

TCELL\_VS\_MEMORY\_TCELL\_DN, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_MEMORY\_TCELL\_DN

GSE23398\_WT\_VS\_IL2\_KO\_CD4\_TCELL\_SCURFY\_MOUSE\_DN, GSE23398\_WT\_VS\_IL2\_KO\_CD4\_TCELL\_SCURFY\_MOUSE\_DN  
GSE24292\_WT\_VS\_PPARG\_KO\_MACROPHAGE\_DN, GSE24292\_WT\_VS\_PPARG\_KO\_MACROPHAGE\_DN  
GSE25087\_TREG\_VS\_TCONV\_ADULT\_UP, GSE25087\_TREG\_VS\_TCONV\_ADULT\_UP  
GSE1432\_1H\_VS\_24H\_IFNG\_MICROGLIA\_DN, GSE1432\_1H\_VS\_24H\_IFNG\_MICROGLIA\_DN  
GSE22886\_NAIVE\_CD8\_TCELL\_VS\_MEMORY\_TCELL\_DN, GSE22886\_NAIVE\_CD8\_TCELL\_VS\_MEMORY\_TCELL\_DN  
IKEDA\_MIR30\_TARGETS\_UP, IKEDA\_MIR30\_TARGETS\_UP  
GSE9316\_CD4\_TCELL\_BALBC\_VS\_TH17\_ENRI\_CD4\_TCELL\_SKG\_PMA\_IONO\_STIM\_FR4NEG\_DN, GSE9316\_CD4\_TCELL\_BALBC\_VS\_TH17\_ENRI\_CD4\_TCELL\_SKG\_PMA\_IONO\_STIM\_FR4NEG\_DN  
MIR4504, MIR4504  
GSE21360\_PRIMARY\_VS\_SECONDARY\_MEMORY\_CD8\_TCELL\_UP, GSE21360\_PRIMARY\_VS\_SECONDARY\_MEMORY\_CD8\_TCELL\_UP  
MIR590\_5P, MIR590\_5P  
GSE36078\_UNTREATED\_VS\_AD5\_T425A\_HEXON\_INF\_MOUSE\_LUNG\_DC\_UP, GSE36078\_UNTREATED\_VS\_AD5\_T425A\_HEXON\_INF\_MOUSE\_LUNG\_DC\_UP  
GCM\_IL6ST, GCM\_IL6ST  
MIR4650\_3P, MIR4650\_3P  
GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_BCELL\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_BCELL\_DN  
GSE26495\_PD1HIGH\_VS\_PD1LOW\_CD8\_TCELL\_UP, GSE26495\_PD1HIGH\_VS\_PD1LOW\_CD8\_TCELL\_UP  
GSE1791\_CTRL\_VS\_NEUROMEDINU\_IN\_T\_CELL\_LINE\_3H\_UP, GSE1791\_CTRL\_VS\_NEUROMEDINU\_IN\_T\_CELL\_LINE\_3H\_UP  
MORI\_PRE\_BI\_LYMPHOCYTE\_DN, MORI\_PRE\_BI\_LYMPHOCYTE\_DN  
GSE1432\_CTRL\_VS\_IFNG\_1H\_MICROGLIA\_DN, GSE1432\_CTRL\_VS\_IFNG\_1H\_MICROGLIA\_DN  
HALLMARK\_PEROXISOME, HALLMARK\_PEROXISOME  
GOBP\_ENDOPLASMIC\_RETICULUM\_ORGANIZATION, GOBP\_ENDOPLASMIC\_RETICULUM\_ORGANIZATION  
GSE17721\_LPS\_VS\_PAM3CSK4\_2H\_BMDc\_UP, GSE17721\_LPS\_VS\_PAM3CSK4\_2H\_BMDc\_UP  
GSE37301\_COMMON\_LYMPHOID\_PROGENITOR\_VS\_PRO\_BCELL\_UP, GSE37301\_COMMON\_LYMPHOID\_PROGENITOR\_VS\_PRO\_BCELL\_UP  
KIM\_GERMINAL\_CENTER\_T\_HELPER\_UP, KIM\_GERMINAL\_CENTER\_T\_HELPER\_UP  
GSE37533\_PPARG2\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_PIOGLITAZONE\_TREATED\_UP, GSE37533\_PPARG2\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_PIOGLITAZONE\_TREATED\_UP  
GOMF\_CYTOKINE\_BINDING, GOMF\_CYTOKINE\_BINDING  
HP\_COXA\_VALGA, HP\_COXA\_VALGA  
MIR6883\_3P, MIR6883\_3P  
KUROZUMI\_RESPONSE\_TO\_ONCOCYTIC\_VIRUS, KUROZUMI\_RESPONSE\_TO\_ONCOCYTIC\_VIRUS  
HP\_MUSCLE\_FIBER\_ATROPHY, HP\_MUSCLE\_FIBER\_ATROPHY  
BMI1\_DN.V1\_DN, BMI1\_DN.V1\_DN  
HP\_TACHYCARDIA, HP\_TACHYCARDIA  
GOBP\_REGULATION\_OF\_ENDOPLASMIC\_RETICULUM\_STRESS\_INDUCED\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY, GOBP\_REGULATION\_OF\_ENDOPLASMIC\_RETICULUM\_STRESS\_INDUCED\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PA  
MIR346, MIR346  
NRL\_DN.V1\_DN, NRL\_DN.V1\_DN  
MIR8081, MIR8081  
MIR4711\_3P, MIR4711\_3P  
PID\_ECADHERIN\_STABILIZATION\_PATHWAY, PID\_ECADHERIN\_STABILIZATION\_PATHWAY  
DAUER\_STAT3\_TARGETS\_DN, DAUER\_STAT3\_TARGETS\_DN  
PID\_ARF6\_PATHWAY, PID\_ARF6\_PATHWAY  
REACTOME\_SMOOTH\_MUSCLE\_CONTRACTION, REACTOME\_SMOOTH\_MUSCLE\_CONTRACTION  
GOBP\_PRESYNAPTIC\_ENDOCYTOSIS, GOBP\_PRESYNAPTIC\_ENDOCYTOSIS  
GSE3203\_WT\_VS\_IFNARI\_KO\_INFLUENZA\_INFECTED\_LN\_BCELL\_UP, GSE3203\_WT\_VS\_IFNARI\_KO\_INFLUENZA\_INFECTED\_LN\_BCELL\_UP  
HP\_ABNORMALITY\_OF\_IMMUNE\_SERUM\_PROTEIN\_PHYSIOLOGY, HP\_ABNORMALITY\_OF\_IMMUNE\_SERUM\_PROTEIN\_PHYSIOLOGY  
GOBP\_REGULATION\_OF\_CELLULAR\_RESPONSE\_TO\_INSULIN\_STIMULUS, GOBP\_REGULATION\_OF\_CELLULAR\_RESPONSE\_TO\_INSULIN\_STIMULUS  
AZARE\_NEOPLASTIC\_TRANSFORMATION\_BY\_STAT3\_DN, AZARE\_NEOPLASTIC\_TRANSFORMATION\_BY\_STAT3\_DN  
GOBP\_INTERLEUKIN\_2\_PRODUCTION, GOBP\_INTERLEUKIN\_2\_PRODUCTION  
GAZIN\_EPIGENETIC\_SILENCING\_BY\_KRAS, GAZIN\_EPIGENETIC\_SILENCING\_BY\_KRAS  
HP\_INCREASED\_PROTEINOGENIC\_AMINO\_ACID\_LEVEL\_IN\_URINE, HP\_INCREASED\_PROTEINOGENIC\_AMINO\_ACID\_LEVEL\_IN\_URINE  
GOCC\_STRIATED\_MUSCLE\_THIN\_FILAMENT, GOCC\_STRIATED\_MUSCLE\_THIN\_FILAMENT  
HP\_ABNORMAL\_CIRCULATING\_SULFUR\_AMINO\_ACID\_CONCENTRATION, HP\_ABNORMAL\_CIRCULATING\_SULFUR\_AMINO\_ACID\_CONCENTRATION  
OLSSON\_E2F3\_TARGETS\_UP, OLSSON\_E2F3\_TARGETS\_UP  
GOBP\_REGULATION\_OF\_EXECUTION\_PHASE\_OF\_APOPTOSIS, GOBP\_REGULATION\_OF\_EXECUTION\_PHASE\_OF\_APOPTOSIS  
GOBP\_NEGATIVE\_REGULATION\_OF\_EXECUTION\_PHASE\_OF\_APOPTOSIS, GOBP\_NEGATIVE\_REGULATION\_OF\_EXECUTION\_PHASE\_OF\_APOPTOSIS  
DURANTE\_ADULT\_OLFACTORY\_NEUROEPITHELIUM\_RESPIRATORY\_HORIZONTAL\_BASAL\_CELLS, DURANTE\_ADULT\_OLFACTORY\_NEUROEPITHELIUM\_RESPIRATORY\_HORIZONTAL\_BASAL\_CELLS  
HP\_VENTRICULAR\_TACHYCARDIA, HP\_VENTRICULAR\_TACHYCARDIA  
GOBP\_POSITIVE\_REGULATION\_OF\_ENDOPLASMIC\_RETICULUM\_STRESS\_INDUCED\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY, GOBP\_POSITIVE\_REGULATION\_OF\_ENDOPLASMIC\_RETICULUM\_STRESS\_INDUCED\_INTRINSIC\_APOPTO  
HP\_HEMOLYTIC\_UREMIC\_SYNDROME, HP\_HEMOLYTIC\_UREMIC\_SYNDROME  
HP\_HYPERCONVEX\_NAIL, HP\_HYPERCONVEX\_NAIL  
HP\_INCREASED\_SULFUR\_AMINO\_ACID\_LEVEL\_IN\_URINE, HP\_INCREASED\_SULFUR\_AMINO\_ACID\_LEVEL\_IN\_URINE  
GOBP\_POSITIVE\_REGULATION\_OF\_CELLULAR\_RESPONSE\_TO\_INSULIN\_STIMULUS, GOBP\_POSITIVE\_REGULATION\_OF\_CELLULAR\_RESPONSE\_TO\_INSULIN\_STIMULUS  
WEINMANN\_ADAPTATION\_TO\_HYPOXIA\_UP, WEINMANN\_ADAPTATION\_TO\_HYPOXIA\_UP  
HP\_PATCHY\_HYPOPIGMENTATION\_OF\_HAIR, HP\_PATCHY\_HYPOPIGMENTATION\_OF\_HAIR  
MIZUSHIMA\_AUTOPHAGOSOME\_FORMATION, MIZUSHIMA\_AUTOPHAGOSOME\_FORMATION  
GOCC\_PROTEIN\_PHOSPHATASE\_TYPE\_1\_COMPLEX, GOCC\_PROTEIN\_PHOSPHATASE\_TYPE\_1\_COMPLEX  
NAKAMURA\_ADIPOGENESIS\_LATE\_DN, NAKAMURA\_ADIPOGENESIS\_LATE\_DN  
GOBP\_SYNAPTIC\_TRANSMISSION\_DOPAMINERGIC, GOBP\_SYNAPTIC\_TRANSMISSION\_DOPAMINERGIC  
TIAN\_BHLHA15\_TARGETS, TIAN\_BHLHA15\_TARGETS  
GOBP\_REGULATION\_OF\_CYTOPLASMIC\_TRANSLATION, GOBP\_REGULATION\_OF\_CYTOPLASMIC\_TRANSLATION  
GOBP\_NEUROTRANSMITTER\_REUPTAKE, GOBP\_NEUROTRANSMITTER\_REUPTAKE  
GOBP\_POSITIVE\_REGULATION\_OF\_PEPTIDYL\_THREONINE\_PHOSPHORYLATION, GOBP\_POSITIVE\_REGULATION\_OF\_PEPTIDYL\_THREONINE\_PHOSPHORYLATION  
REACTOME\_ACTIVATION\_OF\_RAC1, REACTOME\_ACTIVATION\_OF\_RAC1  
REACTOME\_SODIUM\_CALCIIUM\_EXCHANGERS, REACTOME\_SODIUM\_CALCIIUM\_EXCHANGERS  
GOBP\_DOPAMINE\_TRANSPORT, GOBP\_DOPAMINE\_TRANSPORT  
GOBP\_LYMPHOCYTE\_CHEMOTAXIS, GOBP\_LYMPHOCYTE\_CHEMOTAXIS  
GOMF\_NEUROPEPTIDE\_BINDING, GOMF\_NEUROPEPTIDE\_BINDING  
GOMF\_CCR6\_CHEMOKINE\_RECEPTOR\_BINDING, GOMF\_CCR6\_CHEMOKINE\_RECEPTOR\_BINDING  
chr13q13, chr13q13  
HP\_MEDULLARY\_NEPHROCALCINOSIS, HP\_MEDULLARY\_NEPHROCALCINOSIS  
ZNF491\_TARGET\_GENES, ZNF491\_TARGET\_GENES  
HP\_ABNORMAL\_LUMBAR\_SPINE\_MORPHOLOGY, HP\_ABNORMAL\_LUMBAR\_SPINE\_MORPHOLOGY  
GOBP\_SOMITE\_SPECIFICATION, GOBP\_SOMITE\_SPECIFICATION  
MCM5\_TARGET\_GENES, MCM5\_TARGET\_GENES  
REACTOME\_IONOTROPIC\_ACTIVITY\_OF\_KAINATE\_RECEPTORS, REACTOME\_IONOTROPIC\_ACTIVITY\_OF\_KAINATE\_RECEPTORS  
WP\_SCFA\_AND\_SKELETAL\_MUSCLE\_SUBSTRATE\_METABOLISM, WP\_SCFA\_AND\_SKELETAL\_MUSCLE\_SUBSTRATE\_METABOLISM  
GOBP\_NEGATIVE\_REGULATION\_OF\_TRANSMISSION\_OF\_NERVE\_IMPULSE, GOBP\_NEGATIVE\_REGULATION\_OF\_TRANSMISSION\_OF\_NERVE\_IMPULSE  
GOBP\_REGULATION\_OF\_TRANSMISSION\_OF\_NERVE\_IMPULSE, GOBP\_REGULATION\_OF\_TRANSMISSION\_OF\_NERVE\_IMPULSE  
GOBP\_NEGATIVE\_REGULATION\_OF\_TRANSLATIONAL\_ELONGATION, GOBP\_NEGATIVE\_REGULATION\_OF\_TRANSLATIONAL\_ELONGATION  
WP\_VITAMIN\_B6DEPENDENT\_AND\_RESPONSIVE\_DISORDERS, WP\_VITAMIN\_B6DEPENDENT\_AND\_RESPONSIVE\_DISORDERS  
GOBP\_REGULATION\_OF\_CATECHOLAMINE\_UPTAKE\_INVOLVED\_IN\_SYNAPTIC\_TRANSMISSION, GOBP\_REGULATION\_OF\_CATECHOLAMINE\_UPTAKE\_INVOLVED\_IN\_SYNAPTIC\_TRANSMISSION  
HP\_CERVICAL\_C2\_C3\_VERTEBRAL\_FUSION, HP\_CERVICAL\_C2\_C3\_VERTEBRAL\_FUSION  
GOMF\_STRUCTURAL\_CONSTITUENT\_OF\_TOOTH\_ENAMEL, GOMF\_STRUCTURAL\_CONSTITUENT\_OF\_TOOTH\_ENAMEL