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GSE37301_LYMPHOID_PRIMED_MPP_VS_GRAN_MONO_PROGENITOR_DN, GSE37301_LYMPHOID_PRIMED_MPP_VS_GRAN_MONO_PROGENITOR_DN
                                                                                 GSE22033_UNTREATED_VS_MRL24_TREATED_MEF_UP, GSE22033_UNTREATED_VS_MRL24_TREATED_MEF_UP
                                                                                 GSE13484_UNSTIM_VS_3H_YF17D_VACCINE_STIM_PBMC_UP, GSE13484_UNSTIM_VS_3H_YF17D_VACCINE_STIM_PBMC_UP
                                                                                 GSE19401_RETINOIC_ACID_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOLLICULAR_DC_DN, GSE19401_RETINOIC_ACID_VS_RETINOIC_ACID_AND_PAM2CSK4_STIM_FOL
                                                                                 GSE1925_3H_VS_24H_IFNG_STIM_MACROPHAGE_DN, GSE1925_3H_VS_24H_IFNG_STIM_MACROPHAGE_DN
                                                                                 GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_UP, GSE40666_NAIVE_VS_EFFECTOR_CD8_TCELL_UP
                                                                                 GSE20152 HTNFA OVERXPRESS ANKLE VS CTRL SPHK1 KO ANKLE DN, GSE20152 HTNFA OVERXPRESS ANKLE VS CTRL SPHK1 KO ANKLE DN
                                                                                 GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_UP, GSE42021_CD24HI_VS_CD24INT_TCONV_THYMUS_UP
                                                                                 GSE8515_CTRL_VS_IL6_4H_STIM_MAC_UP, GSE8515_CTRL_VS_IL6_4H_STIM_MAC_UP
                                                                                 GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_MUT_TCONV_UP, GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_MUT_TCONV_UP
                                                                                 GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_1H_UP, GSE43955_TH0_VS_TGFB_IL6_TH17_ACT_CD4_TCELL_1H_UP
                                                                                  REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS, REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS
                                                                                 GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_DC_UP, GSE360_HIGH_VS_LOW_DOSE_B_MALAYI_DC_UP
                                                                                 CAGCCTC_MIR4855P, CAGCCTC_MIR4855P
                                                                                 GSE19401_PLN_VS_PEYERS_PATCH_FOLLICULAR_DC_UP, GSE19401_PLN_VS_PEYERS_PATCH_FOLLICULAR_DC_UP
                                                                                 GOBP REGULATION OF GENE SILENCING, GOBP REGULATION OF GENE SILENCING
                                                                                 GSE28783_ANTI_MIR33_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_UP, GSE28783_ANTI_MIR33_VS_UNTREATED_ATHEROSCLEROSIS_MACROPHAGE_UP
                                                                                 MIR661, MIR661
                                                                                 GOBP_REGULATION_OF_GENE_SILENCING_BY_RNA, GOBP_REGULATION_OF_GENE_SILENCING_BY_RNA
                                                                                 GOBP CELLULAR RESPONSE TO STEROID HORMONE STIMULUS, GOBP CELLULAR RESPONSE TO STEROID HORMONE STIMULUS
                                                                                 GSE3982_BASOPHIL_VS_NKCELL_DN, GSE3982_BASOPHIL_VS_NKCELL_DN
                                                                                 GOBP_MEGAKARYOCYTE_DIFFERENTIATION, GOBP_MEGAKARYOCYTE_DIFFERENTIATION
                                                                                 GSE18281_PERIMEDULLARY_CORTICAL_REGION_VS_WHOLE_MEDULLA_THYMUS_UP, GSE18281_PERIMEDULLARY_CORTICAL_REGION_VS_WHOLE_MEDULLA_THYMUS_
                                                                                 WP_DNA_DAMAGE_RESPONSE_ONLY_ATM_DEPENDENT, WP_DNA_DAMAGE_RESPONSE_ONLY_ATM_DEPENDENT
                                                                                 COBLL1_TARGET_GENES, COBLL1_TARGET_GENES
                                                                                 PRC2_EED_UP.V1_UP, PRC2_EED_UP.V1_UP
                                                                                 GOMF_HISTONE_METHYLTRANSFERASE_ACTIVITY, GOMF_HISTONE_METHYLTRANSFERASE_ACTIVITY
                                                                                 ESC_V6.5_UP_EARLY.V1_UP, ESC_V6.5_UP_EARLY.V1_UP
                                                                                 GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_UP, GSE15659_NAIVE_VS_PTPRC_NEG_CD4_TCELL_UP
                                                                                 GOBP_REGULATION_OF_PROTEIN_TARGETING, GOBP_REGULATION_OF_PROTEIN_TARGETING
                                                                                 MIR5193, MIR5193
                                                                                 MIR1233_5P, MIR1233_5P
                                                                                 MIR10401_5P, MIR10401_5P
                                                                                 MIR1343_5P, MIR1343_5P
                                                                                 MIR939_5P, MIR939_5P
                                                                                 REACTOME_TRANSCRIPTIONAL_REGULATION_BY_E2F6, REACTOME_TRANSCRIPTIONAL_REGULATION_BY_E2F6
VS POLYIC STIM DC 3H DN, GSE21033 CTRL VS POLYIC STIM DC 3H DN
                                                                                 MIR6837_3P, MIR6837_3P
                                                                                 GSE13306 TREG RA VS TCONV RA DN, GSE13306 TREG RA VS TCONV RA DN
                                                                                 GSE24972_WT_VS_IRF8_KO_SPLEEN_FOLLICULAR_BCELL_UP, GSE24972_WT_VS_IRF8_KO_SPLEEN_FOLLICULAR_BCELL_UP
                                                                                 WP_SYNAPTIC_SIGNALING_PATHWAYS_ASSOCIATED_WITH_AUTISM_SPECTRUM_DISORDER, WP_SYNAPTIC_SIGNALING_PATHWAYS_ASSOCIATED_WITH_AUTISM_SPE
                                                                                 GNF2_CDC27, GNF2_CDC27
                                                                                 LANDIS_ERBB2_BREAST_TUMORS_65_UP, LANDIS_ERBB2_BREAST_TUMORS_65_UP
                                                                                 MODULE_138, MODULE_138
                                                                                 HP ABNORMALITY ON PULMONARY FUNCTION TESTING, HP ABNORMALITY ON PULMONARY FUNCTION TESTING
                                                                                 KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_METABOLISM, KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_METABOLISM
                                                                                 GOBP_G0_TO_G1_TRANSITION, GOBP_G0_TO_G1_TRANSITION
                                                                                 HP_HYPOSMIA, HP_HYPOSMIA
                                                                                 GOBP_HIPPO_SIGNALING, GOBP_HIPPO_SIGNALING
                                                                                 HP_EPENDYMOMA, HP_EPENDYMOMA
                                                                                 WP_CONSTITUTIVE_ANDROSTANE_RECEPTOR_PATHWAY, WP_CONSTITUTIVE_ANDROSTANE_RECEPTOR_PATHWAY
                                                                                 REACTOME LISTERIA MONOCYTOGENES ENTRY INTO HOST CELLS, REACTOME LISTERIA MONOCYTOGENES ENTRY INTO HOST CELLS
                                                                                 GOMF_PROTEIN_PHOSPHATASE_2A_BINDING, GOMF_PROTEIN_PHOSPHATASE_2A_BINDING
                                                                                 FIGUEROA_AML_METHYLATION_CLUSTER_1_DN, FIGUEROA_AML_METHYLATION_CLUSTER_1_DN
                                                                                 HP_NEOPLASM_OF_THE_RESPIRATORY_SYSTEM, HP_NEOPLASM_OF_THE_RESPIRATORY_SYSTEM
                                                                                 REACTOME_INLB_MEDIATED_ENTRY_OF_LISTERIA_MONOCYTOGENES_INTO_HOST_CELL, REACTOME_INLB_MEDIATED_ENTRY_OF_LISTERIA_MONOCYTOGENES_INTO
                                                                                 WU_HBX_TARGETS_1_DN, WU_HBX_TARGETS_1_DN
                                                                                 GOBP_CORONARY_VASCULATURE_DEVELOPMENT, GOBP_CORONARY_VASCULATURE_DEVELOPMENT
                                                                                 ZIRN_TRETINOIN_RESPONSE_WT1_UP, ZIRN_TRETINOIN_RESPONSE_WT1_UP
                                                                                 GOBP_REGULATION_OF_INTRACELLULAR_ESTROGEN_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_INTRACELLULAR_ESTROGEN_RECEPTOR_SIGNALIN
                                                                                 DESCARTES_FETAL_PANCREAS_ERYTHROBLASTS, DESCARTES_FETAL_PANCREAS_ERYTHROBLASTS
                                                                                 REACTOME_CHAPERONE_MEDIATED_AUTOPHAGY, REACTOME_CHAPERONE_MEDIATED_AUTOPHAGY
                                                                                 PETROVA_PROX1_TARGETS_DN, PETROVA_PROX1_TARGETS_DN
                                                                                 REACTOME_GLUCAGON_SIGNALING_IN_METABOLIC_REGULATION, REACTOME_GLUCAGON_SIGNALING_IN_METABOLIC_REGULATION
                                                                                 WP_TYPE_I_COLLAGEN_SYNTHESIS_IN_THE_CONTEXT_OF_OSTEOGENESIS_IMPERFECTA, WP_TYPE_I_COLLAGEN_SYNTHESIS_IN_THE_CONTEXT_OF_OSTEOGENESIS_IM
                                                                                 GOBP_REGULATION_OF_STEM_CELL_POPULATION_MAINTENANCE, GOBP_REGULATION_OF_STEM_CELL_POPULATION_MAINTENANCE
                                                                                 GSE10463_CD40L_AND_VA347_VS_CD40L_IN_DC_DN, GSE10463_CD40L_AND_VA347_VS_CD40L_IN_DC_DN
                                                                                 GOMF_ANION_CATION_SYMPORTER_ACTIVITY, GOMF_ANION_CATION_SYMPORTER_ACTIVITY
                                                                                 GOBP_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CENTROSOME, GOBP_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CENTROSOME
                                                                                 MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_8, MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_8
                                                                                 HP_URETERAL_OBSTRUCTION, HP_URETERAL_OBSTRUCTION
                                                                                 GOMF_LAMIN_BINDING, GOMF_LAMIN_BINDING
                                                                                 GOBP_POSITIVE_REGULATION_OF_POSTTRANSCRIPTIONAL_GENE_SILENCING, GOBP_POSITIVE_REGULATION_OF_POSTTRANSCRIPTIONAL_GENE_SILENCING
                                                                                 REACTOME_ADENYLATE_CYCLASE_INHIBITORY_PATHWAY, REACTOME_ADENYLATE_CYCLASE_INHIBITORY_PATHWAY
                                                                                 REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM, REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM
                                                                                 GOBP_ACTIVATION_OF_PROTEIN_KINASE_A_ACTIVITY, GOBP_ACTIVATION_OF_PROTEIN_KINASE_A_ACTIVITY
                                                                                 HP_URETERAL_STENOSIS, HP_URETERAL_STENOSIS
                                                                                 BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_UP, BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_UP
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GSE20500\_CTRL\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_DN, GSE20500\_CTRL\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_DN

GSE20152\_SPHK1\_KO\_VS\_WT\_HTNFA\_OVERXPRESS\_ANKLE\_DN, GSE20152\_SPHK1\_KO\_VS\_WT\_HTNFA\_OVERXPRESS\_ANKLE\_DN

GSE22527\_ANTI\_CD3\_INVIVO\_VS\_UNTREATED\_MOUSE\_TREG\_DN, GSE22527\_ANTI\_CD3\_INVIVO\_VS\_UNTREATED\_MOUSE\_TREG\_DN

GSE22033\_UNTREATED\_VS\_ROSIGLITAZONE\_TREATED\_MEF\_UP, GSE22033\_UNTREATED\_VS\_ROSIGLITAZONE\_TREATED\_MEF\_UP

GSE20152\_SPHK1\_KO\_VS\_HTNFA\_OVEREXPRESS\_ANKLE\_DN, GSE20152\_SPHK1\_KO\_VS\_HTNFA\_OVEREXPRESS\_ANKLE\_DN

GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_3H\_UP, GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_3H\_UP