

F\_AND\_IFNG\_STIM\_NEUTROPHIL\_UP, GSE22103\_LPS\_VS\_GMCSF\_AND\_IFNG\_STIM\_NEUTROPHIL\_UP

GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL6\_KO\_MACROPHAGE\_45MIN\_UP, GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL6\_KO\_MACROPHAGE\_45MIN\_UP  
GSE22589\_HEALTHY\_VS\_HIV\_AND\_SIV\_INFECTED\_DC\_DN, GSE22589\_HEALTHY\_VS\_HIV\_AND\_SIV\_INFECTED\_DC\_DN  
GSE23695\_CD57\_POS\_VS\_NEG\_NK\_CELL\_DN, GSE23695\_CD57\_POS\_VS\_NEG\_NK\_CELL\_DN  
MIR4255, MIR4255  
GSE5589\_IL6\_KO\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_180MIN\_UP, GSE5589\_IL6\_KO\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_180MIN\_UP  
GSE19941\_IL10\_KO\_VS\_IL10\_KO\_AND\_NFKBP50\_KO\_LPS\_STIM\_MACROPHAGE\_DN, GSE19941\_IL10\_KO\_VS\_IL10\_KO\_AND\_NFKBP50\_KO\_LPS\_STIM\_MACROPHAGE\_DN  
GSE11057\_NAIVE\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN, GSE11057\_NAIVE\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN  
MIR518C\_5P, MIR518C\_5P  
MIR1251\_3P, MIR1251\_3P  
HALLMARK\_UV\_RESPONSE\_DN, HALLMARK\_UV\_RESPONSE\_DN  
GSE44649\_WT\_VS\_MIR155\_KO\_ACTIVATED\_CD8\_TCELL\_DN, GSE44649\_WT\_VS\_MIR155\_KO\_ACTIVATED\_CD8\_TCELL\_DN  
HP\_ORGANIC\_ACIDURIA, HP\_ORGANIC\_ACIDURIA  
GSE27092\_WT\_VS\_HDAC7\_PHOSPHO\_DEFICIENT\_CD8\_TCELL\_DN, GSE27092\_WT\_VS\_HDAC7\_PHOSPHO\_DEFICIENT\_CD8\_TCELL\_DN  
HP\_CHOREOATHETOSIS, HP\_CHOREOATHETOSIS  
MIR5571\_5P, MIR5571\_5P  
HP\_CORTICAL\_DYSPLASIA, HP\_CORTICAL\_DYSPLASIA  
GSE12366\_NAIVE\_VS\_MEMORY\_BCELL\_UP, GSE12366\_NAIVE\_VS\_MEMORY\_BCELL\_UP  
GOBP\_POSITIVE\_REGULATION\_OF\_NEURON\_PROJECTION\_DEVELOPMENT, GOBP\_POSITIVE\_REGULATION\_OF\_NEURON\_PROJECTION\_DEVELOPMENT  
ZAK\_PBMK\_MRKA5\_HIV\_1\_GAG\_POL\_NEF\_AGE\_20\_50YO\_CORRELATED\_WITH\_CD8\_T\_CELL\_RESPONSE\_3DY\_POSITIVE, ZAK\_PBMK\_MRKA5\_HIV\_1\_GAG\_POL\_NEF\_AGE\_20\_50YO\_CORRELATED\_WITH\_CD8\_T\_CELL\_RESPONSE\_3DY\_POSITIVE  
GOBP\_LONG\_CHAIN\_FATTY\_ACID\_METABOLIC\_PROCESS, GOBP\_LONG\_CHAIN\_FATTY\_ACID\_METABOLIC\_PROCESS  
HP\_PROPORTIONATE\_SHORT\_STATUTE, HP\_PROPORTIONATE\_SHORT\_STATUTE  
GSE15659\_NAIVE\_CD4\_TCELL\_VS\_RESTING\_TREG\_UP, GSE15659\_NAIVE\_CD4\_TCELL\_VS\_RESTING\_TREG\_UP  
MIR4660, MIR4660  
MIR3977, MIR3977  
REACTOME\_RHOQ\_GTPASE\_CYCLE, REACTOME\_RHOQ\_GTPASE\_CYCLE  
MIR5587\_5P, MIR5587\_5P  
MIR34C\_3P, MIR34C\_3P  
NAKAMURA\_ADIPOGENESIS\_LATE\_UP, NAKAMURA\_ADIPOGENESIS\_LATE\_UP  
ATF\_B, ATF\_B  
ACTACCT\_MIR196A\_MIR196B, ACTACCT\_MIR196A\_MIR196B  
HP\_CUTIS\_LAXA, HP\_CUTIS\_LAXA  
GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_MDC\_UP, GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_MDC\_UP  
GOBP\_OLEFINIC\_COMPOUND\_METABOLIC\_PROCESS, GOBP\_OLEFINIC\_COMPOUND\_METABOLIC\_PROCESS  
GOBP\_ENDOTHELIUM\_DEVELOPMENT, GOBP\_ENDOTHELIUM\_DEVELOPMENT  
HP\_NEOPLASM\_OF\_THE\_ADRENAL\_GLAND, HP\_NEOPLASM\_OF\_THE\_ADRENAL\_GLAND  
HP\_ANGIOFIBROMAS, HP\_ANGIOFIBROMAS  
TTANWNANTGGM\_UNKNOWN, TTANWNANTGGM\_UNKNOWN  
MIR4501, MIR4501  
KEGG\_PROPANOATE\_METABOLISM, KEGG\_PROPANOATE\_METABOLISM  
GOBP\_REGULATION\_OF\_RHO\_PROTEIN\_SIGNAL\_TRANSDUCTION, GOBP\_REGULATION\_OF\_RHO\_PROTEIN\_SIGNAL\_TRANSDUCTION  
GOBP\_REGULATION\_OF\_POSTSYNAPSE\_ORGANIZATION, GOBP\_REGULATION\_OF\_POSTSYNAPSE\_ORGANIZATION  
MIR4713\_3P, MIR4713\_3P  
MIR4740\_5P, MIR4740\_5P  
GOBP\_SULFUR\_COMPOUND\_CATABOLIC\_PROCESS, GOBP\_SULFUR\_COMPOUND\_CATABOLIC\_PROCESS  
SARTIPY\_BLUNTED\_BY\_INSULIN\_RESISTANCE\_DN, SARTIPY\_BLUNTED\_BY\_INSULIN\_RESISTANCE\_DN  
GOBP\_CHROMATIN\_SILENCING\_AT\_TELOMERE, GOBP\_CHROMATIN\_SILENCING\_AT\_TELOMERE  
MIR18B\_3P, MIR18B\_3P  
HP\_HYPERCALCEMIA, HP\_HYPERCALCEMIA  
MCCABE\_HOXC6\_TARGETS\_DN, MCCABE\_HOXC6\_TARGETS\_DN  
GOMF\_PHOSPHATIDYLINOSITOL\_3\_5\_BISPHOSPHATE\_BINDING, GOMF\_PHOSPHATIDYLINOSITOL\_3\_5\_BISPHOSPHATE\_BINDING  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_PURPLE\_DN, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_PURPLE\_DN  
HP\_SEVERE\_FAILURE\_TO\_THRIVE, HP\_SEVERE\_FAILURE\_TO\_THRIVE  
REACTOME\_BETA\_OXIDATION\_OF\_VERY\_LONG\_CHAIN\_FATTY\_ACIDS, REACTOME\_BETA\_OXIDATION\_OF\_VERY\_LONG\_CHAIN\_FATTY\_ACIDS  
GOBP\_FATTY\_ACID\_ELONGATION, GOBP\_FATTY\_ACID\_ELONGATION  
ZHENG\_IL22\_SIGNALING\_DN, ZHENG\_IL22\_SIGNALING\_DN  
HU\_FETAL\_RETINA\_HORIZONTAL, HU\_FETAL\_RETINA\_HORIZONTAL  
GOMF\_CAMP\_BINDING, GOMF\_CAMP\_BINDING  
LE\_SKI\_TARGETS\_UP, LE\_SKI\_TARGETS\_UP  
GOBP\_VASCULAR\_ENDOTHELIAL\_GROWTH\_FACTOR\_SIGNALING\_PATHWAY, GOBP\_VASCULAR\_ENDOTHELIAL\_GROWTH\_FACTOR\_SIGNALING\_PATHWAY  
GOBP\_REGULATION\_OF\_PROTEIN\_KINASE\_A\_SIGNALING, GOBP\_REGULATION\_OF\_PROTEIN\_KINASE\_A\_SIGNALING  
GOBP\_GLIAL\_CELL\_APOPTOTIC\_PROCESS, GOBP\_GLIAL\_CELL\_APOPTOTIC\_PROCESS  
GOBP\_LEFT\_RIGHT\_PATTERN\_FORMATION, GOBP\_LEFT\_RIGHT\_PATTERN\_FORMATION  
GOBP\_ALPHA\_LINOLENIC\_ACID\_METABOLIC\_PROCESS, GOBP\_ALPHA\_LINOLENIC\_ACID\_METABOLIC\_PROCESS  
REACTOME\_ALPHA\_LINOLENIC\_OMEGA3\_AND\_LINOLEIC\_OMEGA6\_ACID\_METABOLISM, REACTOME\_ALPHA\_LINOLENIC\_OMEGA3\_AND\_LINOLEIC\_OMEGA6\_ACID\_METABOLISM  
GOMF\_MAGNESIUM\_ION\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY, GOMF\_MAGNESIUM\_ION\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY  
GOBP\_MAGNESIUM\_ION\_TRANSPORT, GOBP\_MAGNESIUM\_ION\_TRANSPORT  
KAPOS\_LIVER\_CANCER\_MET\_UP, KAPOS\_LIVER\_CANCER\_MET\_UP  
GOBP\_RESPONSE\_TO\_LEAD\_ION, GOBP\_RESPONSE\_TO\_LEAD\_ION  
GOBP\_HEMATOPOIETIC\_STEM\_CELL\_PROLIFERATION, GOBP\_HEMATOPOIETIC\_STEM\_CELL\_PROLIFERATION  
GOBP\_MYOBLAST\_PROLIFERATION, GOBP\_MYOBLAST\_PROLIFERATION  
BIOCARTA\_MCALPAIN\_PATHWAY, BIOCARTA\_MCALPAIN\_PATHWAY  
GOBP\_INTERLEUKIN\_21\_PRODUCTION, GOBP\_INTERLEUKIN\_21\_PRODUCTION  
REACTOME\_TRANSCRIPTIONAL\_REGULATION\_OF\_PLURIPOTENT\_STEM\_CELLS, REACTOME\_TRANSCRIPTIONAL\_REGULATION\_OF\_PLURIPOTENT\_STEM\_CELLS  
GOBP\_ENTEROENDOCRINE\_CELL\_DIFFERENTIATION, GOBP\_ENTEROENDOCRINE\_CELL\_DIFFERENTIATION  
GOBP\_CELLULAR\_RESPONSE\_TO\_MAGNESIUM\_ION, GOBP\_CELLULAR\_RESPONSE\_TO\_MAGNESIUM\_ION  
GOBP\_REGULATION\_OF\_INNER\_EAR\_AUDITORY\_RECEPTOR\_CELL\_DIFFERENTIATION, GOBP\_REGULATION\_OF\_INNER\_EAR\_AUDITORY\_RECEPTOR\_CELL\_DIFFERENTIATION  
GOBP\_CARDIAC\_MUSCLE\_TISSUE\_REGENERATION, GOBP\_CARDIAC\_MUSCLE\_TISSUE\_REGENERATION  
HP\_OROMOTOR\_APRAXIA, HP\_OROMOTOR\_APRAXIA  
HP\_ABNORMALITY\_OF\_THE\_MIDDLE\_PHALANGES\_OF\_THE\_TOES, HP\_ABNORMALITY\_OF\_THE\_MIDDLE\_PHALANGES\_OF\_THE\_TOES  
HP\_ABNORMAL\_PERIFOLLICULAR\_MORPHOLOGY, HP\_ABNORMAL\_PERIFOLLICULAR\_MORPHOLOGY  
GOBP\_POSITIVE\_REGULATION\_OF\_FATTY\_ACID\_BIOSYNTHETIC\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_FATTY\_ACID\_BIOSYNTHETIC\_PROCESS  
TESAR\_ALK\_TARGETS\_HUMAN\_ES\_5D\_UP, TESAR\_ALK\_TARGETS\_HUMAN\_ES\_5D\_UP  
HOEK\_T\_CELL\_2011\_2012\_TIV\_ADULT\_7DY\_UP, HOEK\_T\_CELL\_2011\_2012\_TIV\_ADULT\_7DY\_UP  
GOBP\_CORNEA\_DEVELOPMENT\_IN\_CAMERA\_TYPE\_EYE, GOBP\_CORNEA\_DEVELOPMENT\_IN\_CAMERA\_TYPE\_EYE  
TESAR\_ALK\_TARGETS\_EPISC\_4D\_UP, TESAR\_ALK\_TARGETS\_EPISC\_4D\_UP  
chr3q13, chr3q13  
GOBP\_NEGATIVE\_REGULATION\_OF\_T\_CELL\_DIFFERENTIATION\_IN\_THYMUS, GOBP\_NEGATIVE\_REGULATION\_OF\_T\_CELL\_DIFFERENTIATION\_IN\_THYMUS  
GOBP\_DORSAL\_SPINAL\_CORD\_DEVELOPMENT, GOBP\_DORSAL\_SPINAL\_CORD\_DEVELOPMENT  
GOBP\_MAGNESIUM\_ION\_HOMEOSTASIS, GOBP\_MAGNESIUM\_ION\_HOMEOSTASIS  
NAKAMURA\_ALVEOLAR\_EPITHELIUM, NAKAMURA\_ALVEOLAR\_EPITHELIUM  
GOMF\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_PAIRED\_DONORS\_WITH\_INCORPORATION\_OR\_REDUCTION\_OF\_MOLECULAR\_OXYGEN\_REDUCED\_ASCORBATE\_AS\_ONE\_DONOR\_AND\_INCORPORATION\_OF\_ONE\_ATOM\_OF\_OXYGEN, GOMF\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_PAIRED\_DONORS\_WITH\_INCORPORATION\_OR\_REDUCTION\_OF\_MOLECULAR\_OXYGEN\_REDUCED\_ASCORBATE\_AS\_ONE\_DONOR\_AND\_INCORPORATION\_OF\_ONE\_ATOM\_OF\_OXYGEN  
GOMF\_DITP\_DIPHOSPHATASE\_ACTIVITY, GOMF\_DITP\_DIPHOSPHATASE\_ACTIVITY  
TESAR\_ALK\_AND\_JAK\_TARGETS\_MOUSE\_ES\_D4\_UP, TESAR\_ALK\_AND\_JAK\_TARGETS\_MOUSE\_ES\_D4\_UP  
HP\_SUBUNGUAL\_HYPERKERATOSIS, HP\_SUBUNGUAL\_HYPERKERATOSIS  
HP\_REMNANTS\_OF\_THE\_HYALOID\_VASCULAR\_SYSTEM, HP\_REMNANTS\_OF\_THE\_HYALOID\_VASCULAR\_SYSTEM  
GOBP\_PANCREATIC\_A\_CELL\_DIFFERENTIATION, GOBP\_PANCREATIC\_A\_CELL\_DIFFERENTIATION  
GOBP\_NEGATIVE\_REGULATION\_OF\_REACTIVE\_OXYGEN\_SPECIES\_BIOSYNTHETIC\_PROCESS, GOBP\_NEGATIVE\_REGULATION\_OF\_REACTIVE\_OXYGEN\_SPECIES\_BIOSYNTHETIC\_PROCESS  
HP\_CHIN\_WITH\_HORIZONTAL\_CREASE, HP\_CHIN\_WITH\_HORIZONTAL\_CREASE  
GOBP\_REGULATION\_OF\_SOMITOGENESIS, GOBP\_REGULATION\_OF\_SOMITOGENESIS  
chr5q21, chr5q21  
GOBP\_LOOP\_OF\_HENLE\_DEVELOPMENT, GOBP\_LOOP\_OF\_HENLE\_DEVELOPMENT