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GSE41867 DAY8 EFFECTOR VS DAY30 MEMORY CD8 TCELL LCMV ARMSTRONG UP, GSE41867 DAY8 EFFECTOR VS DAY30 MEMORY CD8 TCELL LCMV ARMSTRONG UP
   GSE24671_BAKIMULC_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_DN, GSE24671_BAKIMULC_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_DN
   GSE2770 UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN, GSE2770 UNTREATED_VS_IL4_TREATED_ACT_CD4_TCELL_2H_DN
   GSE17974_0H_VS_48H_IN_VITRO_ACT_CD4_TCELL_DN, GSE17974_0H_VS_48H_IN_VITRO_ACT_CD4_TCELL_DN
   GSE5542_IFNG_VS_IFNA_TREATED_EPITHELIAL_CELLS_6H_UP, GSE5542_IFNG_VS_IFNA_TREATED_EPITHELIAL_CELLS_6H_UP
   GSE15330 WT_VS_IKAROS_KO_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP, GSE15330_WT_VS_IKAROS_KO_MEGAKARYOCYTE_ERYTHROID_PROGENITOR_UP
   GSE40666_UNTREATED_VS_IFNA_STIM_EFFECTOR_CD8_TCELL_90MIN_DN, GSE40666_UNTREATED_VS_IFNA_STIM_EFFECTOR_CD8_TCELL_90MIN_DN
   GSE40274_CTRL_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
   GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_UP, GSE9509_10MIN_VS_30MIN_LPS_AND_IL10_STIM_IL10_KO_MACROPHAGE_UP
   GSE360_L_MAJOR_VS_B_MALAYI_LOW_DOSE_MAC_DN, GSE360_L_MAJOR_VS_B_MALAYI_LOW_DOSE_MAC_DN
   GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN, GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_DN
   GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
  GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN
  GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_DC_DN, GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_DC_DN
  GSE8621_LPS_PRIMED_UNSTIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN, GSE8621_LPS_PRIMED_UNSTIM_VS_LPS_PRIMED_AND_LPS_STIM_MACROPHAGE_DN
  GSE3982_EOSINOPHIL_VS_NKCELL_DN, GSE3982_EOSINOPHIL_VS_NKCELL_DN
  GSE9239_CTRL_VS_TNF_INHIBITOR_TREATED_DC_DN, GSE9239_CTRL_VS_TNF_INHIBITOR_TREATED_DC_DN
   GSE13485_DAY1_VS_DAY3_YF17D_VACCINE_PBMC_DN, GSE13485_DAY1_VS_DAY3_YF17D_VACCINE_PBMC_DN
   GSE17721_CPG_VS_GARDIQUIMOD_2H_BMDC_DN, GSE17721_CPG_VS_GARDIQUIMOD_2H_BMDC_DN
   GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_UP, GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_UP
   GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_PBMC_UP, GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_PBMC_UP
  GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_6H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_6H_DN
  GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN, GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN
   GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP
  GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_DN, GSE17721_POLYIC_VS_GARDIQUIMOD_0.5H_BMDC_DN
  GSE1460 DP_VS_CD4_THYMOCYTE_UP, GSE1460_DP_VS_CD4_THYMOCYTE_UP
   GSE36078 UNTREATED VS AD5 INF MOUSE LUNG DC DN, GSE36078 UNTREATED VS AD5 INF MOUSE LUNG DC DN
   GSE19198_1H_VS_6H_IL21_TREATED_TCELL_DN, GSE19198_1H_VS_6H_IL21_TREATED_TCELL_DN
   GSE5503_MLN_DC_VS_PLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP, GSE5503_MLN_DC_VS_PLN_DC_ACTIVATED_ALLOGENIC_TCELL_UP
  ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_3DY_UP, ZAK_PBMC_MRKAD5_HIV_1_GAG_POL_NEF_AGE_20_50YO_3DY_UP
   GSE17721_4_VS_24H_CPG_BMDC_DN, GSE17721_4_VS_24H_CPG_BMDC_DN
   GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN, GSE35685_CD34POS_CD38NEG_VS_CD34POS_CD10POS_BONE_MARROW_DN
   GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_UP, GSE15330_WT_VS_IKAROS_KO_GRANULOCYTE_MONOCYTE_PROGENITOR_UP
   GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
   GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
   GSE4984_GALECTIN1_VS_LPS_STIM_DC_DN, GSE4984_GALECTIN1_VS_LPS_STIM_DC_DN
   GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_UP, GSE22140_GERMFREE_VS_SPF_MOUSE_CD4_TCELL_UP
   GSE37534_UNTREATED_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN, GSE37534_UNTREATED_VS_ROSIGLITAZONE_TREATED_CD4_TCELL_PPARG1_AND_FOXP3_TRASDUCED_DN
   GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN, GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN
   ERWIN_COHEN_BLOOD_TC_83_AGE_23_48YO_VACCINATED_VS_CONTROL_2DY_UP, ERWIN_COHEN_BLOOD_TC_83_AGE_23_48YO_VACCINATED_VS_CONTROL_2DY_UP
   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
   GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN, GSE1432_1H_VS_6H_IFNG_MICROGLIA_DN
   GSE17721_LPS_VS_CPG_0.5H_BMDC_UP, GSE17721_LPS_VS_CPG_0.5H_BMDC_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
   GSE11864 CSF1 VS CSF1 IFNG IN MAC DN. GSE11864 CSF1 VS CSF1 IFNG IN MAC DN
   GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN, GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN
   GSE30962_ACUTE_VS_CHRONIC_LCMV_SECONDARY_INF_CD8_TCELL_DN, GSE30962_ACUTE_VS_CHRONIC_LCMV_SECONDARY_INF_CD8_TCELL_DN
   ERWIN COHEN BLOOD VACCINE TC 83 AGE 23 48YO VACCINATED VS CONTROL 7DY UP, ERWIN COHEN BLOOD VACCINE TC 83 AGE 23 48YO VACCINATED VS CONTROL 7DY UP
   GSE11864 CSF1 VS CSF1 IFNG PAM3CYS IN MAC DN, GSE11864 CSF1 VS CSF1 IFNG PAM3CYS IN MAC DN
   GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP, GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP
   GSE6269_FLU_VS_E_COLI_INF_PBMC_UP, GSE6269_FLU_VS_E_COLI_INF_PBMC_UP
   GSE17721_LPS_VS_PAM3CSK4_24H_BMDC_DN, GSE17721_LPS_VS_PAM3CSK4_24H_BMDC_DN
   GSE9960 HEALTHY VS GRAM POS SEPSIS PBMC DN, GSE9960 HEALTHY VS GRAM POS SEPSIS PBMC DN
   GSE42021_CD24HI_VS_CD24LOW_TREG_THYMUS_DN, GSE42021_CD24HI_VS_CD24LOW_TREG_THYMUS_DN
   GSE19401 PLN VS PEYERS PATCH FOLLICULAR DC DN, GSE19401 PLN VS PEYERS PATCH FOLLICULAR DC DN
   GSE1432 CTRL VS_IFNG_24H_MICROGLIA_DN, GSE1432 CTRL_VS_IFNG_24H_MICROGLIA_DN
   GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MONOCYTES_DN, GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MONOCYTES_DN
   GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_UP, GSE360_DC_VS_MAC_B_MALAYI_LOW_DOSE_UP
   GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_8H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_8H_DN
  GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN, GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN
   GSE14000_UNSTIM_VS_16H_LPS_DC_TRANSLATED_RNA_DN, GSE14000_UNSTIM_VS_16H_LPS_DC_TRANSLATED_RNA_DN
  GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_UP
  GSE25088_WT_VS_STAT6_KO_MACROPHAGE_UP, GSE25088_WT_VS_STAT6_KO_MACROPHAGE_UP
  GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_DN, GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_DN
  GSE3982_DC_VS_MAC_LPS_STIM_UP, GSE3982_DC_VS_MAC_LPS_STIM_UP
  GSE16755_CTRL_VS_IFNA_TREATED_MAC_DN, GSE16755_CTRL_VS_IFNA_TREATED_MAC_DN
  GSE25677_R848_VS_MPL_AND_R848_STIM_BCELL_DN, GSE25677_R848_VS_MPL_AND_R848_STIM_BCELL_DN
  GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN, GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN
  GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP, GSE40685_TREG_VS_FOXP3_KO_TREG_PRECURSOR_UP
   GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN, GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN
   GSE32423_IL7_VS_IL7_IL4_MEMORY_CD8_TCELL_UP, GSE32423_IL7_VS_IL7_IL4_MEMORY_CD8_TCELL_UP
   GSE22886_NAIVE_VS_MEMORY_TCELL_DN, GSE22886_NAIVE_VS_MEMORY_TCELL_DN
   GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_6H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_6H_DN
   GSE11864_UNTREATED_VS_CSF1_IN_MAC_UP, GSE11864_UNTREATED_VS_CSF1_IN_MAC_UP
   GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN
   SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_7DY_DN, SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_7DY_DN
   GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_4H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_4H_DN
   GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN, GSE10325_CD4_TCELL_VS_LUPUS_CD4_TCELL_DN
   GSE17721_CTRL_VS_CPG_24H_BMDC_DN, GSE17721_CTRL_VS_CPG_24H_BMDC_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
   GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP
   GSE21546 ELK1 KO_VS_SAP1A KO_AND_ELK1 KO_DP_THYMOCYTES_UP, GSE21546 ELK1 KO_VS_SAP1A KO_AND_ELK1 KO_DP_THYMOCYTES_UP
   GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_UP, GSE21546_WT_VS_SAP1A_KO_DP_THYMOCYTES_UP
   NAKAYA_PBMC_FLUMIST_AGE_18_50YO_3DY_IFN_SUBSET_UP, NAKAYA_PBMC_FLUMIST_AGE_18_50YO_3DY_IFN_SUBSET_UP
   GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_DN, GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_DN
  GSE1432_1H_VS_24H_IFNG_MICROGLIA_DN, GSE1432_1H_VS_24H_IFNG_MICROGLIA_DN
GSE21033_CTRL_VS_POLYIC_STIM_DC_12H_DN, GSE21033_CTRL_VS_POLYIC_STIM_DC_12H_DN
  QUEREC_PBMC_YF_17D_VACCINE_AGE_18_45YO_3DY_UP, QUEREC_PBMC_YF_17D_VACCINE_AGE_18_45YO_3DY_UP
   QUEREC_PBMC_YF_17D_VACCINE_AGE_18_45YO_7DY_UP, QUEREC_PBMC_YF_17D_VACCINE_AGE_18_45YO_7DY_UP
   GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN, GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN
  GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_UP, GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_MAC_UP
   HOWARD_NEUTROPHIL_INACT_MONOV_INFLUENZA_A_INDONESIA_05_2005_H5N1_AGE_18_49YO_3DY_UP, HOWARD_NEUTROPHIL_INACT_MONOV_INFLUENZA_A_INDONESIA_05_2005_H5N1_AGE_18_49YO_3DY_UP
   GSE36527_CD62L_HIGH_VS_CD62L_LOW_TREG_CD69_NEG_KLRG1_NEG_UP, GSE36527_CD62L_HIGH_VS_CD62L_LOW_TREG_CD69_NEG_KLRG1_NEG_UP
   GSE14350_IL2RB_KO_VS_WT_TREG_UP, GSE14350_IL2RB_KO_VS_WT_TREG_UP
   GSE16522_MEMORY_VS_NAIVE_ANTI_CD3CD28_STIM_CD8_TCELL_DN, GSE16522_MEMORY_VS_NAIVE_ANTI_CD3CD28_STIM_CD8_TCELL_DN
   GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_DN, GSE11864_CSF1_VS_CSF1_PAM3CYS_IN_MAC_DN
   GSE7509_UNSTIM_VS_IFNA_STIM_IMMATURE_DC_UP, GSE7509_UNSTIM_VS_IFNA_STIM_IMMATURE_DC_UP
   GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_UP, GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_UP
   GSE8515_CTRL_VS_IL6_4H_STIM_MAC_UP, GSE8515_CTRL_VS_IL6_4H_STIM_MAC_UP
   GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IL12_48H_CD8_T_CELL_DN
   GSE12839_CTRL_VS_IL12_TREATED_PBMC_UP, GSE12839_CTRL_VS_IL12_TREATED_PBMC_UP
   GSE16385_MONOCYTE_VS_12H_ROSIGLITAZONE_IFNG_TNF_TREATED_MACROPHAGE_UP, GSE16385_MONOCYTE_VS_12H_ROSIGLITAZONE_IFNG_TNF_TREATED_MACROPHAGE_UP
   GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_DN, GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_DN
   GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP, GSE19888_ADENOSINE_A3R_INH_VS_TCELL_MEMBRANES_ACT_MAST_CELL_UP
   GSE25088_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN, GSE25088_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_DAY10_DN
   GSE34006_WT_VS_A2AR_KO_TREG_DN, GSE34006_WT_VS_A2AR_KO_TREG_DN
   GSE339_CD4POS_VS_CD8POS_DC_IN_CULTURE_UP, GSE339_CD4POS_VS_CD8POS_DC_IN_CULTURE_UP
   GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_20H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_20H_UP
  GSE9960 GRAM NEG VS GRAM NEG AND POS SEPSIS PBMC UP, GSE9960 GRAM NEG VS GRAM NEG AND POS SEPSIS PBMC UP
  GSE37534_GW1929_VS_PIOGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_UP, GSE37534_GW1929_VS_PIOGLITAZONE_TREATED_CD4_TCELL_PPARG1_FOXP3_TRANSDUCED_UP
  GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_MAST_CELL_DN, GSE19888_ADENOSINE_A3R_ACT_VS_TCELL_MEMBRANES_ACT_AND_A3R_INH_PRETREAT_IN_MAST_CELL_DN
  GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DN, GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DN
  GSE1925_CTRL_VS_24H_IFNG_STIM_MACROPHAGE_UP, GSE1925_CTRL_VS_24H_IFNG_STIM_MACROPHAGE_UP
  GSE19888_CTRL_VS_TCELL_MEMBRANES_ACT_MAST_CELL_PRETREAT_A3R_INH_DN, GSE19888_CTRL_VS_TCELL_MEMBRANES_ACT_MAST_CELL_PRETREAT_A3R_INH_DN
   GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP, GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP
   GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_1H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_1H_UP
   GSE10325_MYELOID_VS_LUPUS_MYELOID_UP, GSE10325_MYELOID_VS_LUPUS_MYELOID_UP
   GSE7831_1H_VS_4H_INFLUENZA_STIM_PDC_DN, GSE7831_1H_VS_4H_INFLUENZA_STIM_PDC_DN
   GSE12198_NK_VS_NK_ACT_EXPANSION_SYSTEM_DERIVED_NK_CELL_UP, GSE12198_NK_VS_NK_ACT_EXPANSION_SYSTEM_DERIVED_NK_CELL_UP
   GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_AND_ROSIGLITAZONE_STIM_UP, GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_AND_ROSIGLITAZONE_STIM_UP
   GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8_TCELL_IFNAR_KO_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_CD8_TCELL_IFNAR_KO_DN
   GSE18148_CBFB_KO_VS_WT_TREG_DN, GSE18148_CBFB_KO_VS_WT_TREG_DN
   GSE9960_GRAM_NEG_VS_GRAM_POS_SEPSIS_PBMC_UP, GSE9960_GRAM_NEG_VS_GRAM_POS_SEPSIS_PBMC_UP
   GSE17721_CTRL_VS_LPS_4H_BMDC_DN, GSE17721_CTRL_VS_LPS_4H_BMDC_DN
   GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_DN, GSE7460_TREG_VS_TCONV_ACT_WITH_TGFB_DN
   GSE18281_MEDULLARY_THYMOCYTE_VS_WHOLE_MEDULLA_THYMUS_DN, GSE18281_MEDULLARY_THYMOCYTE_VS_WHOLE_MEDULLA_THYMUS_DN
   GSE7568_CTRL_VS_24H_TGFB_TREATED_MACROPHAGES_WITH_IL4_AND_DEXAMETHASONE_DN, GSE7568_CTRL_VS_24H_TGFB_TREATED_MACROPHAGES_WITH_IL4_AND_DEXAMETHASONE_DN
   GSE17721_CPG_VS_GARDIQUIMOD_0.5H_BMDC_UP, GSE17721_CPG_VS_GARDIQUIMOD_0.5H_BMDC_UP
   GSE14026_TH1_VS_TH17_DN, GSE14026_TH1_VS_TH17_DN
   GSE17721_CTRL_VS_LPS_1H_BMDC_DN, GSE17721_CTRL_VS_LPS_1H_BMDC_DN
   GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_DN, GSE37301_MULTIPOTENT_PROGENITOR_VS_GRAN_MONO_PROGENITOR_DN
   GSE24574_BCL6_HIGH_TFH_VS_NAIVE_CD4_TCELL_UP, GSE24574_BCL6_HIGH_TFH_VS_NAIVE_CD4_TCELL_UP
   GSE15930_STIM_VS_STIM_AND_IFNAB_24H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IFNAB_24H_CD8_T_CELL_DN
   GSE33162_HDAC3_KO_VS_HDAC3_KO_MACROPHAGE_UP, GSE33162_HDAC3_KO_VS_HDAC3_KO_MACROPHAGE_UP
   GSE6259_33D1_POS_DC_VS_BCELL_UP, GSE6259_33D1_POS_DC_VS_BCELL_UP
   GSE21063_3H_VS_16H_ANTI_IGM_STIM_BCELL_UP, GSE21063_3H_VS_16H_ANTI_IGM_STIM_BCELL_UP
   GSE34217_MIR17_92_OVEREXPRESS_VS_WT_ACT_CD8_TCELL_DN, GSE34217_MIR17_92_OVEREXPRESS_VS_WT_ACT_CD8_TCELL_DN
   GSE10239 MEMORY_VS_KLRG1HIGH_EFF_CD8_TCELL_UP, GSE10239 MEMORY_VS_KLRG1HIGH_EFF_CD8_TCELL_UP
   GSE43955_1H_VS_60H_ACT_CD4_TCELL_UP, GSE43955_1H_VS_60H_ACT_CD4_TCELL_UP
   GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_DN, GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_DN
   GSE17721_LPS_VS_POLYIC_2H_BMDC_UP, GSE17721_LPS_VS_POLYIC_2H_BMDC_UP
   RECHTIEN_PBMC_RVSV_ZEBOV_AGE_18_55YO_1DY_UP, RECHTIEN_PBMC_RVSV_ZEBOV_AGE_18_55YO_1DY_UP
   GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_DN, GSE44649_WT_VS_MIR155_KO_ACTIVATED_CD8_TCELL_DN
  GSE3982_DC_VS_BCELL_DN, GSE3982_DC_VS_BCELL_DN
   GSE22527_ANTI_CD3_INVIVO_VS_UNTREATED_MOUSE_TREG_UP, GSE22527_ANTI_CD3_INVIVO_VS_UNTREATED_MOUSE_TREG_UP
   GSE17721_0.5H_VS_8H_LPS_BMDC_DN, GSE17721_0.5H_VS_8H_LPS_BMDC_DN
   CAO_BLOOD_FLUZONE_AGE_05_14YO_7DY_UP, CAO_BLOOD_FLUZONE_AGE_05_14YO_7DY_UP
  GSE21546_WT_VS_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP, GSE21546_WT_VS_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP
  GSE12003_4D_VS_8D_CULTURE_BM_PROGENITOR_DN, GSE12003_4D_VS_8D_CULTURE_BM_PROGENITOR_DN
  GSE19401_PAM2CSK4_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_DN, GSE19401_PAM2CSK4_VS_RETINOIC_ACID_STIM_FOLLICULAR_DC_DN
  KAZMIN_PBMC_P_FALCIPARUM_RTSS_AS01_UNKN_AGE_IMM_WITH_ARR_VS_IMM_BY_RRR_PRIMARY_IMMUNIZ_WITH_RECOMB_ADENOVIRUS_35_1DY_UP, KAZMIN_PBMC_P_FALCIPARUM_RTSS_AS01_UNKN_AGE_IMM_WITH_ARR_VS_IMM_BY_RRR_PRIMARY_IMMUNIZ_
  GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_DN, GSE33292_DN3_THYMOCYTE_VS_TCF1_KO_TCELL_LYMPHOMA_DN
  HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_DN, HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_DN
   GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_ROSIGLITAZONE_TREATED_UP, GSE16385_IFNG_TNF_VS_IL4_STIM_MACROPHAGE_ROSIGLITAZONE_TREATED_UP
  GSE17721_LPS_VS_GARDIQUIMOD_16H_BMDC_UP, GSE17721_LPS_VS_GARDIQUIMOD_16H_BMDC_UP
  COLE_BLOOD_FLUMIST_QUADRIVALENT_AGE_03_17YO_7DY_UP, COLE_BLOOD_FLUMIST_QUADRIVALENT_AGE_03_17YO_7DY_UP
  FOURATI_BLOOD_TWINRIX_AGE_65_81YO_RESPONDERS_VS_POOR_RESPONDERS_TRAINING_SET_0DY_NETWORK_INFERENCE_DN, FOURATI_BLOOD_TWINRIX_AGE_65_81YO_RESPONDERS_VS_POOR_RESPONDERS_TRAINING_SET_0DY_NETWORK_INFERENCE_DN
   CAO_BLOOD_FLUZONE_AGE_05_14YO_CORRELATED_WITH_H3N1_HI_TITER_1DY_POSITIVE, CAO_BLOOD_FLUZONE_AGE_05_14YO_CORRELATED_WITH_H3N1_HI_TITER_1DY_POSITIVE
  GSE41978_WT_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP, GSE41978_WT_VS_BIM_KO_KLRG1_LOW_EFFECTOR_CD8_TCELL_UP
  GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_UP, GSE21360_PRIMARY_VS_SECONDARY_MEMORY_CD8_TCELL_UP
  GSE10422_WT_VS_BAFF_TRANSGENIC_LN_BCELL_DN, GSE10422_WT_VS_BAFF_TRANSGENIC_LN_BCELL_DN
  GSE13411_NAIVE_BCELL_VS_PLASMA_CELL_DN, GSE13411_NAIVE_BCELL_VS_PLASMA_CELL_DN
   GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
   GSE10147_IL3_VS_IL3_AND_HIVP17_STIM_PDC_DN, GSE10147_IL3_VS_IL3_AND_HIVP17_STIM_PDC_DN
  GSE13522_CTRL_VS_T_CRUZI_G_STRAIN_INF_SKIN_DN, GSE13522_CTRL_VS_T_CRUZI_G_STRAIN_INF_SKIN_DN
  GSE20366_TREG_VS_NAIVE_CD4_TCELL_DEC205_CONVERSION_DN, GSE20366_TREG_VS_NAIVE_CD4_TCELL_DEC205_CONVERSION_DN
   GSE13411 IGM MEMORY BCELL VS PLASMA CELL DN, GSE13411 IGM MEMORY BCELL VS PLASMA CELL DN
   GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_UP, GSE34205_RSV_VS_FLU_INF_INFANT_PBMC_UP
   GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIBITED_MACROPHAGE_UP, GSE32164_RESTING_DIFFERENTIATED_VS_CMYC_INHIBITED_MACROPHAGE_UP
   GSE37605_NOD_VS_C57BL6_IRES_GFP_TREG_DN, GSE37605_NOD_VS_C57BL6_IRES_GFP_TREG_DN
   GSE17721_CTRL_VS_CPG_0.5H_BMDC_DN, GSE17721_CTRL_VS_CPG_0.5H_BMDC_DN
   GSE32423_CTRL_VS_IL7_MEMORY_CD8_TCELL_DN, GSE32423_CTRL_VS_IL7_MEMORY_CD8_TCELL_DN
   GSE10325_BCELL_VS_LUPUS_BCELL_UP, GSE10325_BCELL_VS_LUPUS_BCELL_UP
   GSE1566 WT VS EZH2 KO LN TCELL DN, GSE1566 WT VS EZH2 KO LN TCELL DN
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GCSF TREATED BONE MARROW DN. GSE21927 GMCSF IL6 VS GMCSF GCSF TREATED BONE MARROW DN