```
GSE20152_SPHK1_KO_VS_WT_HTNFA_OVERXPRESS_ANKLE_DN, GSE20152_SPHK1_KO_VS_WT_HTNFA_OVERXPRESS_ANKLE_DN
                                                                                                           GSE21033 CTRL VS POLYIC STIM DC 3H UP, GSE21033 CTRL VS POLYIC STIM DC 3H UP
                                                                                                           GSE20152_SPHK1_KO_VS_HTNFA_OVEREXPRESS_ANKLE_DN, GSE20152_SPHK1_KO_VS_HTNFA_OVEREXPRESS_ANKLE_DN
                                                                                                           GSE20500 CTRL VS RETINOIC ACID TREATED CD4 TCELL UP, GSE20500 CTRL VS RETINOIC ACID TREATED CD4 TCELL UP
                                                                                                           GSE24814_STAT5_KO_VS_WT_PRE_BCELL_DN, GSE24814_STAT5_KO_VS_WT_PRE_BCELL_DN
                                                                                                           GSE22033_UNTREATED_VS_MRL24_TREATED_MEF_UP, GSE22033_UNTREATED_VS_MRL24_TREATED_MEF_UP
                                                                                                           GSE19401_RETINOIC_ACID_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN, GSE19401_RETINOIC_ACID_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN
                                                                                                           GSE3982_CTRL_VS_LPS_4H_MAC_UP, GSE3982_CTRL_VS_LPS_4H_MAC_UP
                                                                                                          GSE3982_BASOPHIL_VS_TH1_UP, GSE3982_BASOPHIL_VS_TH1_UP
                                                                                                          GSE3982_MAC_VS_BCELL_DN, GSE3982_MAC_VS_BCELL_DN
                                                                                                          GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MDC_DN, GSE29618_PRE_VS_DAY7_POST_LAIV_FLU_VACCINE_MDC_DN
                                                                                                          GOBP REGULATION OF CHROMATIN ORGANIZATION, GOBP REGULATION OF CHROMATIN ORGANIZATION
                                                                                                          GSE12845_IGD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL_DN, GSE12845_IGD_NEG_BLOOD_VS_NAIVE_TONSIL_BCELL_DN
                                                                                                          GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_UP, GSE7548_DAY7_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_UP
                                                                                                          GSE21546_WT_VS_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP, GSE21546_WT_VS_ELK1_KO_ANTI_CD3_STIM_DP_THYMOCYTES_UP
                                                                                                          GOBP_REGULATION_OF_HISTONE_MODIFICATION, GOBP_REGULATION_OF_HISTONE_MODIFICATION
                                                                                                          GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH2_UP, GSE3982_CENT_MEMORY_CD4_TCELL_VS_TH2_UP
                                                                                                          GSE19401_PAM2CSK4_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_UP, GSE19401_PAM2CSK4_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_UP
                                                                                                          GSE3982 BCELL VS BASOPHIL UP, GSE3982 BCELL VS BASOPHIL UP
                                                                                                          HP_ABNORMAL_CHOROID_MORPHOLOGY, HP_ABNORMAL_CHOROID_MORPHOLOGY
                                                                                                          HP_ABNORMALITY_OF_FEMALE_EXTERNAL_GENITALIA, HP_ABNORMALITY_OF_FEMALE_EXTERNAL_GENITALIA
                                                                                                          WP_ENDODERM_DIFFERENTIATION, WP_ENDODERM_DIFFERENTIATION
                                                                                                          HP_ABNORMAL_CHORIORETINAL_MORPHOLOGY, HP_ABNORMAL_CHORIORETINAL_MORPHOLOGY
                                                                                                          HP_ABNORMALITY_OF_THE_PYLORUS, HP_ABNORMALITY_OF_THE_PYLORUS
                                                                                                          HP_APLASIA_HYPOPLASIA_INVOLVING_BONES_OF_THE_THORAX, HP_APLASIA_HYPOPLASIA_INVOLVING_BONES_OF_THE_THORAX
                                                                                                          GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_DN, GSE3982_MAC_VS_EFF_MEMORY_CD4_TCELL_DN
                                                                                                          GSE3982_BASOPHIL_VS_NKCELL_DN, GSE3982_BASOPHIL_VS_NKCELL_DN
                                                                                                          HP_APLASIA_HYPOPLASIA_OF_THE_EYEBROW, HP_APLASIA_HYPOPLASIA_OF_THE_EYEBROW
                                                                                                          GOBP_DNA_REPLICATION_INITIATION, GOBP_DNA_REPLICATION_INITIATION
                                                                                                          WP_PATHWAYS_AFFECTED_IN_ADENOID_CYSTIC_CARCINOMA, WP_PATHWAYS_AFFECTED_IN_ADENOID_CYSTIC_CARCINOMA
                                                                                                          HP_SUBMUCOUS_CLEFT_OF_SOFT_AND_HARD_PALATE, HP_SUBMUCOUS_CLEFT_OF_SOFT_AND_HARD_PALATE
                                                                                                          MIR6499_3P, MIR6499_3P
                                                                                                          HP_DECREASED_FACIAL_EXPRESSION, HP_DECREASED_FACIAL_EXPRESSION
                                                                                                          HP_MICRODONTIA, HP_MICRODONTIA
                                                                                                          HP_PREAURICULAR_SKIN_TAG, HP_PREAURICULAR_SKIN_TAG
                                                                                                          GSE6269_E_COLI_VS_STREP_PNEUMO_INF_PBMC_UP, GSE6269_E_COLI_VS_STREP_PNEUMO_INF_PBMC_UP
                                                                                                          MIR3911, MIR3911
                                                                                                          HP_CONGENITAL_HIP_DISLOCATION, HP_CONGENITAL_HIP_DISLOCATION
                                                                                                          HP_SKIN_TAGS, HP_SKIN_TAGS
                                                                                                          MIR10401_5P, MIR10401_5P
                                                                                                         GOBP_REGULATION_OF_TORC1_SIGNALING, GOBP_REGULATION_OF_TORC1_SIGNALING
                                                                                                          HP AMENORRHEA, HP AMENORRHEA
                                                                                                         GOBP_NEGATIVE_REGULATION_OF_TOR_SIGNALING, GOBP_NEGATIVE_REGULATION_OF_TOR_SIGNALING
                                                                                                          MIR4790 3P, MIR4790 3P
                                                                                                          HP_ABNORMALITY_OF_THE_CLITORIS, HP_ABNORMALITY_OF_THE_CLITORIS
                                                                                                          HP_ABNORMAL_LABIA_MAJORA_MORPHOLOGY, HP_ABNORMAL_LABIA_MAJORA_MORPHOLOGY
                                                                                                          MIR106A_3P, MIR106A_3P
                                                                                                          GOBP_SOMATIC_DIVERSIFICATION_OF_IMMUNE_RECEPTORS, GOBP_SOMATIC_DIVERSIFICATION_OF_IMMUNE_RECEPTORS
                                                                                                          HP_HYPOPLASTIC_FEMALE_EXTERNAL_GENITALIA, HP_HYPOPLASTIC_FEMALE_EXTERNAL_GENITALIA
                                                                                                          GOBP PROTEIN TRANSMEMBRANE IMPORT INTO INTRACELLULAR ORGANELLE, GOBP PROTEIN TRANSMEMBRANE IMPORT INTO INTRACELLULAR ORGANELLE
                                                                                                          WP_INTERLEUKIN11_SIGNALING_PATHWAY, WP_INTERLEUKIN11_SIGNALING_PATHWAY
                                                                                                          HP_ABNORMALITY_OF_THE_COLUMELLA, HP_ABNORMALITY_OF_THE_COLUMELLA
                                                                                                          GOBP COLUMNAR CUBOIDAL EPITHELIAL CELL DEVELOPMENT, GOBP COLUMNAR CUBOIDAL EPITHELIAL CELL DEVELOPMENT
                                                                                                          MIR10525_3P, MIR10525_3P
                                                                                                          GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN, GSE1460_DP_THYMOCYTE_VS_NAIVE_CD4_TCELL_CORD_BLOOD_DN
                                                                                                          GOBP_DEMETHYLATION, GOBP_DEMETHYLATION
                                                                                                          HP_ABNORMAL_SIZE_OF_THE_CLITORIS, HP_ABNORMAL_SIZE_OF_THE_CLITORIS
                                                                                                          HP_ABNORMAL_NASOLACRIMAL_SYSTEM_MORPHOLOGY, HP_ABNORMAL_NASOLACRIMAL_SYSTEM_MORPHOLOGY
                                                                                                          HP_ABNORMAL_LABIA_MORPHOLOGY, HP_ABNORMAL_LABIA_MORPHOLOGY
                                                                                                          GOMF_DNA_POLYMERASE_ACTIVITY, GOMF_DNA_POLYMERASE_ACTIVITY
                                                                                                          GOBP_PROTEIN_DEMETHYLATION, GOBP_PROTEIN_DEMETHYLATION
                                                                                                          HP_ABNORMAL_LACTATE_DEHYDROGENASE_LEVEL, HP_ABNORMAL_LACTATE_DEHYDROGENASE_LEVEL
                                                                                                          HP_FLAT_OCCIPUT, HP_FLAT_OCCIPUT
                                                                                                          HP_HYPOPLASTIC_LABIA_MAJORA, HP_HYPOPLASTIC_LABIA_MAJORA
                                                                                                          MIR4774_3P, MIR4774_3P
                                                                                                          GOBP_SOMATIC_DIVERSIFICATION_OF_IMMUNOGLOBULINS, GOBP_SOMATIC_DIVERSIFICATION_OF_IMMUNOGLOBULINS
                                                                                                          MIR7106_3P, MIR7106_3P
                                                                                                          GOMF_PROTEIN_DEMETHYLASE_ACTIVITY, GOMF_PROTEIN_DEMETHYLASE_ACTIVITY
                                                                                                          GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_DN, GSE21546_UNSTIM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_DN
                                                                                                          HP_ABNORMALITY_OF_ADRENAL_PHYSIOLOGY, HP_ABNORMALITY_OF_ADRENAL_PHYSIOLOGY
                                                                                                          HP_PROFOUND_GLOBAL_DEVELOPMENTAL_DELAY, HP_PROFOUND_GLOBAL_DEVELOPMENTAL_DELAY
                                                                                                          GOCC_SAGA_TYPE_COMPLEX, GOCC_SAGA_TYPE_COMPLEX
                                                                                                          HP_APLASIA_HYPOPLASIA_OF_THE_CEREBRAL_WHITE_MATTER, HP_APLASIA_HYPOPLASIA_OF_THE_CEREBRAL_WHITE_MATTER
                                                                                                          CHEN_PDGF_TARGETS, CHEN_PDGF_TARGETS
                                                                                                          GOBP_MAST_CELL_ACTIVATION, GOBP_MAST_CELL_ACTIVATION
                                                                                                          HP ABNORMAL BLISTERING OF THE SKIN, HP ABNORMAL BLISTERING OF THE SKIN
                                                                                                          GOBP_INTESTINAL_EPITHELIAL_CELL_DIFFERENTIATION, GOBP_INTESTINAL_EPITHELIAL_CELL_DIFFERENTIATION
                                                                                                           BIOCARTA ATRBRCA PATHWAY, BIOCARTA ATRBRCA PATHWAY
                                                                                                          GOBP_GOLGI_TO_ENDOSOME_TRANSPORT, GOBP_GOLGI_TO_ENDOSOME_TRANSPORT
                                                                                                           HP_ABNORMAL_TISSUE_METABOLITE_CONCENTRATION, HP_ABNORMAL_TISSUE_METABOLITE_CONCENTRATION
                                                                                                          GOBP_FOLIC_ACID_CONTAINING_COMPOUND_METABOLIC_PROCESS, GOBP_FOLIC_ACID_CONTAINING_COMPOUND_METABOLIC_PROCESS
                                                                                                           GOMF_GROWTH_FACTOR_RECEPTOR_BINDING, GOMF_GROWTH_FACTOR_RECEPTOR_BINDING
                                                                                                           GOBP REGULATION OF MAST CELL ACTIVATION, GOBP REGULATION OF MAST CELL ACTIVATION
                                                                                                           MIR6731_3P, MIR6731_3P
                                                                                                          HP_PRIMARY_AMENORRHEA, HP_PRIMARY_AMENORRHEA
                                                                                                          HP_HIGH_ANTERIOR_HAIRLINE, HP_HIGH_ANTERIOR_HAIRLINE
                                                                                                          GOBP RESPONSE TO ANTIBIOTIC, GOBP RESPONSE TO ANTIBIOTIC
                                                                                                          GOCC_PERICENTRIOLAR_MATERIAL, GOCC_PERICENTRIOLAR_MATERIAL
                                                                                                          MIR144_5P, MIR144_5P
                                                                                                           GOBP_INTESTINAL_EPITHELIAL_CELL_DEVELOPMENT, GOBP_INTESTINAL_EPITHELIAL_CELL_DEVELOPMENT
                                                                                                           GOBP_NEGATIVE_REGULATION_OF_HISTONE_MODIFICATION, GOBP_NEGATIVE_REGULATION_OF_HISTONE_MODIFICATION
                                                                                                           MIR101 5P, MIR101 5P
                                                                                                          WIKMAN_ASBESTOS_LUNG_CANCER_DN, WIKMAN_ASBESTOS_LUNG_CANCER_DN
                                                                                                           RASHI_RESPONSE_TO_IONIZING_RADIATION_3, RASHI_RESPONSE_TO_IONIZING_RADIATION_3
                                                                                                           HP_ADRENAL_INSUFFICIENCY, HP_ADRENAL_INSUFFICIENCY
                                                                                                           HP_MALE_REPRODUCTIVE_SYSTEM_NEOPLASM, HP_MALE_REPRODUCTIVE_SYSTEM_NEOPLASM
                                                                                                           MIR5687, MIR5687
                                                                                                           MED16_TARGET_GENES, MED16_TARGET_GENES
                                                                                                          HP_PULMONARY_HEMORRHAGE, HP_PULMONARY_HEMORRHAGE
                                                                                                          HP_EPISPADIAS, HP_EPISPADIAS
                                                                                                           HP_HYPERVENTILATION, HP_HYPERVENTILATION
                                                                                                           HP_ABNORMAL_RENAL_COLLECTING_SYSTEM_MORPHOLOGY, HP_ABNORMAL_RENAL_COLLECTING_SYSTEM_MORPHOLOGY
                                                                                                          GOMF_PHOSPHATIDYLINOSITOL_4_PHOSPHATE_BINDING, GOMF_PHOSPHATIDYLINOSITOL_4_PHOSPHATE_BINDING
                                                                                                          HP CLITORAL HYPOPLASIA, HP CLITORAL HYPOPLASIA
_VS_UNTREATED_MOUSE_TREG_DN, GSE22527_ANTI_CD3_INVIVO_VS_UNTREATED_MOUSE_TREG_DN
                                                                                                          · WP_NAD_METABOLISM_IN_ONCOGENEINDUCED_SENESCENCE_AND_MITOCHONDRIAL_DYSFUNCTIONASSOCIATED_SENESCENCE, WP_NAD_METABOLISM_IN_ONCOGENEINDUCED_SENESCENCE_AND_MITOCHONDRIAL_DYSFUNCTIONASSOCIATED_SENESCENCE
                                                                                                           GOMF_STRUCTURAL_CONSTITUENT_OF_CYTOSKELETON, GOMF_STRUCTURAL_CONSTITUENT_OF_CYTOSKELETON
                                                                                                           HP_SHORT_COLUMELLA, HP_SHORT_COLUMELLA
                                                                                                           PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_DN, PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_DN
                                                                                                           HP_ANOTIA, HP_ANOTIA
                                                                                                          SARTIPY_BLUNTED_BY_INSULIN_RESISTANCE_DN, SARTIPY_BLUNTED_BY_INSULIN_RESISTANCE_DN
                                                                                                           VANTVEER_BREAST_CANCER_METASTASIS_UP, VANTVEER_BREAST_CANCER_METASTASIS_UP
                                                                                                           GOBP_REGULATION_OF_HISTONE_UBIQUITINATION, GOBP_REGULATION_OF_HISTONE_UBIQUITINATION
                                                                                                           MIR3675_5P, MIR3675_5P
                                                                                                           HP_METRORRHAGIA, HP_METRORRHAGIA
                                                                                                           HP_ABNORMAL_LABIA_MINORA_MORPHOLOGY, HP_ABNORMAL_LABIA_MINORA_MORPHOLOGY
                                                                                                           GOMF_EPIDERMAL_GROWTH_FACTOR_RECEPTOR_BINDING, GOMF_EPIDERMAL_GROWTH_FACTOR_RECEPTOR_BINDING
                                                                                                          HP_APLASIA_HYPOPLASIA_OF_THE_BREASTS, HP_APLASIA_HYPOPLASIA_OF_THE_BREASTS
                                                                                                           GOBP_TETRAHYDROFOLATE_METABOLIC_PROCESS, GOBP_TETRAHYDROFOLATE_METABOLIC_PROCESS
                                                                                                           HP_INCREASED_LACTATE_DEHYDROGENASE_LEVEL, HP_INCREASED_LACTATE_DEHYDROGENASE_LEVEL
                                                                                                           MODULE_156, MODULE_156
                                                                                                           GOBERT_CORE_OLIGODENDROCYTE_DIFFERENTIATION, GOBERT_CORE_OLIGODENDROCYTE_DIFFERENTIATION
                                                                                                           HP_ABNORMALITY_OF_THE_PHALANGES_OF_THE_HALLUX, HP_ABNORMALITY_OF_THE_PHALANGES_OF_THE_HALLUX
                                                                                                           PARENT_MTOR_SIGNALING_DN, PARENT_MTOR_SIGNALING_DN
                                                                                                          HP_MANDIBULAR_APLASIA, HP_MANDIBULAR_APLASIA
                                                                                                          HP_BREAST_APLASIA, HP_BREAST_APLASIA
                                                                                                          HP_ABNORMALITY_OF_THE_DENTAL_ROOT, HP_ABNORMALITY_OF_THE_DENTAL_ROOT
                                                                                                          HP_CEREBRAL_WHITE_MATTER_HYPOPLASIA, HP_CEREBRAL_WHITE_MATTER_HYPOPLASIA
                                                                                                          MARIADASON_RESPONSE_TO_CURCUMIN_SULINDAC_7, MARIADASON_RESPONSE_TO_CURCUMIN_SULINDAC_7
                                                                                                          GRADE_COLON_VS_RECTAL_CANCER_DN, GRADE_COLON_VS_RECTAL_CANCER_DN
                                                                                                           MODULE_240, MODULE_240
                                                                                                          KEGG_ONE_CARBON_POOL_BY_FOLATE, KEGG_ONE_CARBON_POOL_BY_FOLATE
                                                                                                          GOBP_NEGATIVE_REGULATION_OF_DNA_BIOSYNTHETIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_DNA_BIOSYNTHETIC_PROCESS
                                                                                                          HP_ABNORMAL_CIRCULATING_LONG_CHAIN_FATTY_ACID_CONCENTRATION, HP_ABNORMAL_CIRCULATING_LONG_CHAIN_FATTY_ACID_CONCENTRATION
                                                                                                          HP_PATELLAR_APLASIA, HP_PATELLAR_APLASIA
                                                                                                          REACTOME_TRANSPORT_OF_VITAMINS_NUCLEOSIDES_AND_RELATED_MOLECULES, REACTOME_TRANSPORT_OF_VITAMINS_NUCLEOSIDES_AND_RELATED_MOLECULES
                                                                                                          SCHMAHL_PDGF_SIGNALING, SCHMAHL_PDGF_SIGNALING
                                                                                                          GOBP_MITOCHONDRIAL_RESPIRATORY_CHAIN_COMPLEX_III_ASSEMBLY, GOBP_MITOCHONDRIAL_RESPIRATORY_CHAIN_COMPLEX_III_ASSEMBLY
                                                                                                          HP_DEPRESSED_NASAL_TIP, HP_DEPRESSED_NASAL_TIP
                                                                                                          MIR1293, MIR1293
                                                                                                          HP_VERY_LONG_CHAIN_FATTY_ACID_ACCUMULATION, HP_VERY_LONG_CHAIN_FATTY_ACID_ACCUMULATION
                                                                                                          HP_DUPLICATED_COLLECTING_SYSTEM, HP_DUPLICATED_COLLECTING_SYSTEM
                                                                                                          GOBP_REGULATION_OF_CHROMATIN_BINDING, GOBP_REGULATION_OF_CHROMATIN_BINDING
                                                                                                          THILLAINADESAN_ZNF217_TARGETS_DN, THILLAINADESAN_ZNF217_TARGETS_DN
                                                                                                          GOBP_REGULATION_OF_MAST_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE, GOBP_REGULATION_OF_MAST_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE
                                                                                                          MORF ZNF10, MORF ZNF10
                                                                                                          LAMB_CCND1_TARGETS, LAMB_CCND1_TARGETS
                                                                                                          HP_ANNULAR_PANCREAS, HP_ANNULAR_PANCREAS
                                                                                                          HP_BREECH_PRESENTATION, HP_BREECH_PRESENTATION
                                                                                                          HP_ABNORMAL_DELIVERY, HP_ABNORMAL_DELIVERY
                                                                                                          MIR5191, MIR5191
                                                                                                          MODULE 313, MODULE 313
                                                                                                          GOBP_TRANS_SYNAPTIC_SIGNALING_MODULATING_SYNAPTIC_TRANSMISSION, GOBP_TRANS_SYNAPTIC_SIGNALING_MODULATING_SYNAPTIC_TRANSMISSION
                                                                                                          GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_1_UP, GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_1_UP
                                                                                                          HP HYPOPLASTIC LABIA MINORA, HP HYPOPLASTIC LABIA MINORA
                                                                                                          GOBP_PHOTORECEPTOR_CELL_DEVELOPMENT, GOBP_PHOTORECEPTOR_CELL_DEVELOPMENT
                                                                                                          MIR6800 3P, MIR6800 3P
                                                                                                          HP_ABNORMAL_PLATELET_MORPHOLOGY, HP_ABNORMAL_PLATELET_MORPHOLOGY
                                                                                                          HP MISSING RIBS, HP MISSING RIBS
                                                                                                          GOBP NEGATIVE REGULATION OF ATP METABOLIC PROCESS, GOBP NEGATIVE REGULATION OF ATP METABOLIC PROCESS
                                                                                                          MORF_DCC, MORF_DCC
                                                                                                          GOMF CHROMATIN INSULATOR SEQUENCE BINDING, GOMF CHROMATIN INSULATOR SEQUENCE BINDING
                                                                                                          GOCC_MLL3_4_COMPLEX, GOCC_MLL3_4_COMPLEX
                                                                                                          HP_BELL_SHAPED_THORAX, HP_BELL_SHAPED_THORAX
                                                                                                          HOFT_CD4_POSITIVE_ALPHA_BETA_MEMORY_T_CELL_BCG_VACCINE_AGE_18_45YO_56D_TOP_100_DEG_AFTER_IN_VITRO_RE_STIMULATION_UP, HOFT_CD4_POSITIVE_ALPHA_BETA_MEMORY_T_CELL_BCG_VACCINE_AGE_18_45YO_56D_TOP_100_DEG_AFTER_IN_VI
                                                                                                          GOBP_CORTICOSTEROID_RECEPTOR_SIGNALING_PATHWAY, GOBP_CORTICOSTEROID_RECEPTOR_SIGNALING_PATHWAY
                                                                                                          HP_BRUSHFIELD_SPOTS, HP_BRUSHFIELD_SPOTS
                                                                                                          GOBP_FOLIC_ACID_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS, GOBP_FOLIC_ACID_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS
                                                                                                          GOBP_MITOCHONDRIAL_RESPIRASOME_ASSEMBLY, GOBP_MITOCHONDRIAL_RESPIRASOME_ASSEMBLY
                                                                                                          OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_DN, OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_DN
                                                                                                          HP_ABNORMAL_LEVELS_OF_ALPHA_FETOPROTEIN, HP_ABNORMAL_LEVELS_OF_ALPHA_FETOPROTEIN
                                                                                                          MODULE_131, MODULE_131
                                                                                                          MIR3189_5P, MIR3189_5P
                                                                                                          WP_BENZOAPYRENE_METABOLISM, WP_BENZOAPYRENE_METABOLISM
                                                                                                          HP_BIFID_RIBS, HP_BIFID_RIBS
                                                                                                          HP_INCREASED_CEREBRAL_LIPOFUSCIN, HP_INCREASED_CEREBRAL_LIPOFUSCIN
                                                                                                          GOBP_NEGATIVE_REGULATION_OF_POSTTRANSCRIPTIONAL_GENE_SILENCING, GOBP_NEGATIVE_REGULATION_OF_POSTTRANSCRIPTIONAL_GENE_SILENCING
                                                                                                          GOBP_POSITIVE_REGULATION_OF_PROTEIN_SUMOYLATION, GOBP_POSITIVE_REGULATION_OF_PROTEIN_SUMOYLATION
                                                                                                          MODULE_547, MODULE_547
                                                                                                          GOBP_CADMIUM_ION_TRANSMEMBRANE_TRANSPORT, GOBP_CADMIUM_ION_TRANSMEMBRANE_TRANSPORT
                                                                                                          GOBP NEGATIVE REGULATION OF BIOMINERALIZATION, GOBP NEGATIVE REGULATION OF BIOMINERALIZATION
                                                                                                          GOBP_PLASMA_MEMBRANE_TO_ENDOSOME_TRANSPORT, GOBP_PLASMA_MEMBRANE_TO_ENDOSOME_TRANSPORT
                                                                                                          GOCC BBSOME, GOCC BBSOME
                                                                                                          SHIRAISHI_PLZF_TARGETS_UP, SHIRAISHI_PLZF_TARGETS_UP
                                                                                                          HP JOINT CONTRACTURE OF THE 5TH FINGER, HP JOINT CONTRACTURE OF THE 5TH FINGER
                                                                                                          GOCC TORC2 COMPLEX, GOCC TORC2 COMPLEX
                                                                                                          GOBP_NEGATIVE_REGULATION_OF_INTERFERON_BETA_PRODUCTION, GOBP_NEGATIVE_REGULATION_OF_INTERFERON_BETA_PRODUCTION
                                                                                                          GOBP_TETRAHYDROFOLATE_BIOSYNTHETIC_PROCESS, GOBP_TETRAHYDROFOLATE_BIOSYNTHETIC_PROCESS
                                                                                                          HP_MACRODONTIA_OF_PERMANENT_MAXILLARY_CENTRAL_INCISOR, HP_MACRODONTIA_OF_PERMANENT_MAXILLARY_CENTRAL_INCISOR
                                                                                                          HP_BRAIN_NEOPLASM, HP_BRAIN_NEOPLASM
                                                                                                          GOBP_EMBRYONIC_NEUROCRANIUM_MORPHOGENESIS, GOBP_EMBRYONIC_NEUROCRANIUM_MORPHOGENESIS
                                                                                                          GOBP_POSITIVE_REGULATION_OF_SKELETAL_MUSCLE_CELL_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_SKELETAL_MUSCLE_CELL_DIFFERENTIATION
                                                                                                          HP_CONGENITAL_BILATERAL_HIP_DISLOCATION, HP_CONGENITAL_BILATERAL_HIP_DISLOCATION
                                                                                                          GOBP_COLUMNAR_CUBOIDAL_EPITHELIAL_CELL_MATURATION, GOBP_COLUMNAR_CUBOIDAL_EPITHELIAL_CELL_MATURATION
                                                                                                          GOBP_HISTONE_H4_K12_ACETYLATION, GOBP_HISTONE_H4_K12_ACETYLATION
                                                                                                          GOMF_RIBOSOMAL_PROTEIN_S6_KINASE_ACTIVITY, GOMF_RIBOSOMAL_PROTEIN_S6_KINASE_ACTIVITY
                                                                                                          HP_FASTING_HYPOGLYCEMIA, HP_FASTING_HYPOGLYCEMIA
                                                                                                          GOMF_TRANSLATION_REPRESSOR_ACTIVITY_MRNA_REGULATORY_ELEMENT_BINDING, GOMF_TRANSLATION_REPRESSOR_ACTIVITY_MRNA_REGULATORY_ELEMENT_BINDING
                                                                                                          HP_ABNORMALITY_OF_THE_BRAINSTEM_WHITE_MATTER, HP_ABNORMALITY_OF_THE_BRAINSTEM_WHITE_MATTER
                                                                                                          GOBP_EYE_PHOTORECEPTOR_CELL_DEVELOPMENT, GOBP_EYE_PHOTORECEPTOR_CELL_DEVELOPMENT
                                                                                                          FARMER_BREAST_CANCER_CLUSTER_6, FARMER_BREAST_CANCER_CLUSTER_6
                                                                                                          GOBP_OVULATION_CYCLE_PROCESS, GOBP_OVULATION_CYCLE_PROCESS
                                                                                                          ZHONG_PFC_C2_THY1_POS_OPC, ZHONG_PFC_C2_THY1_POS_OPC
                                                                                                          GOCC_TOR_COMPLEX, GOCC_TOR_COMPLEX
                                                                                                          HP_APLASTIC_CLAVICLE, HP_APLASTIC_CLAVICLE
                                                                                                          GOBP_POSITIVE_REGULATION_OF_STEM_CELL_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_STEM_CELL_PROLIFERATION
                                                                                                          GOBP_REGULATION_OF_HEMATOPOIETIC_STEM_CELL_PROLIFERATION, GOBP_REGULATION_OF_HEMATOPOIETIC_STEM_CELL_PROLIFERATION
                                                                                                          GOBP_SNARE_COMPLEX_ASSEMBLY, GOBP_SNARE_COMPLEX_ASSEMBLY
                                                                                                           HP_ARTERIAL_THROMBOSIS, HP_ARTERIAL_THROMBOSIS
                                                                                                          GOBP_RESPONSE_TO_CISPLATIN, GOBP_RESPONSE_TO_CISPLATIN
                                                                                                           MATZUK_STEROIDOGENESIS, MATZUK_STEROIDOGENESIS
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GSE22033\_UNTREATED\_VS\_ROSIGLITAZONE\_TREATED\_MEF\_UP, GSE22033\_UNTREATED\_VS\_ROSIGLITAZONE\_TREATED\_MEF\_UP

GSE20500 CTRL VS RARA ANTAGONIST TREATED CD4 TCELL DN, GSE20500 CTRL VS RARA ANTAGONIST TREATED CD4 TCELL DN