```
GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_DN, GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_DN
GSE27786 LIN NEG VS NKCELL DN, GSE27786 LIN NEG VS NKCELL DN
GSE39820_CTRL_VS_TGFBETA1_IL6_CD4_TCELL_DN, GSE39820_CTRL_VS_TGFBETA1_IL6_CD4_TCELL_DN
GSE27786_CD4_TCELL_VS_NKCELL_DN, GSE27786_CD4_TCELL_VS_NKCELL_DN
GSE27786_NKCELL_VS_ERYTHROBLAST_UP, GSE27786_NKCELL_VS_ERYTHROBLAST_UP
GSE27786_ERYTHROBLAST_VS_NEUTROPHIL_DN, GSE27786_ERYTHROBLAST_VS_NEUTROPHIL_DN
GSE27786_NKCELL_VS_NKTCELL_UP, GSE27786_NKCELL_VS_NKTCELL_UP
GSE37605_C57BL6_VS_NOD_FOXP3_FUSION_GFP_TREG_DN, GSE37605_C57BL6_VS_NOD_FOXP3_FUSION_GFP_TREG_DN
GSE5503_LIVER_DC_VS_SPLEEN_DC_ACTIVATED_ALLOGENIC_TCELL_DN, GSE5503_LIVER_DC_VS_SPLEEN_DC_ACTIVATED_ALLOGENIC_TCELL_DN
GSE7831_1H_VS_4H_CPG_STIM_PDC_UP, GSE7831_1H_VS_4H_CPG_STIM_PDC_UP
GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN, GSE36826_WT_VS_IL1R_KO_SKIN_STAPH_AUREUS_INF_DN
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_DN, CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_DN
GSE17721_LPS_VS_CPG_12H_BMDC_UP, GSE17721_LPS_VS_CPG_12H_BMDC_UP
GSE30971_WBP7_HET_VS_KO_MACROPHAGE_UP, GSE30971_WBP7_HET_VS_KO_MACROPHAGE_UP
GSE18893_CTRL_VS_TNF_TREATED_TCONV_24H_DN, GSE18893_CTRL_VS_TNF_TREATED_TCONV_24H_DN
GSE27786_LIN_NEG_VS_MONO_MAC_DN, GSE27786_LIN_NEG_VS_MONO_MAC_DN
GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_PLASMA_CELL_DAY7_DN, GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_PLASMA_CELL_DAY7_DN
GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_STIM_DN, GSE25123_WT_VS_PPARG_KO_MACROPHAGE_IL4_STIM_DN
GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP, GSE42724_NAIVE_BCELL_VS_PLASMABLAST_UP
GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_4H_DN
GSE7460_CTRL_VS_FOXP3_OVEREXPR_TCONV_DN, GSE7460_CTRL_VS_FOXP3_OVEREXPR_TCONV_DN
GSE27786_CD4_TCELL_VS_MONO_MAC_DN, GSE27786_CD4_TCELL_VS_MONO_MAC_DN
GOBP_LYSOSOMAL_TRANSPORT, GOBP_LYSOSOMAL_TRANSPORT
GSE8621_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP, GSE8621_UNSTIM_VS_LPS_STIM_MACROPHAGE_UP
GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_MEMORY_BCELL_DAY40_DN, GSE11961_GERMINAL_CENTER_BCELL_DAY7_VS_MEMORY_BCELL_DAY40_DN
 MIR6884_5P, MIR6884_5P
GSE5542_IFNG_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN, GSE5542_IFNG_VS_IFNA_AND_IFNG_TREATED_EPITHELIAL_CELLS_24H_DN
 MIR485_5P, MIR485_5P
 GSE20366 CD103 POS VS NEG TREG KLRG1NEG DN, GSE20366 CD103 POS VS NEG TREG KLRG1NEG DN
 GSE2585_CTEC_VS_THYMIC_MACROPHAGE_DN, GSE2585_CTEC_VS_THYMIC_MACROPHAGE_DN
GSE37605_TREG_VS_TCONV_C57BL6_FOXP3_FUSION_GFP_DN, GSE37605_TREG_VS_TCONV_C57BL6_FOXP3_FUSION_GFP_DN
 GSE36078_WT_VS_IL1R_KO_LUNG_DC_UP, GSE36078_WT_VS_IL1R_KO_LUNG_DC_UP
GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN, GSE18791_UNSTIM_VS_NEWCATSLE_VIRUS_DC_10H_DN
MIR5698, MIR5698
GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_UP, GSE22611_MUTANT_NOD2_VS_CTRL_TRANSDUCED_HEK293T_CELL_UP
GOBP_POSITIVE_REGULATION_OF_AUTOPHAGY, GOBP_POSITIVE_REGULATION_OF_AUTOPHAGY
GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_DN, GSE3400_UNTREATED_VS_IFNB_TREATED_MEF_DN
HP_PECTUS_CARINATUM, HP_PECTUS_CARINATUM
GOBP_TUBE_FORMATION, GOBP_TUBE_FORMATION
GOBP_EPITHELIAL_TUBE_FORMATION, GOBP_EPITHELIAL_TUBE_FORMATION
ZHENG_CORD_BLOOD_C4_PUTATIVE_EARLY_ERYTHROID_COMMITMENT, ZHENG_CORD_BLOOD_C4_PUTATIVE_EARLY_ERYTHROID_COMMITMENT
GOBP_NEURAL_TUBE_FORMATION, GOBP_NEURAL_TUBE_FORMATION
MIR600, MIR600
MODULE_192, MODULE_192
GSE24492 LYVE NEG VS POS MACROPHAGE DN. GSE24492 LYVE NEG VS POS MACROPHAGE DN
MIR508_5P, MIR508_5P
FREAC4_01, FREAC4_01
LINDVALL IMMORTALIZED BY TERT UP, LINDVALL IMMORTALIZED BY TERT UP
MIR7113_3P, MIR7113_3P
MIR624_3P, MIR624_3P
GOCC_ENDOPLASMIC_RETICULUM_QUALITY_CONTROL_COMPARTMENT, GOCC_ENDOPLASMIC_RETICULUM_QUALITY_CONTROL_COMPARTMENT
HP ABNORMALITY OF THE ANKLES, HP ABNORMALITY OF THE ANKLES
MIR4682, MIR4682
GOBP_PRIMARY_NEURAL_TUBE_FORMATION, GOBP_PRIMARY_NEURAL_TUBE_FORMATION
HP ABNORMAL BILIARY TRACT MORPHOLOGY, HP ABNORMAL BILIARY TRACT MORPHOLOGY
SASSON_RESPONSE_TO_FORSKOLIN_DN, SASSON_RESPONSE_TO_FORSKOLIN_DN
DELASERNA_MYOD_TARGETS_UP, DELASERNA_MYOD_TARGETS_UP
GOBP_POSITIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION, GOBP_POSITIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION
GOBP_ENDOSOME_TO_LYSOSOME_TRANSPORT, GOBP_ENDOSOME_TO_LYSOSOME_TRANSPORT
GOCC_APICAL_JUNCTION_COMPLEX, GOCC_APICAL_JUNCTION_COMPLEX
MIR3928 5P, MIR3928 5P
MIR6806_3P, MIR6806_3P
HP_ENLARGED_THORAX, HP_ENLARGED_THORAX
HP_HYPOGONADOTROPIC_HYPOGONADISM, HP_HYPOGONADOTROPIC_HYPOGONADISM
GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP, GSE22025_UNTREATED_VS_TGFB1_AND_PROGESTERONE_TREATED_CD4_TCELL_UP
HP_THICKENED_HELICES, HP_THICKENED_HELICES
GOBP_ROOF_OF_MOUTH_DEVELOPMENT, GOBP_ROOF_OF_MOUTH_DEVELOPMENT
GOBP_BONE_DEVELOPMENT, GOBP_BONE_DEVELOPMENT
HP_CUTANEOUS_SYNDACTYLY, HP_CUTANEOUS_SYNDACTYLY
MIR4733_3P, MIR4733_3P
KEGG_DILATED_CARDIOMYOPATHY, KEGG_DILATED_CARDIOMYOPATHY
ISSAEVA_MLL2_TARGETS, ISSAEVA_MLL2_TARGETS
GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_3H_IFNG_STIM_DN, GSE1925_CTRL_VS_IFNG_PRIMED_MACROPHAGE_3H_IFNG_STIM_DN
PID_ARF6_TRAFFICKING_PATHWAY, PID_ARF6_TRAFFICKING_PATHWAY
GOBP_COMPLEMENT_ACTIVATION_ALTERNATIVE_PATHWAY, GOBP_COMPLEMENT_ACTIVATION_ALTERNATIVE_PATHWAY
GOBP_RESPONSE_TO_MISFOLDED_PROTEIN, GOBP_RESPONSE_TO_MISFOLDED_PROTEIN
MIR6798_5P, MIR6798_5P
SAGIV_CD24_TARGETS_DN, SAGIV_CD24_TARGETS_DN
BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_UP, BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_UP
PID_SYNDECAN_1_PATHWAY, PID_SYNDECAN_1_PATHWAY
GSE37301_HEMATOPOIETIC_STEM_CELL_VS_CD4_TCELL_DN, GSE37301_HEMATOPOIETIC_STEM_CELL_VS_CD4_TCELL_DN
 MIR10396B_5P, MIR10396B_5P
PID_SYNDECAN_4_PATHWAY, PID_SYNDECAN_4_PATHWAY
GOBP_DORSAL_VENTRAL_PATTERN_FORMATION, GOBP_DORSAL_VENTRAL_PATTERN_FORMATION
GOCC_CILIARY_MEMBRANE, GOCC_CILIARY_MEMBRANE
MODULE_382, MODULE_382
REACTOME_MET_PROMOTES_CELL_MOTILITY, REACTOME_MET_PROMOTES_CELL_MOTILITY
LI_WILMS_TUMOR, LI_WILMS_TUMOR
GOMF_GROWTH_FACTOR_ACTIVITY, GOMF_GROWTH_FACTOR_ACTIVITY
HP_ABNORMALITY_OF_EPIDERMAL_MORPHOLOGY, HP_ABNORMALITY_OF_EPIDERMAL_MORPHOLOGY
DESCARTES_FETAL_STOMACH_MESOTHELIAL_CELLS, DESCARTES_FETAL_STOMACH_MESOTHELIAL_CELLS
CORRE_MULTIPLE_MYELOMA_DN, CORRE_MULTIPLE_MYELOMA_DN
BREUHAHN_GROWTH_FACTOR_SIGNALING_IN_LIVER_CANCER, BREUHAHN_GROWTH_FACTOR_SIGNALING_IN_LIVER_CANCER
MIR663A, MIR663A
GOBP_NEGATIVE_REGULATION_OF_LIPID_BIOSYNTHETIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_LIPID_BIOSYNTHETIC_PROCESS
GOBP_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION_BY_REGULATION_OF_THE_RELEASE_OF_SEQUESTERED_CALCIUM_ION, GOBP_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION_BY_REGULATION_OF_THE_RELEASE_OF_SEQUESTERED_CALCIUM_ION, GOBP_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION_BY_REGULATION_OF_THE_RELEASE_OF_SEQUESTERED_CALCIUM_ION, GOBP_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION_BY_REGULATION_OF_THE_RELEASE_OF_SEQUESTERED_CALCIUM_ION, GOBP_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION_BY_REGULATION_OF_THE_RELEASE_OF_SEQUESTERED_CALCIUM_ION, GOBP_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION_BY_REGULATION_OF_THE_RELEASE_OF_SEQUESTERED_CALCIUM_ION, GOBP_REGULATION_OF_CARDIAC_MUSCLE_CONTRACTION_BY_REGULATION_OF_THE_RELEASE_OF_SEQUESTERED_CALCIUM_ION, GOBP_REGULATION_OF_THE_RELEASE_OF_SEQUESTERED_CALCIUM_ION, GOBP_REGULATION_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE_OF_THE_RELEASE
GOMF_CD4_RECEPTOR_BINDING, GOMF_CD4_RECEPTOR_BINDING
SHIRAISHI PLZF TARGETS UP, SHIRAISHI PLZF TARGETS UP
HP_GRAMMAR_SPECIFIC_SPEECH_DISORDER, HP_GRAMMAR_SPECIFIC_SPEECH_DISORDER
MIR1908 5P, MIR1908 5P
GOBP_MESENCHYMAL_EPITHELIAL_CELL_SIGNALING, GOBP_MESENCHYMAL_EPITHELIAL_CELL_SIGNALING
MIR6787_5P, MIR6787_5P
 UROSEVIC_RESPONSE_TO_IMIQUIMOD, UROSEVIC_RESPONSE_TO_IMIQUIMOD
GOBP_LUNG_GROWTH, GOBP_LUNG_GROWTH
GOBP_REGULATION_OF_PHOSPHOLIPID_BIOSYNTHETIC_PROCESS, GOBP_REGULATION_OF_PHOSPHOLIPID_BIOSYNTHETIC_PROCESS
WP_COMPLEMENT_ACTIVATION, WP_COMPLEMENT_ACTIVATION
HP_BILIARY_CIRRHOSIS, HP_BILIARY_CIRRHOSIS
GOBP_FEMALE_GENITALIA_DEVELOPMENT, GOBP_FEMALE_GENITALIA_DEVELOPMENT
GOBP_DRUG_TRANSPORT, GOBP_DRUG_TRANSPORT
LAKE_ADULT_KIDNEY_C1_EPITHELIAL_CELLS_UNASSIGNED, LAKE_ADULT_KIDNEY_C1_EPITHELIAL_CELLS_UNASSIGNED
GOBP_CELLULAR_RESPONSE_TO_PURINE_CONTAINING_COMPOUND, GOBP_CELLULAR_RESPONSE_TO_PURINE_CONTAINING_COMPOUND
GOBP_DRUG_TRANSMEMBRANE_TRANSPORT, GOBP_DRUG_TRANSMEMBRANE_TRANSPORT
HP_THORACIC_KYPHOSCOLIOSIS, HP_THORACIC_KYPHOSCOLIOSIS
GOBP_REGULATION_OF_T_HELPER_17_TYPE_IMMUNE_RESPONSE, GOBP_REGULATION_OF_T_HELPER_17_TYPE_IMMUNE_RESPONSE
MODULE 153, MODULE 153
VERRECCHIA_RESPONSE_TO_TGFB1_C6, VERRECCHIA_RESPONSE_TO_TGFB1_C6
GOBP_PHOSPHAGEN_METABOLIC_PROCESS, GOBP_PHOSPHAGEN_METABOLIC_PROCESS
GOBP_SOMATOSTATIN_SECRETION, GOBP_SOMATOSTATIN_SECRETION
GOBP_POSTSYNAPTIC_MEMBRANE_ASSEMBLY, GOBP_POSTSYNAPTIC_MEMBRANE_ASSEMBLY
HP_2_3_FINGER_SYNDACTYLY, HP_2_3_FINGER_SYNDACTYLY
GOBP_NEGATIVE_REGULATION_OF_GONADOTROPIN_SECRETION, GOBP_NEGATIVE_REGULATION_OF_GONADOTROPIN_SECRETION
GOMF_PHOSPHOTRANSFERASE_ACTIVITY_NITROGENOUS_GROUP_AS_ACCEPTOR, GOMF_PHOSPHOTRANSFERASE_ACTIVITY_NITROGENOUS_GROUP_AS_ACCEPTOR
HP_EPIDERMAL_ACANTHOSIS, HP_EPIDERMAL_ACANTHOSIS
```

GOMF CELL ADHESIVE PROTEIN BINDING INVOLVED IN BUNDLE OF HIS CELL PURKINJE MYOCYTE COMMUNICATION, GOMF CELL ADHESIVE PROTEIN BINDING INVOLVED IN BUNDLE OF HIS CELL PURKINJE MYOCYTE COM

HP\_MOLLUSCOID\_PSEUDOTUMORS, HP\_MOLLUSCOID\_PSEUDOTUMORS

GOCC\_HOST\_CELL\_PART, GOCC\_HOST\_CELL\_PART

MIR4638\_5P, MIR4638\_5P

GOBP\_THYROID\_HORMONE\_GENERATION, GOBP\_THYROID\_HORMONE\_GENERATION

HP\_PATCHY\_PALMOPLANTAR\_KERATODERMA, HP\_PATCHY\_PALMOPLANTAR\_KERATODERMA

8\_TCELL\_VS\_NKCELL\_DN, GSE27786\_CD8\_TCELL\_VS\_NKCELL\_DN