```
GSE27786_LSK_VS_ERYTHROBLAST_UP, GSE27786_LSK_VS_ERYTHROBLAST_UP
                                                                                                                               GSE25088_CTRL_VS_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DN, GSE25088_CTRL_VS_ROSIGLITAZONE_STIM_STAT6_KO_MACROPHAGE_DN
                                                                                                                                GSE17721_PAM3CSK4_VS_GADIQUIMOD_12H_BMDC_UP, GSE17721_PAM3CSK4_VS_GADIQUIMOD_12H_BMDC_UP
                                                                                                                                GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DAY10_UP, GSE25123_ROSIGLITAZONE_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DAY10_UP
                                                                                                                                GSE36392_TYPE_2_MYELOID_VS_MAC_IL25_TREATED_LUNG_DN, GSE36392_TYPE_2_MYELOID_VS_MAC_IL25_TREATED_LUNG_DN
                                                                                                                               GSE14308_TH1_VS_INDUCED_TREG_DN, GSE14308_TH1_VS_INDUCED_TREG_DN
                                                                                                                               GSE17721_LPS_VS_GARDIQUIMOD_12H_BMDC_DN, GSE17721_LPS_VS_GARDIQUIMOD_12H_BMDC_DN
                                                                                                                               FOSTER_KDM1A_TARGETS_DN, FOSTER_KDM1A_TARGETS_DN
                                                                                                                               GSE20198_IL12_IL18_VS_IFNA_TREATED_ACT_CD4_TCELL_UP, GSE20198_IL12_IL18_VS_IFNA_TREATED_ACT_CD4_TCELL_UP
                                                                                                                               GSE14308_TH17_VS_INDUCED_TREG_DN, GSE14308_TH17_VS_INDUCED_TREG_DN
                                                                                                                               GSE11961_MARGINAL_ZONE_BCELL_VS_PLASMA_CELL_DAY7_UP, GSE11961_MARGINAL_ZONE_BCELL_VS_PLASMA_CELL_DAY7_UP
                                                                                                                               GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_UP, GSE23308_CTRL_VS_CORTICOSTERONE_TREATED_MACROPHAGE_UP
                                                                                                                               HP_BULBOUS_NOSE, HP_BULBOUS_NOSE
                                                                                                                               GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_UP, GSE41176_WT_VS_TAK1_KO_ANTI_IGM_STIM_BCELL_3H_UP
                                                                                                                                MIR2278, MIR2278
                                                                                                                                GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_IL23A_TREATED_CD4_TCELL_DN, GSE39820_TGFBETA1_VS_TGFBETA3_IN_IL6_IL23A_TREATED_CD4_TCELL_DN
                                                                                                                               ZNF677_TARGET_GENES, ZNF677_TARGET_GENES
                                                                                                                               HP_AUTISM, HP_AUTISM
                                                                                                                               HP_OSTEOLYSIS, HP_OSTEOLYSIS
                                                                                                                               GSE13762_CTRL_VS_125_VITAMIND_DAY12_DC_DN, GSE13762_CTRL_VS_125_VITAMIND_DAY12_DC_DN
                                                                                                                               MIR1266_3P, MIR1266_3P
                                                                                                                               GOBP_CELL_AGING, GOBP_CELL_AGING
                                                                                                                               ZNF169_TARGET_GENES, ZNF169_TARGET_GENES
                                                                                                                                MODULE_303, MODULE_303
                                                                                                                                MIR6870_3P, MIR6870_3P
                                                                                                                                PRC2_SUZ12_UP.V1_DN, PRC2_SUZ12_UP.V1_DN
                                                                                                                                GSE27786_LIN_NEG_VS_ERYTHROBLAST_DN, GSE27786_LIN_NEG_VS_ERYTHROBLAST_DN
                                                                                                                                 GOBP_CELLULAR_SENESCENCE, GOBP_CELLULAR_SENESCENCE
                                                                                                                                MIR6751_5P, MIR6751_5P
                                                                                                                                GOBP_REGULATION_OF_MEMBRANE_LIPID_DISTRIBUTION, GOBP_REGULATION_OF_MEMBRANE_LIPID_DISTRIBUTION
                                                                                                                                 SPIRA_SMOKERS_LUNG_CANCER_DN, SPIRA_SMOKERS_LUNG_CANCER_DN
                                                                                                                                MIR6846_5P, MIR6846_5P
                                                                                                                                GOCC_PRP19_COMPLEX, GOCC_PRP19_COMPLEX
                                                                                                                                GSE27786_BCELL_VS_ERYTHROBLAST_DN, GSE27786_BCELL_VS_ERYTHROBLAST_DN
                                                                                                                                STARK_HYPPOCAMPUS_22Q11_DELETION_DN, STARK_HYPPOCAMPUS_22Q11_DELETION_DN
                                                                                                                                HP_RETINAL_ARTERIOLAR_TORTUOSITY, HP_RETINAL_ARTERIOLAR_TORTUOSITY
                                                                                                                                GOBP_VERY_LONG_CHAIN_FATTY_ACID_METABOLIC_PROCESS, GOBP_VERY_LONG_CHAIN_FATTY_ACID_METABOLIC_PROCESS
                                                                                                                                GOCC_POLE_PLASM, GOCC_POLE_PLASM
                                                                                                                                MIR6803_5P, MIR6803_5P
                                                                                                                              ✓ GOCC_GERM_CELL_NUCLEUS, GOCC_GERM_CELL_NUCLEUS
OSIGLITAZONE_STIM_MACROPHAGE_6H_UP, GSE16386_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_MACROPHAGE_6H_UP
                                                                                                                               - GNF2_MMP1, GNF2_MMP1
                                                                                                                                GOBP_FATTY_ACID_DERIVATIVE_BIOSYNTHETIC_PROCESS, GOBP_FATTY_ACID_DERIVATIVE_BIOSYNTHETIC_PROCESS
                                                                                                                               `WP_METAPATHWAY_BIOTRANSFORMATION_PHASE_I_AND_II, WP_METAPATHWAY_BIOTRANSFORMATION_PHASE_I_AND_II
                                                                                                                               REACTOME MISCELLANEOUS TRANSPORT AND BINDING EVENTS, REACTOME MISCELLANEOUS TRANSPORT AND BINDING EVENTS
                                                                                                                                GOCC PHAGOPHORE ASSEMBLY SITE MEMBRANE, GOCC PHAGOPHORE ASSEMBLY SITE MEMBRANE
                                                                                                                                HP_ABNORMAL_RIGHT_VENTRICLE_MORPHOLOGY, HP_ABNORMAL_RIGHT_VENTRICLE_MORPHOLOGY
                                                                                                                               GOCC_MALE_GERM_CELL_NUCLEUS, GOCC_MALE_GERM_CELL_NUCLEUS
                                                                                                                                GOBP_AUTOPHAGY_OF_NUCLEUS, GOBP_AUTOPHAGY_OF_NUCLEUS
                                                                                                                                GOMF_OLIGOPEPTIDE_BINDING, GOMF_OLIGOPEPTIDE_BINDING
                                                                                                                               HP_AORTIC_ARCH_ANEURYSM, HP_AORTIC_ARCH_ANEURYSM
                                                                                                                                GOBP_PYRIDINE_CONTAINING_COMPOUND_METABOLIC_PROCESS, GOBP_PYRIDINE_CONTAINING_COMPOUND_METABOLIC_PROCESS
                                                                                                                                GOCC_CYTOPLASMIC_UBIQUITIN_LIGASE_COMPLEX, GOCC_CYTOPLASMIC_UBIQUITIN_LIGASE_COMPLEX
                                                                                                                                REACTOME_GLUTATHIONE_CONJUGATION, REACTOME_GLUTATHIONE_CONJUGATION
                                                                                                                                WP_DOPAMINE_METABOLISM, WP_DOPAMINE_METABOLISM
                                                                                                                                GOBP_GLUTATHIONE_DERIVATIVE_METABOLIC_PROCESS, GOBP_GLUTATHIONE_DERIVATIVE_METABOLIC_PROCESS
                                                                                                                               HP_TRICUSPID_ATRESIA, HP_TRICUSPID_ATRESIA
                                                                                                                               GOBP_ESTROGEN_BIOSYNTHETIC_PROCESS, GOBP_ESTROGEN_BIOSYNTHETIC_PROCESS
                                                                                                                               HP_RIGHT_VENTRICULAR_HYPERTROPHY, HP_RIGHT_VENTRICULAR_HYPERTROPHY
                                                                                                                               GOMF_CARBONYL_REDUCTASE_NADPH_ACTIVITY, GOMF_CARBONYL_REDUCTASE_NADPH_ACTIVITY
                                                                                                                               GOCC_BRUSH_BORDER_MEMBRANE, GOCC_BRUSH_BORDER_MEMBRANE
                                                                                                                               GOBP_SEGMENTATION, GOBP_SEGMENTATION
                                                                                                                               GOMF_BETA_GLUCOSIDASE_ACTIVITY, GOMF_BETA_GLUCOSIDASE_ACTIVITY
                                                                                                                               GOBP_RESPONSE_TO_MANGANESE_ION, GOBP_RESPONSE_TO_MANGANESE_ION
                                                                                                                               GOBP_CEREBELLAR_PURKINJE_CELL_LAYER_DEVELOPMENT, GOBP_CEREBELLAR_PURKINJE_CELL_LAYER_DEVELOPMENT
                                                                                                                               HP_INCREASED_URINARY_NON_PROTEINOGENIC_AMINO_ACID_LEVEL, HP_INCREASED_URINARY_NON_PROTEINOGENIC_AMINO_ACID_LEVEL
                                                                                                                               REACTOME_VEGF_LIGAND_RECEPTOR_INTERACTIONS, REACTOME_VEGF_LIGAND_RECEPTOR_INTERACTIONS
                                                                                                                               GOBP_VITAMIN_K_METABOLIC_PROCESS, GOBP_VITAMIN_K_METABOLIC_PROCESS
                                                                                                                              GOBP_NEGATIVE_REGULATION_OF_NIK_NF_KAPPAB_SIGNALING, GOBP_NEGATIVE_REGULATION_OF_NIK_NF_KAPPAB_SIGNALING
                                                                                                                               GOCC_APICAL_CORTEX, GOCC_APICAL_CORTEX
                                                                                                                               SESTO_RESPONSE_TO_UV_C3, SESTO_RESPONSE_TO_UV_C3
                                                                                                                               GOBP_PYRIDINE_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS, GOBP_PYRIDINE_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS
                                                                                                                               REACTOME_SYNTHESIS_OF_PA, REACTOME_SYNTHESIS_OF_PA
                                                                                                                               GOBP_DOPAMINE_METABOLIC_PROCESS, GOBP_DOPAMINE_METABOLIC_PROCESS
                                                                                                                               SASAI_TARGETS_OF_CXCR6_AND_PTCH1_UP, SASAI_TARGETS_OF_CXCR6_AND_PTCH1_UP
                                                                                                                               GOBP_DETOXIFICATION_OF_NITROGEN_COMPOUND, GOBP_DETOXIFICATION_OF_NITROGEN_COMPOUND
                                                                                                                               GOMF_BENZODIAZEPINE_RECEPTOR_BINDING, GOMF_BENZODIAZEPINE_RECEPTOR_BINDING
                                                                                                                               GOBP_POSITIVE_REGULATION_OF_KERATINOCYTE_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_KERATINOCYTE_PROLIFERATION
                                                                                                                               GOBP_RESPONSE_TO_DISACCHARIDE, GOBP_RESPONSE_TO_DISACCHARIDE
                                                                                                                                GOBP_PROTEIN_TRANSPORT_TO_VACUOLE_INVOLVED_IN_UBIQUITIN_DEPENDENT_PROTEIN_CATABOLIC_PROCESS_VIA_THE_MULTIVESICULAR_BODY_SORTING_PATHWAY, GOBP_PROTEIN_TRANSPORT_TO_VACUOLE_INVOLVED_IN_UBIQUITIN_DEPENDENT_PROTEIN_CATABOLIC_PROCESS_VIA_THE_MULTIVESICULAR_BODY_SORTING_PATHWAY, GOBP_PROTEIN_TRANSPORT_TO_VACUOLE_INVOLVED_IN_UBIQUITIN_DEPENDENT_PROTEIN_CATABOLIC_PROCESS_VIA_THE_MULTIVESICULAR_BODY_SORTING_PATHWAY, GOBP_PROTEIN_TRANSPORT_TO_VACUOLE_INVOLVED_IN_UBIQUITIN_DEPENDENT_PROTEIN_CATABOLIC_PROCESS_VIA_THE_MU
                                                                                                                               GOMF_ESTRADIOL_17_BETA_DEHYDROGENASE_ACTIVITY, GOMF_ESTRADIOL_17_BETA_DEHYDROGENASE_ACTIVITY
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chr3q29, chr3q29

GSE16385 ROSIGLITAZONE IL4 VS ROSIGLITAZONE ALONE STIM MACROPHAGE DN, GSE16385 ROSIGLITAZONE IL4 VS ROSIGLITAZONE ALONE STIM MACROPHAGE DN