

VS\_TGFBETA3\_IL6\_IL23A\_CD4\_TCELL\_UP, GSE39820\_CTRL\_VS\_TGFBETA3\_IL6\_IL23A\_CD4\_TCELL\_UP

GSE39820\_CTRL\_VS\_TGFBETA1\_IL6\_IL23A\_CD4\_TCELL\_UP, GSE39820\_CTRL\_VS\_TGFBETA1\_IL6\_IL23A\_CD4\_TCELL\_UP  
GSE7852\_LN\_VS\_FAT\_TREG\_UP, GSE7852\_LN\_VS\_FAT\_TREG\_UP  
GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_48H\_DN, GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_48H\_DN  
GSE23502\_BM\_VS\_COLON\_TUMOR\_MYELOID\_DERIVED\_SUPPRESSOR\_CELL\_DN, GSE23502\_BM\_VS\_COLON\_TUMOR\_MYELOID\_DERIVED\_SUPPRESSOR\_CELL\_DN  
GSE39820\_CTRL\_VS\_TGFBETA1\_IL6\_CD4\_TCELL\_UP, GSE39820\_CTRL\_VS\_TGFBETA1\_IL6\_CD4\_TCELL\_UP  
GSE39820\_CTRL\_VS\_IL1B\_IL6\_CD4\_TCELL\_UP, GSE39820\_CTRL\_VS\_IL1B\_IL6\_CD4\_TCELL\_UP  
GSE37532\_TREG\_VS\_TCONV\_PPARG\_KO\_CD4\_TCELL\_FROM\_VISCERAL\_ADIPOSE\_TISSUE\_DN, GSE37532\_TREG\_VS\_TCONV\_PPARG\_KO\_CD4\_TCELL\_FROM\_VISCERAL\_ADIPOSE\_TISSUE\_DN  
GSE19941\_UNSTIM\_VS\_LPS\_STIM\_IL10\_KO\_MACROPHAGE\_DN, GSE19941\_UNSTIM\_VS\_LPS\_STIM\_IL10\_KO\_MACROPHAGE\_DN  
GSE20366\_TREG\_VS\_TCONV\_DN, GSE20366\_TREG\_VS\_TCONV\_DN  
GSE15330\_HSC\_VS\_LYMPHOID\_PRIMED\_MULTIPOTENT\_PROGENITOR\_IKAROS\_KO\_DN, GSE15330\_HSC\_VS\_LYMPHOID\_PRIMED\_MULTIPOTENT\_PROGENITOR\_IKAROS\_KO\_DN  
GSE45365\_NK\_CELL\_VS\_BCELL\_UP, GSE45365\_NK\_CELL\_VS\_BCELL\_UP  
GSE2770\_TGFB\_AND\_IL4\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN, GSE2770\_TGFB\_AND\_IL4\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN  
GSE16451\_CTRL\_VS\_WEST\_EQUINE\_ENC\_VIRUS\_MATURE\_NEURON\_CELL\_LINE\_UP, GSE16451\_CTRL\_VS\_WEST\_EQUINE\_ENC\_VIRUS\_MATURE\_NEURON\_CELL\_LINE\_UP  
GSE3039\_B2\_VS\_B1\_BCELL\_UP, GSE3039\_B2\_VS\_B1\_BCELL\_UP  
GSE40274\_FOXP3\_VS\_FOXP3\_AND\_LEF1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN, GSE40274\_FOXP3\_VS\_FOXP3\_AND\_LEF1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_DN  
MIR4778\_5P, MIR4778\_5P  
GSE13493\_CD4INTCD8POS\_VS\_CD8POS\_THYMOCYTE\_UP, GSE13493\_CD4INTCD8POS\_VS\_CD8POS\_THYMOCYTE\_UP  
BENPORATH\_NOS\_TARGETS, BENPORATH\_NOS\_TARGETS  
GSE2770\_IL12\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_DN, GSE2770\_IL12\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_DN  
GSE14415\_FOXP3\_KO\_NATURAL\_TREG\_VS\_TCONV\_UP, GSE14415\_FOXP3\_KO\_NATURAL\_TREG\_VS\_TCONV\_UP  
MIR12131, MIR12131  
MIR548AG, MIR548AG  
MIR548BA, MIR548BA  
LAKE\_ADULT\_KIDNEY\_C22\_ENDOTHELIAL\_CELLS\_GLOMERULAR\_CAPILLARIES, LAKE\_ADULT\_KIDNEY\_C22\_ENDOTHELIAL\_CELLS\_GLOMERULAR\_CAPILLARIES  
CAGCAGG\_MIR370, CAGCAGG\_MIR370  
MIR103A\_2\_5P, MIR103A\_2\_5P  
MIR548S, MIR548S  
LU\_AGING\_BRAIN\_DN, LU\_AGING\_BRAIN\_DN  
CAGCACT\_MIR5123P, CAGCACT\_MIR5123P  
MIR6814\_5P, MIR6814\_5P  
MIR5579\_3P, MIR5579\_3P  
MIR103A\_1\_5P, MIR103A\_1\_5P  
MIR200A\_5P, MIR200A\_5P  
MIR200B\_5P, MIR200B\_5P  
MIR548AU\_3P, MIR548AU\_3P  
YYCATTCAWW\_UNKNOWN, YYCATTCAWW\_UNKNOWN  
MIR4711\_5P, MIR4711\_5P  
CAIRO\_LIVER\_DEVELOPMENT\_UP, CAIRO\_LIVER\_DEVELOPMENT\_UP  
MIR190B\_5P, MIR190B\_5P  
MIR606, MIR606  
MIR8070, MIR8070  
MIR190A\_5P, MIR190A\_5P  
GERY\_CEBP\_TARGETS, GERY\_CEBP\_TARGETS  
MIR6883\_3P, MIR6883\_3P  
MIR6751\_3P, MIR6751\_3P  
MIR1199\_5P, MIR1199\_5P  
ATGCTGG\_MIR338, ATGCTGG\_MIR338  
MIR4709\_5P, MIR4709\_5P  
GGCKCATGS\_UNKNOWN, GGCKCATGS\_UNKNOWN  
MIR4662A\_5P, MIR4662A\_5P  
BROWNE\_HCMV\_INFECTION\_8HR\_UP, BROWNE\_HCMV\_INFECTION\_8HR\_UP  
SMIRNOV\_RESPONSE\_TO\_IR\_2HR\_UP, SMIRNOV\_RESPONSE\_TO\_IR\_2HR\_UP  
MIR3618, MIR3618  
GSE9946\_IMMATURE\_VS\_LISTERIA\_INF\_MATURE\_DC\_DN, GSE9946\_IMMATURE\_VS\_LISTERIA\_INF\_MATURE\_DC\_DN  
MIR3913\_5P, MIR3913\_5P  
GOBP\_REGULATION\_OF\_DEFENSE\_RESPONSE\_TO\_VIRUS\_BY\_VIRUS, GOBP\_REGULATION\_OF\_DEFENSE\_RESPONSE\_TO\_VIRUS\_BY\_VIRUS  
MIR1224\_3P, MIR1224\_3P  
MIR6750\_3P, MIR6750\_3P  
MIR512\_5P, MIR512\_5P  
GOBP\_POSITIVE\_REGULATION\_OF\_RESPONSE\_TO\_CYTOKINE\_STIMULUS, GOBP\_POSITIVE\_REGULATION\_OF\_RESPONSE\_TO\_CYTOKINE\_STIMULUS  
REACTOME\_THE\_ROLE\_OF\_NEF\_IN\_HIV\_1\_REPLICATION\_AND\_DISEASE\_PATHOGENESIS, REACTOME\_THE\_ROLE\_OF\_NEF\_IN\_HIV\_1\_REPLICATION\_AND\_DISEASE\_PATHOGENESIS  
MIR12126, MIR12126  
MIR4659A\_5P, MIR4659A\_5P  
YTAATTAA\_LHX3\_01, YTAATTAA\_LHX3\_01  
MIR6826\_5P, MIR6826\_5P  
MIR4535, MIR4535  
BOYLAN\_MULTIPLE\_MYELOMA\_PCA3\_DN, BOYLAN\_MULTIPLE\_MYELOMA\_PCA3\_DN  
MIR3605\_5P, MIR3605\_5P  
STREICHER\_LSM1\_TARGETS\_UP, STREICHER\_LSM1\_TARGETS\_UP  
GOBP\_MICROVILLUS\_ORGANIZATION, GOBP\_MICROVILLUS\_ORGANIZATION  
VALK\_AML\_CLUSTER\_6, VALK\_AML\_CLUSTER\_6  
MARTORIATI\_MDM4\_TARGETS\_NEUROEPITHELIUM\_DN, MARTORIATI\_MDM4\_TARGETS\_NEUROEPITHELIUM\_DN  
MIR6869\_5P, MIR6869\_5P  
GOCC\_RNAL\_EFFECTOR\_COMPLEX, GOCC\_RNAL\_EFFECTOR\_COMPLEX  
FINETTL\_BREAST\_CANCERS\_KINOME\_GRAY, FINETTL\_BREAST\_CANCERS\_KINOME\_GRAY  
HP\_THICKENED\_CALVARIA, HP\_THICKENED\_CALVARIA  
HP\_FEMORAL\_HERNIA, HP\_FEMORAL\_HERNIA  
AIZARANI\_LIVER\_C12\_NK\_NKT\_CELLS\_4, AIZARANI\_LIVER\_C12\_NK\_NKT\_CELLS\_4  
GOBERT\_CORE\_OLIGODENDROCYTE\_DIFFERENTIATION, GOBERT\_CORE\_OLIGODENDROCYTE\_DIFFERENTIATION  
GOBP\_REGULATION\_OF\_MITOCHONDRIAL\_FUSION, GOBP\_REGULATION\_OF\_MITOCHONDRIAL\_FUSION  
MIR363\_5P, MIR363\_5P  
MIR4281, MIR4281  
TRIP13\_TARGET\_GENES, TRIP13\_TARGET\_GENES  
REACTOME\_PECAM1\_INTERACTIONS, REACTOME\_PECAM1\_INTERACTIONS  
GOBP\_MICROVILLUS\_ASSEMBLY, GOBP\_MICROVILLUS\_ASSEMBLY  
HP\_MESOMELIA, HP\_MESOMELIA  
MIR6813\_3P, MIR6813\_3P  
GOBP\_NEGATIVE\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_IN\_RESPONSE\_TO\_STRESS, GOBP\_NEGATIVE\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_IN\_RESPONSE\_TO\_STRESS  
GOCC\_POSTSYNAPTIC\_SPECIALIZATION\_INTRACELLULAR\_COMPONENT, GOCC\_POSTSYNAPTIC\_SPECIALIZATION\_INTRACELLULAR\_COMPONENT  
HP\_NEUROMA, HP\_NEUROMA  
HP\_MATERNAL\_DIABETES, HP\_MATERNAL\_DIABETES  
REACTOME\_ENOS\_ACTIVATION, REACTOME\_ENOS\_ACTIVATION  
chr3q22, chr3q22  
GOMF\_BETA\_2\_MICROGLOBULIN\_BINDING, GOMF\_BETA\_2\_MICROGLOBULIN\_BINDING  
GOBP\_PREPULSE\_INHIBITION, GOBP\_PREPULSE\_INHIBITION  
GOMF\_T\_CELL\_RECEPTOR\_BINDING, GOMF\_T\_CELL\_RECEPTOR\_BINDING  
RNCTGNYNRNCTGNY\_UNKNOWN, RNCTGNYNRNCTGNY\_UNKNOWN  
NIKOLSKY\_BREAST\_CANCER\_6P24\_P22\_AMPLICON, NIKOLSKY\_BREAST\_CANCER\_6P24\_P22\_AMPLICON  
HP\_LYMPHOCYTOSIS, HP\_LYMPHOCYTOSIS  
REACTOME\_HYDROLYSIS\_OF\_LPC, REACTOME\_HYDROLYSIS\_OF\_LPC  
MIR10A\_3P, MIR10A\_3P  
HP\_PECTUS\_EXCAVATUM\_OF\_INFERIOR\_STERNUM, HP\_PECTUS\_EXCAVATUM\_OF\_INFERIOR\_STERNUM  
GOMF\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_PAIRRED\_DONORS\_WITH\_OXIDATION\_OF\_A\_PAIR\_OF\_DONORS\_RESULTING\_IN\_THE\_REDUCTION\_OF\_MOLECULAR\_OXYGEN\_TO\_TWO\_MOLECULES\_OF\_WATER, GOMF\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_PAIRRED\_DONORS\_WITH\_OXIDATION\_OF\_A\_PAIR\_OF\_DONORS\_RESULTING\_IN\_THE\_REDUCTION\_OF\_MOLECULAR\_OXYGEN\_TO\_TWO\_MOLECULES\_OF\_WATER  
REACTOME\_NETRIN\_MEDIATED\_REPULSION\_SIGNALS, REACTOME\_NETRIN\_MEDIATED\_REPULSION\_SIGNALS  
GOMF\_TAU\_PROTEIN\_KINASE\_ACTIVITY, GOMF\_TAU\_PROTEIN\_KINASE\_ACTIVITY  
GOMF\_PHOSPHATIDYLETHANOLAMINE\_BINDING, GOMF\_PHOSPHATIDYLETHANOLAMINE\_BINDING  
HP\_ANODONTIA, HP\_ANODONTIA  
GOBP\_CONVERGENT\_EXTENSION, GOBP\_CONVERGENT\_EXTENSION  
CAO\_BLOOD\_FLUMIST\_AGE\_05\_14YO\_CORRELATED\_WITH\_H3N2\_VN\_TITER\_7DY\_POSITIVE, CAO\_BLOOD\_FLUMIST\_AGE\_05\_14YO\_CORRELATED\_WITH\_H3N2\_VN\_TITER\_7DY\_POSITIVE  
GOBP\_NEURAL\_PLATE\_DEVELOPMENT, GOBP\_NEURAL\_PLATE\_DEVELOPMENT  
MIR4258, MIR4258  
HP\_AMEGAKARYOCYTIC\_THROMBOCYTOPENIA, HP\_AMEGAKARYOCYTIC\_THROMBOCYTOPENIA  
HP\_PROXIMAL\_SYMPHALANGISM, HP\_PROXIMAL\_SYMPHALANGISM  
GOBP\_ENDOPLASMIC\_RETICULUM\_PLASMA\_MEMBRANE\_TETHERING, GOBP\_ENDOPLASMIC\_RETICULUM\_PLASMA\_MEMBRANE\_TETHERING  
GOMF\_PEPTIDE\_HORMONE\_RECEPTOR\_BINDING, GOMF\_PEPTIDE\_HORMONE\_RECEPTOR\_BINDING  
REACTOME\_SIGNALING\_BY\_NTRK2\_TRKB, REACTOME\_SIGNALING\_BY\_NTRK2\_TRKB  
HP\_ELBOW\_ANKYLOSIS, HP\_ELBOW\_ANKYLOSIS  
GOBP\_MIDBRAIN\_HINDBRAIN\_BOUNDARY\_DEVELOPMENT, GOBP\_MIDBRAIN\_HINDBRAIN\_BOUNDARY\_DEVELOPMENT  
REACTOME\_FRS\_MEDIATED\_FGFR3\_SIGNALING, REACTOME\_FRS\_MEDIATED\_FGFR3\_SIGNALING  
REACTOME\_FRS\_MEDIATED\_FGFR4\_SIGNALING, REACTOME\_FRS\_MEDIATED\_FGFR4\_SIGNALING  
GOBP\_REGULATION\_OF\_URINE\_VOLUME, GOBP\_REGULATION\_OF\_URINE\_VOLUME