```
GSE6090_UNSTIM_VS_DC_SIGN_STIM_DC_UP, GSE6090_UNSTIM_VS_DC_SIGN_STIM_DC_UP
GSE7509_UNSTIM_VS_TNFA_IL1B_IL6_PGE_STIM_DC_UP, GSE7509_UNSTIM_VS_TNFA_IL1B_IL6_PGE_STIM_DC_UP
GSE27241_WT_VS_RORGT_KO_TH17_POLARIZED_CD4_TCELL_DN, GSE27241_WT_VS_RORGT_KO_TH17_POLARIZED_CD4_TCELL_DN
GSE6259_DEC205_POS_DC_VS_CD8_TCELL_UP, GSE6259_DEC205_POS_DC_VS_CD8_TCELL_UP
GSE39152_BRAIN_VS_SPLEEN_CD103_NEG_MEMORY_CD8_TCELL_UP, GSE39152_BRAIN_VS_SPLEEN_CD103_NEG_MEMORY_CD8_TCELL_UP
GSE16385_MONOCYTE_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_DN, GSE16385_MONOCYTE_VS_12H_ROSIGLITAZONE_IL4_TREATED_MACROPHAGE_DN
GSE36891_POLYIC_TLR3_VS_PAM_TLR2_STIM_PERITONEAL_MACROPHAGE_DN, GSE36891_POLYIC_TLR3_VS_PAM_TLR2_STIM_PERITONEAL_MACROPHAGE_DN
GSE27896_HDAC6_KO_VS_WT_TREG_DN, GSE27896_HDAC6_KO_VS_WT_TREG_DN
GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_0.8H_UP, GSE1791_CTRL_VS_NEUROMEDINU_IN_T_CELL_LINE_0.8H_UP
GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_IL23A_TREATED_CD4_TCELL_UP, GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_IL23A_TREATED_CD4_TCELL_UP
GOBP REGULATION OF PHOSPHATASE ACTIVITY, GOBP REGULATION OF PHOSPHATASE ACTIVITY
KEGG_INSULIN_SIGNALING_PATHWAY, KEGG_INSULIN_SIGNALING_PATHWAY
MIR124_5P, MIR124_5P
PID_MET_PATHWAY, PID_MET_PATHWAY
MIR3135B, MIR3135B
HP_ABNORMALITY_OF_PERIAURICULAR_REGION, HP_ABNORMALITY_OF_PERIAURICULAR_REGION
ACTWSNACTNY_UNKNOWN, ACTWSNACTNY_UNKNOWN
GOCC_AZUROPHIL_GRANULE_MEMBRANE, GOCC_AZUROPHIL_GRANULE_MEMBRANE
CAIRO_LIVER_DEVELOPMENT_UP, CAIRO_LIVER_DEVELOPMENT_UP
GOMF_SNARE_BINDING, GOMF_SNARE_BINDING
 GOMF_PROTEIN_SERINE_THREONINE_PHOSPHATASE_ACTIVITY, GOMF_PROTEIN_SERINE_THREONINE_PHOSPHATASE_ACTIVITY
GSE6259_33D1_POS_DC_VS_CD8_TCELL_DN, GSE6259_33D1_POS_DC_VS_CD8_TCELL_DN
GSE6674_UNSTIM_VS_PL2_3_STIM_BCELL_UP, GSE6674_UNSTIM_VS_PL2_3_STIM_BCELL_UP
GOBP_EXOCYTIC_PROCESS, GOBP_EXOCYTIC_PROCESS
HP_ABNORMALITY_OF_THE_ACETABULUM, HP_ABNORMALITY_OF_THE_ACETABULUM
GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_MEMBRANE, GOBP_POSITIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_MEMBRANE
MIR4425, MIR4425
ZHAN_MULTIPLE_MYELOMA_CD2_DN, ZHAN_MULTIPLE_MYELOMA_CD2_DN
GOMF_SNAP_RECEPTOR_ACTIVITY, GOMF_SNAP_RECEPTOR_ACTIVITY
MIR4764_5P, MIR4764_5P
GOBP_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE, GOBP_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE
GOCC_SNARE_COMPLEX, GOCC_SNARE_COMPLEX
KEGG_ARGININE_AND_PROLINE_METABOLISM, KEGG_ARGININE_AND_PROLINE_METABOLISM
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION, KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION
MIR3120_5P, MIR3120_5P
WP_WNT_SIGNALING, WP_WNT_SIGNALING
 VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_DN, VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_DN
BIOCARTA_GPCR_PATHWAY, BIOCARTA_GPCR_PATHWAY
GOMF_SYNTAXIN_BINDING, GOMF_SYNTAXIN_BINDING
MIR12115, MIR12115
GOBP GOLGI TO PLASMA MEMBRANE PROTEIN TRANSPORT, GOBP GOLGI TO PLASMA MEMBRANE PROTEIN TRANSPORT
GOMF_HYDROLASE_ACTIVITY_ACTING_ON_CARBON_NITROGEN_BUT_NOT_PEPTIDE_BONDS_IN_LINEAR_AMIDES, GOMF_HYDROLASE_ACTIVITY_ACTING_ON_CARBON_NITROGEN_BUT_NOT_PEPT
HP_HYPERINTENSITY_OF_CEREBRAL_WHITE_MATTER_ON_MRI, HP_HYPERINTENSITY_OF_CEREBRAL_WHITE_MATTER_ON_MRI
 KEGG_FATTY_ACID_METABOLISM, KEGG_FATTY_ACID_METABOLISM
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
GOBP_FACE_DEVELOPMENT, GOBP_FACE_DEVELOPMENT
HP_ATROPHY_DEGENERATION_INVOLVING_THE_CORTICOSPINAL_TRACTS, HP_ATROPHY_DEGENERATION_INVOLVING_THE_CORTICOSPINAL_TRACTS
PID_AR_NONGENOMIC_PATHWAY, PID_AR_NONGENOMIC_PATHWAY
PID_S1P_S1P3_PATHWAY, PID_S1P_S1P3_PATHWAY
SAKAI_TUMOR_INFILTRATING_MONOCYTES_UP, SAKAI_TUMOR_INFILTRATING_MONOCYTES_UP
GOBP_TRABECULA_MORPHOGENESIS, GOBP_TRABECULA_MORPHOGENESIS
PID_ER_NONGENOMIC_PATHWAY, PID_ER_NONGENOMIC_PATHWAY
PID_SHP2_PATHWAY, PID_SHP2_PATHWAY
GOBP_REGULATION_OF_GOLGI_ORGANIZATION, GOBP_REGULATION_OF_GOLGI_ORGANIZATION
KAPOSI_LIVER_CANCER_MET_UP, KAPOSI_LIVER_CANCER_MET_UP
 NIKOLSKY_BREAST_CANCER_12Q13_Q21_AMPLICON, NIKOLSKY_BREAST_CANCER_12Q13_Q21_AMPLICON
PEPPER_CHRONIC_LYMPHOCYTIC_LEUKEMIA_UP, PEPPER_CHRONIC_LYMPHOCYTIC_LEUKEMIA_UP
BIOCARTA_RAB_PATHWAY, BIOCARTA_RAB_PATHWAY
WP_SIGNAL_TRANSDUCTION_OF_S1P_RECEPTOR, WP_SIGNAL_TRANSDUCTION_OF_S1P_RECEPTOR
GOBP_CALCIUM_ION_REGULATED_EXOCYTOSIS, GOBP_CALCIUM_ION_REGULATED_EXOCYTOSIS
GOBP_LOW_DENSITY_LIPOPROTEIN_RECEPTOR_PARTICLE_METABOLIC_PROCESS, GOBP_LOW_DENSITY_LIPOPROTEIN_RECEPTOR_PARTICLE_METABOLIC_PROCESS
WP_CANNABINOID_RECEPTOR_SIGNALING, WP_CANNABINOID_RECEPTOR_SIGNALING
PID_S1P_S1P1_PATHWAY, PID_S1P_S1P1_PATHWAY
BOYAULT_LIVER_CANCER_SUBCLASS_G3_DN, BOYAULT_LIVER_CANCER_SUBCLASS_G3_DN
GOBP_REGULATION_OF_VESICLE_SIZE, GOBP_REGULATION_OF_VESICLE_SIZE
HP_SPINAL_CORD_COMPRESSION, HP_SPINAL_CORD_COMPRESSION
STEGER_ADIPOGENESIS_DN, STEGER_ADIPOGENESIS_DN
MODULE_440, MODULE_440
REACTOME_PHASE_I_FUNCTIONALIZATION_OF_COMPOUNDS, REACTOME_PHASE_I_FUNCTIONALIZATION_OF_COMPOUNDS
REACTOME_CLEC7A_DECTIN_1_INDUCES_NFAT_ACTIVATION, REACTOME_CLEC7A_DECTIN_1_INDUCES_NFAT_ACTIVATION
HP_BROAD_METACARPALS, HP_BROAD_METACARPALS
TERAMOTO_OPN_TARGETS_CLUSTER_6, TERAMOTO_OPN_TARGETS_CLUSTER_6
MOOTHA_GLYCOGEN_METABOLISM, MOOTHA_GLYCOGEN_METABOLISM
WP_IL9_SIGNALING_PATHWAY, WP_IL9_SIGNALING_PATHWAY
GOBP_POSITIVE_REGULATION_OF_CELLULAR_CARBOHYDRATE_METABOLIC_PROCESS, GOBP_POSITIVE_REGULATION_OF_CELLULAR_CARBOHYDRATE_METABOLIC_PROCESS
GOCC_INTRINSIC_COMPONENT_OF_SYNAPTIC_VESICLE_MEMBRANE, GOCC_INTRINSIC_COMPONENT_OF_SYNAPTIC_VESICLE_MEMBRANE
WP_GABA_RECEPTOR_SIGNALING, WP_GABA_RECEPTOR_SIGNALING
BUSSLINGER_ESOPHAGEAL_LATE_SUPRABASAL_CELLS, BUSSLINGER_ESOPHAGEAL_LATE_SUPRABASAL_CELLS
GSE21033_3H_VS_12H_POLYIC_STIM_DC_DN, GSE21033_3H_VS_12H_POLYIC_STIM_DC_DN
ROZANOV MMP14 TARGETS DN, ROZANOV MMP14 TARGETS DN
HP_GOITER, HP_GOITER
PID_S1P_S1P4_PATHWAY, PID_S1P_S1P4_PATHWAY
HP_ABNORMAL_HEAD_MOVEMENTS, HP_ABNORMAL_HEAD_MOVEMENTS
GOCC_PSEUDOPODIUM, GOCC_PSEUDOPODIUM
GOBP_TRACHEA_MORPHOGENESIS, GOBP_TRACHEA_MORPHOGENESIS
HP_OROFACIAL_DYSKINESIA, HP_OROFACIAL_DYSKINESIA
DARWICHE_PAPILLOMA_PROGRESSION_RISK, DARWICHE_PAPILLOMA_PROGRESSION_RISK
GOMF_MHC_CLASS_IB_PROTEIN_BINDING, GOMF_MHC_CLASS_IB_PROTEIN_BINDING
WP_FGFR3_SIGNALLING_IN_CHONDROCYTE_PROLIFERATION_AND_TERMINAL_DIFFERENTIATION, WP_FGFR3_SIGNALLING_IN_CHONDROCYTE_PROLIFERATION_AND_TERMINAL_DIFFERENTIATION
WP_NO_METABOLISM_IN_CYSTIC_FIBROSIS, WP_NO_METABOLISM_IN_CYSTIC_FIBROSIS
```

GOBP\_THYROID\_GLAND\_DEVELOPMENT, GOBP\_THYROID\_GLAND\_DEVELOPMENT

WANG\_RESPONSE\_TO\_BEXAROTENE\_UP, WANG\_RESPONSE\_TO\_BEXAROTENE\_UP

FRASOR\_TAMOXIFEN\_RESPONSE\_DN, FRASOR\_TAMOXIFEN\_RESPONSE\_DN

ZHAN\_MULTIPLE\_MYELOMA\_DN, ZHAN\_MULTIPLE\_MYELOMA\_DN

GOMF\_SYNTAXIN\_1\_BINDING, GOMF\_SYNTAXIN\_1\_BINDING

HP\_BRONCHOMALACIA, HP\_BRONCHOMALACIA

HP\_LYMPHANGIOMA, HP\_LYMPHANGIOMA

GOBP\_POSITIVE\_REGULATION\_OF\_GLUCOSE\_METABOLIC\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_GLUCOSE\_METABOLIC\_PROCESS

GOBP\_NEGATIVE\_REGULATION\_OF\_REGULATED\_SECRETORY\_PATHWAY, GOBP\_NEGATIVE\_REGULATION\_OF\_REGULATED\_SECRETORY\_PATHWAY

HP\_MORPHOLOGICAL\_ABNORMALITY\_OF\_THE\_MIDDLE\_EAR, HP\_MORPHOLOGICAL\_ABNORMALITY\_OF\_THE\_MIDDLE\_EAR

TRAVAGLINI\_LUNG\_MYELOID\_DENDRITIC\_TYPE\_1\_CELL, TRAVAGLINI\_LUNG\_MYELOID\_DENDRITIC\_TYPE\_1\_CELL

GOBP\_NEUROTRANSMITTER\_RECEPTOR\_TRANSPORT, GOBP\_NEUROTRANSMITTER\_RECEPTOR\_TRANSPORT

GOBP\_COMMISSURAL\_NEURON\_AXON\_GUIDANCE, GOBP\_COMMISSURAL\_NEURON\_AXON\_GUIDANCE

BOYERINAS\_ONCOFETAL\_TARGETS\_OF\_LET7A1, BOYERINAS\_ONCOFETAL\_TARGETS\_OF\_LET7A1

```
B_VS_TNFA_IL1B_IL6_PGE_STIM_DC_UP, GSE7509_FCGRIIB_VS_TNFA_IL1B_IL6_PGE_STIM_DC_UP
```