL VS POLYIC STIM DC 12H UP
                                                                                                                  GSE21063 CTRL VS ANTI IGM STIM BCELL NFATC1 KO 3H DN, GSE21063 CTRL VS ANTI IGM STIM BCELL NFATC1 KO 3H DN
                                                                                                                  GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_24H_CD4_TCELL_UP, GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_24H_CD4_TCELL_UP
                                                                                                                  GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_BCELL_UP, GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_BCELL_UP
                                                                                                                  GSE22886 NAIVE CD4 TCELL VS 12H ACT TH1 UP, GSE22886 NAIVE CD4 TCELL VS 12H ACT TH1 UP
                                                                                                                  GSE17974_0H_VS_12H_IN_VITRO_ACT_CD4_TCELL_UP, GSE17974_0H_VS_12H_IN_VITRO_ACT_CD4_TCELL_UP
                                                                                                                  GSE22886_NAIVE_TCELL_VS_MONOCYTE_UP, GSE22886_NAIVE_TCELL_VS_MONOCYTE_UP
                                                                                                                  GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_UP, GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_UP
                                                                                                                  HALLMARK_P53_PATHWAY, HALLMARK_P53_PATHWAY
                                                                                                                  GNF2_DDX5, GNF2_DDX5
                                                                                                                  GSE39820_CTRL_VS_TGFBETA3_IL6_CD4_TCELL_DN, GSE39820_CTRL_VS_TGFBETA3_IL6_CD4_TCELL_DN
                                                                                                                  GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_DN, GSE30971_WBP7_HET_VS_KO_MACROPHAGE_4H_LPS_STIM_DN
                                                                                                                  GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP, GSE22886_UNSTIM_VS_IL2_STIM_NKCELL_UP
                                                                                                                  GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_DN, GSE5679_RARA_AGONIST_AM580_VS_AM580_AND_ROSIGLITAZONE_TREATED_DC_DN
                                                                                                                  GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_4H_CD4_TCELL_UP, GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_4H_CD4_TCELL_UP
                                                                                                                  GSE31082_DN_VS_CD4_SP_THYMOCYTE_DN, GSE31082_DN_VS_CD4_SP_THYMOCYTE_DN
                                                                                                                  GSE45739_NRAS_KO_VS_WT_UNSTIM_CD4_TCELL_DN, GSE45739_NRAS_KO_VS_WT_UNSTIM_CD4_TCELL_DN
                                                                                                                  GSE29618_BCELL_VS_MDC_UP, GSE29618_BCELL_VS_MDC_UP
                                                                                                                  GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN, GSE1460_INTRATHYMIC_T_PROGENITOR_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN
                                                                                                                  GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_UP, GSE22886_NAIVE_CD4_TCELL_VS_12H_ACT_TH2_UP
                                                                                                                  GSE40274_FOXP3_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_FOXP3_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                                                  GSE17721_0.5H_VS_12H_GARDIQUIMOD_BMDC_DN, GSE17721_0.5H_VS_12H_GARDIQUIMOD_BMDC_DN
                                                                                                                  GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN, GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN
                                                                                                                  GSE42021_TCONV_PLN_VS_TREG_PRECURSORS_THYMUS_UP, GSE42021_TCONV_PLN_VS_TREG_PRECURSORS_THYMUS_UP
                                                                                                                  GSE3982_BASOPHIL_VS_TH2_UP, GSE3982_BASOPHIL_VS_TH2_UP
                                                                                                                  GSE10325_CD4_TCELL_VS_BCELL_UP, GSE10325_CD4_TCELL_VS_BCELL_UP
                                                                                                                  GSE40068_CXCR5POS_BCL6POS_TFH_VS_CXCR5NEG_BCL6NEG_CD4_TCELL_UP, GSE40068_CXCR5POS_BCL6POS_TFH_VS_CXCR5NEG_BCL6NEG_CD4_TCELL_UP
                                                                                                                  GSE17974_0H_VS_2H_IN_VITRO_ACT_CD4_TCELL_UP, GSE17974_0H_VS_2H_IN_VITRO_ACT_CD4_TCELL_UP
                                                                                                                  GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_UP, GSE16450_IMMATURE_VS_MATURE_NEURON_CELL_LINE_UP
                                                                                                                  GSE20727 H2O2 VS ROS INHIBITOR TREATED DC DN, GSE20727 H2O2 VS ROS INHIBITOR TREATED DC DN
                                                                                                                  GSE27786_CD4_TCELL_VS_NKCELL_UP, GSE27786_CD4_TCELL_VS_NKCELL_UP
                                                                                                                  GSE33292_WT_VS_TCF1_KO_DN3_THYMOCYTE_UP, GSE33292_WT_VS_TCF1_KO_DN3_THYMOCYTE_UP
                                                                                                                  GSE26156_DOUBLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP, GSE26156_DOUBLE_POSITIVE_VS_CD4_SINGLE_POSITIVE_THYMOCYTE_UP
                                                                                                                  GSE18281 CORTICAL THYMOCYTE VS WHOLE CORTEX THYMUS DN, GSE18281 CORTICAL THYMOCYTE VS WHOLE CORTEX THYMUS DN
                                                                                                                  MTOR_UP.N4.V1_DN, MTOR_UP.N4.V1_DN
                                                                                                                  GSE12845_NAIVE_VS_PRE_GC_TONSIL_BCELL_UP, GSE12845_NAIVE_VS_PRE_GC_TONSIL_BCELL_UP
                                                                                                                  GSE37301_PRO_BCELL_VS_RAG2_KO_NK_CELL_UP, GSE37301_PRO_BCELL_VS_RAG2_KO_NK_CELL_UP
                                                                                                                  GSE22886_NAIVE_CD4_TCELL_VS_DC_UP, GSE22886_NAIVE_CD4_TCELL_VS_DC_UP
                                                                                                                  GSE3982_MAC_VS_BASOPHIL_DN, GSE3982_MAC_VS_BASOPHIL_DN
                                                                                                                  GSE26928_NAIVE_VS_EFF_MEMORY_CD4_TCELL_UP, GSE26928_NAIVE_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                                                  GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_YOUNG_UP, GSE36476_CTRL_VS_TSST_ACT_16H_MEMORY_CD4_TCELL_YOUNG_UP
                                                                                                                  GSE14415_NATURAL_TREG_VS_TCONV_UP, GSE14415_NATURAL_TREG_VS_TCONV_UP
                                                                                                                   GSE22886_NAIVE_CD8_TCELL_VS_DC_UP, GSE22886_NAIVE_CD8_TCELL_VS_DC_UP
                                                                                                                  GSE22886 NAIVE CD8 TCELL VS MONOCYTE UP, GSE22886 NAIVE CD8 TCELL VS MONOCYTE UP
                                                                                                                  GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_UP, GSE24634_NAIVE_CD4_TCELL_VS_DAY3_IL4_CONV_TREG_UP
                                                                                                                  GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_6H_UP
                                                                                                                  GSE2770 IL12 AND TGFB ACT VS ACT CD4 TCELL 6H UP, GSE2770 IL12 AND TGFB ACT VS ACT CD4 TCELL 6H UP
                                                                                                                  GSE27786_CD4_VS_CD8_TCELL_UP, GSE27786_CD4_VS_CD8_TCELL_UP
                                                                                                                  GSE17301 CTRL VS 48H IFNA2 STIM CD8 TCELL DN, GSE17301 CTRL VS 48H IFNA2 STIM CD8 TCELL DN
                                                                                                                  GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN, GSE1460_CD4_THYMOCYTE_VS_NAIVE_CD4_TCELL_ADULT_BLOOD_DN
                                                                                                                  GSE3982_EOSINOPHIL_VS_MAC_UP, GSE3982_EOSINOPHIL_VS_MAC_UP
                                                                                                                  GSE360_DC_VS_MAC_M_TUBERCULOSIS_DN, GSE360_DC_VS_MAC_M_TUBERCULOSIS_DN
                                                                                                                  GSE3982_BASOPHIL_VS_TH1_UP, GSE3982_BASOPHIL_VS_TH1_UP
                                                                                                                  BROWNE_HCMV_INFECTION_18HR_UP, BROWNE_HCMV_INFECTION_18HR_UP
                                                                                                                  GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_48H_UP
                                                                                                                  GSE22886_UNSTIM_VS_STIM_MEMORY_TCELL_UP, GSE22886_UNSTIM_VS_STIM_MEMORY_TCELL_UP
                                                                                                                  GSE12845_IGD_POS_BLOOD_VS_PRE_GC_TONSIL_BCELL_UP, GSE12845_IGD_POS_BLOOD_VS_PRE_GC_TONSIL_BCELL_UP
                                                                                                                  CSR_EARLY_UP.V1_DN, CSR_EARLY_UP.V1_DN
                                                                                                                  GCACCTT_MIR18A_MIR18B, GCACCTT_MIR18A_MIR18B
                                                                                                                  GSE24574_BCL6_HIGH_VS_LOW_TFH_CD4_TCELL_UP, GSE24574_BCL6_HIGH_VS_LOW_TFH_CD4_TCELL_UP
                                                                                                                  STEARMAN_LUNG_CANCER_EARLY_VS_LATE_UP, STEARMAN_LUNG_CANCER_EARLY_VS_LATE_UP
                                                                                                                  GSE22886_DAY1_VS_DAY7_MONOCYTE_IN_CULTURE_UP, GSE22886_DAY1_VS_DAY7_MONOCYTE_IN_CULTURE_UP
                                                                                                                  GSE14415_INDUCED_VS_NATURAL_TREG_UP, GSE14415_INDUCED_VS_NATURAL_TREG_UP
                                                                                                                  GSE17580 UNINFECTED VS S MANSONI INF TEFF UP, GSE17580 UNINFECTED VS S MANSONI INF TEFF UP
                                                                                                                  GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_OLD_UP, GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_OLD_UP
                                                                                                                  GSE3982_MEMORY_CD4_TCELL_VS_TH1_UP, GSE3982_MEMORY_CD4_TCELL_VS_TH1_UP
                                                                                                                  GSE3982_MAST_CELL_VS_BASOPHIL_DN, GSE3982_MAST_CELL_VS_BASOPHIL_DN
                                                                                                                  HOEBEKE_LYMPHOID_STEM_CELL_UP, HOEBEKE_LYMPHOID_STEM_CELL_UP
                                                                                                                  GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN, GSE5542_UNTREATED_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN
                                                                                                                  GSE13547_2H_VS_12_H_ANTI_IGM_STIM_ZFX_KO_BCELL_UP, GSE13547_2H_VS_12_H_ANTI_IGM_STIM_ZFX_KO_BCELL_UP
                                                                                                                  GSE3994_WT_VS_PAC1_KO_ACTIVATED_MAST_CELL_DN, GSE3994_WT_VS_PAC1_KO_ACTIVATED_MAST_CELL_DN
                                                                                                                  GSE3982_MAC_VS_BCELL_DN, GSE3982_MAC_VS_BCELL_DN
                                                                                                                  GO_PROTEIN_ACYLATION, GO_PROTEIN_ACYLATION
                                                                                                                  GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_DN, GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_CD8A_DC_DN
                                                                                                                  JUBAN_TARGETS_OF_SPI1_AND_FLI1_UP, JUBAN_TARGETS_OF_SPI1_AND_FLI1_UP
                                                                                                                  GSE5455_EX_VIVO_VS_POST_24H_INCUBATION_MONOCYTES_FROM_TUMOR_BEARING_MOUSE_DN, GSE5455_EX_VIVO_VS_POST_24H_INCUBATION_MONOCYTES_FROM_TUMOR_BEARING_MOUSE_DN
                                                                                                                  GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_DN, GSE7764_IL15_TREATED_VS_CTRL_NK_CELL_24H_DN
                                                                                                                  GSE22886_NAIVE_CD4_TCELL_VS_MONOCYTE_UP, GSE22886_NAIVE_CD4_TCELL_VS_MONOCYTE_UP
                                                                                                                  GSE12845_NAIVE_VS_DARKZONE_GC_TONSIL_BCELL_UP, GSE12845_NAIVE_VS_DARKZONE_GC_TONSIL_BCELL_UP
                                                                                                                  GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_NK_CELL_DN, GSE39556_UNTREATED_VS_3H_POLYIC_INJ_MOUSE_NK_CELL_DN
                                                                                                                  GSE22886_NAIVE_BCELL_VS_BLOOD_PLASMA_CELL_UP, GSE22886_NAIVE_BCELL_VS_BLOOD_PLASMA_CELL_UP
                                                                                                                  GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_DN, GSE3920_UNTREATED_VS_IFNG_TREATED_FIBROBLAST_DN
                                                                                                                  GSE17721_POLYIC_VS_CPG_6H_BMDC_UP, GSE17721_POLYIC_VS_CPG_6H_BMDC_UP
                                                                                                                  PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_DN, PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_DN
                                                                                                                  GNF2_MCL1, GNF2_MCL1
                                                                                                                  GSE3982_MEMORY_CD4_TCELL_VS_TH2_UP, GSE3982_MEMORY_CD4_TCELL_VS_TH2_UP
                                                                                                                  PENG_RAPAMYCIN_RESPONSE_UP, PENG_RAPAMYCIN_RESPONSE_UP
                                                                                                                  GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_72H_TSST_ACT_DN, GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_72H_TSST_ACT_DN
                                                                                                                  GO_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY, GO_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                  GSE29618_PDC_VS_MDC_UP, GSE29618_PDC_VS_MDC_UP
                                                                                                                  GSE36826_WT_VS_IL1R_KO_SKIN_UP, GSE36826_WT_VS_IL1R_KO_SKIN_UP
                                                                                                                  GSE27786_LIN_NEG_VS_MONO_MAC_DN, GSE27786_LIN_NEG_VS_MONO_MAC_DN
                                                                                                                   GSE24972_WT_VS_IRF8_KO_MARGINAL_ZONE_SPLEEN_BCELL_UP, GSE24972_WT_VS_IRF8_KO_MARGINAL_ZONE_SPLEEN_BCELL_UP
                                                                                                                  GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_UP, GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_UP
                                                                                                                   GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_DN, GSE42021_CD24INT_VS_CD24LOW_TCONV_THYMUS_DN
                                                                                                                   GSE3691_CONVENTIONAL_VS_PLASMACYTOID_DC_SPLEEN_UP, GSE3691_CONVENTIONAL_VS_PLASMACYTOID_DC_SPLEEN_UP
                                                                                                                   GSE7460_CD8_TCELL_VS_TREG_ACT_UP, GSE7460_CD8_TCELL_VS_TREG_ACT_UP
                                                                                                                   ATAGGAA_MIR202, ATAGGAA_MIR202
                                                                                                                   GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_1H_BMDC_UP
                                                                                                                   GSE1460_DP_VS_CD4_THYMOCYTE_DN, GSE1460_DP_VS_CD4_THYMOCYTE_DN
                                                                                                                   MODULE_119, MODULE_119
                                                                                                                   GSE13547_WT_VS_ZFX_KO_BCELL_ANTI_IGM_STIM_12H_DN, GSE13547_WT_VS_ZFX_KO_BCELL_ANTI_IGM_STIM_12H_DN
                                                                                                                   GSE28237_FOLLICULAR_VS_EARLY_GC_BCELL_UP, GSE28237_FOLLICULAR_VS_EARLY_GC_BCELL_UP
                                                                                                                  GSE11057_EFF_MEM_VS_CENT_MEM_CD4_TCELL_DN, GSE11057_EFF_MEM_VS_CENT_MEM_CD4_TCELL_DN
                                                                                                                  GSE12845_IGD_POS_BLOOD_VS_DARKZONE_GC_TONSIL_BCELL_UP, GSE12845_IGD_POS_BLOOD_VS_DARKZONE_GC_TONSIL_BCELL_UP
                                                                                                                  GSE10856_CTRL_VS_TNFRSF6B_IN_MACROPHAGE_UP, GSE10856_CTRL_VS_TNFRSF6B_IN_MACROPHAGE_UP
                                                                                                                  GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH1_UP, GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH1_UP
                                                                                                                  GSE1112_HY_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTOC_CULTURE_DN, GSE1112_HY_CD8AB_VS_HY_CD8AA_THYMOCYTE_RTOC_CULTURE_DN
                                                                                                                  GSE39820_TGFBETA3_IL6_VS_TGFBETA3_IL6_IL23A_TREATED_CD4_TCELL_UP, GSE39820_TGFBETA3_IL6_VS_TGFBETA3_IL6_IL23A_TREATED_CD4_TCELL_UP
S EL4 TUMOR BALBC MONOCYTES UP, GSE21927 SPLEEN C57BL6 VS EL4 TUMOR BALBC MONOCYTES UP
                                                                                                                  HALLMARK_ESTROGEN_RESPONSE_EARLY, HALLMARK_ESTROGEN_RESPONSE_EARLY
                                                                                                                  LIU_SOX4_TARGETS_UP, LIU_SOX4_TARGETS_UP
                                                                                                                  GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_DN, GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_DN
                                                                                                                   RODRIGUES_DCC_TARGETS_DN, RODRIGUES_DCC_TARGETS_DN
                                                                                                                   GSE3039_CD4_TCELL_VS_B2_BCELL_UP, GSE3039_CD4_TCELL_VS_B2_BCELL_UP
                                                                                                                  GSE11386_NAIVE_VS_MEMORY_BCELL_DN, GSE11386_NAIVE_VS_MEMORY_BCELL_DN
                                                                                                                   GSE3982_NEUTROPHIL_VS_TH1_UP, GSE3982_NEUTROPHIL_VS_TH1_UP
                                                                                                                   GSE3982 MAST CELL VS BCELL DN, GSE3982 MAST CELL VS BCELL DN
                                                                                                                  GSE30962_ACUTE_VS_CHRONIC_LCMV_SECONDARY_INF_CD8_TCELL_UP, GSE30962_ACUTE_VS_CHRONIC_LCMV_SECONDARY_INF_CD8_TCELL_UP
                                                                                                                   LI_INDUCED_T_TO_NATURAL_KILLER_DN, LI_INDUCED_T_TO_NATURAL_KILLER_DN
                                                                                                                   TCCAGAT_MIR5165P, TCCAGAT_MIR5165P
                                                                                                                   GCATTTG_MIR105, GCATTTG_MIR105
                                                                                                                   GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_UP, GSE7460_WT_VS_FOXP3_HET_ACT_WITH_TGFB_TCONV_UP
                                                                                                                   GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_DC_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                                                  ZHU_CMV_ALL_DN, ZHU_CMV_ALL_DN
                                                                                                                  GSE41978 WT VS ID2 KO KLRG1 LOW EFFECTOR CD8 TCELL DN, GSE41978 WT VS ID2 KO KLRG1 LOW EFFECTOR CD8 TCELL DN
                                                                                                                  GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_UP, GSE2770_IL12_ACT_VS_ACT_CD4_TCELL_2H_UP
                                                                                                                  GO GOLGI TO PLASMA MEMBRANE TRANSPORT, GO GOLGI TO PLASMA MEMBRANE TRANSPORT
                                                                                                                  MODULE_456, MODULE_456
                                                                                                                  GSE27786_NEUTROPHIL_VS_MONO_MAC_UP, GSE27786_NEUTROPHIL_VS_MONO_MAC_UP
                                                                                                                  GSE36476_CTRL_VS_TSST_ACT_72H_MEMORY_CD4_TCELL_OLD_UP, GSE36476_CTRL_VS_TSST_ACT_72H_MEMORY_CD4_TCELL_OLD_UP
                                                                                                                  GO_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY, GO_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY
                                                                                                                  GSE7852_TREG_VS_TCONV_THYMUS_DN, GSE7852_TREG_VS_TCONV_THYMUS_DN
                                                                                                                  GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP, GSE15930_NAIVE_VS_48H_IN_VITRO_STIM_IFNAB_CD8_TCELL_UP
                                                                                                                  GSE25123_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN, GSE25123_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN
                                                                                                                  GSE1460_NAIVE_CD4_TCELL_CORD_BLOOD_VS_THYMIC_STROMAL_CELL_UP, GSE1460_NAIVE_CD4_TCELL_CORD_BLOOD_VS_THYMIC_STROMAL_CELL_UP
                                                                                                                  GSE3982 CENT MEMORY CD4 TCELL VS TH2 UP, GSE3982 CENT MEMORY CD4 TCELL VS TH2 UP
                                                                                                                  GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE, GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE
                                                                                                                  GSE4142_GC_BCELL_VS_MEMORY_BCELL_UP, GSE4142_GC_BCELL_VS_MEMORY_BCELL_UP
                                                                                                                  GSE20715_0H_VS_48H_OZONE_TLR4_KO_LUNG_UP, GSE20715_0H_VS_48H_OZONE_TLR4_KO_LUNG_UP
                                                                                                                  GROSS_HYPOXIA_VIA_ELK3_ONLY_DN, GROSS_HYPOXIA_VIA_ELK3_ONLY_DN
                                                                                                                  WALLACE_PROSTATE_CANCER_RACE_DN, WALLACE_PROSTATE_CANCER_RACE_DN
                                                                                                                  GO_REGULATION_OF_WOUND_HEALING, GO_REGULATION_OF_WOUND_HEALING
                                                                                                                  GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENTER_BCELL_DAY7_UP, GSE11961_MARGINAL_ZONE_BCELL_VS_GERMINAL_CENTER_BCELL_DAY7_UP
                                                                                                                  RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATELY_UP, RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATELY_UP
                                                                                                                  ODONNELL_TARGETS_OF_MYC_AND_TFRC_UP, ODONNELL_TARGETS_OF_MYC_AND_TFRC_UP
                                                                                                                  BHAT_ESR1_TARGETS_VIA_AKT1_DN, BHAT_ESR1_TARGETS_VIA_AKT1_DN
                                                                                                                  GSE21670_IL6_VS_TGFB_AND_IL6_TREATED_STAT3_KO_CD4_TCELL_DN, GSE21670_IL6_VS_TGFB_AND_IL6_TREATED_STAT3_KO_CD4_TCELL_DN
                                                                                                                  AMIT_DELAYED_EARLY_GENES, AMIT_DELAYED_EARLY_GENES
                                                                                                                  GSE22886 UNSTIM VS IL15 STIM NKCELL UP, GSE22886 UNSTIM VS IL15 STIM NKCELL UP
                                                                                                                  MCBRYAN_PUBERTAL_BREAST_5_6WK_UP, MCBRYAN_PUBERTAL_BREAST_5_6WK_UP
                                                                                                                  GSE21063_3H_VS_16H_ANTI_IGM_STIM_BCELL_UP, GSE21063_3H_VS_16H_ANTI_IGM_STIM_BCELL_UP
                                                                                                                  GSE4590 SMALL VS LARGE PRE BCELL DN, GSE4590 SMALL VS LARGE PRE BCELL DN
                                                                                                                  SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_DN, SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_DN
                                                                                                                  CAGCAGG MIR370, CAGCAGG MIR370
                                                                                                                  PID_IL6_7_PATHWAY, PID_IL6_7_PATHWAY
                                                                                                                  BROWNE_HCMV_INFECTION_6HR_DN, BROWNE_HCMV_INFECTION_6HR_DN
                                                                                                                  GSE27241_WT_CTRL_VS_DIGOXIN_TREATED_RORGT_KO_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_UP, GSE27241_WT_CTRL_VS_DIGOXIN_TREATED_RORGT_KO_CD4_TCELL_IN_TH17_POLARIZING_CONDITIONS_UP
                                                                                                                  GSE3982_EFF_MEMORY_CD4_TCELL_VS_TH2_UP, GSE3982_EFF_MEMORY_CD4_TCELL_VS_TH2_UP
                                                                                                                  GO_PROTEIN_SERINE_THREONINE_TYROSINE_KINASE_ACTIVITY, GO_PROTEIN_SERINE_THREONINE_TYROSINE_KINASE_ACTIVITY
                                                                                                                  CREBP1_01, CREBP1_01
                                                                                                                  GSE22886 NAIVE VS MEMORY TCELL UP, GSE22886 NAIVE VS MEMORY TCELL UP
                                                                                                                  GO_REGULATION_OF_CELL_SIZE, GO_REGULATION_OF_CELL_SIZE
                                                                                                                  GNF2_ITGAL, GNF2_ITGAL
                                                                                                                  GSE360 L DONOVANI VS L MAJOR MAC DN, GSE360 L DONOVANI VS L MAJOR MAC DN
                                                                                                                  GSE22886_IGA_VS_IGM_MEMORY_BCELL_DN, GSE22886_IGA_VS_IGM_MEMORY_BCELL_DN
                                                                                                                  GSE3982_EFF_MEMORY_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_EFF_MEMORY_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                                                  BROWNE_HCMV_INFECTION_12HR_DN, BROWNE_HCMV_INFECTION_12HR_DN
                                                                                                                  GSE3982_EFF_MEMORY_CD4_TCELL_VS_TH1_UP, GSE3982_EFF_MEMORY_CD4_TCELL_VS_TH1_UP
                                                                                                                  GSE3982_EOSINOPHIL_VS_MAST_CELL_UP, GSE3982_EOSINOPHIL_VS_MAST_CELL_UP
                                                                                                                  GO_GOLGI_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT, GO_GOLGI_TO_PLASMA_MEMBRANE_PROTEIN_TRANSPORT
                                                                                                                  KEGG_ACUTE_MYELOID_LEUKEMIA, KEGG_ACUTE_MYELOID_LEUKEMIA
                                                                                                                  PID_ANGIOPOIETIN_RECEPTOR_PATHWAY, PID_ANGIOPOIETIN_RECEPTOR_PATHWAY
                                                                                                                  BIOCARTA_MEF2D_PATHWAY, BIOCARTA_MEF2D_PATHWAY
                                                                                                                  GSE13547 CTRL VS ANTI IGM STIM BCELL 2H DN, GSE13547 CTRL VS ANTI IGM STIM BCELL 2H DN
                                                                                                                  GYORFFY_MITOXANTRONE_RESISTANCE, GYORFFY_MITOXANTRONE_RESISTANCE
                                                                                                                  ZHU_CMV_8_HR_DN, ZHU_CMV_8_HR_DN
                                                                                                                  GNF2_CD97, GNF2_CD97
                                                                                                                  GSE32901_NAIVE_VS_TH17_ENRICHED_CD4_TCELL_UP, GSE32901_NAIVE_VS_TH17_ENRICHED_CD4_TCELL_UP
                                                                                                                  FRIDMAN_SENESCENCE_UP, FRIDMAN_SENESCENCE_UP
                                                                                                                  CHENG_IMPRINTED_BY_ESTRADIOL, CHENG_IMPRINTED_BY_ESTRADIOL
                                                                                                                  DELPUECH_FOXO3_TARGETS_UP, DELPUECH_FOXO3_TARGETS_UP
                                                                                                                  GO_PEPTIDYL_LYSINE_TRIMETHYLATION, GO_PEPTIDYL_LYSINE_TRIMETHYLATION
                                                                                                                  ATGCTGG_MIR338, ATGCTGG_MIR338
                                                                                                                  KOBAYASHI_EGFR_SIGNALING_24HR_UP, KOBAYASHI_EGFR_SIGNALING_24HR_UP
                                                                                                                  LIU_TARGETS_OF_VMYB_VS_CMYB_DN, LIU_TARGETS_OF_VMYB_VS_CMYB_DN
                                                                                                                  GO_TRANSCRIPTIONAL_REPRESSOR_ACTIVITY_RNA_POLYMERASE_II_TRANSCRIPTION_REGULATORY_REGION_SEQUENCE_SPECIFIC_BINDING, GO_TRANSCRIPTIONAL_REPRESSOR_ACTIVITY_RNA_POLYMERASE_II_TRANSCRIPTION_REGULATORY_REGION_
                                                                                                                  SA_PTEN_PATHWAY, SA_PTEN_PATHWAY
                                                                                                                  GO_REGULATION_OF_COAGULATION, GO_REGULATION_OF_COAGULATION
                                                                                                                  GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_BCELL_VS_CENT_MEMORY_CD4_TCELL_DN
                                                                                                                  GSE17721_LPS_VS_GARDIQUIMOD_2H_BMDC_UP, GSE17721_LPS_VS_GARDIQUIMOD_2H_BMDC_UP
                                                                                                                  KEGG_VEGF_SIGNALING_PATHWAY, KEGG_VEGF_SIGNALING_PATHWAY
                                                                                                                  KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY, KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY
                                                                                                                  LEE_NEURAL_CREST_STEM_CELL_DN, LEE_NEURAL_CREST_STEM_CELL_DN
                                                                                                                  CCAATNNSNNNGCG_UNKNOWN, CCAATNNSNNNGCG_UNKNOWN
                                                                                                                  CHEBOTAEV_GR_TARGETS_DN, CHEBOTAEV_GR_TARGETS_DN
                                                                                                                  GNF2_SELL, GNF2_SELL
                                                                                                                  RAAGNYNNCTTY_UNKNOWN, RAAGNYNNCTTY_UNKNOWN
                                                                                                                  GSE3982_NKCELL_VS_TH2_UP, GSE3982_NKCELL_VS_TH2_UP
                                                                                                                   GO_HISTONE_DEUBIQUITINATION, GO_HISTONE_DEUBIQUITINATION
                                                                                                                  DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_UP, DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_UP
                                                                                                                  PID_BCR_5PATHWAY, PID_BCR_5PATHWAY
                                                                                                                  TGCAAAC_MIR452, TGCAAAC_MIR452
                                                                                                                  FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_DN, FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_DN
                                                                                                                  GSE3982_MAST_CELL_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_MAST_CELL_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                                                  GNF2 PTPN6, GNF2 PTPN6
                                                                                                                  PID_ARF6_TRAFFICKING_PATHWAY, PID_ARF6_TRAFFICKING_PATHWAY
                                                                                                                  RAGHAVACHARI_PLATELET_SPECIFIC_GENES, RAGHAVACHARI_PLATELET_SPECIFIC_GENES
                                                                                                                  MODULE 188, MODULE 188
                                                                                                                  WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_DN, WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_DN
                                                                                                                  GNF2_ICAM3, GNF2_ICAM3
                                                                                                                  TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_DN, TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_DN
                                                                                                                  PID_ECADHERIN_NASCENT_AJ_PATHWAY, PID_ECADHERIN_NASCENT_AJ_PATHWAY
                                                                                                                  PETRETTO_CARDIAC_HYPERTROPHY, PETRETTO_CARDIAC_HYPERTROPHY
                                                                                                                  CCACACA_MIR147, CCACACA_MIR147
                                                                                                                  GO_TRANSMISSION_OF_NERVE_IMPULSE, GO_TRANSMISSION_OF_NERVE_IMPULSE
                                                                                                                   GSE22025_UNTREATED_VS_PROGESTERONE_TREATED_CD4_TCELL_UP, GSE22025_UNTREATED_VS_PROGESTERONE_TREATED_CD4_TCELL_UP
                                                                                                                  VALK_AML_CLUSTER_4, VALK_AML_CLUSTER_4
                                                                                                                  VETTER_TARGETS_OF_PRKCA_AND_ETS1_UP, VETTER_TARGETS_OF_PRKCA_AND_ETS1_UP
                                                                                                                   KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_UV_IN_OLD, KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_UV_IN_OLD
                                                                                                                  GO_POSITIVE_REGULATION_OF_HISTONE_H3_K4_METHYLATION, GO_POSITIVE_REGULATION_OF_HISTONE_H3_K4_METHYLATION
                                                                                                                  SHIPP_DLBCL_VS_FOLLICULAR_LYMPHOMA_DN, SHIPP_DLBCL_VS_FOLLICULAR_LYMPHOMA_DN
                                                                                                                  GO_REGULATION_OF_RESPONSE_TO_INTERFERON_GAMMA, GO_REGULATION_OF_RESPONSE_TO_INTERFERON_GAMMA
                                                                                                                  REACTOME GAB1_SIGNALOSOME, REACTOME_GAB1_SIGNALOSOME
                                                                                                                  INGRAM_SHH_TARGETS_UP, INGRAM_SHH_TARGETS_UP
                                                                                                                  ROZANOV_MMP14_TARGETS_DN, ROZANOV_MMP14_TARGETS_DN
                                                                                                                  MAGRANGEAS_MULTIPLE_MYELOMA_IGLL_VS_IGLK_DN, MAGRANGEAS_MULTIPLE_MYELOMA_IGLL_VS_IGLK_DN
                                                                                                                  GO_HISTONE_H3_K4_TRIMETHYLATION, GO_HISTONE_H3_K4_TRIMETHYLATION
                                                                                                                  CTCAAGA_MIR526B, CTCAAGA_MIR526B
                                                                                                                  KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY, KEGG_FC_EPSILON_RI_SIGNALING_PATHWAY
                                                                                                                  MORF_PPP2R5B, MORF_PPP2R5B
                                                                                                                  GRAHAM_CML_QUIESCENT_VS_NORMAL_DIVIDING_UP, GRAHAM_CML_QUIESCENT_VS_NORMAL_DIVIDING_UP
                                                                                                                  KEGG_LEISHMANIA_INFECTION, KEGG_LEISHMANIA_INFECTION
                                                                                                                  BIOCARTA_EDG1_PATHWAY, BIOCARTA_EDG1_PATHWAY
                                                                                                                  GO_AUDITORY_RECEPTOR_CELL_DEVELOPMENT, GO_AUDITORY_RECEPTOR_CELL_DEVELOPMENT
                                                                                                                  WOOD_EBV_EBNA1_TARGETS_DN, WOOD_EBV_EBNA1_TARGETS_DN
                                                                                                                  GSE26928_EFF_MEM_VS_CENTR_MEM_CD4_TCELL_DN, GSE26928_EFF_MEM_VS_CENTR_MEM_CD4_TCELL_DN
                                                                                                                  GSE22886_NAIVE_CD4_TCELL_VS_MEMORY_TCELL_UP, GSE22886_NAIVE_CD4_TCELL_VS_MEMORY_TCELL_UP
                                                                                                                  GO_MICROTUBULE_BUNDLE_FORMATION, GO_MICROTUBULE_BUNDLE_FORMATION
                                                                                                                  GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_16H_TSST_ACT_DN, GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_16H_TSST_ACT_DN
                                                                                                                  GO_EMBRYONIC_PLACENTA_MORPHOGENESIS, GO_EMBRYONIC_PLACENTA_MORPHOGENESIS
                                                                                                                  NAKAYAMA_FRA2_TARGETS, NAKAYAMA_FRA2_TARGETS
                                                                                                                  GO_RIBONUCLEOSIDE_CATABOLIC_PROCESS, GO_RIBONUCLEOSIDE_CATABOLIC_PROCESS
                                                                                                                  GSE45837_WT_VS_GFI1_KO_PDC_UP, GSE45837_WT_VS_GFI1_KO_PDC_UP
                                                                                                                  GNF2_CASP4, GNF2_CASP4
                                                                                                                  HOFMANN_MYELODYSPLASTIC_SYNDROM_HIGH_RISK_DN, HOFMANN_MYELODYSPLASTIC_SYNDROM_HIGH_RISK_DN
                                                                                                                  PID_AVB3_OPN_PATHWAY, PID_AVB3_OPN_PATHWAY
                                                                                                                  GO_AUDITORY_RECEPTOR_CELL_DIFFERENTIATION, GO_AUDITORY_RECEPTOR_CELL_DIFFERENTIATION
                                                                                                                  GO_NEUTROPHIL_MEDIATED_IMMUNITY, GO_NEUTROPHIL_MEDIATED_IMMUNITY
                                                                                                                  GO_HAIR_CELL_DIFFERENTIATION, GO_HAIR_CELL_DIFFERENTIATION
                                                                                                                  GARCIA_TARGETS_OF_FLI1_AND_DAX1_UP, GARCIA_TARGETS_OF_FLI1_AND_DAX1_UP
                                                                                                                  GO_BONE_DEVELOPMENT, GO_BONE_DEVELOPMENT
                                                                                                                  GO_PROTEOGLYCAN_BINDING, GO_PROTEOGLYCAN_BINDING
                                                                                                                  FREAC7_01, FREAC7_01
                                                                                                                  GO_PEROXISOME_PROLIFERATOR_ACTIVATED_RECEPTOR_BINDING, GO_PEROXISOME_PROLIFERATOR_ACTIVATED_RECEPTOR_BINDING
                                                                                                                  PID_TCPTP_PATHWAY, PID_TCPTP_PATHWAY
                                                                                                                  MORF_PTEN, MORF_PTEN
                                                                                                                   GO_NEGATIVE_REGULATION_OF_WOUND_HEALING, GO_NEGATIVE_REGULATION_OF_WOUND_HEALING
                                                                                                                  YOSHIOKA_LIVER_CANCER_EARLY_RECURRENCE_DN, YOSHIOKA_LIVER_CANCER_EARLY_RECURRENCE_DN
                                                                                                                   GO_PURINE_NUCLEOSIDE_CATABOLIC_PROCESS, GO_PURINE_NUCLEOSIDE_CATABOLIC_PROCESS
                                                                                                                  GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN, GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN
                                                                                                                  GRAHAM CML DIVIDING VS NORMAL QUIESCENT DN, GRAHAM CML DIVIDING VS NORMAL QUIESCENT DN
                                                                                                                  GO_REGULATION_OF_PEPTIDYL_THREONINE_PHOSPHORYLATION, GO_REGULATION_OF_PEPTIDYL_THREONINE_PHOSPHORYLATION
                                                                                                                  GSE360_L_MAJOR_VS_T_GONDII_MAC_UP, GSE360_L_MAJOR_VS_T_GONDII_MAC_UP
                                                                                                                  HAHTOLA SEZARY SYNDROM DN, HAHTOLA SEZARY SYNDROM DN
                                                                                                                  REACTOME_PI3K_AKT_ACTIVATION, REACTOME_PI3K_AKT_ACTIVATION
                                                                                                                  chr17q11, chr17q11
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GSE21927_C26GM_VS_4T1_TUMOR_MONOCYTE_BALBC_DN, GSE21927_C26GM_VS_4T1_TUMOR_MONOCYTE_BALBC_DN

GSE15215_CD2_POS_VS_NEG_PDC_DN, GSE15215_CD2_POS_VS_NEG_PDC_DN