```
WANG_CLIM2_TARGETS_DN, WANG_CLIM2_TARGETS_DN
                                                                                            GSE13411_IGM_MEMORY_BCELL_VS_PLASMA_CELL_UP, GSE13411_IGM_MEMORY_BCELL_VS_PLASMA_CELL_UP
                                                                                            GSE3982_CTRL_VS_LPS_4H_MAC_DN, GSE3982_CTRL_VS_LPS_4H_MAC_DN
                                                                                            GSE3982_DC_VS_NEUTROPHIL_DN, GSE3982_DC_VS_NEUTROPHIL_DN
                                                                                            GSE29618_BCELL_VS_PDC_DN, GSE29618_BCELL_VS_PDC_DN
                                                                                            GSE3982_DC_VS_BASOPHIL_DN, GSE3982_DC_VS_BASOPHIL_DN
                                                                                            GSE3982_MAST_CELL_VS_EFF_MEMORY_CD4_TCELL_UP, GSE3982_MAST_CELL_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                            GSE3982_CTRL_VS_PMA_STIM_EOSINOPHIL_UP, GSE3982_CTRL_VS_PMA_STIM_EOSINOPHIL_UP
                                                                                            GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP, GSE11864_CSF1_VS_CSF1_IFNG_PAM3CYS_IN_MAC_UP
                                                                                            GSE3982_DC_VS_NKCELL_UP, GSE3982_DC_VS_NKCELL_UP
                                                                                            GSE9988_ANTI_TREM1_AND_LPS_VS_VEHICLE_TREATED_MONOCYTES_UP, GSE9988_ANTI_TREM1_AND_LPS_VS_VEHICLE_TREATED_MONOCYTES_UP
                                                                                            GSE32901_TH1_VS_TH17_ENRICHED_CD4_TCELL_UP, GSE32901_TH1_VS_TH17_ENRICHED_CD4_TCELL_UP
                                                                                            GSE14699_NAIVE_VS_ACT_CD8_TCELL_UP, GSE14699_NAIVE_VS_ACT_CD8_TCELL_UP
                                                                                            GSE1460_DP_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN, GSE1460_DP_THYMOCYTE_VS_THYMIC_STROMAL_CELL_DN
                                                                                            GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_1H_UP, GSE4748_CTRL_VS_CYANOBACTERIUM_LPSLIKE_STIM_DC_1H_UP
                                                                                            GSE3982_BASOPHIL_VS_NKCELL_UP, GSE3982_BASOPHIL_VS_NKCELL_UP
                                                                                            GSE21546_UNSTIM_VS_ANTI_CD3_STIM_SAP1A_KO_DP_THYMOCYTES_UP, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_SAP1A_KO_DP_THYMOCYTES_UP
                                                                                            LTE2 UP.V1 UP, LTE2 UP.V1 UP
                                                                                            PGF_UP.V1_UP, PGF_UP.V1_UP
                                                                                            GSE11961_PLASMA_CELL_DAY7_VS_MEMORY_BCELL_DAY40_UP, GSE11961_PLASMA_CELL_DAY7_VS_MEMORY_BCELL_DAY40_UP
                                                                                            GSE12366_PLASMA_CELL_VS_NAIVE_BCELL_UP, GSE12366_PLASMA_CELL_VS_NAIVE_BCELL_UP
                                                                                            GSE43863_LY6C_INT_CXCR5POS_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_UP, GSE43863_LY6C_INT_CXCR5POS_VS_LY6C_LOW_CXCR5NEG_EFFECTOR_CD4_TCELL_UP
                                                                                            MIR1253, MIR1253
                                                                                            GSE4748 CTRL VS LPS AND CYANOBACTERIUM LPSLIKE STIM DC 3H UP, GSE4748 CTRL VS LPS AND CYANOBACTERIUM LPSLIKE STIM DC 3H UP
                                                                                            MIR6512_3P, MIR6512_3P
                                                                                            GSE30962_PRIMARY_VS_SECONDARY_ACUTE_LCMV_INF_CD8_TCELL_DN, GSE30962_PRIMARY_VS_SECONDARY_ACUTE_LCMV_INF_CD8_TCELL_DN
                                                                                            MIR4713_5P, MIR4713_5P
                                                                                            GSE3982_NEUTROPHIL_VS_BASOPHIL_UP, GSE3982_NEUTROPHIL_VS_BASOPHIL_UP
                                                                                            AIZARANI_LIVER_C32_MVECS_3, AIZARANI_LIVER_C32_MVECS_3
                                                                                            MIR642A_3P_MIR642B_3P, MIR642A_3P_MIR642B_3P
                                                                                            REACTOME_SIGNALING_BY_VEGF, REACTOME_SIGNALING_BY_VEGF
                                                                                            DELPUECH_FOXO3_TARGETS_UP, DELPUECH_FOXO3_TARGETS_UP
                                                                                            GSE39864_WT_VS_GATA3_KO_TREG_UP, GSE39864_WT_VS_GATA3_KO_TREG_UP
                                                                                            JACKSON_DNMT1_TARGETS_UP, JACKSON_DNMT1_TARGETS_UP
                                                                                            ZHENG CORD BLOOD C4 PUTATIVE EARLY ERYTHROID COMMITMENT, ZHENG CORD BLOOD C4 PUTATIVE EARLY ERYTHROID COMMITMENT
                                                                                            GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_DN, GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_DN
                                                                                            MIR3135B, MIR3135B
                                                                                            MIR8065, MIR8065
                                                                                            GOBP_RESPONSE_TO_STARVATION, GOBP_RESPONSE_TO_STARVATION
                                                                                            ZAK PBMC MRKAD5 HIV 1 GAG POL NEF AGE 20 50YO 1DY ADDNL EXON LVL UP, ZAK PBMC MRKAD5 HIV 1 GAG POL NEF AGE 20 50YO 1DY ADDNL EXON LVL UP
                                                                                            MIR1197, MIR1197
                                                                                            HP MALABSORPTION, HP MALABSORPTION
                                                                                            GOBP_CELLULAR_RESPONSE_TO_STARVATION, GOBP_CELLULAR_RESPONSE_TO_STARVATION
                                                                                            BROWNE HCMV INFECTION 12HR UP, BROWNE HCMV INFECTION 12HR UP
                                                                                            MIR7152_3P, MIR7152_3P
                                                                                            GOBP_LIPOPROTEIN_BIOSYNTHETIC_PROCESS, GOBP_LIPOPROTEIN_BIOSYNTHETIC_PROCESS
                                                                                            ZHANG_TARGETS_OF_EWSR1_FLI1_FUSION, ZHANG_TARGETS_OF_EWSR1_FLI1_FUSION
                                                                                            PID FAK PATHWAY, PID FAK PATHWAY
                                                                                            REACTOME_MTOR_SIGNALLING, REACTOME_MTOR_SIGNALLING
                                                                                            GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_DN, GSE18281_SUBCAPSULAR_VS_PERIMEDULLARY_CORTICAL_REGION_OF_THYMUS_DN
                                                                                            ONDER_CDH1_SIGNALING_VIA_CTNNB1, ONDER_CDH1_SIGNALING_VIA_CTNNB1
                                                                                            NAKAYA MONOCYTE_FLUARIX_FLUVIRIN_AGE_18_50YO_7DY_UP, NAKAYA_MONOCYTE_FLUARIX_FLUVIRIN_AGE_18_50YO_7DY_UP
                                                                                            HP_STROKE, HP_STROKE
                                                                                            MIR5590_5P, MIR5590_5P
                                                                                            WP_AMPACTIVATED_PROTEIN_KINASE_AMPK_SIGNALING, WP_AMPACTIVATED_PROTEIN_KINASE_AMPK_SIGNALING
                                                                                            GOBP_EPHRIN_RECEPTOR_SIGNALING_PATHWAY, GOBP_EPHRIN_RECEPTOR_SIGNALING_PATHWAY
                                                                                            SASSON_RESPONSE_TO_GONADOTROPHINS_DN, SASSON_RESPONSE_TO_GONADOTROPHINS_DN
                                                                                            HALLMARK_ANDROGEN_RESPONSE, HALLMARK_ANDROGEN_RESPONSE
                                                                                            AKL_HTLV1_INFECTION_DN, AKL_HTLV1_INFECTION_DN
                                                                                            MIR3976, MIR3976
                                                                                            GSE5099_DAY3_VS_DAY7_MCSF_TREATED_MACROPHAGE_DN, GSE5099_DAY3_VS_DAY7_MCSF_TREATED_MACROPHAGE_DN
                                                                                            HP_MYOCARDIAL_INFARCTION, HP_MYOCARDIAL_INFARCTION
                                                                                            CCCNNNNNNAAGWT_UNKNOWN, CCCNNNNNNAAGWT_UNKNOWN
                                                                                            MIR4642, MIR4642
                                                                                            GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_IRF4_TRANSDUCED_ACTIVATED_CD4_TCELL_UP
                                                                                            GOBP_RESPONSE_TO_AMINO_ACID_STARVATION, GOBP_RESPONSE_TO_AMINO_ACID_STARVATION
                                                                                            HP_REDUNDANT_SKIN, HP_REDUNDANT_SKIN
                                                                                            PID_ECADHERIN_STABILIZATION_PATHWAY, PID_ECADHERIN_STABILIZATION_PATHWAY
                                                                                            GOBP_POSITIVE_REGULATION_OF_DENDRITIC_SPINE_DEVELOPMENT, GOBP_POSITIVE_REGULATION_OF_DENDRITIC_SPINE_DEVELOPMENT
                                                                                            MIR4790_3P, MIR4790_3P
                                                                                            GSE27670_CTRL_VS_BLIMP1_TRANSDUCED_GC_BCELL_UP, GSE27670_CTRL_VS_BLIMP1_TRANSDUCED_GC_BCELL_UP
                                                                                            HALLMARK_TGF_BETA_SIGNALING, HALLMARK_TGF_BETA_SIGNALING
                                                                                            WP_PHOSPHOINOSITIDES_METABOLISM, WP_PHOSPHOINOSITIDES_METABOLISM
                                                                                            GSE15930 STIM VS STIM AND TRICHOSTATINA 72H CD8 T CELL DN, GSE15930 STIM VS STIM AND TRICHOSTATINA 72H CD8 T CELL DN
                                                                                            GOBP_POSTSYNAPSE_ORGANIZATION, GOBP_POSTSYNAPSE_ORGANIZATION
                                                                                            BOYAULT_LIVER_CANCER_SUBCLASS_G6_UP, BOYAULT_LIVER_CANCER_SUBCLASS_G6_UP
                                                                                            ZNF34_TARGET_GENES, ZNF34_TARGET_GENES
                                                                                            GOBP_CELLULAR_RESPONSE_TO_GLUCOSE_STARVATION, GOBP_CELLULAR_RESPONSE_TO_GLUCOSE_STARVATION
                                                                                            GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_DN, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_DN
                                                                                            GOBP_REGULATION_OF_TORC1_SIGNALING, GOBP_REGULATION_OF_TORC1_SIGNALING
                                                                                            WP_INTERLEUKIN11_SIGNALING_PATHWAY, WP_INTERLEUKIN11_SIGNALING_PATHWAY
                                                                                            GOBP_TORC1_SIGNALING, GOBP_TORC1_SIGNALING
                                                                                            MIR7112 3P, MIR7112 3P
                                                                                            GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_72H_TSST_ACT_UP, GSE36476_YOUNG_VS_OLD_DONOR_MEMORY_CD4_TCELL_72H_TSST_ACT_UP
                                                                                            MIR3059_3P, MIR3059_3P
                                                                                            GOBP REGULATION OF PEPTIDYL THREONINE PHOSPHORYLATION, GOBP REGULATION OF PEPTIDYL THREONINE PHOSPHORYLATION
                                                                                            PID RHOA PATHWAY, PID RHOA PATHWAY
                                                                                            FOXJ2_01, FOXJ2_01
                                                                                            BRUECKNER_TARGETS_OF_MIRLET7A3_UP, BRUECKNER_TARGETS_OF_MIRLET7A3_UP
                                                                                            MIR145_3P, MIR145_3P
                                                                                            REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMPK, REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMPK
                                                                                            HP_SKELETAL_MUSCLE_HYPERTROPHY, HP_SKELETAL_MUSCLE_HYPERTROPHY
                                                                                            GOBP_PROTEIN_LOCALIZATION_TO_LYSOSOME, GOBP_PROTEIN_LOCALIZATION_TO_LYSOSOME
                                                                                            GOBP_SKELETAL_MUSCLE_ORGAN_DEVELOPMENT, GOBP_SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
                                                                                            GOBP_DETOXIFICATION, GOBP_DETOXIFICATION
                                                                                            REACTOME_FLT3_SIGNALING_IN_DISEASE, REACTOME_FLT3_SIGNALING_IN_DISEASE
                                                                                            DORSAM_HOXA9_TARGETS_UP, DORSAM_HOXA9_TARGETS_UP
                                                                                            HP_AVASCULAR_NECROSIS, HP_AVASCULAR_NECROSIS
                                                                                            ERWIN_COHEN_BLOOD_VACCINE_TC_83_AGE_23_48YO_VACCINATED_VS_CONTROL_2DY_DN, ERWIN_COHEN_BLOOD_VACCINE_TC_83_AGE_23_48YO_VACCINATED_VS_CONTROL_2DY_DN
                                                                                            BERNARD_PPAPDC1B_TARGETS_UP, BERNARD_PPAPDC1B_TARGETS_UP
                                                                                            HP_SEPSIS, HP_SEPSIS
                                                                                            GOBP_REGULATION_OF_PROTEIN_AUTOPHOSPHORYLATION, GOBP_REGULATION_OF_PROTEIN_AUTOPHOSPHORYLATION
                                                                                            HP_TISSUE_ISCHEMIA, HP_TISSUE_ISCHEMIA
                                                                                            GOBP_REGULATION_OF_G_PROTEIN_COUPLED_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_G_PROTEIN_COUPLED_RECEPTOR_SIGNALING_PATHWAY
                                                                                            GSE7218 UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGM_BCELL_DN, GSE7218_UNSTIM_VS_ANTIGEN_STIM_THROUGH_IGM_BCELL_DN
                                                                                            GOBP ENDOTHELIUM DEVELOPMENT, GOBP ENDOTHELIUM DEVELOPMENT
                                                                                            MEBARKI_HCC_PROGENITOR_WNT_UP_BLOCKED_BY_FZD8CRD, MEBARKI_HCC_PROGENITOR_WNT_UP_BLOCKED_BY_FZD8CRD
                                                                                            GOBP_PHOSPHATIDYLINOSITOL_PHOSPHORYLATION, GOBP_PHOSPHATIDYLINOSITOL_PHOSPHORYLATION
                                                                                            GOBP_POSITIVE_REGULATION_OF_DEVELOPMENTAL_GROWTH, GOBP_POSITIVE_REGULATION_OF_DEVELOPMENTAL_GROWTH
                                                                                            MIR648, MIR648
                                                                                            GOBP_NEGATIVE_REGULATION_OF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY
                                                                                            MIR18B_3P, MIR18B_3P
                                                                                            CHIBA_RESPONSE_TO_TSA, CHIBA_RESPONSE_TO_TSA
                                                                                            MIR657, MIR657
                                                                                            PID_TXA2PATHWAY, PID_TXA2PATHWAY
                                                                                            DESCARTES_FETAL_SPLEEN_ERYTHROBLASTS, DESCARTES_FETAL_SPLEEN_ERYTHROBLASTS
                                                                                            NEWMAN_ERCC6_TARGETS_UP, NEWMAN_ERCC6_TARGETS_UP
                                                                                            WESTON_VEGFA_TARGETS, WESTON_VEGFA_TARGETS
                                                                                            AMIT_EGF_RESPONSE_240_HELA, AMIT_EGF_RESPONSE_240_HELA
                                                                                            GOBP_RENAL_SYSTEM_VASCULATURE_DEVELOPMENT, GOBP_RENAL_SYSTEM_VASCULATURE_DEVELOPMENT
                                                                                            GSE15930_STIM_VS_STIM_AND_IL12_72H_CD8_T_CELL_DN, GSE15930_STIM_VS_STIM_AND_IL12_72H_CD8_T_CELL_DN
                                                                                            HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCYTE_UP, HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCYTE_UP
                                                                                            MIR3189_3P, MIR3189_3P
                                                                                            GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_RED_DN, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_RED_DN
                                                                                            GOBP_HOMOCYSTEINE_METABOLIC_PROCESS, GOBP_HOMOCYSTEINE_METABOLIC_PROCESS
                                                                                            HP_ABNORMALITY_OF_THE_TALUS, HP_ABNORMALITY_OF_THE_TALUS
                                                                                            PID_SYNDECAN_2_PATHWAY, PID_SYNDECAN_2_PATHWAY
                                                                                            HP_MACROGLOSSIA, HP_MACROGLOSSIA
                                                                                            GOBP_REGULATION_OF_CELLULAR_RESPONSE_TO_TRANSFORMING_GROWTH_FACTOR_BETA_STIMULUS, GOBP_REGULATION_OF_CELLULAR_RESPONSE_TO_TRANSFORMING_GROWTH_FACTOR_BETA_STIMULUS
                                                                                            GOMF_GROWTH_FACTOR_RECEPTOR_BINDING, GOMF_GROWTH_FACTOR_RECEPTOR_BINDING
                                                                                            FREAC4_01, FREAC4_01
                                                                                            GOBP_PEPTIDYL_L_CYSTEINE_S_PALMITOYLATION, GOBP_PEPTIDYL_L_CYSTEINE_S_PALMITOYLATION
                                                                                            GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_24H_CD8_T_CELL_UP, GSE15930_STIM_VS_STIM_AND_TRICHOSTATINA_24H_CD8_T_CELL_UP
                                                                                            GOBP_ESTABLISHMENT_OF_ENDOTHELIAL_BARRIER, GOBP_ESTABLISHMENT_OF_ENDOTHELIAL_BARRIER
                                                                                            GOBP_PROTEIN_LOCALIZATION_TO_CELL_CELL_JUNCTION, GOBP_PROTEIN_LOCALIZATION_TO_CELL_CELL_JUNCTION
                                                                                            PID_SYNDECAN_4_PATHWAY, PID_SYNDECAN_4_PATHWAY
                                                                                            GSE37301_LYMPHOID_PRIMED_MPP_VS_CD4_TCELL_UP, GSE37301_LYMPHOID_PRIMED_MPP_VS_CD4_TCELL_UP
VS_EFF_MEMORY_CD4_TCELL_UP, GSE3982_BASOPHIL_VS_EFF_MEMORY_CD4_TCELL_UP
                                                                                            GOBP_ENDOTHELIAL_CELL_DEVELOPMENT, GOBP_ENDOTHELIAL_CELL_DEVELOPMENT
                                                                                             GSE36078_UNTREATED_VS_AD5_INF_MOUSE_LUNG_DC_UP, GSE36078_UNTREATED_VS_AD5_INF_MOUSE_LUNG_DC_UP
                                                                                            RASHI_NFKB1_TARGETS, RASHI_NFKB1_TARGETS
                                                                                            DORN_ADENOVIRUS_INFECTION_24HR_DN, DORN_ADENOVIRUS_INFECTION_24HR_DN
                                                                                            HP_GASTROINTESTINAL_INFLAMMATION, HP_GASTROINTESTINAL_INFLAMMATION
                                                                                            LUI_THYROID_CANCER_CLUSTER_2, LUI_THYROID_CANCER_CLUSTER_2
                                                                                            GOMF_CHEMOKINE_ACTIVITY, GOMF_CHEMOKINE_ACTIVITY
                                                                                            WANG_RESPONSE_TO_ANDROGEN_UP, WANG_RESPONSE_TO_ANDROGEN_UP
                                                                                            HP_MASK_LIKE_FACIES, HP_MASK_LIKE_FACIES
                                                                                            GGCAGAC_MIR346, GGCAGAC_MIR346
                                                                                            REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS, REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS
                                                                                            ONDER_CDH1_TARGETS_3_DN, ONDER_CDH1_TARGETS_3_DN
                                                                                            GOBP_SERINE_FAMILY_AMINO_ACID_METABOLIC_PROCESS, GOBP_SERINE_FAMILY_AMINO_ACID_METABOLIC_PROCESS
                                                                                            HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_UP, HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_UP
                                                                                            RAY_ALZHEIMERS_DISEASE, RAY_ALZHEIMERS_DISEASE
                                                                                            TENEDINI_MEGAKARYOCYTE_MARKERS, TENEDINI_MEGAKARYOCYTE_MARKERS
                                                                                            GOBP_HISTONE_H3_K9_METHYLATION, GOBP_HISTONE_H3_K9_METHYLATION
                                                                                            GOBP_NEGATIVE_REGULATION_OF_AXONOGENESIS, GOBP_NEGATIVE_REGULATION_OF_AXONOGENESIS
                                                                                            GOBP_POSITIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_ACTIN_FILAMENT_BUNDLE_ASSEMBLY
                                                                                            GOBP_NEGATIVE_CHEMOTAXIS, GOBP_NEGATIVE_CHEMOTAXIS
                                                                                             REACTOME_SYNTHESIS_OF_PIPS_AT_THE_EARLY_ENDOSOME_MEMBRANE, REACTOME_SYNTHESIS_OF_PIPS_AT_THE_EARLY_ENDOSOME_MEMBRANE
                                                                                            GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_DN, GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_DN
                                                                                            NOJIMA_SFRP2_TARGETS_UP, NOJIMA_SFRP2_TARGETS_UP
                                                                                            TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_UP
                                                                                            REACTOME_NEPHRIN_FAMILY_INTERACTIONS, REACTOME_NEPHRIN_FAMILY_INTERACTIONS
                                                                                            GOBP_SALIVARY_GLAND_DEVELOPMENT, GOBP_SALIVARY_GLAND_DEVELOPMENT
                                                                                            MIR3614_3P, MIR3614_3P
                                                                                            MODULE_481, MODULE_481
                                                                                            BCAT_GDS748_DN, BCAT_GDS748_DN
                                                                                            HP_INFLAMMATION_OF_THE_LARGE_INTESTINE, HP_INFLAMMATION_OF_THE_LARGE_INTESTINE
                                                                                            GOBP_LAMELLIPODIUM_ASSEMBLY, GOBP_LAMELLIPODIUM_ASSEMBLY
                                                                                            GOBP REGULATION OF HOMOTYPIC CELL CELL ADHESION, GOBP REGULATION OF HOMOTYPIC CELL CELL ADHESION
                                                                                            MIR3943, MIR3943
                                                                                            MODULE_544, MODULE_544
                                                                                            GOBP_NEURON_PROJECTION_EXTENSION_INVOLVED_IN_NEURON_PROJECTION_GUIDANCE, GOBP_NEURON_PROJECTION_EXTENSION_INVOLVED_IN_NEURON_PROJECTION_GUIDANCE
                                                                                            HP_ADRENAL_HYPOPLASIA, HP_ADRENAL_HYPOPLASIA
                                                                                            GOBP_POSITIVE_REGULATION_OF_TORC1_SIGNALING, GOBP_POSITIVE_REGULATION_OF_TORC1_SIGNALING
                                                                                            PID_PDGFRA_PATHWAY, PID_PDGFRA_PATHWAY
                                                                                            GOBP_CYSTEINE_METABOLIC_PROCESS, GOBP_CYSTEINE_METABOLIC_PROCESS
                                                                                            GOMF_DIACYLGLYCEROL_BINDING, GOMF_DIACYLGLYCEROL_BINDING
                                                                                            REACTOME_BIOSYNTHESIS_OF_SPECIALIZED_PRORESOLVING_MEDIATORS_SPMS, REACTOME_BIOSYNTHESIS_OF_SPECIALIZED_PRORESOLVING_MEDIATORS_SPMS
                                                                                            GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_UP, GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_UP
                                                                                            MIR1262, MIR1262
                                                                                            GOMF_PHOSPHATIDYLINOSITOL_PHOSPHATE_PHOSPHATASE_ACTIVITY, GOMF_PHOSPHATIDYLINOSITOL_PHOSPHATE_PHOSPHATASE_ACTIVITY
                                                                                            GOBP_PHOSPHOLIPID_TRANSPORT, GOBP_PHOSPHOLIPID_TRANSPORT
                                                                                            GOBP NEGATIVE REGULATION OF AXON EXTENSION, GOBP NEGATIVE REGULATION OF AXON EXTENSION
                                                                                            MIR4701_3P, MIR4701_3P
                                                                                            MODULE_148, MODULE_148
                                                                                            REACTOME SEMA4D INDUCED CELL MIGRATION AND GROWTH CONE COLLAPSE, REACTOME SEMA4D INDUCED CELL MIGRATION AND GROWTH CONE COLLAPSE
                                                                                            GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLACK_UP, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLACK_UP
                                                                                            FERRARI_RESPONSE_TO_FENRETINIDE_UP, FERRARI_RESPONSE_TO_FENRETINIDE_UP
                                                                                            GOBP BRANCHING INVOLVED IN SALIVARY GLAND MORPHOGENESIS, GOBP BRANCHING INVOLVED IN SALIVARY GLAND MORPHOGENESIS
                                                                                            REACTOME_SIGNALING_BY_FLT3_ITD_AND_TKD_MUTANTS, REACTOME_SIGNALING_BY_FLT3_ITD_AND_TKD_MUTANTS
                                                                                            GOBP_RAB_PROTEIN_SIGNAL_TRANSDUCTION, GOBP_RAB_PROTEIN_SIGNAL_TRANSDUCTION
                                                                                            GOBP_NEGATIVE_REGULATION_OF_TRANSMEMBRANE_RECEPTOR_PROTEIN_SERINE_THREONINE_KINASE_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_TRANSMEMBRANE_RECEPTOR_PROTEIN_SERINE_THREONINE
                                                                                            HUPER_BREAST_BASAL_VS_LUMINAL_DN, HUPER_BREAST_BASAL_VS_LUMINAL_DN
                                                                                            BANDRES RESPONSE TO CARMUSTIN MGMT 24HR DN, BANDRES RESPONSE TO CARMUSTIN MGMT 24HR DN
                                                                                            REACTOME_EPHA_MEDIATED_GROWTH_CONE_COLLAPSE, REACTOME_EPHA_MEDIATED_GROWTH_CONE_COLLAPSE
                                                                                            GOBP_POSITIVE_REGULATION_OF_STRESS_FIBER_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_STRESS_FIBER_ASSEMBLY
                                                                                            GSE13411 NAIVE VS SWITCHED MEMORY BCELL UP, GSE13411 NAIVE VS SWITCHED MEMORY BCELL UP
                                                                                            GOBP_POSITIVE_REGULATION_OF_PEPTIDYL_THREONINE_PHOSPHORYLATION, GOBP_POSITIVE_REGULATION_OF_PEPTIDYL_THREONINE_PHOSPHORYLATION
                                                                                            WP_SARSCOV2_INNATE_IMMUNITY_EVASION_AND_CELLSPECIFIC_IMMUNE_RESPONSE, WP_SARSCOV2_INNATE_IMMUNITY_EVASION_AND_CELLSPECIFIC_IMMUNE_RESPONSE
                                                                                            REACTOME RHO GTPASES ACTIVATE ROCKS, REACTOME RHO GTPASES ACTIVATE ROCKS
                                                                                            MODULE_326, MODULE_326
                                                                                            MIR4296, MIR4296
                                                                                            WP_ALPHA_6_BETA_4_SIGNALING_PATHWAY, WP_ALPHA_6_BETA_4_SIGNALING_PATHWAY
                                                                                            ACCAATC_MIR509, ACCAATC_MIR509
                                                                                            MODULE_462, MODULE_462
                                                                                            HEDVAT_ELF4_TARGETS_UP, HEDVAT_ELF4_TARGETS_UP
                                                                                            REACTOME_PECAM1_INTERACTIONS, REACTOME_PECAM1_INTERACTIONS
                                                                                            GOBP_REGULATION_OF_POSTSYNAPSE_ORGANIZATION, GOBP_REGULATION_OF_POSTSYNAPSE_ORGANIZATION
                                                                                            GOMF_PHOSPHATIDYLINOSITOL_BISPHOSPHATE_PHOSPHATASE_ACTIVITY, GOMF_PHOSPHATIDYLINOSITOL_BISPHOSPHATE_PHOSPHATASE_ACTIVITY
                                                                                            KOBAYASHI_RESPONSE_TO_ROMIDEPSIN, KOBAYASHI_RESPONSE_TO_ROMIDEPSIN
                                                                                            MIR4483, MIR4483
                                                                                            MIR6736_5P, MIR6736_5P
                                                                                            TOMLINS_METASTASIS_DN, TOMLINS_METASTASIS_DN
                                                                                            GOBP_NEGATIVE_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_BIOSYNTHETIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_BIOSYNTHETIC_PROCESS
                                                                                            GAUCHER PBMC YF VAX STAMARIL UNKNOWN AGE 14DY DN, GAUCHER PBMC YF VAX STAMARIL UNKNOWN AGE 14DY DN
                                                                                            GOBP_NEGATIVE_REGULATION_OF_AXON_EXTENSION_INVOLVED_IN_AXON_GUIDANCE, GOBP_NEGATIVE_REGULATION_OF_AXON_EXTENSION_INVOLVED_IN_AXON_GUIDANCE
                                                                                            MIR3620_3P, MIR3620_3P
                                                                                            MIR8074, MIR8074
                                                                                            MEIS1AHOXA9_01, MEIS1AHOXA9_01
                                                                                            GOBP_PEPTIDYL_SERINE_AUTOPHOSPHORYLATION, GOBP_PEPTIDYL_SERINE_AUTOPHOSPHORYLATION
                                                                                            GOMF_PHOSPHATIDYLINOSITOL_3_5_BISPHOSPHATE_PHOSPHATASE_ACTIVITY, GOMF_PHOSPHATIDYLINOSITOL_3_5_BISPHOSPHATE_PHOSPHATASE_ACTIVITY
                                                                                            REACTOME_SERINE_BIOSYNTHESIS, REACTOME_SERINE_BIOSYNTHESIS
                                                                                            GOBP_CLEAVAGE_FURROW_FORMATION, GOBP_CLEAVAGE_FURROW_FORMATION
                                                                                            TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_NORMAL_UP, TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_NORMAL_UP
                                                                                            GOBP_RECEPTOR_RECYCLING, GOBP_RECEPTOR_RECYCLING
                                                                                            GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_YELLOW_DN, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_YELLOW_DN
                                                                                            YAMASHITA_LIVER_CANCER_STEM_CELL_UP, YAMASHITA_LIVER_CANCER_STEM_CELL_UP
                                                                                            WP_16P112_DISTAL_DELETION_SYNDROME, WP_16P112_DISTAL_DELETION_SYNDROME
                                                                                            WP_AIRWAY_SMOOTH_MUSCLE_CELL_CONTRACTION, WP_AIRWAY_SMOOTH_MUSCLE_CELL_CONTRACTION
                                                                                            MIR323B_5P, MIR323B_5P
                                                                                            MIR494_5P, MIR494_5P
                                                                                            GOBP_POSITIVE_REGULATION_OF_LAMELLIPODIUM_ASSEMBLY, GOBP_POSITIVE_REGULATION_OF_LAMELLIPODIUM_ASSEMBLY
                                                                                            RASHI_RESPONSE_TO_IONIZING_RADIATION_3, RASHI_RESPONSE_TO_IONIZING_RADIATION_3
                                                                                            HP_OVERFRIENDLINESS, HP_OVERFRIENDLINESS
                                                                                            GOBP_POSITIVE_REGULATION_OF_ORGAN_GROWTH, GOBP_POSITIVE_REGULATION_OF_ORGAN_GROWTH
                                                                                            PID_THROMBIN_PAR4_PATHWAY, PID_THROMBIN_PAR4_PATHWAY
                                                                                            MIR151A_3P, MIR151A_3P
                                                                                            GOBP_PHOSPHATIDYLINOSITOL_3_PHOSPHATE_BIOSYNTHETIC_PROCESS, GOBP_PHOSPHATIDYLINOSITOL_3_PHOSPHATE_BIOSYNTHETIC_PROCESS
                                                                                            CHIANG_LIVER_CANCER_SUBCLASS_INTERFERON_UP, CHIANG_LIVER_CANCER_SUBCLASS_INTERFERON_UP
                                                                                            GOBP_POSITIVE_REGULATION_OF_LAMELLIPODIUM_ORGANIZATION, GOBP_POSITIVE_REGULATION_OF_LAMELLIPODIUM_ORGANIZATION
                                                                                            GOBP_POSITIVE_REGULATION_OF_HEART_GROWTH, GOBP_POSITIVE_REGULATION_OF_HEART_GROWTH
                                                                                            MIR6741_5P, MIR6741_5P
                                                                                            WP_GLYCEROPHOSPHOLIPID_BIOSYNTHETIC_PATHWAY, WP_GLYCEROPHOSPHOLIPID_BIOSYNTHETIC_PATHWAY
                                                                                            GOMF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC_SIGNALING_PATHWAY, GOMF_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY_INVOLVED_IN_APOPTOTIC_SIGNALING_PATHWAY
                                                                                            MATTHEWS_SKIN_CARCINOGENESIS_VIA_JUN, MATTHEWS_SKIN_CARCINOGENESIS_VIA_JUN
                                                                                            MIR410_5P, MIR410_5P
                                                                                            MIR5591_3P, MIR5591_3P
                                                                                            MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R_DN, MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R_DN
                                                                                            GOBP_REGULATION_OF_HISTONE_H3_K9_METHYLATION, GOBP_REGULATION_OF_HISTONE_H3_K9_METHYLATION
                                                                                            WANG_RESPONSE_TO_FORSKOLIN_UP, WANG_RESPONSE_TO_FORSKOLIN_UP
                                                                                            GOBP_DENDRITIC_CELL_DIFFERENTIATION, GOBP_DENDRITIC_CELL_DIFFERENTIATION
                                                                                            WP_PURINERGIC_SIGNALING, WP_PURINERGIC_SIGNALING
                                                                                            HP_FOOD_ALLERGY, HP_FOOD_ALLERGY
                                                                                            GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_EXOGENOUS_PEPTIDE_ANTIGEN_VIA_MHC_CLASS_I_TAP_INDEPENDENT, GOBP_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_EXOGENOUS_PEPTIDE_ANTIGEN_VIA_MH
                                                                                            GOCC_MHC_CLASS_I_PROTEIN_COMPLEX, GOCC_MHC_CLASS_I_PROTEIN_COMPLEX
                                                                                            WESTON_VEGFA_TARGETS_3HR, WESTON_VEGFA_TARGETS_3HR
                                                                                            BONOME_OVARIAN_CANCER_POOR_SURVIVAL_UP, BONOME_OVARIAN_CANCER_POOR_SURVIVAL_UP
                                                                                            HP_ABNORMAL_PLATELET_MORPHOLOGY, HP_ABNORMAL_PLATELET_MORPHOLOGY
                                                                                            OSADA_ASCL1_TARGETS_UP, OSADA_ASCL1_TARGETS_UP
                                                                                            CHIANG_LIVER_CANCER_SUBCLASS_POLYSOMY7_UP, CHIANG_LIVER_CANCER_SUBCLASS_POLYSOMY7_UP
                                                                                            PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_UP, PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_UP
                                                                                            GOMF_NUCLEOTIDE_RECEPTOR_ACTIVITY, GOMF_NUCLEOTIDE_RECEPTOR_ACTIVITY
                                                                                            MIR4507, MIR4507
                                                                                            GOBP_POSITIVE_REGULATION_OF_LIPASE_ACTIVITY, GOBP_POSITIVE_REGULATION_OF_LIPASE_ACTIVITY
                                                                                            GOBP_LONG_TERM_MEMORY, GOBP_LONG_TERM_MEMORY
                                                                                            TRAVAGLINI_LUNG_VASCULAR_SMOOTH_MUSCLE_CELL, TRAVAGLINI_LUNG_VASCULAR_SMOOTH_MUSCLE_CELL
                                                                                            GOMF_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_NAD_P_H_OXYGEN_AS_ACCEPTOR, GOMF_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_NAD_P_H_OXYGEN_AS_ACCEPTOR
                                                                                             ABDELMOHSEN_ELAVL4_TARGETS, ABDELMOHSEN_ELAVL4_TARGETS
                                                                                            HP_ABSENT_HYPOPLASTIC_PARANASAL_SINUSES, HP_ABSENT_HYPOPLASTIC_PARANASAL_SINUSES
                                                                                            GARCIA_PINERES_PBMC_HPV_16_L1_VLP_AGE_18_25YO_7MO_CORRELATED_WITH_ANTIBODY_RESPONSE_NEGATIVE, GARCIA_PINERES_PBMC_HPV_16_L1_VLP_AGE_18_25YO_7MO_CORRELATED_WITH_ANTIBODY_RESPONSE_NEGATIVE
                                                                                            WESTON_VEGFA_TARGETS_6HR, WESTON_VEGFA_TARGETS_6HR
                                                                                            GOBP_GLAND_MORPHOGENESIS, GOBP_GLAND_MORPHOGENESIS
                                                                                            MODULE_58, MODULE_58
                                                                                            REACTOME N GLYCAN ANTENNAE ELONGATION IN THE MEDIAL TRANS GOLGI, REACTOME N GLYCAN ANTENNAE ELONGATION IN THE MEDIAL TRANS GOLGI
                                                                                            PID_IL5_PATHWAY, PID_IL5_PATHWAY
                                                                                            BIOCARTA_CCR3_PATHWAY, BIOCARTA_CCR3_PATHWAY
                                                                                            REACTOME_REACTIONS_SPECIFIC_TO_THE_COMPLEX_N_GLYCAN_SYNTHESIS_PATHWAY, REACTOME_REACTIONS_SPECIFIC_TO_THE_COMPLEX_N_GLYCAN_SYNTHESIS_PATHWAY
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HOLLEMAN\_ASPARAGINASE\_RESISTANCE\_B\_ALL\_DN, HOLLEMAN\_ASPARAGINASE\_RESISTANCE\_B\_ALL\_DN

GSE19888 ADENOSINE A3R INH PRETREAT AND ACT BY A3R VS A3R INH AND TCELL MEMBRANES ACT MAST CELL UP, GSE19888 ADENOSINE A3R INH PRETREAT AND ACT BY A3R VS A3R INH AND TCELL MEMBRANES

SCHERER\_PBMC\_APSV\_WETVAX\_AGE\_18\_32YO\_50\_TO\_60DY\_UP, SCHERER\_PBMC\_APSV\_WETVAX\_AGE\_18\_32YO\_50\_TO\_60DY\_UP

GSE13411\_SWITCHED\_MEMORY\_BCELL\_VS\_PLASMA\_CELL\_UP, GSE13411\_SWITCHED\_MEMORY\_BCELL\_VS\_PLASMA\_CELL\_UP

GSE41176\_UNSTIM\_VS\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN, GSE41176\_UNSTIM\_VS\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN

GSE3982\_EOSINOPHIL\_VS\_BASOPHIL\_DN, GSE3982\_EOSINOPHIL\_VS\_BASOPHIL\_DN