```
GSE38304 MYC NEG VS POS GC BCELL DN, GSE38304 MYC NEG VS POS GC BCELL DN
                                                                                        GSE7764_NKCELL_VS_SPLENOCYTE_UP, GSE7764_NKCELL_VS_SPLENOCYTE_UP
                                                                                        GSE4811_CLASSSICALY_ACTIVATED_VS_TYPE_2_ACTIVATED_MACROPHAGE_UP, GSE4811_CLASSSICALY_ACTIVATED_VS_TYPE_2_ACTIVATED_MACROPHAGE_UP
                                                                                        GSE27786_CD4_TCELL_VS_NKTCELL_DN, GSE27786_CD4_TCELL_VS_NKTCELL_DN
                                                                                        GSE17580_UNINFECTED_VS_S_MANSONI_INF_TEFF_DN, GSE17580_UNINFECTED_VS_S_MANSONI_INF_TEFF_DN
                                                                                        GOMF_METHYLATED_HISTONE_BINDING, GOMF_METHYLATED_HISTONE_BINDING
                                                                                        IL15_UP.V1_UP, IL15_UP.V1_UP
                                                                                        GOBP_MEMBRANE_LIPID_BIOSYNTHETIC_PROCESS, GOBP_MEMBRANE_LIPID_BIOSYNTHETIC_PROCESS
                                                                                        HP_DISTAL_MUSCLE_WEAKNESS, HP_DISTAL_MUSCLE_WEAKNESS
                                                                                        GSE7852_TREG_VS_TCONV_LN_DN, GSE7852_TREG_VS_TCONV_LN_DN
                                                                                        GOBP_SPHINGOLIPID_BIOSYNTHETIC_PROCESS, GOBP_SPHINGOLIPID_BIOSYNTHETIC_PROCESS
                                                                                        GSE25123_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DAY10_UP, GSE25123_IL4_VS_IL4_AND_ROSIGLITAZONE_STIM_PPARG_KO_MACROPHAGE_DAY10_UP
                                                                                        MIR335_5P, MIR335_5P
                                                                                        GSE9006_1MONTH_VS_4MONTH_POST_TYPE_1_DIABETES_DX_PBMC_DN, GSE9006_1MONTH_VS_4MONTH_POST_TYPE_1_DIABETES_DX_PBMC_DN
                                                                                        ENGELMANN_CANCER_PROGENITORS_UP, ENGELMANN_CANCER_PROGENITORS_UP
                                                                                        GOBP_PROTEIN_LOCALIZATION_TO_NUCLEOLUS, GOBP_PROTEIN_LOCALIZATION_TO_NUCLEOLUS
                                                                                        MCCLUNG_CREB1_TARGETS_UP, MCCLUNG_CREB1_TARGETS_UP
                                                                                        NRL_DN.V1_UP, NRL_DN.V1_UP
                                                                                        CAHOY ASTROCYTIC, CAHOY ASTROCYTIC
                                                                                        MIR28 3P, MIR28 3P
                                                                                        MORI_SMALL_PRE_BII_LYMPHOCYTE_UP, MORI_SMALL_PRE_BII_LYMPHOCYTE_UP
                                                                                        REACTOME_FATTY_ACYL_COA_BIOSYNTHESIS, REACTOME_FATTY_ACYL_COA_BIOSYNTHESIS
                                                                                        GOBP_OLIGOSACCHARIDE_LIPID_INTERMEDIATE_BIOSYNTHETIC_PROCESS, GOBP_OLIGOSACCHARIDE_LIPID_INTERMEDIATE_BIOSYNTHETIC_PROCESS
                                                                                        GOBP_FATTY_ACYL_COA_BIOSYNTHETIC_PROCESS, GOBP_FATTY_ACYL_COA_BIOSYNTHETIC_PROCESS
                                                                                        GOBP_CERAMIDE_BIOSYNTHETIC_PROCESS, GOBP_CERAMIDE_BIOSYNTHETIC_PROCESS
                                                                                        KAPOSI LIVER CANCER MET UP, KAPOSI LIVER CANCER MET UP
                                                                                        MIR6857_3P, MIR6857_3P
                                                                                        HP_BROAD_FOOT, HP_BROAD_FOOT
                                                                                        MIR1243, MIR1243
                                                                                        GOMF_ORGANIC_ACID_BINDING, GOMF_ORGANIC_ACID_BINDING
                                                                                        MIR26A_1_3P, MIR26A_1_3P
                                                                                        MIR26A_2_3P, MIR26A_2_3P
                                                                                        MATTHEWS_AP1_TARGETS, MATTHEWS_AP1_TARGETS
                                                                                        GOBP AMINO_SUGAR_METABOLIC_PROCESS, GOBP_AMINO_SUGAR_METABOLIC_PROCESS
                                                                                        GOMF_PHOSPHATIDYLINOSITOL_4_PHOSPHATE_BINDING, GOMF_PHOSPHATIDYLINOSITOL_4_PHOSPHATE_BINDING
                                                                                        PID_CXCR3_PATHWAY, PID_CXCR3_PATHWAY
                                                                                        MIR500B 3P, MIR500B 3P
                                                                                        REACTOME_NEF_MEDIATES_DOWN_MODULATION_OF_CELL_SURFACE_RECEPTORS_BY_RECRUITING_THEM_TO_CLATHRIN_ADAPTERS, REACTOME_NEF_MEDIATES_DOWN_MODULATION_OF_CELL_SURFACE_RECEPTORS_BY_RECRUITING
                                                                                       HARALAMBIEVA PBMC_TIV_AGE 50_74YO_CORRELATED_WITH_MEMORY_B_CELL_RESPONSE_28DY_NEGATIVE, HARALAMBIEVA_PBMC_TIV_AGE 50_74YO_CORRELATED_WITH_MEMORY_B_CELL_RESPONSE_28DY_NEGATIVE
                                                                                        HP_WORMIAN_BONES, HP_WORMIAN_BONES
                                                                                        SABATES_COLORECTAL_ADENOMA_SIZE_UP, SABATES_COLORECTAL_ADENOMA_SIZE_UP
                                                                                       GOBP_REGULATION_OF_GLUCONEOGENESIS, GOBP_REGULATION_OF_GLUCONEOGENESIS
                                                                                        STARK_HYPPOCAMPUS_22Q11_DELETION_DN, STARK_HYPPOCAMPUS_22Q11_DELETION_DN
                                                                                       GAO LARGE INTESTINE 24W_C6_SECRETORY_PROGENITOR, GAO LARGE INTESTINE 24W_C6_SECRETORY_PROGENITOR
                                                                                        GOBP_DOPAMINE_RECEPTOR_SIGNALING_PATHWAY, GOBP_DOPAMINE_RECEPTOR_SIGNALING_PATHWAY
                                                                                        GOBP_REGULATION_OF_GLIOGENESIS, GOBP_REGULATION_OF_GLIOGENESIS
                                                                                        OSADA_ASCL1_TARGETS_UP, OSADA_ASCL1_TARGETS_UP
                                                                                        GOCC GEMINI OF COILED BODIES, GOCC GEMINI OF COILED BODIES
                                                                                        GOCC_SMN_COMPLEX, GOCC_SMN_COMPLEX
                                                                                       LA_MEN1_TARGETS, LA_MEN1_TARGETS
                                                                                       JEPSEN_SMRT_TARGETS, JEPSEN_SMRT_TARGETS
                                                                                        GOBP_SPHINGOID_METABOLIC_PROCESS, GOBP_SPHINGOID_METABOLIC_PROCESS
                                                                                       HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_3DY_DN, HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_3DY_DN
                                                                                       GAO_SMALL_INTESTINE_24W_C1_TUFT_PROGENITOR, GAO_SMALL_INTESTINE_24W_C1_TUFT_PROGENITOR
                                                                                        REACTOME_LINOLEIC_ACID_LA_METABOLISM, REACTOME_LINOLEIC_ACID_LA_METABOLISM
                                                                                        MIR943, MIR943
                                                                                        GOBP_POSITIVE_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION, GOBP_POSITIVE_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
                                                                                       BROWNE_HCMV_INFECTION_1HR_UP, BROWNE_HCMV_INFECTION_1HR_UP
                                                                                       HP_THIN_NAIL, HP_THIN_NAIL
                                                                                       GOBP_NEGATIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION
                                                                                        MIR625_3P, MIR625_3P
                                                                                       GOBP_FATTY_ACID_ELONGATION, GOBP_FATTY_ACID_ELONGATION
                                                                                        PARENT_MTOR_SIGNALING_DN, PARENT_MTOR_SIGNALING_DN
                                                                                        GOBP_NATURAL_KILLER_CELL_MEDIATED_IMMUNE_RESPONSE_TO_TUMOR_CELL, GOBP_NATURAL_KILLER_CELL_MEDIATED_IMMUNE_RESPONSE_TO_TUMOR_CELL
                                                                                        WP_BONE_MORPHOGENIC_PROTEIN_BMP_SIGNALLING_AND_REGULATION, WP_BONE_MORPHOGENIC_PROTEIN_BMP_SIGNALLING_AND_REGULATION
                                                                                        GOBP_PEPTIDYL_LYSINE_DEACETYLATION, GOBP_PEPTIDYL_LYSINE_DEACETYLATION
                                                                                        GOBP_SPROUTING_ANGIOGENESIS, GOBP_SPROUTING_ANGIOGENESIS
                                                                                        GOBP_REGULATION_OF_POTASSIUM_ION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOBP_REGULATION_OF_POTASSIUM_ION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY
                                                                                        HP_HYDROXYPROLINURIA, HP_HYDROXYPROLINURIA
                                                                                        GOMF_PHOSPHOLIPID_TRANSFER_ACTIVITY, GOMF_PHOSPHOLIPID_TRANSFER_ACTIVITY
                                                                                        GOBP_REGULATION_OF_SYNAPTIC_VESICLE_PRIMING, GOBP_REGULATION_OF_SYNAPTIC_VESICLE_PRIMING
                                                                                        GOBP_PEPTIDYL_ARGININE_MODIFICATION, GOBP_PEPTIDYL_ARGININE_MODIFICATION
                                                                                        PID_P38_GAMMA_DELTA_PATHWAY, PID_P38_GAMMA_DELTA_PATHWAY
                                                                                        GOBP_POSITIVE_REGULATION_OF_BLOOD_PRESSURE, GOBP_POSITIVE_REGULATION_OF_BLOOD_PRESSURE
                                                                                        XU_HGF_TARGETS_REPRESSED_BY_AKT1_UP, XU_HGF_TARGETS_REPRESSED_BY_AKT1_UP
                                                                                        HP_DECREASED_NUMBER_OF_PERIPHERAL_MYELINATED_NERVE_FIBERS, HP_DECREASED_NUMBER_OF_PERIPHERAL_MYELINATED_NERVE_FIBERS
                                                                                        GOCC_HOLLIDAY_JUNCTION_RESOLVASE_COMPLEX, GOCC_HOLLIDAY_JUNCTION_RESOLVASE_COMPLEX
K_CELL_24H_VS_SPLENOCYTE_UP, GSE7764_IL15_NK_CELL_24H_VS_SPLENOCYTE_UP
                                                                                        MIR4649 5P, MIR4649 5P
                                                                                        GOBP_NEGATIVE_REGULATION_OF_INTERLEUKIN_4_PRODUCTION, GOBP_NEGATIVE_REGULATION_OF_INTERLEUKIN_4_PRODUCTION
                                                                                        GOCC_NEURONAL_DENSE_CORE_VESICLE, GOCC_NEURONAL_DENSE_CORE_VESICLE
                                                                                        HP_PARAKERATOSIS, HP_PARAKERATOSIS
                                                                                        HP_FETAL_POLYURIA, HP_FETAL_POLYURIA
                                                                                        HP_ABNORMALITY_OF_FRONTALIS_MUSCLE_BELLY, HP_ABNORMALITY_OF_FRONTALIS_MUSCLE_BELLY
                                                                                        LIU_IL13_PRIMING_MODEL, LIU_IL13_PRIMING_MODEL
                                                                                        GOBP_ADENYLATE_CYCLASE_INHIBITING_DOPAMINE_RECEPTOR_SIGNALING_PATHWAY, GOBP_ADENYLATE_CYCLASE_INHIBITING_DOPAMINE_RECEPTOR_SIGNALING_PATHWAY
                                                                                        GOBP_NEGATIVE_REGULATION_OF_TRANSPORTER_ACTIVITY, GOBP_NEGATIVE_REGULATION_OF_TRANSPORTER_ACTIVITY
                                                                                        GOBP_SKELETAL_MUSCLE_TISSUE_REGENERATION, GOBP_SKELETAL_MUSCLE_TISSUE_REGENERATION
                                                                                        GOBP_STRIATED_MUSCLE_ADAPTATION, GOBP_STRIATED_MUSCLE_ADAPTATION
                                                                                        ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_LOW_IGM_RESPONDERS_6HY_1DY_UP, ANDERSON_BLOOD_CN54GP140_ADJUVANTED_WITH_GLA_AF_AGE_18_45YO_LOW_IGM_RESPONDERS_6HY_1DY_UP
                                                                                        GOBP_DEFINITIVE_ERYTHROCYTE_DIFFERENTIATION, GOBP_DEFINITIVE_ERYTHROCYTE_DIFFERENTIATION
                                                                                        GOBP REGULATION OF LIPOPHAGY, GOBP REGULATION OF LIPOPHAGY
                                                                                        GOBP_NEGATIVE_REGULATION_OF_MUSCLE_ADAPTATION, GOBP_NEGATIVE_REGULATION_OF_MUSCLE_ADAPTATION
                                                                                        GOMF PHOSPHATIDYLINOSITOL 3 KINASE REGULATORY SUBUNIT BINDING, GOMF PHOSPHATIDYLINOSITOL 3 KINASE REGULATORY SUBUNIT BINDING
                                                                                        GOCC_JUNCTIONAL_SARCOPLASMIC_RETICULUM_MEMBRANE, GOCC_JUNCTIONAL_SARCOPLASMIC_RETICULUM_MEMBRANE
                                                                                        MIR4804 5P, MIR4804 5P
                                                                                       HP_ABNORMAL_CIRCULATING_CERULOPLASMIN_CONCENTRATION, HP_ABNORMAL_CIRCULATING_CERULOPLASMIN_CONCENTRATION
                                                                                        GOCC_DENSE_CORE_GRANULE_MEMBRANE, GOCC_DENSE_CORE_GRANULE_MEMBRANE
                                                                                        GOBP_PURKINJE_MYOCYTE_TO_VENTRICULAR_CARDIAC_MUSCLE_CELL_SIGNALING, GOBP_PURKINJE_MYOCYTE_TO_VENTRICULAR_CARDIAC_MUSCLE_CELL_SIGNALING
                                                                                        GOBP_POSITIVE_REGULATION_OF_RESPONSE_TO_INTERFERON_GAMMA, GOBP_POSITIVE_REGULATION_OF_RESPONSE_TO_INTERFERON_GAMMA
                                                                                        GOBP_SPHINGOSINE_BIOSYNTHETIC_PROCESS, GOBP_SPHINGOSINE_BIOSYNTHETIC_PROCESS
                                                                                        GOBP_REGULATION_OF_DOPAMINE_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_DOPAMINE_RECEPTOR_SIGNALING_PATHWAY
                                                                                        REACTOME_ACTIVATION_OF_THE_PHOTOTRANSDUCTION_CASCADE, REACTOME_ACTIVATION_OF_THE_PHOTOTRANSDUCTION_CASCADE
                                                                                       HP_ABNORMALITY_OF_LOWER_LIMB_METAPHYSES, HP_ABNORMALITY_OF_LOWER_LIMB_METAPHYSES
                                                                                       HP_CHOKING_EPISODES, HP_CHOKING_EPISODES
                                                                                       HP_PROLINURIA, HP_PROLINURIA
                                                                                        HP_HYPOCHLOREMIA, HP_HYPOCHLOREMIA
                                                                                        GOBP_LIPOPHAGY, GOBP_LIPOPHAGY
                                                                                        GOMF_HEPARAN_SULFATE_GLUCOSAMINE_3_SULFOTRANSFERASE_1_ACTIVITY, GOMF_HEPARAN_SULFATE_GLUCOSAMINE_3_SULFOTRANSFERASE_1_ACTIVITY
                                                                                        GOCC_A_BAND, GOCC_A_BAND
                                                                                        DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_OLFACTORY_HORIZONTAL_BASAL_CELLS, DURANTE_ADULT_OLFACTORY_NEUROEPITHELIUM_OLFACTORY_HORIZONTAL_BASAL_CELLS
                                                                                        GOBP_POSITIVE_REGULATION_OF_SYSTEMIC_ARTERIAL_BLOOD_PRESSURE, GOBP_POSITIVE_REGULATION_OF_SYSTEMIC_ARTERIAL_BLOOD_PRESSURE
                                                                                        BEIER_GLIOMA_STEM_CELL_UP, BEIER_GLIOMA_STEM_CELL_UP
                                                                                       HP_INTERMITTENT_EPISODES_OF_RESPIRATORY_INSUFFICIENCY_DUE_TO_MUSCLE_WEAKNESS, HP_INTERMITTENT_EPISODES_OF_RESPIRATORY_INSUFFICIENCY_DUE_TO_MUSCLE_WEAKNESS
                                                                                        WP_BMP_SIGNALING_PATHWAY_IN_EYELID_DEVELOPMENT, WP_BMP_SIGNALING_PATHWAY_IN_EYELID_DEVELOPMENT
                                                                                        HP_CALCIUM_NEPHROLITHIASIS, HP_CALCIUM_NEPHROLITHIASIS
                                                                                        HP_EMG_IMPAIRED_NEUROMUSCULAR_TRANSMISSION, HP_EMG_IMPAIRED_NEUROMUSCULAR_TRANSMISSION
                                                                                        MIR3196, MIR3196
                                                                                        GOBP_POSITIVE_REGULATION_OF_DOPAMINE_RECEPTOR_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_DOPAMINE_RECEPTOR_SIGNALING_PATHWAY
                                                                                        GOMF_NEUROLIGIN_FAMILY_PROTEIN_BINDING, GOMF_NEUROLIGIN_FAMILY_PROTEIN_BINDING
                                                                                        LET_7I_3P, LET_7I_3P
                                                                                        HP_DECREASED_CIRCULATING_COPPER_CONCENTRATION, HP_DECREASED_CIRCULATING_COPPER_CONCENTRATION
                                                                                        GOBP_ISOPENTENYL_DIPHOSPHATE_BIOSYNTHETIC_PROCESS, GOBP_ISOPENTENYL_DIPHOSPHATE_BIOSYNTHETIC_PROCESS
                                                                                        GOBP_CITRATE_TRANSPORT, GOBP_CITRATE_TRANSPORT
                                                                                        GOCC_GROWTH_FACTOR_COMPLEX, GOCC_GROWTH_FACTOR_COMPLEX
                                                                                        MIR3677_3P, MIR3677_3P
                                                                                        GOBP_NEGATIVE_REGULATION_OF_NLRP3_INFLAMMASOME_COMPLEX_ASSEMBLY, GOBP_NEGATIVE_REGULATION_OF_NLRP3_INFLAMMASOME_COMPLEX_ASSEMBLY
                                                                                        GOCC_NEURONAL_DENSE_CORE_VESICLE_MEMBRANE, GOCC_NEURONAL_DENSE_CORE_VESICLE_MEMBRANE
                                                                                        GOMF_INSULIN_LIKE_GROWTH_FACTOR_II_BINDING, GOMF_INSULIN_LIKE_GROWTH_FACTOR_II_BINDING
                                                                                        REACTOME_PHOSPHATE_BOND_HYDROLYSIS_BY_NTPDASE_PROTEINS, REACTOME_PHOSPHATE_BOND_HYDROLYSIS_BY_NTPDASE_PROTEINS
                                                                                        GOBP_AMINO_SUGAR_CATABOLIC_PROCESS, GOBP_AMINO_SUGAR_CATABOLIC_PROCESS
                                                                                        GOBP_MESODERMAL_CELL_FATE_COMMITMENT, GOBP_MESODERMAL_CELL_FATE_COMMITMENT
                                                                                        MODULE_474, MODULE_474
                                                                                        BCAT.100_UP.V1_DN, BCAT.100_UP.V1_DN
                                                                                        GOBP_MECHANOSENSORY_BEHAVIOR, GOBP_MECHANOSENSORY_BEHAVIOR
                                                                                        MODULE_190, MODULE_190
                                                                                       HP_ATRIAL_STANDSTILL, HP_ATRIAL_STANDSTILL
                                                                                        GOBP_VOCAL_LEARNING, GOBP_VOCAL_LEARNING
                                                                                        GOBP_REGULATION_OF_ISOTYPE_SWITCHING_TO_IGE_ISOTYPES, GOBP_REGULATION_OF_ISOTYPE_SWITCHING_TO_IGE_ISOTYPES
                                                                                        HP_UROGENITAL_SINUS_ANOMALY, HP_UROGENITAL_SINUS_ANOMALY
                                                                                        GOBP_SKELETAL_MUSCLE_ADAPTATION, GOBP_SKELETAL_MUSCLE_ADAPTATION
                                                                                        GOBP_LEARNED_VOCALIZATION_BEHAVIOR_OR_VOCAL_LEARNING, GOBP_LEARNED_VOCALIZATION_BEHAVIOR_OR_VOCAL_LEARNING
                                                                                        GOBP_GLUCOSAMINE_CONTAINING_COMPOUND_CATABOLIC_PROCESS, GOBP_GLUCOSAMINE_CONTAINING_COMPOUND_CATABOLIC_PROCESS
                                                                                        GOBP_RENAL_SODIUM_ION_TRANSPORT, GOBP_RENAL_SODIUM_ION_TRANSPORT
                                                                                        GOBP_REGULATION_OF_XENOPHAGY, GOBP_REGULATION_OF_XENOPHAGY
                                                                                        GOCC_BASAL_DENDRITE, GOCC_BASAL_DENDRITE
                                                                                        REACTOME_TRANSPORT_OF_ORGANIC_ANIONS, REACTOME_TRANSPORT_OF_ORGANIC_ANIONS
                                                                                        GOBP_RENAL_SODIUM_ION_ABSORPTION, GOBP_RENAL_SODIUM_ION_ABSORPTION
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GOBP_POSITIVE_REGULATION_OF_INSULIN_LIKE_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY, GOBP_POSITIVE_REGULATION_OF_INSULIN_LIKE_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY

GOBP_NEGATIVE_REGULATION_OF_INSULIN_LIKE_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY, GOBP_NEGATIVE_REGULATION_OF_INSULIN_LIKE_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY

HP_CHOROIDEREMIA, HP_CHOROIDEREMIA

BIOCARTA_GHRELIN_PATHWAY, BIOCARTA_GHRELIN_PATHWAY

GOBP_DENTATE_GYRUS_DEVELOPMENT, GOBP_DENTATE_GYRUS_DEVELOPMENT

GOBP_N_ACETYLNEURAMINATE_CATABOLIC_PROCESS, GOBP_N_ACETYLNEURAMINATE_CATABOLIC_PROCESS

DESCARTES_FETAL_CEREBRUM_LIMBIC_SYSTEM_NEURONS, DESCARTES_FETAL_CEREBRUM_LIMBIC_SYSTEM_NEURONS

GSE14908_ATOPIC_VS_NONATOPIC_PATIENT_HDM_STIM_CD4_TCELL_UP, GSE14908_ATOPIC_VS_NONATOPIC_PATIENT_HDM_STIM_CD4_TCELL_UP