

TUMOR\_MONOCYTE\_BALBC\_DN, GSE21927\_C26GM\_VS\_4T1\_TUMOR\_MONOCYTE\_BALBC\_DN

GSE21927\_SPLEEN\_C57BL6\_VS\_E14\_TUMOR\_BALBC\_MONOCYTES\_UP, GSE21927\_SPLEEN\_C57BL6\_VS\_E14\_TUMOR\_BALBC\_MONOCYTES\_UP  
GSE46468\_LUNG\_INNATE\_LYMPHOID\_CELL\_VS\_SPLEEN\_CD4\_TCELL\_UP, GSE46468\_LUNG\_INNATE\_LYMPHOID\_CELL\_VS\_SPLEEN\_CD4\_TCELL\_UP  
GSE25123\_CTRL\_VS\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_UP, GSE25123\_CTRL\_VS\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_UP  
GSE45881\_CXCR6HI\_VS\_CXCR1LO\_COLONIC\_LAMINA\_PROPRIA\_UP, GSE45881\_CXCR6HI\_VS\_CXCR1LO\_COLONIC\_LAMINA\_PROPRIA\_UP  
GSE28726\_ACT\_CD4\_TCELL\_VS\_ACT\_VA24NEG\_NKTCCELL\_DN, GSE28726\_ACT\_CD4\_TCELL\_VS\_ACT\_VA24NEG\_NKTCCELL\_DN  
GSE41867\_DAY6\_EFFECTOR\_VS\_DAY30\_MEMORY\_CD8\_TCELL\_LCMV\_ARMSTRONG\_UP, GSE41867\_DAY6\_EFFECTOR\_VS\_DAY30\_MEMORY\_CD8\_TCELL\_LCMV\_ARMSTRONG\_UP  
GSE19888\_ADENOSINE\_A3R\_INH\_PRETREAT\_AND\_ACT\_BY\_A3R\_VS\_A3R\_INH\_AND\_TCELL\_MEMBRANES\_ACT\_MAST\_CELL\_UP, GSE19888\_ADENOSINE\_A3R\_INH\_PRETREAT\_AND\_ACT\_BY\_A3R\_VS\_A3R\_INH\_AND\_TCELL\_MEMBRANES\_A  
GSE28726\_ACT\_CD4\_TCELL\_VS\_ACT\_NKTCCELL\_DN, GSE28726\_ACT\_CD4\_TCELL\_VS\_ACT\_NKTCCELL\_DN  
GSE21670\_UNTREATED\_VS\_IL6\_TREATED\_CD4\_TCELL\_DN, GSE21670\_UNTREATED\_VS\_IL6\_TREATED\_CD4\_TCELL\_DN  
GSE21927\_SPLENIC\_VS\_TUMOR\_MONOCYTES\_FROM\_C26GM\_TUMOROUS\_MICE\_BALBC\_DN, GSE21927\_SPLENIC\_VS\_TUMOR\_MONOCYTES\_FROM\_C26GM\_TUMOROUS\_MICE\_BALBC\_DN  
GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTILIL12\_24H\_CD4\_TCELL\_UP, GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTILIL12\_24H\_CD4\_TCELL\_UP  
GSE2770\_TGFB\_AND\_IL4\_VS\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_UP, GSE2770\_TGFB\_AND\_IL4\_VS\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_UP  
GSE37416\_CTRL\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP, GSE37416\_CTRL\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP  
GSE22886\_UNSTIM\_VS\_STIM\_MEMORY\_TCELL\_UP, GSE22886\_UNSTIM\_VS\_STIM\_MEMORY\_TCELL\_UP  
GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_2H\_DN, GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_2H\_DN  
GSE32986\_UNSTIM\_VS\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_STIM\_DC\_DN, GSE32986\_UNSTIM\_VS\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_STIM\_DC\_DN  
GSE36476\_CTRL\_VS\_TSST\_ACT\_72H\_MEMORY\_CD4\_TCELL\_YOUNG\_UP, GSE36476\_CTRL\_VS\_TSST\_ACT\_72H\_MEMORY\_CD4\_TCELL\_YOUNG\_UP  
GSE24634\_TEFF\_VS\_TCONV\_DAY5\_IN\_CULTURE\_DN, GSE24634\_TEFF\_VS\_TCONV\_DAY5\_IN\_CULTURE\_DN  
GSE27291\_0H\_VS\_7D\_STIM\_GAMMADELTA\_TCELL\_DN, GSE27291\_0H\_VS\_7D\_STIM\_GAMMADELTA\_TCELL\_DN  
GSE17974\_0H\_VS\_2H\_IN\_VITRO\_ACT\_CD4\_TCELL\_UP, GSE17974\_0H\_VS\_2H\_IN\_VITRO\_ACT\_CD4\_TCELL\_UP  
GSE17301\_IFNA2\_VS\_IFNA2\_AND\_ACD3\_ACD28\_STIM\_CD8\_TCELL\_UP, GSE17301\_IFNA2\_VS\_IFNA2\_AND\_ACD3\_ACD28\_STIM\_CD8\_TCELL\_UP  
GSE16385\_IFNG\_TNF\_VS\_UNSTIM\_MACROPHAGE\_ROSIGLITAZONE\_TREATED\_DN, GSE16385\_IFNG\_TNF\_VS\_UNSTIM\_MACROPHAGE\_ROSIGLITAZONE\_TREATED\_DN  
GSE25088\_WT\_VS\_STAT6\_KO\_MACROPHAGE\_IL4\_STIM\_UP, GSE25088\_WT\_VS\_STAT6\_KO\_MACROPHAGE\_IL4\_STIM\_UP  
GSE22886\_NAIVE\_CD4\_TCELL\_VS\_12H\_ACT\_TH1\_UP, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_12H\_ACT\_TH1\_UP  
GSE16385\_ROSIGLITAZONE\_IL4\_VS\_IFNG\_TNF\_STIM\_MACROPHAGE\_UP, GSE16385\_ROSIGLITAZONE\_IL4\_VS\_IFNG\_TNF\_STIM\_MACROPHAGE\_UP  
GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTILIL12\_4H\_CD4\_TCELL\_UP, GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTILIL12\_4H\_CD4\_TCELL\_UP  
GSE9037\_CTRL\_VS\_LPS\_1H\_STIM\_BMDM\_UP, GSE9037\_CTRL\_VS\_LPS\_1H\_STIM\_BMDM\_UP  
MTOR\_UP.N4.V1\_DN, MTOR\_UP.N4.V1\_DN  
GSE22886\_NAIVE\_CD4\_TCELL\_VS\_12H\_ACT\_TH2\_UP, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_12H\_ACT\_TH2\_UP  
GSE1460\_INTRATHYMIC\_T\_PROGENITOR\_VS\_NAIVE\_CD4\_TCELL\_ADULT\_BLOOD\_DN, GSE1460\_INTRATHYMIC\_T\_PROGENITOR\_VS\_NAIVE\_CD4\_TCELL\_ADULT\_BLOOD\_DN  
GSE3982\_MAST\_CELL\_VS\_BASOPHIL\_DN, GSE3982\_MAST\_CELL\_VS\_BASOPHIL\_DN  
GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTILIL12\_2H\_CD4\_TCELL\_UP, GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTILIL12\_2H\_CD4\_TCELL\_UP  
GSE3720\_UNSTIM\_VS\_LPS\_STIM\_VD1\_GAMMADELTA\_TCELL\_UP, GSE3720\_UNSTIM\_VS\_LPS\_STIM\_VD1\_GAMMADELTA\_TCELL\_UP  
GSE21774\_CD56\_BRIGHT\_VS\_DIM\_CD62L\_POSITIVE\_NK\_CELL\_UP, GSE21774\_CD56\_BRIGHT\_VS\_DIM\_CD62L\_POSITIVE\_NK\_CELL\_UP  
GSE17186\_NAIVE\_VS\_CD21HIGH\_TRANSITIONAL\_BCELL\_CORD\_BLOOD\_DN, GSE17186\_NAIVE\_VS\_CD21HIGH\_TRANSITIONAL\_BCELL\_CORD\_BLOOD\_DN  
GSE15930\_STIM\_VS\_STIM\_AND\_IL12\_72H\_CD8\_T\_CELL\_UP, GSE15930\_STIM\_VS\_STIM\_AND\_IL12\_72H\_CD8\_T\_CELL\_UP  
GSE21774\_CD62L\_POS\_CD56\_BRIGHT\_VS\_CD62L\_NEG\_CD56\_DIM\_NK\_CELL\_DN, GSE21774\_CD62L\_POS\_CD56\_BRIGHT\_VS\_CD62L\_NEG\_CD56\_DIM\_NK\_CELL\_DN  
GSE25123\_IL4\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DAY10\_DN, GSE25123\_IL4\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DAY10\_DN  
GSE17974\_0H\_VS\_4H\_IN\_VITRO\_ACT\_CD4\_TCELL\_UP, GSE17974\_0H\_VS\_4H\_IN\_VITRO\_ACT\_CD4\_TCELL\_UP  
GSE36476\_YOUNG\_VS\_OLD\_DONOR\_MEMORY\_CD4\_TCELL\_72H\_TSST\_ACT\_DN, GSE36476\_YOUNG\_VS\_OLD\_DONOR\_MEMORY\_CD4\_TCELL\_72H\_TSST\_ACT\_DN  
GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_UP, GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_UP  
GSE36476\_CTRL\_VS\_TSST\_ACT\_40H\_MEMORY\_CD4\_TCELL\_OLD\_UP, GSE36476\_CTRL\_VS\_TSST\_ACT\_40H\_MEMORY\_CD4\_TCELL\_OLD\_UP  
GSE3982\_CENT\_MEMORY\_CD4\_TCELL\_VS\_TH2\_UP, GSE3982\_CENT\_MEMORY\_CD4\_TCELL\_VS\_TH2\_UP  
GSE22611\_UNSTIM\_VS\_2H\_MDP\_STIM\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP, GSE22611\_UNSTIM\_VS\_2H\_MDP\_STIM\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP  
GSE22886\_NAIVE\_CD8\_TCELL\_VS\_MEMORY\_TCELL\_UP, GSE22886\_NAIVE\_CD8\_TCELL\_VS\_MEMORY\_TCELL\_UP  
GSE22886\_NAIVE\_VS\_MEMORY\_TCELL\_UP, GSE22886\_NAIVE\_VS\_MEMORY\_TCELL\_UP  
GSE3982\_BCELL\_VS\_TH2\_UP, GSE3982\_BCELL\_VS\_TH2\_UP  
GSE17721\_LPS\_VS\_POLYIC\_12H\_BMDC\_DN, GSE17721\_LPS\_VS\_POLYIC\_12H\_BMDC\_DN  
KYNG\_DNA\_DAMAGE\_DN, KYNG\_DNA\_DAMAGE\_DN  
GTGTTGA\_MIR505, GTGTTGA\_MIR505  
REACTOME\_DEATH\_RECEPTOR\_SIGNALLING, REACTOME\_DEATH\_RECEPTOR\_SIGNALLING  
GSE21063\_3H\_VS\_16H\_ANTLIGM\_STIM\_BCELL\_UP, GSE21063\_3H\_VS\_16H\_ANTLIGM\_STIM\_BCELL\_UP  
GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_24H\_UP, GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_24H\_UP  
MIR7114\_5P, MIR7114\_5P  
MIR3064\_3P, MIR3064\_3P  
GSE36476\_CTRL\_VS\_TSST\_ACT\_16H\_MEMORY\_CD4\_TCELL\_OLD\_UP, GSE36476\_CTRL\_VS\_TSST\_ACT\_16H\_MEMORY\_CD4\_TCELL\_OLD\_UP  
MIR216A\_5P, MIR216A\_5P  
GNF2\_DDX5, GNF2\_DDX5  
GOBP\_ACTOMYOSIN\_STRUCTURE\_ORGANIZATION, GOBP\_ACTOMYOSIN\_STRUCTURE\_ORGANIZATION  
REACTOME\_RAC3\_GTPASE\_CYCLE, REACTOME\_RAC3\_GTPASE\_CYCLE  
HP\_ABNORMALITY\_OF\_THE\_SEPTUM\_PELLUCIDUM, HP\_ABNORMALITY\_OF\_THE\_SEPTUM\_PELLUCIDUM  
GSE22886\_CD8\_VS\_CD4\_NAIVE\_TCELL\_DN, GSE22886\_CD8\_VS\_CD4\_NAIVE\_TCELL\_DN  
MIR6828\_3P, MIR6828\_3P  
GNF2\_BNIP2, GNF2\_BNIP2  
REACTOME\_P75\_NTR\_RECEPTOR\_MEDIATED\_SIGNALLING, REACTOME\_P75\_NTR\_RECEPTOR\_MEDIATED\_SIGNALLING  
LIU\_SOX4\_TARGETS\_UP, LIU\_SOX4\_TARGETS\_UP  
MIR3678\_3P, MIR3678\_3P  
GSE14415\_NATURAL\_TREG\_VS\_FOXP3\_KO\_NATURAL\_TREG\_DN, GSE14415\_NATURAL\_TREG\_VS\_FOXP3\_KO\_NATURAL\_TREG\_DN  
HP\_ABNORMALITY\_OF\_THE\_MAXILLA, HP\_ABNORMALITY\_OF\_THE\_MAXILLA  
GSE15930\_STIM\_VS\_STIM\_AND\_IFNAB\_72H\_CD8\_T\_CELL\_UP, GSE15930\_STIM\_VS\_STIM\_AND\_IFNAB\_72H\_CD8\_T\_CELL\_UP  
GOBP\_NOTCH\_SIGNALING\_PATHWAY, GOBP\_NOTCH\_SIGNALING\_PATHWAY  
HP\_EEG\_WITH\_SPIKE\_WAVE\_COMPLEXES, HP\_EEG\_WITH\_SPIKE\_WAVE\_COMPLEXES  
REACTOME\_NRAGE\_SIGNALS\_DEATH\_THROUGH\_JNK, REACTOME\_NRAGE\_SIGNALS\_DEATH\_THROUGH\_JNK  
YAO\_TEMPORAL\_RESPONSE\_TO\_PROGESTERONE\_CLUSTER\_6, YAO\_TEMPORAL\_RESPONSE\_TO\_PROGESTERONE\_CLUSTER\_6  
HP\_SKIN\_TAGS, HP\_SKIN\_TAGS  
YBX1\_TARGET\_GENES, YBX1\_TARGET\_GENES  
MIR4450, MIR4450  
GOBP\_NEGATIVE\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_PRODUCTION, GOBP\_NEGATIVE\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_PRODUCTION  
CHEBOTAEV\_GR\_TARGETS\_DN, CHEBOTAEV\_GR\_TARGETS\_DN  
MIR8083, MIR8083  
GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_2H\_DN, GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_2H\_DN  
GSE45365\_BCELL\_VS\_CD8\_TCELL\_UP, GSE45365\_BCELL\_VS\_CD8\_TCELL\_UP  
GOBP\_REGULATION\_OF\_PROTEIN\_DEPOLYMERIZATION, GOBP\_REGULATION\_OF\_PROTEIN\_DEPOLYMERIZATION  
GOBP\_NEGATIVE\_REGULATION\_OF\_PROTEIN\_CONTAINING\_COMPLEX\_DISASSEMBLY, GOBP\_NEGATIVE\_REGULATION\_OF\_PROTEIN\_CONTAINING\_COMPLEX\_DISASSEMBLY  
MIR6805\_5P, MIR6805\_5P  
PID\_IL23\_PATHWAY, PID\_IL23\_PATHWAY  
GOBP\_BODY\_MORPHOGENESIS, GOBP\_BODY\_MORPHOGENESIS  
GOBP\_HEAD\_MORPHOGENESIS, GOBP\_HEAD\_MORPHOGENESIS  
GOBP\_CELLULAR\_COMPONENT\_ASSEMBLY\_INVOLVED\_IN\_MORPHOGENESIS, GOBP\_CELLULAR\_COMPONENT\_ASSEMBLY\_INVOLVED\_IN\_MORPHOGENESIS  
HP\_DEPRESSED\_NASAL\_TIP, HP\_DEPRESSED\_NASAL\_TIP  
GOBP\_REGULATION\_OF\_NOTCH\_SIGNALING\_PATHWAY, GOBP\_REGULATION\_OF\_NOTCH\_SIGNALING\_PATHWAY  
ACAWYAAAG\_UNKNOWN, ACAWYAAAG\_UNKNOWN  
MIR6732\_5P, MIR6732\_5P  
REACTOME\_NEPHRIN\_FAMILY\_INTERACTIONS, REACTOME\_NEPHRIN\_FAMILY\_INTERACTIONS  
ROPERO\_HDAC2\_TARGETS, ROPERO\_HDAC2\_TARGETS  
GOCC\_ANCHORED\_COMPONENT\_OF\_MEMBRANE, GOCC\_ANCHORED\_COMPONENT\_OF\_MEMBRANE  
GOBP\_NEURAL\_TUBE\_PATTERNING, GOBP\_NEURAL\_TUBE\_PATTERNING  
HP\_EEG\_WITH\_POLYSPIKE\_WAVE\_COMPLEXES, HP\_EEG\_WITH\_POLYSPIKE\_WAVE\_COMPLEXES  
GOBP\_NEGATIVE\_REGULATION\_OF\_SINGLE\_STRANDED\_VIRAL\_RNA\_REPLICATION\_VIA\_DOUBLE\_STRANDED\_DNA\_INTERMEDIATE, GOBP\_NEGATIVE\_REGULATION\_OF\_SINGLE\_STRANDED\_VIRAL\_RNA\_REPLICATION\_VIA\_DOUBLE\_S  
PID\_HEDGEHOG\_2PATHWAY, PID\_HEDGEHOG\_2PATHWAY  
MORF\_FLT1, MORF\_FLT1  
GOMF\_PEPTIDASE\_ACTIVATOR\_ACTIVITY\_INVOLVED\_IN\_APOPTOTIC\_PROCESS, GOMF\_PEPTIDASE\_ACTIVATOR\_ACTIVITY\_INVOLVED\_IN\_APOPTOTIC\_PROCESS  
PID\_EPHA2\_FWD\_PATHWAY, PID\_EPHA2\_FWD\_PATHWAY  
WP\_15Q133\_COPY\_NUMBER\_VARIATION\_SYNDROME, WP\_15Q133\_COPY\_NUMBER\_VARIATION\_SYNDROME  
HP\_APLASIA\_HYPOPLASIA\_OF\_THE\_NASAL\_SEPTUM, HP\_APLASIA\_HYPOPLASIA\_OF\_THE\_NASAL\_SEPTUM  
GOBP\_SMOOTH\_MUSCLE\_TISSUE\_DEVELOPMENT, GOBP\_SMOOTH\_MUSCLE\_TISSUE\_DEVELOPMENT  
HP\_MILIA, HP\_MILIA  
GOBP\_T\_CELL\_TOLERANCE\_INDUCION, GOBP\_T\_CELL\_TOLERANCE\_INDUCION  
REACTOME\_GLI\_PROTEINS\_BIND\_PROMOTERS\_OF\_HH\_RESPONSIVE\_GENES\_TO\_PROMOTE\_TRANSCRIPTION, REACTOME\_GLI\_PROTEINS\_BIND\_PROMOTERS\_OF\_HH\_RESPONSIVE\_GENES\_TO\_PROMOTE\_TRANSCRIPTION  
HP\_ABNORMAL\_RIGHT\_VENTRICULAR\_FUNCTION, HP\_ABNORMAL\_RIGHT\_VENTRICULAR\_FUNCTION  
HP\_LIMBAL\_STEM\_CELL\_DEFICIENCY, HP\_LIMBAL\_STEM\_CELL\_DEFICIENCY  
REACTOME\_ALPHA\_DEFENSINS, REACTOME\_ALPHA\_DEFENSINS  
HP\_CALCIFICATION\_OF\_FALX\_CEREBRI, HP\_CALCIFICATION\_OF\_FALX\_CEREBRI  
BIOCARTA\_CTLA4\_PATHWAY, BIOCARTA\_CTLA4\_PATHWAY