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GSE16385_IL4_VS_ROSIGLITAZONE_STIM_MACROPHAGE_UP, GSE16385_IL4_VS_ROSIGLITAZONE_STIM_MACROPHAGE_UP
                                                                                                                           GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUMOR_MONOCYTES_DN, GSE21927_SPLENIC_C26GM_TUMOROUS_VS_4T1_TUMOR_MONOCYTES_DN
                                                                                                                           GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_T425A_HEXON_INF_DN, GSE36078_WT_VS_IL1R_KO_LUNG_DC_AFTER_AD5_T425A_HEXON_INF_DN
                                                                                                                           GSE17974 CTRL VS ACT IL4 AND ANTI IL12 6H CD4 TCELL UP, GSE17974 CTRL VS ACT IL4 AND ANTI IL12 6H CD4 TCELL UP
                                                                                                                           LAKE_ADULT_KIDNEY_C15_CONNECTING_TUBULE, LAKE_ADULT_KIDNEY_C15_CONNECTING_TUBULE
                                                                                                                           GSE5589_LPS_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_DN, GSE5589_LPS_VS_LPS_AND_IL6_STIM_IL10_KO_MACROPHAGE_45MIN_DN
                                                                                                                           GSE20198_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_DN, GSE20198_UNTREATED_VS_IL12_TREATED_ACT_CD4_TCELL_DN
                                                                                                                           LAKE_ADULT_KIDNEY_C20_COLLECTING_DUCT_INTERCALATED_CELLS_TYPE_A_CORTEX, LAKE_ADULT_KIDNEY_C20_COLLECTING_DUCT_INTERCALATED_CELLS_TYPE_A_CORTEX
                                                                                                                           GSE19888_CTRL_VS_A3R_ACT_TREATED_MAST_CELL_PRETREATED_WITH_A3R_INH_DN, GSE19888_CTRL_VS_A3R_ACT_TREATED_MAST_CELL_PRETREATED_WITH_A3R_INH_DN
                                                                                                                           GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_ROSIGLITAZONE_AND_RARA_AGONIST_AM580_TREATED_DC_DN, GSE5679_PPARG_LIGAND_ROSIGLITAZONE_VS_ROSIGLITAZONE_AND_RARA_A
                                                                                                                           GSE45365_HEALTHY_VS_MCMV_INFECTION_BCELL_IFNAR_KO_DN, GSE45365_HEALTHY_VS_MCMV_INFECTION_BCELL_IFNAR_KO_DN
                                                                                                                           GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_2H_UP
                                                                                                                           LAKE_ADULT_KIDNEY_C11_THIN_ASCENDING_LIMB, LAKE_ADULT_KIDNEY_C11_THIN_ASCENDING_LIMB
                                                                                                                           GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP, GSE4590_LARGE_PRE_BCELL_VS_VPREB_POS_LARGE_PRE_BCELL_UP
                                                                                                                           GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_24H_DN, GSE2405_HEAT_KILLED_LYSATE_VS_LIVE_A_PHAGOCYTOPHILUM_STIM_NEUTROPHIL_24H_DN
                                                                                                                           GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_MUT_TCONV_UP, GSE7460_CTRL_VS_TGFB_TREATED_ACT_FOXP3_MUT_TCONV_UP
                                                                                                                           GSE21678_WT_VS_FOXO1_FOXO3_KO_TREG_UP, GSE21678_WT_VS_FOXO1_FOXO3_KO_TREG_UP
                                                                                                                           GSE22025_UNTREATED_VS_TGFB1_TREATED_CD4_TCELL_UP, GSE22025_UNTREATED_VS_TGFB1_TREATED_CD4_TCELL_UP
                                                                                                                           GOBP_PEROXISOME_ORGANIZATION, GOBP_PEROXISOME_ORGANIZATION
                                                                                                                           GSE5589_WT_VS_IL6_KO_LPS_STIM_MACROPHAGE_45MIN_DN, GSE5589_WT_VS_IL6_KO_LPS_STIM_MACROPHAGE_45MIN_DN
                                                                                                                           GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_DN, GSE42021_TCONV_PLN_VS_CD24HI_TCONV_THYMUS_DN
                                                                                                                           HP_CEREBRAL_CALCIFICATION, HP_CEREBRAL_CALCIFICATION
                                                                                                                           REACTOME_UNFOLDED_PROTEIN_RESPONSE_UPR, REACTOME_UNFOLDED_PROTEIN_RESPONSE_UPR
                                                                                                                           LAKE_ADULT_KIDNEY_C16_COLLECTING_SYSTEM_PRINCIPAL_CELLS_CORTEX, LAKE_ADULT_KIDNEY_C16_COLLECTING_SYSTEM_PRINCIPAL_CELLS_CORTEX
                                                                                                                           GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP, GSE19772_CTRL_VS_HCMV_INF_MONOCYTES_AND_PI3K_INHIBITION_UP
                                                                                                                           GOBP_NON_RECOMBINATIONAL_REPAIR, GOBP_NON_RECOMBINATIONAL_REPAIR
                                                                                                                           GSE42088_UNINF_VS_LEISHMANIA_INF_DC_8H_UP, GSE42088_UNINF_VS_LEISHMANIA_INF_DC_8H_UP
                                                                                                                           LAKE_ADULT_KIDNEY_C13_THICK_ASCENDING_LIMB, LAKE_ADULT_KIDNEY_C13_THICK_ASCENDING_LIMB
                                                                                                                           MIR6513_3P, MIR6513_3P
                                                                                                                            VANTVEER_BREAST_CANCER_ESR1_UP, VANTVEER_BREAST_CANCER_ESR1_UP
                                                                                                                            LAKE_ADULT_KIDNEY_C28_INTERSTITIUM, LAKE_ADULT_KIDNEY_C28_INTERSTITIUM
                                                                                                                           HP_BROAD_FOREHEAD, HP_BROAD_FOREHEAD
                                                                                                                           GCM_MAP1B, GCM_MAP1B
                                                                                                                           DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_DN, DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_DN
                                                                                                                           HP_DYSMETRIA, HP_DYSMETRIA
                                                                                                                            HP_EEG_WITH_FOCAL_EPILEPTIFORM_DISCHARGES, HP_EEG_WITH_FOCAL_EPILEPTIFORM_DISCHARGES
                                                                                                                           GOCC_INTRINSIC_COMPONENT_OF_GOLGI_MEMBRANE, GOCC_INTRINSIC_COMPONENT_OF_GOLGI_MEMBRANE
                                                                                                                           HP_TYPE_II_DIABETES_MELLITUS, HP_TYPE_II_DIABETES_MELLITUS
                                                                                                                           MIR3144_3P, MIR3144_3P
                                                                                                                           HP_POSTURAL_TREMOR, HP_POSTURAL_TREMOR
                                                                                                                           GAL_LEUKEMIC_STEM_CELL_UP, GAL_LEUKEMIC_STEM_CELL_UP
                                                                                                                            HP_GENU_VALGUM, HP_GENU_VALGUM
                                                                                                                           HP_OSTEOLYSIS, HP_OSTEOLYSIS
                                                                                                                           BOYLAN_MULTIPLE_MYELOMA_D_UP, BOYLAN_MULTIPLE_MYELOMA_D_UP
                                                                                                                            MIR3192_3P, MIR3192_3P
                                                                                                                           SAMOLS_TARGETS_OF_KHSV_MIRNAS_DN, SAMOLS_TARGETS_OF_KHSV_MIRNAS_DN
                                                                                                                           LAKE_ADULT_KIDNEY_C29_UNKNOWN_NOVEL_PT_CFH_POS_SUBPOPULATION_S2, LAKE_ADULT_KIDNEY_C29_UNKNOWN_NOVEL_PT_CFH_POS_SUBPOPULATION_S2
                                                                                                                           MIR219A_2_3P, MIR219A_2_3P
I_STIM_IMMATURE_NEURON_CELL_LINE_UP, GSE16450_CTRL_VS_IFNA_12H_STIM_IMMATURE_NEURON_CELL_LINE_UP
                                                                                                                           MIR4327, MIR4327
                                                                                                                           GOBP_SODIUM_ION_TRANSMEMBRANE_TRANSPORT, GOBP_SODIUM_ION_TRANSMEMBRANE_TRANSPORT
                                                                                                                           GOBP_REGULATION_OF_SODIUM_ION_TRANSMEMBRANE_TRANSPORT, GOBP_REGULATION_OF_SODIUM_ION_TRANSMEMBRANE_TRANSPORT
                                                                                                                            RNCTGNYNRNCTGNY_UNKNOWN, RNCTGNYNRNCTGNY_UNKNOWN
                                                                                                                            HP RELATIVE MACROCEPHALY, HP RELATIVE MACROCEPHALY
                                                                                                                            MIR6895_3P, MIR6895_3P
                                                                                                                            HP_RHIZOMELIA, HP_RHIZOMELIA
                                                                                                                           HP_ABNORMALITY_OF_THE_HUMERUS, HP_ABNORMALITY_OF_THE_HUMERUS
                                                                                                                           REACTOME_ASSEMBLY_AND_CELL_SURFACE_PRESENTATION_OF_NMDA_RECEPTORS, REACTOME_ASSEMBLY_AND_CELL_SURFACE_PRESENTATION_OF_NMDA_RECEPTORS
                                                                                                                            HP_DISPROPORTIONATE_SHORT_LIMB_SHORT_STATURE, HP_DISPROPORTIONATE_SHORT_LIMB_SHORT_STATURE
                                                                                                                            HP_HYPOHIDROSIS, HP_HYPOHIDROSIS
                                                                                                                            MIR4425, MIR4425
                                                                                                                           STARK_HYPPOCAMPUS_22Q11_DELETION_UP, STARK_HYPPOCAMPUS_22Q11_DELETION_UP
                                                                                                                            MIR3151_3P, MIR3151_3P
                                                                                                                            HP_ABNORMAL_EPIPHYSEAL_OSSIFICATION, HP_ABNORMAL_EPIPHYSEAL_OSSIFICATION
                                                                                                                           GOBP_RESPONSE_TO_COLD, GOBP_RESPONSE_TO_COLD
                                                                                                                            SILIGAN_BOUND_BY_EWS_FLT1_FUSION, SILIGAN_BOUND_BY_EWS_FLT1_FUSION
                                                                                                                           GOBP_VENTRICULAR_CARDIAC_MUSCLE_CELL_ACTION_POTENTIAL, GOBP_VENTRICULAR_CARDIAC_MUSCLE_CELL_ACTION_POTENTIAL
                                                                                                                           HP_LARGE_BEAKED_NOSE, HP_LARGE_BEAKED_NOSE
                                                                                                                           GOBP_LIPID_HOMEOSTASIS, GOBP_LIPID_HOMEOSTASIS
                                                                                                                           chr2q31, chr2q31
                                                                                                                           HOX13_01, HOX13_01
                                                                                                                           GOBP_PROTEIN_IMPORT_INTO_PEROXISOME_MATRIX, GOBP_PROTEIN_IMPORT_INTO_PEROXISOME_MATRIX
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_CELL_SUBSTRATE_ADHESION, GOBP_POSITIVE_REGULATION_OF_CELL_SUBSTRATE_ADHESION
                                                                                                                           HP_AGENESIS_OF_LATERAL_INCISOR, HP_AGENESIS_OF_LATERAL_INCISOR
                                                                                                                           GOBP_POSITIVE_REGULATION_OF_CELL_MATRIX_ADHESION, GOBP_POSITIVE_REGULATION_OF_CELL_MATRIX_ADHESION
                                                                                                                           HP_MYELOID_LEUKEMIA, HP_MYELOID_LEUKEMIA
                                                                                                                          GOBP_SMOOTH_MUSCLE_TISSUE_DEVELOPMENT, GOBP_SMOOTH_MUSCLE_TISSUE_DEVELOPMENT
                                                                                                                           GOBP_BASEMENT_MEMBRANE_ORGANIZATION, GOBP_BASEMENT_MEMBRANE_ORGANIZATION
                                                                                                                           HP_SPEECH_ARTICULATION_DIFFICULTIES, HP_SPEECH_ARTICULATION_DIFFICULTIES
                                                                                                                           REACTOME_SYNTHESIS_OF_PA, REACTOME_SYNTHESIS_OF_PA
                                                                                                                           HP_SHYNESS, HP_SHYNESS
                                                                                                                           BIOCARTA_CBL_PATHWAY, BIOCARTA_CBL_PATHWAY
                                                                                                                           ZNF488_TARGET_GENES, ZNF488_TARGET_GENES
                                                                                                                           REACTOME NRCAM INTERACTIONS, REACTOME NRCAM INTERACTIONS
                                                                                                                           GAJATE_RESPONSE_TO_TRABECTEDIN_DN, GAJATE_RESPONSE_TO_TRABECTEDIN_DN
                                                                                                                           HP_ABNORMAL_PR_INTERVAL, HP_ABNORMAL_PR_INTERVAL
                                                                                                                           HOELZEL_NF1_TARGETS_DN, HOELZEL_NF1_TARGETS_DN
                                                                                                                           HP_SHORT_FEMUR, HP_SHORT_FEMUR
                                                                                                                           REACTOME RAS ACTIVATION UPON CA2 INFLUX THROUGH NMDA RECEPTOR, REACTOME RAS ACTIVATION UPON CA2 INFLUX THROUGH NMDA RECEPTOR
                                                                                                                          ROYLANCE_BREAST_CANCER_16Q_COPY_NUMBER_DN, ROYLANCE_BREAST_CANCER_16Q_COPY_NUMBER_DN
                                                                                                                           GOBP NUCLEOSIDE SALVAGE, GOBP NUCLEOSIDE SALVAGE
                                                                                                                          GOBP_HARD_PALATE_DEVELOPMENT, GOBP_HARD_PALATE_DEVELOPMENT
                                                                                                                           MIR4501, MIR4501
                                                                                                                           DESCARTES_FETAL_ADRENAL_SLC26A4_PAEP_POSITIVE_CELLS, DESCARTES_FETAL_ADRENAL_SLC26A4_PAEP_POSITIVE_CELLS
                                                                                                                           HP_SPONTANEOUS_ABORTION, HP_SPONTANEOUS_ABORTION
                                                                                                                           HARALAMBIEVA_PBMC_TIV_AGE_50_74YO_CORRELATED_WITH_MEMORY_B_CELL_RESPONSE_3DY_POSITIVE, HARALAMBIEVA_PBMC_TIV_AGE_50_74YO_CORRELATED_WITH_MEMORY_B_CELL
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GSE39022\_LN\_VS\_SPLEEN\_DC\_DN, GSE39022\_LN\_VS\_SPLEEN\_DC\_DN

BIOCARTA\_PS1\_PATHWAY, BIOCARTA\_PS1\_PATHWAY

MIR5191, MIR5191

GSE22886\_NAIVE\_BCELL\_VS\_BM\_PLASMA\_CELL\_UP, GSE22886\_NAIVE\_BCELL\_VS\_BM\_PLASMA\_CELL\_UP