```
GSE21360_SECONDARY_VS_TERTIARY_MEMORY_CD8_TCELL_UP, GSE21360_SECONDARY_VS_TERTIARY_MEMORY_CD8_TCELL_UP
                                                                                                                           GSE21927 BALBC VS C57BL6 MONOCYTE TUMOR UP, GSE21927 BALBC VS C57BL6 MONOCYTE TUMOR UP
                                                                                                                           GSE22886_UNSTIM_VS_STIM_MEMORY_TCELL_DN, GSE22886_UNSTIM_VS_STIM_MEMORY_TCELL_DN
                                                                                                                           GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_DN, GSE43863_NAIVE_VS_MEMORY_LY6C_INT_CXCR5POS_CD4_TCELL_D150_LCMV_DN
                                                                                                                           GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UNTREATED_DN, GSE22432_MULTIPOTENT_VS_COMMON_DC_PROGENITOR_UNTREATED_DN
                                                                                                                           GSE13485_CTRL_VS_DAY7_YF17D_VACCINE_PBMC_DN, GSE13485_CTRL_VS_DAY7_YF17D_VACCINE_PBMC_DN
                                                                                                                           GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN, GSE42021_CD24HI_VS_CD24INT_TREG_THYMUS_DN
                                                                                                                           GSE41867_DAY8_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_UP, GSE41867_DAY8_EFFECTOR_VS_DAY30_MEMORY_CD8_TCELL_LCMV_ARMSTRONG_UP
                                                                                                                           GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN
                                                                                                                           GSE10325_BCELL_VS_LUPUS_BCELL_DN, GSE10325_BCELL_VS_LUPUS_BCELL_DN
                                                                                                                           GSE42021_TREG_VS_TCONV_PLN_UP, GSE42021_TREG_VS_TCONV_PLN_UP
                                                                                                                           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
                                                                                                                           GSE14000 UNSTIM VS 4H LPS DC DN, GSE14000 UNSTIM VS 4H LPS DC DN
                                                                                                                           GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_DN, GSE37533_PPARG2_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_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
                                                                                                                           GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_UP, GSE21360_NAIVE_VS_QUATERNARY_MEMORY_CD8_TCELL_UP
                                                                                                                           WANG CLIM2 TARGETS DN, WANG CLIM2 TARGETS DN
                                                                                                                           GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_FLU_VS_STREP_PNEUMO_INF_PBMC_UP
                                                                                                                           GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN, GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN
                                                                                                                           GSE42021 TREG PLN VS TREG PRECURSORS THYMUS DN, GSE42021 TREG PLN VS TREG PRECURSORS THYMUS DN
                                                                                                                           GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN, GSE7548_NAIVE_VS_DAY7_PCC_IMMUNIZATION_CD4_TCELL_DN
                                                                                                                           GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN, GSE1432_CTRL_VS_IFNG_6H_MICROGLIA_DN
                                                                                                                           GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MONOCYTES_DN, GSE21927_SPLEEN_C57BL6_VS_4T1_TUMOR_BALBC_MONOCYTES_DN
                                                                                                                           HALLMARK_INTERFERON_GAMMA_RESPONSE, HALLMARK_INTERFERON_GAMMA_RESPONSE
                                                                                                                           GSE6269_FLU_VS_E_COLI_INF_PBMC_UP, GSE6269_FLU_VS_E_COLI_INF_PBMC_UP
                                                                                                                           GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24INT_TREG_THYMUS_DN
                                                                                                                           GSE2770 UNTREATED VS IL4 TREATED ACT CD4 TCELL 2H DN, GSE2770 UNTREATED VS IL4 TREATED ACT CD4 TCELL 2H DN
                                                                                                                           GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN, GSE13485_DAY3_VS_DAY7_YF17D_VACCINE_PBMC_DN
                                                                                                                           GSE1432_1H_VS_24H_IFNG_MICROGLIA_DN, GSE1432_1H_VS_24H_IFNG_MICROGLIA_DN
                                                                                                                          WELCSH_BRCA1_TARGETS_DN, WELCSH_BRCA1_TARGETS_DN
                                                                                                                          GSE1432 CTRL VS IFNG 24H MICROGLIA DN, GSE1432 CTRL VS IFNG 24H MICROGLIA DN
                                                                                                                          GSE360_L_MAJOR_VS_T_GONDII_MAC_DN, GSE360_L_MAJOR_VS_T_GONDII_MAC_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
                                                                                                                           GSE28737_BCL6_HET_VS_BCL6_KO_MARGINAL_ZONE_BCELL_DN, GSE28737_BCL6_HET_VS_BCL6_KO_MARGINAL_ZONE_BCELL_DN
                                                                                                                           GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN, GSE13484_UNSTIM_VS_YF17D_VACCINE_STIM_PBMC_DN
                                                                                                                           GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN, GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN
                                                                                                                           GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_PBMC_UP, GSE6269_HEALTHY_VS_STAPH_AUREUS_INF_PBMC_UP
                                                                                                                           GSE13485_CTRL_VS_DAY3_YF17D_VACCINE_PBMC_DN, GSE13485_CTRL_VS_DAY3_YF17D_VACCINE_PBMC_DN
                                                                                                                           GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP, GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP
                                                                                                                           GSE18791 UNSTIM VS NEWCATSLE VIRUS DC 6H DN, GSE18791 UNSTIM VS NEWCATSLE VIRUS DC 6H DN
                                                                                                                           GSE26343_UNSTIM_VS_LPS_STIM_NFAT5_KO_MACROPHAGE_UP, GSE26343_UNSTIM_VS_LPS_STIM_NFAT5_KO_MACROPHAGE_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
                                                                                                                           XIE_ST_HSC_S1PR3_OE_UP, XIE_ST_HSC_S1PR3_OE_UP
                                                                                                                           GSE37533 PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG1_FOXP3_VS_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP
                                                                                                                           GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN, GSE14000_UNSTIM_VS_4H_LPS_DC_TRANSLATED_RNA_DN
                                                                                                                           GSE37534 UNTREATED VS ROSIGLITAZONE TREATED CD4 TCELL PPARG1_AND FOXP3 TRASDUCED DN, GSE37534 UNTREATED VS ROSIGLITAZONE TREATED CD4 TCELL PPARG1_AND FOXP3_TRASDUCED_DN
                                                                                                                          GSE6269_HEALTHY_VS_FLU_INF_PBMC_DN, GSE6269_HEALTHY_VS_FLU_INF_PBMC_DN
                                                                                                                          GSE42021 CD24INT VS CD24LOW TCONV THYMUS DN, GSE42021 CD24INT VS CD24LOW TCONV THYMUS 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
                                                                                                                          GOBP_MRNA_3_END_PROCESSING, GOBP_MRNA_3_END_PROCESSING
                                                                                                                          GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_DN, GSE9960_HEALTHY_VS_GRAM_POS_SEPSIS_PBMC_DN
                                                                                                                          GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN, GSE39382_IL3_VS_IL3_IL33_TREATED_MAST_CELL_DN
                                                                                                                          LTE2_UP.V1_DN, LTE2_UP.V1_DN
                                                                                                                          GSE14000 UNSTIM VS_16H_LPS_DC_TRANSLATED_RNA_DN, GSE14000 UNSTIM_VS_16H_LPS_DC_TRANSLATED_RNA_DN
                                                                                                                          GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_8H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_8H_DN
                                                                                                                          GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_DN, GSE7509_DC_VS_MONOCYTE_WITH_FCGRIIB_STIM_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
                                                                                                                          GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_UP, GSE26030_TH1_VS_TH17_DAY5_POST_POLARIZATION_UP
                                                                                                                          HALLMARK_INTERFERON_ALPHA_RESPONSE, HALLMARK_INTERFERON_ALPHA_RESPONSE
                                                                                                                          GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_DN, GSE42021_TREG_PLN_VS_CD24LO_TREG_THYMUS_DN
                                                                                                                          GSE42021_CD24HI_VS_CD24LOW_TREG_THYMUS_DN, GSE42021_CD24HI_VS_CD24LOW_TREG_THYMUS_DN
                                                                                                                          GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN, GSE2706_2H_VS_8H_R848_AND_LPS_STIM_DC_DN
                                                                                                                          TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP
                                                                                                                          GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN
                                                                                                                          GSE15930_STIM_VS_STIM_AND_IFNAB_48H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IFNAB_48H_CD8_T_CELL_DN
                                                                                                                           TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP
                                                                                                                          GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_DN, GSE42021_CD24INT_VS_CD24LOW_TREG_THYMUS_DN
                                                                                                                          GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP, GSE34156_NOD2_LIGAND_VS_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP
                                                                                                                           GSE5589_WT_VS_IL10_KO_LPS_STIM_MACROPHAGE_180MIN_UP, GSE5589_WT_VS_IL10_KO_LPS_STIM_MACROPHAGE_180MIN_UP
                                                                                                                           GSE10325 CD4 TCELL VS LUPUS CD4 TCELL DN, GSE10325 CD4 TCELL VS LUPUS CD4 TCELL DN
                                                                                                                           GSE8515_CTRL_VS_IL6_4H_STIM_MAC_UP, GSE8515_CTRL_VS_IL6_4H_STIM_MAC_UP
                                                                                                                          GSE3982_MAST_CELL_VS_BCELL_UP, GSE3982_MAST_CELL_VS_BCELL_UP
                                                                                                                          GSE19923_E2A_KO_VS_E2A_AND_HEB_KO_DP_THYMOCYTE_DN, GSE19923_E2A_KO_VS_E2A_AND_HEB_KO_DP_THYMOCYTE_DN
                                                                                                                          GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP
                                                                                                                           SHAFFER_IRF4_TARGETS_IN_MYELOMA_VS_MATURE_B_LYMPHOCYTE, SHAFFER_IRF4_TARGETS_IN_MYELOMA_VS_MATURE_B_LYMPHOCYTE
                                                                                                                           GSE1925_CTRL_VS_24H_IFNG_STIM_MACROPHAGE_UP, GSE1925_CTRL_VS_24H_IFNG_STIM_MACROPHAGE_UP
                                                                                                                           DER IFN BETA RESPONSE UP, DER IFN BETA RESPONSE UP
                                                                                                                          GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_DN, GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_DN
                                                                                                                          GSE39820_TGFBETA3_IL6_VS_TGFBETA3_IL6_IL23A_TREATED_CD4_TCELL_DN, GSE39820_TGFBETA3_IL6_VS_TGFBETA3_IL6_IL23A_TREATED_CD4_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
                                                                                                                          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
                                                                                                                          GOMF_DAMAGED_DNA_BINDING, GOMF_DAMAGED_DNA_BINDING
                                                                                                                          GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_DN, GSE7509_UNSTIM_VS_FCGRIIB_STIM_DC_DN
                                                                                                                           GOCC_SITE_OF_DOUBLE_STRAND_BREAK, GOCC_SITE_OF_DOUBLE_STRAND_BREAK
                                                                                                                          BLANCO_MELO_COVID19_SARS_COV_2_POS_PATIENT_LUNG_TISSUE_UP, BLANCO_MELO_COVID19_SARS_COV_2_POS_PATIENT_LUNG_TISSUE_UP
                                                                                                                           HECKER_IFNB1_TARGETS, HECKER_IFNB1_TARGETS
                                                                                                                           SCHERER_PBMC_YF_VAX_AGE_18_40YO_JOINT_TO_VACCINIA_AND_YELLOW_FEVER_UP, SCHERER_PBMC_YF_VAX_AGE_18_40YO_JOINT_TO_VACCINIA_AND_YELLOW_FEVER_UP
                                                                                                                           SCHERER_PBMC_APSV_WETVAX_AGE_18_40YO_JOINT_TO_VACCINIA_AND_YELLOW_FEVER_UP, SCHERER_PBMC_APSV_WETVAX_AGE_18_40YO_JOINT_TO_VACCINIA_AND_YELLOW_FEVER_UP
                                                                                                                           GSE360 L MAJOR VS M TUBERCULOSIS DC DN, GSE360 L MAJOR VS M TUBERCULOSIS DC DN
                                                                                                                           GOBP_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_DEADENYLATION_DEPENDENT_DECAY, GOBP_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_DEADENYLATION_DEPENDENT_DECAY
                                                                                                                           BROWNE_INTERFERON_RESPONSIVE_GENES, BROWNE_INTERFERON_RESPONSIVE_GENES
                                                                                                                           GSE21063 CTRL VS ANTI IGM STIM BCELL NFATC1 KO 3H UP, GSE21063 CTRL VS ANTI IGM STIM BCELL NFATC1 KO 3H UP
                                                                                                                           KEGG_NUCLEOTIDE_EXCISION_REPAIR, KEGG_NUCLEOTIDE_EXCISION_REPAIR
                                                                                                                           WP_NUCLEOTIDE_EXCISION_REPAIR, WP_NUCLEOTIDE_EXCISION_REPAIR
                                                                                                                           JAZAG_TGFB1_SIGNALING_UP, JAZAG_TGFB1_SIGNALING_UP
                                                                                                                           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
                                                                                                                           GOBP_WATER_SOLUBLE_VITAMIN_METABOLIC_PROCESS, GOBP_WATER_SOLUBLE_VITAMIN_METABOLIC_PROCESS
                                                                                                                           GSE12484_HEALTHY_VS_PERIDONTITIS_NEUTROPHILS_DN, GSE12484_HEALTHY_VS_PERIDONTITIS_NEUTROPHILS_DN
                                                                                                                           DER IFN ALPHA RESPONSE UP, DER IFN ALPHA RESPONSE UP
                                                                                                                           VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_UP, VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_UP
                                                                                                                           HP_PARAPARESIS, HP_PARAPARESIS
                                                                                                                           GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_CTRL_VS_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_DN
                                                                                                                           DER_IFN_GAMMA_RESPONSE_UP, DER_IFN_GAMMA_RESPONSE_UP
                                                                                                                           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
                                                                                                                           SHAFFER_IRF4_TARGETS_IN_PLASMA_CELL_VS_MATURE_B_LYMPHOCYTE, SHAFFER_IRF4_TARGETS_IN_PLASMA_CELL_VS_MATURE_B_LYMPHOCYTE
                                                                                                                           MODULE_171, MODULE_171
                                                                                                                           SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_7DY_DN, SOBOLEV_PBMC_PANDEMRIX_AGE_18_64YO_7DY_DN
                                                                                                                           RADAEVA_RESPONSE_TO_IFNA1_UP, RADAEVA_RESPONSE_TO_IFNA1_UP
                                                                                                                           REACTOME TERMINATION OF TRANSLESION DNA SYNTHESIS, REACTOME TERMINATION OF TRANSLESION DNA SYNTHESIS
                                                                                                                           MODULE 345, MODULE 345
                                                                                                                           MOSERLE_IFNA_RESPONSE, MOSERLE_IFNA_RESPONSE
                                                                                                                           GSE9960_GRAM_NEG_VS_GRAM_NEG_AND_POS_SEPSIS_PBMC_UP, GSE9960_GRAM_NEG_VS_GRAM_NEG_AND_POS_SEPSIS_PBMC_UP
                                                                                                                           MIR508_3P, MIR508_3P
                                                                                                                           GOBP_ALPHA_AMINO_ACID_BIOSYNTHETIC_PROCESS, GOBP_ALPHA_AMINO_ACID_BIOSYNTHETIC_PROCESS
                                                                                                                           GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP, GSE43863_NAIVE_VS_MEMORY_TH1_CD4_TCELL_D150_LCMV_UP
                                                                                                                           IWANAGA_CARCINOGENESIS_BY_KRAS_PTEN_UP, IWANAGA_CARCINOGENESIS_BY_KRAS_PTEN_UP
                                                                                                                           HP_SPASTIC_PARAPARESIS, HP_SPASTIC_PARAPARESIS
                                                                                                                           STAT1_01, STAT1_01
                                                                                                                           GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DN, GSE43863_NAIVE_VS_TH1_EFF_CD4_TCELL_D6_LCMV_DN
                                                                                                                           KRASNOSELSKAYA_ILF3_TARGETS_UP, KRASNOSELSKAYA_ILF3_TARGETS_UP
                                                                                                                           ZHANG_INTERFERON_RESPONSE, ZHANG_INTERFERON_RESPONSE
                                                                                                                           NAKAYA_PBMC_FLUMIST_AGE_18_50YO_3DY_IFN_SUBSET_UP, NAKAYA_PBMC_FLUMIST_AGE_18_50YO_3DY_IFN_SUBSET_UP
                                                                                                                           ATCMNTCCGY_UNKNOWN, ATCMNTCCGY_UNKNOWN
                                                                                                                           GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_UP, GSE6566_STRONG_VS_WEAK_DC_STIMULATED_CD4_TCELL_UP
                                                                                                                           AMIT_EGF_RESPONSE_120_MCF10A, AMIT_EGF_RESPONSE_120_MCF10A
                                                                                                                           ZHAN_MULTIPLE_MYELOMA_LB_DN, ZHAN_MULTIPLE_MYELOMA_LB_DN
                                                                                                                           KANNAN_TP53_TARGETS_DN, KANNAN_TP53_TARGETS_DN
                                                                                                                           SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_UP, SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_UP
                                                                                                                           BOWIE_RESPONSE_TO_TAMOXIFEN, BOWIE_RESPONSE_TO_TAMOXIFEN
                                                                                                                           DAUER STAT3 TARGETS DN, DAUER STAT3 TARGETS DN
                                                                                                                           REACTOME_INTERFERON_ALPHA_BETA_SIGNALING, REACTOME_INTERFERON_ALPHA_BETA_SIGNALING
                                                                                                                           HP_ABNORMALITY_OF_THE_TALUS, HP_ABNORMALITY_OF_THE_TALUS
                                                                                                                           BOWIE_RESPONSE_TO_EXTRACELLULAR_MATRIX, BOWIE_RESPONSE_TO_EXTRACELLULAR_MATRIX
                                                                                                                           HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_DN, HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_7DY_DN
                                                                                                                           BENNETT_SYSTEMIC_LUPUS_ERYTHEMATOSUS, BENNETT_SYSTEMIC_LUPUS_ERYTHEMATOSUS
                                                                                                                           MATZUK_MEIOTIC_AND_DNA_REPAIR, MATZUK_MEIOTIC_AND_DNA_REPAIR
                                                                                                                           LEE_AGING_CEREBELLUM_UP, LEE_AGING_CEREBELLUM_UP
                                                                                                                           GOBP_REGULATION_OF_PROTEIN_EXPORT_FROM_NUCLEUS, GOBP_REGULATION_OF_PROTEIN_EXPORT_FROM_NUCLEUS
                                                                                                                           BARRIER_COLON_CANCER_RECURRENCE_UP, BARRIER_COLON_CANCER_RECURRENCE_UP
                                                                                                                           FARMER_BREAST_CANCER_CLUSTER_1, FARMER_BREAST_CANCER_CLUSTER_1
                                                                                                                           GOBP_CELLULAR_AMINO_ACID_BIOSYNTHETIC_PROCESS, GOBP_CELLULAR_AMINO_ACID_BIOSYNTHETIC_PROCESS
                                                                                                                           GOBP_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_INITIATION, GOBP_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_INITIATION
                                                                                                                           LINDSTEDT_DENDRITIC_CELL_MATURATION_C, LINDSTEDT_DENDRITIC_CELL_MATURATION_C
                                                                                                                           WUNDER_INFLAMMATORY_RESPONSE_AND_CHOLESTEROL_UP, WUNDER_INFLAMMATORY_RESPONSE_AND_CHOLESTEROL_UP
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_DNA_REPLICATION, GOBP_POSITIVE_REGULATION_OF_DNA_REPLICATION
                                                                                                                           WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_MAPK_SIGNALING, WP_HOSTPATHOGEN_INTERACTION_OF_HUMAN_CORONA_VIRUSES_MAPK_SIGNALING
                                                                                                                           ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_UP, ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_UP
                                                                                                                           GOBP_REGULATION_OF_DNA_DAMAGE_CHECKPOINT, GOBP_REGULATION_OF_DNA_DAMAGE_CHECKPOINT
                                                                                                                           GOBP_ASPARTATE_FAMILY_AMINO_ACID_METABOLIC_PROCESS, GOBP_ASPARTATE_FAMILY_AMINO_ACID_METABOLIC_PROCESS
                                                                                                                           VALK AML CLUSTER 3, VALK AML CLUSTER 3
                                                                                                                           MIR6529 5P, MIR6529 5P
                                                                                                                           MARCHINI_TRABECTEDIN_RESISTANCE_UP, MARCHINI_TRABECTEDIN_RESISTANCE_UP
                                                                                                                           HP_PAROXYSMAL_INVOLUNTARY_EYE_MOVEMENTS, HP_PAROXYSMAL_INVOLUNTARY_EYE_MOVEMENTS
                                                                                                                           HP ENLARGED CISTERNA MAGNA, HP ENLARGED CISTERNA MAGNA
                                                                                                                           GOMF_VITAMIN_B6_BINDING, GOMF_VITAMIN_B6_BINDING
                                                                                                                           EINAV_INTERFERON_SIGNATURE_IN_CANCER, EINAV_INTERFERON_SIGNATURE_IN_CANCER
                                                                                                                           UROSEVIC_RESPONSE_TO_IMIQUIMOD, UROSEVIC_RESPONSE_TO_IMIQUIMOD
GCSF TREATED BONE MARROW DN, GSE21927 GMCSF IL6 VS GMCSF GCSF TREATED BONE MARROW DN
                                                                                                                           WP_UNFOLDED_PROTEIN_RESPONSE, WP_UNFOLDED_PROTEIN_RESPONSE
                                                                                                                           GOMF_INTRAMOLECULAR_OXIDOREDUCTASE_ACTIVITY, GOMF_INTRAMOLECULAR_OXIDOREDUCTASE_ACTIVITY
                                                                                                                           GRANDVAUX_IFN_RESPONSE_NOT_VIA_IRF3, GRANDVAUX_IFN_RESPONSE_NOT_VIA_IRF3
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_INITIATION, GOBP_POSITIVE_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_INITIATION
                                                                                                                           LEE_METASTASIS_AND_RNA_PROCESSING_UP, LEE_METASTASIS_AND_RNA_PROCESSING_UP
                                                                                                                           GOBP_REGULATION_OF_TRANSCRIPTION_INITIATION_FROM_RNA_POLYMERASE_II_PROMOTER, GOBP_REGULATION_OF_TRANSCRIPTION_INITIATION_FROM_RNA_POLYMERASE_II_PROMOTER
                                                                                                                           REACTOME BRANCHED CHAIN AMINO ACID CATABOLISM, REACTOME BRANCHED CHAIN AMINO ACID CATABOLISM
                                                                                                                           WP_FAS_LIGAND_FASL_PATHWAY_AND_STRESS_INDUCTION_OF_HEAT_SHOCK_PROTEINS_HSP_REGULATION, WP_FAS_LIGAND_FASL_PATHWAY_AND_STRESS_INDUCTION_OF_HEAT_SHOCK_PROTEINS_HSP_REGULATION
                                                                                                                           SARTIPY_NORMAL_AT_INSULIN_RESISTANCE_UP, SARTIPY_NORMAL_AT_INSULIN_RESISTANCE_UP
                                                                                                                           JIANG_HYPOXIA_VIA_VHL, JIANG_HYPOXIA_VIA_VHL
                                                                                                                           WP PHOTODYNAMIC THERAPYINDUCED UNFOLDED PROTEIN RESPONSE, WP PHOTODYNAMIC THERAPYINDUCED UNFOLDED PROTEIN RESPONSE
                                                                                                                           BECKER_TAMOXIFEN_RESISTANCE_UP, BECKER_TAMOXIFEN_RESISTANCE_UP
                                                                                                                           GSE28737_WT_VS_BCL6_KO_MARGINAL_ZONE_BCELL_UP, GSE28737_WT_VS_BCL6_KO_MARGINAL_ZONE_BCELL_UP
                                                                                                                           MIR5704, MIR5704
                                                                                                                           KANG_DOXORUBICIN_RESISTANCE_DN, KANG_DOXORUBICIN_RESISTANCE_DN
                                                                                                                           GSE37301_PRO_BCELL_VS_CD4_TCELL_DN, GSE37301_PRO_BCELL_VS_CD4_TCELL_DN
                                                                                                                           KAAB_FAILED_HEART_VENTRICLE_DN, KAAB_FAILED_HEART_VENTRICLE_DN
                                                                                                                           MIR221 5P, MIR221 5P
                                                                                                                           MIR6769B 5P, MIR6769B 5P
                                                                                                                           PID_LIS1_PATHWAY, PID_LIS1_PATHWAY
                                                                                                                           DURCHDEWALD_SKIN_CARCINOGENESIS_UP, DURCHDEWALD_SKIN_CARCINOGENESIS_UP
                                                                                                                           APPIERTO_RESPONSE_TO_FENRETINIDE_UP, APPIERTO_RESPONSE_TO_FENRETINIDE_UP
                                                                                                                           NAKAMURA_METASTASIS_MODEL_UP, NAKAMURA_METASTASIS_MODEL_UP
                                                                                                                           MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R_UP, MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R_UP
                                                                                                                           HP_LOW_HANGING_COLUMELLA, HP_LOW_HANGING_COLUMELLA
                                                                                                                           REACTOME_ATF4_ACTIVATES_GENES_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS, REACTOME_ATF4_ACTIVATES_GENES_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
                                                                                                                           GSE13411 IGM VS SWITCHED MEMORY BCELL UP, GSE13411 IGM VS SWITCHED MEMORY BCELL UP
                                                                                                                           GOCC_INTRACILIARY_TRANSPORT_PARTICLE, GOCC_INTRACILIARY_TRANSPORT_PARTICLE
                                                                                                                           NOJIMA_SFRP2_TARGETS_DN, NOJIMA_SFRP2_TARGETS_DN
                                                                                                                           MIR3619_3P, MIR3619_3P
                                                                                                                           NIKOLSKY BREAST CANCER 7Q21 Q22 AMPLICON, NIKOLSKY BREAST CANCER 7Q21 Q22 AMPLICON
                                                                                                                           MIR323B 3P, MIR323B 3P
                                                                                                                           MOOTHA_FFA_OXYDATION, MOOTHA_FFA_OXYDATION
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_VIRAL_GENOME_REPLICATION, GOBP_POSITIVE_REGULATION_OF_VIRAL_GENOME_REPLICATION
                                                                                                                           BIOCARTA FAS PATHWAY, BIOCARTA FAS PATHWAY
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_INITIATION_FROM_RNA_POLYMERASE_II_PROMOTER, GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_INITIATION_FROM_RNA_POLYMERASE_II_PROMOTER
                                                                                                                           VALK_AML_CLUSTER_6, VALK_AML_CLUSTER_6
                                                                                                                           TSAI RESPONSE TO RADIATION THERAPY, TSAI RESPONSE TO RADIATION THERAPY
                                                                                                                           GOBP_P_BODY_ASSEMBLY, GOBP_P_BODY_ASSEMBLY
                                                                                                                           GOBP_ASPARTATE_FAMILY_AMINO_ACID_BIOSYNTHETIC_PROCESS, GOBP_ASPARTATE_FAMILY_AMINO_ACID_BIOSYNTHETIC_PROCESS
                                                                                                                           STAMBOLSKY TARGETS OF MUTATED TP53 DN, STAMBOLSKY TARGETS OF MUTATED TP53 DN
                                                                                                                           XU_AKT1_TARGETS_6HR, XU_AKT1_TARGETS_6HR
                                                                                                                           WHITESIDE_CISPLATIN_RESISTANCE_UP, WHITESIDE_CISPLATIN_RESISTANCE_UP
                                                                                                                           MIR3085_5P, MIR3085_5P
                                                                                                                           YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP100_UP, YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP100_UP
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_FROM_RNA_POLYMERASE_II_PROMOTER_IN_RESPONSE_TO_STRESS, GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_FROM_RNA_POLYMERASE_II_PROMOTER_IN_RESPONSE_TO_STRESS
                                                                                                                           HP_DYSMETRIC_SACCADES, HP_DYSMETRIC_SACCADES
                                                                                                                           HP_APLASIA_HYPOPLASIA_OF_THE_SPLEEN, HP_APLASIA_HYPOPLASIA_OF_THE_SPLEEN
                                                                                                                           REACTOME_ATF6_ATF6_ALPHA_ACTIVATES_CHAPERONES, REACTOME_ATF6_ATF6_ALPHA_ACTIVATES_CHAPERONES
                                                                                                                           MODULE 481, MODULE 481
                                                                                                                           GOBP_L_SERINE_BIOSYNTHETIC_PROCESS, GOBP_L_SERINE_BIOSYNTHETIC_PROCESS
                                                                                                                          REACTOME_WNT_MEDIATED_ACTIVATION_OF_DVL, REACTOME_WNT_MEDIATED_ACTIVATION_OF_DVL
                                                                                                                           KEGG GLYCINE SERINE AND THREONINE METABOLISM, KEGG GLYCINE SERINE AND THREONINE METABOLISM
                                                                                                                           HP_DECREASED_FERTILITY_IN_MALES, HP_DECREASED_FERTILITY_IN_MALES
                                                                                                                           HP HYPOKINESIA, HP HYPOKINESIA
                                                                                                                           HP_RECURRENT_INFECTION_OF_THE_GASTROINTESTINAL_TRACT, HP_RECURRENT_INFECTION_OF_THE_GASTROINTESTINAL_TRACT
                                                                                                                           WHITEHURST_PACLITAXEL_SENSITIVITY, WHITEHURST_PACLITAXEL_SENSITIVITY
                                                                                                                           GOBP_VITAMIN_BIOSYNTHETIC_PROCESS, GOBP_VITAMIN_BIOSYNTHETIC_PROCESS
                                                                                                                           TIMOFEEVA_GROWTH_STRESS_VIA_STAT1_DN, TIMOFEEVA_GROWTH_STRESS_VIA_STAT1_DN
                                                                                                                           OUYANG_PROSTATE_CANCER_PROGRESSION_DN, OUYANG_PROSTATE_CANCER_PROGRESSION_DN
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_TRANSCRIPTION_FROM_RNA_POLYMERASE_II_PROMOTER_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS, GOBP_POSITIVE_REGULATION_FROM_RNA_POLYMERASE_II_PROMOTER_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS, GOBP_POSITIVE_REGULATION_FROM_RNA_POLYMERASE_II_PROMOTER_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS, GOBP_POSITIVE_REGULATION_FROM_RNA_POLYMERASE_II_PROMOTER_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS, GOBP_POSITIVE_REGULATION_FROM_POLYMERASE_II_PROMOTER
                                                                                                                           GOBP_SERINE_FAMILY_AMINO_ACID_BIOSYNTHETIC_PROCESS, GOBP_SERINE_FAMILY_AMINO_ACID_BIOSYNTHETIC_PROCESS
                                                                                                                          GOBP_SERINE_FAMILY_AMINO_ACID_METABOLIC_PROCESS, GOBP_SERINE_FAMILY_AMINO_ACID_METABOLIC_PROCESS
                                                                                                                           GOMF_VITAMIN_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_VITAMIN_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                                                           DAIRKEE_CANCER_PRONE_RESPONSE_E2, DAIRKEE_CANCER_PRONE_RESPONSE_E2
                                                                                                                           HP MICROPHALLUS, HP MICROPHALLUS
                                                                                                                           VERRECCHIA_DELAYED_RESPONSE_TO_TGFB1, VERRECCHIA_DELAYED_RESPONSE_TO_TGFB1
                                                                                                                           MIR193A_5P, MIR193A_5P
                                                                                                                          HP_SPASTIC_ATAXIA, HP_SPASTIC_ATAXIA
                                                                                                                          HP_ABNORMALITY_OF_VITAMIN_B12_METABOLISM, HP_ABNORMALITY_OF_VITAMIN_B12_METABOLISM
                                                                                                                          GOMF_XENOBIOTIC_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_XENOBIOTIC_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                                                          HP UPPER LIMB HYPERTONIA, HP UPPER LIMB HYPERTONIA
                                                                                                                          HP_POLYSPLENIA, HP_POLYSPLENIA
                                                                                                                          REACTOME_ATF6_ATF6_ALPHA_ACTIVATES_CHAPERONE_GENES, REACTOME_ATF6_ATF6_ALPHA_ACTIVATES_CHAPERONE_GENES
                                                                                                                           TSAI_DNAJB4_TARGETS_UP, TSAI_DNAJB4_TARGETS_UP
                                                                                                                           HP_METHYLMALONIC_ACIDEMIA, HP_METHYLMALONIC_ACIDEMIA
                                                                                                                          GOCC AGGRESOME, GOCC AGGRESOME
                                                                                                                          GOBP_REGULATION_OF_RNA_POLYMERASE_II_TRANSCRIPTION_PREINITIATION_COMPLEX_ASSEMBLY, GOBP_REGULATION_OF_RNA_POLYMERASE_II_TRANSCRIPTION_PREINITIATION_COMPLEX_ASSEMBLY
                                                                                                                          XU_HGF_TARGETS_INDUCED_BY_AKT1_6HR, XU_HGF_TARGETS_INDUCED_BY_AKT1_6HR
                                                                                                                          HP_ABNORMAL_RENAL_CORTICOMEDULLARY_DIFFERENTIATION, HP_ABNORMAL_RENAL_CORTICOMEDULLARY_DIFFERENTIATION
                                                                                                                           GOBP_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_APOPTOTIC_PROCESS, GOBP_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_APOPTOTIC_PROCESS
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_BIOMINERALIZATION, GOBP_POSITIVE_REGULATION_OF_BIOMINERALIZATION
                                                                                                                           GOBP_RESPONSE_TO_ALKALOID, GOBP_RESPONSE_TO_ALKALOID
                                                                                                                           GOMF AMINO ACID BINDING, GOMF AMINO ACID BINDING
                                                                                                                           GOMF_SOLUTE_ANION_ANTIPORTER_ACTIVITY, GOMF_SOLUTE_ANION_ANTIPORTER_ACTIVITY
                                                                                                                           HP_KETOACIDOSIS, HP_KETOACIDOSIS
                                                                                                                          HP_RECURRENT_MYCOBACTERIAL_INFECTIONS, HP_RECURRENT_MYCOBACTERIAL_INFECTIONS
                                                                                                                          HP CALCINOSIS, HP CALCINOSIS
                                                                                                                          GOBP_RRNA_BASE_METHYLATION, GOBP_RRNA_BASE_METHYLATION
                                                                                                                           BIOCARTA_CASPASE_PATHWAY, BIOCARTA_CASPASE_PATHWAY
                                                                                                                           LEE_AGING_MUSCLE_DN, LEE_AGING_MUSCLE_DN
                                                                                                                          COLE_BLOOD_FLUMIST_QUADRIVALENT_AGE_03_17YO_7DY_UP, COLE_BLOOD_FLUMIST_QUADRIVALENT_AGE_03_17YO_7DY_UP
                                                                                                                          HP_ABNORMALITY_OF_THE_MASTOID, HP_ABNORMALITY_OF_THE_MASTOID
                                                                                                                          HP_MILD_HEARING_IMPAIRMENT, HP_MILD_HEARING_IMPAIRMENT
                                                                                                                          HP_RECURRENT_SINOPULMONARY_INFECTIONS, HP_RECURRENT_SINOPULMONARY_INFECTIONS
                                                                                                                          GOBP_RESPONSE_TO_GRAVITY, GOBP_RESPONSE_TO_GRAVITY
                                                                                                                          HP_MEDULLOBLASTOMA, HP_MEDULLOBLASTOMA
                                                                                                                          REACTOME_ACTIVATED_NTRK2_SIGNALS_THROUGH_FYN, REACTOME_ACTIVATED_NTRK2_SIGNALS_THROUGH_FYN
                                                                                                                          WP_ROBO4_AND_VEGF_SIGNALING_PATHWAYS_CROSSTALK, WP_ROBO4_AND_VEGF_SIGNALING_PATHWAYS_CROSSTALK
                                                                                                                          AMIT EGF RESPONSE 20 MCF10A, AMIT EGF RESPONSE 20 MCF10A
                                                                                                                          MIR503_3P, MIR503_3P
                                                                                                                          HP_ABNORMAL_ATRIAL_ARRANGEMENT, HP_ABNORMAL_ATRIAL_ARRANGEMENT
                                                                                                                          BYSTRYKH_HEMATOPOIESIS_STEM_CELL_FLI1, BYSTRYKH_HEMATOPOIESIS_STEM_CELL_FLI1
                                                                                                                          GOMF_ALPHA_1_3_FUCOSYLTRANSFERASE_ACTIVITY, GOMF_ALPHA_1_3_FUCOSYLTRANSFERASE_ACTIVITY
                                                                                                                          GOCC_INTRACILIARY_TRANSPORT_PARTICLE_B, GOCC_INTRACILIARY_TRANSPORT_PARTICLE_B
                                                                                                                          IYENGAR_RESPONSE_TO_ADIPOCYTE_FACTORS, IYENGAR_RESPONSE_TO_ADIPOCYTE_FACTORS
                                                                                                                           GOMF_SPHINGOLIPID_TRANSFER_ACTIVITY, GOMF_SPHINGOLIPID_TRANSFER_ACTIVITY
                                                                                                                          HP_RADIAL_DEVIATION_OF_THE_HAND, HP_RADIAL_DEVIATION_OF_THE_HAND
                                                                                                                          HP_ABSENT_PALMAR_CREASE, HP_ABSENT_PALMAR_CREASE
                                                                                                                          HP_LIMB_PAIN, HP_LIMB_PAIN
                                                                                                                          HP_CYANOTIC_EPISODE, HP_CYANOTIC_EPISODE
                                                                                                                           GOBP CHOLINE TRANSPORT, GOBP CHOLINE TRANSPORT
                                                                                                                           GOBP_NEGATIVE_REGULATION_OF_DOUBLE_STRAND_BREAK_REPAIR_VIA_NONHOMOLOGOUS_END_JOINING, GOBP_NEGATIVE_REGULATION_OF_DOUBLE_STRAND_BREAK_REPAIR_VIA_NONHOMOLOGOUS_END_JOINING
                                                                                                                           CHANG_IMMORTALIZED_BY_HPV31_DN, CHANG_IMMORTALIZED_BY_HPV31_DN
                                                                                                                           OHGUCHI_LIVER_HNF4A_TARGETS_UP, OHGUCHI_LIVER_HNF4A_TARGETS_UP
                                                                                                                           GOMF_INSULIN_LIKE_GROWTH_FACTOR_II_BINDING, GOMF_INSULIN_LIKE_GROWTH_FACTOR_II_BINDING
                                                                                                                           GOBP_CALCIUM_ION_EXPORT_ACROSS_PLASMA_MEMBRANE, GOBP_CALCIUM_ION_EXPORT_ACROSS_PLASMA_MEMBRANE
                                                                                                                           GOCC SUMO LIGASE COMPLEX, GOCC SUMO LIGASE COMPLEX
                                                                                                                           HP_NASAL_OBSTRUCTION, HP_NASAL_OBSTRUCTION
                                                                                                                           HP_QUADRICEPS_MUSCLE_WEAKNESS, HP_QUADRICEPS_MUSCLE_WEAKNESS
                                                                                                                           BENPORATH_ES_CORE_NINE, BENPORATH_ES_CORE_NINE
                                                                                                                           HP_CHRONIC_MYELOGENOUS_LEUKEMIA, HP_CHRONIC_MYELOGENOUS_LEUKEMIA
                                                                                                                           GOBP_FUCOSE_CATABOLIC_PROCESS, GOBP_FUCOSE_CATABOLIC_PROCESS
                                                                                                                           GOBP L_SERINE_METABOLIC_PROCESS, GOBP_L_SERINE_METABOLIC_PROCESS
                                                                                                                           GOMF_TRANSFERASE_ACTIVITY_TRANSFERRING_NITROGENOUS_GROUPS, GOMF_TRANSFERASE_ACTIVITY_TRANSFERRING_NITROGENOUS_GROUPS
                                                                                                                           HP_INCREASED_SULFUR_AMINO_ACID_LEVEL_IN_URINE, HP_INCREASED_SULFUR_AMINO_ACID_LEVEL_IN_URINE
                                                                                                                          GOBP_POSITIVE_REGULATION_OF_ASTROCYTE_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_ASTROCYTE_DIFFERENTIATION
                                                                                                                           GOMF_4_GALACTOSYL_N_ACETYLGLUCOSAMINIDE_3_ALPHA_L_FUCOSYLTRANSFERASE_ACTIVITY, GOMF_4_GALACTOSYL_N_ACETYLGLUCOSAMINIDE_3_ALPHA_L_FUCOSYLTRANSFERASE_ACTIVITY
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_APOPTOTIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_APOPTOTIC_PROCESS
                                                                                                                           KYNG NORMAL AGING UP, KYNG NORMAL AGING UP
                                                                                                                           MODULE 521, MODULE 521
                                                                                                                           GOMF_ALKALI_METAL_ION_BINDING, GOMF_ALKALI_METAL_ION_BINDING
                                                                                                                           GOMF_PROTEASOME_BINDING, GOMF_PROTEASOME_BINDING
                                                                                                                           HP_ABNORMAL_BLOOD_SODIUM_CONCENTRATION, HP_ABNORMAL_BLOOD_SODIUM_CONCENTRATION
                                                                                                                           GOMF LRR_DOMAIN_BINDING, GOMF_LRR_DOMAIN_BINDING
                                                                                                                           GOBP_ADULT_HEART_DEVELOPMENT, GOBP_ADULT_HEART_DEVELOPMENT
                                                                                                                           HP MONOCHROMACY, HP MONOCHROMACY
                                                                                                                           GOBP_CYTOPLASM_ORGANIZATION, GOBP_CYTOPLASM_ORGANIZATION
                                                                                                                           HP_MOVEMENT_ABNORMALITY_OF_THE_TONGUE, HP_MOVEMENT_ABNORMALITY_OF_THE_TONGUE
                                                                                                                           HP_ABNORMAL_LIGHT_ADAPTED_ELECTRORETINOGRAM, HP_ABNORMAL_LIGHT_ADAPTED_ELECTRORETINOGRAM
                                                                                                                           GOMF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_EXECUTION_PHASE_OF_APOPTOSIS, GOMF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_EXECUTION_PHASE_OF_APOPTOSIS
                                                                                                                           GOBP_L_ARGININE_TRANSPORT, GOBP_L_ARGININE_TRANSPORT
                                                                                                                           GOBP_REGULATION_OF_PHOSPHATE_TRANSPORT, GOBP_REGULATION_OF_PHOSPHATE_TRANSPORT
                                                                                                                           GOMF_MUTSALPHA_COMPLEX_BINDING, GOMF_MUTSALPHA_COMPLEX_BINDING
                                                                                                                           MIKI_COEXPRESSED_WITH_CYP19A1, MIKI_COEXPRESSED_WITH_CYP19A1
                                                                                                                           PALOMERO_GSI_SENSITIVITY_UP, PALOMERO_GSI_SENSITIVITY_UP
                                                                                                                           HP_PSEUDOBULBAR_PARALYSIS, HP_PSEUDOBULBAR_PARALYSIS
                                                                                                                           DORN_ADENOVIRUS_INFECTION_24HR_UP, DORN_ADENOVIRUS_INFECTION_24HR_UP
                                                                                                                           HP_ABNORMAL_RESPIRATORY_MOTILE_CILIUM_PHYSIOLOGY, HP_ABNORMAL_RESPIRATORY_MOTILE_CILIUM_PHYSIOLOGY
                                                                                                                           HP_RECURRENT_ABSCESS_FORMATION, HP_RECURRENT_ABSCESS_FORMATION
                                                                                                                           HP_PROTEIN_LOSING_ENTEROPATHY, HP_PROTEIN_LOSING_ENTEROPATHY
                                                                                                                           ZHENG_RESPONSE_TO_ARSENITE_UP, ZHENG_RESPONSE_TO_ARSENITE_UP
                                                                                                                           HP ABNORMAL RESPIRATORY MOTILE CILIUM MORPHOLOGY, HP ABNORMAL RESPIRATORY MOTILE CILIUM MORPHOLOGY
                                                                                                                           HINATA_NFKB_MATRIX, HINATA_NFKB_MATRIX
                                                                                                                           GOBP_STEROID_ESTERIFICATION, GOBP_STEROID_ESTERIFICATION
                                                                                                                           ZAIDI_OSTEOBLAST_TRANSCRIPTION_FACTORS, ZAIDI_OSTEOBLAST_TRANSCRIPTION_FACTORS
                                                                                                                           GOCC_FANCONI_ANAEMIA_NUCLEAR_COMPLEX, GOCC_FANCONI_ANAEMIA_NUCLEAR_COMPLEX
                                                                                                                          GOMF_CAMP_RESPONSE_ELEMENT_BINDING_PROTEIN_BINDING, GOMF_CAMP_RESPONSE_ELEMENT_BINDING_PROTEIN_BINDING
                                                                                                                          GOBP PHOSPHATE ION TRANSPORT, GOBP PHOSPHATE ION TRANSPORT
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