

MPHOID\_CELL\_VS\_SPLEEN\_CD4\_TCELL\_UP, GSE46468\_LUNG\_INNATE\_LYMPHOID\_CELL\_VS\_SPLEEN\_CD4\_TCELL\_UP

GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL6\_KO\_MACROPHAGE\_180MIN\_UP, GSE5589\_LPS\_VS\_LPS\_AND\_IL10\_STIM\_IL6\_KO\_MACROPHAGE\_180MIN\_UP  
GSE37416\_CTRL\_VS\_12H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP, GSE37416\_CTRL\_VS\_12H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP  
GSE32533\_WT\_VS\_MIR17\_OVEREXPRESS\_ACT\_CD4\_TCELL\_UP, GSE32533\_WT\_VS\_MIR17\_OVEREXPRESS\_ACT\_CD4\_TCELL\_UP  
GSE24102\_GRANULOCYSTIC\_MDSC\_VS\_NEUTROPHIL\_UP, GSE24102\_GRANULOCYSTIC\_MDSC\_VS\_NEUTROPHIL\_UP  
GSE16522\_MEMORY\_VS\_NAIVE\_CD8\_TCELL\_UP, GSE16522\_MEMORY\_VS\_NAIVE\_CD8\_TCELL\_UP  
GSE17974\_0H\_VS\_6H\_IN\_VITRO\_ACT\_CD4\_TCELL\_UP, GSE17974\_0H\_VS\_6H\_IN\_VITRO\_ACT\_CD4\_TCELL\_UP  
GSE25088\_ROSIGLITAZONE\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DAY10\_UP, GSE25088\_ROSIGLITAZONE\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DAY10\_UP  
GSE26343\_WT\_VS\_NFAT5\_KO\_MACROPHAGE\_LPS\_STIM\_UP, GSE26343\_WT\_VS\_NFAT5\_KO\_MACROPHAGE\_LPS\_STIM\_UP  
MORF\_CDC2L5, MORF\_CDC2L5  
MORF\_ERCC2, MORF\_ERCC2  
GSE27291\_6H\_VS\_7D\_STIM\_GAMMADELTA\_TCELL\_DN, GSE27291\_6H\_VS\_7D\_STIM\_GAMMADELTA\_TCELL\_DN  
AACATTC\_MIR4093P, AACATTC\_MIR4093P  
GCM\_CHUK, GCM\_CHUK  
REACTOME\_METABOLISM\_OF\_STEROIDS, REACTOME\_METABOLISM\_OF\_STEROIDS  
MORF\_HEAB, MORF\_HEAB  
GSE33162\_UNTREATED\_VS\_4H\_LPS\_STIM\_HDAC3\_HET\_MACROPHAGE\_UP, GSE33162\_UNTREATED\_VS\_4H\_LPS\_STIM\_HDAC3\_HET\_MACROPHAGE\_UP  
GSE3982\_MAST\_CELL\_VS\_NKCELL\_DN, GSE3982\_MAST\_CELL\_VS\_NKCELL\_DN  
MIR585\_5P, MIR585\_5P  
THAKAR\_PBMCI\_NACTIVATED\_INFLUENZA\_AGE\_21\_30YO\_NONRESPONDER\_7DY\_DN, THAKAR\_PBMCI\_NACTIVATED\_INFLUENZA\_AGE\_21\_30YO\_NONRESPONDER\_7DY\_DN  
MIR4715\_3P, MIR4715\_3P  
DCA\_UP.V1\_DN, DCA\_UP.V1\_DN  
GOBP\_WATER\_SOLUBLE\_VITAMIN\_METABOLIC\_PROCESS, GOBP\_WATER\_SOLUBLE\_VITAMIN\_METABOLIC\_PROCESS  
MIR4305, MIR4305  
MIR4266, MIR4266  
ZNF239\_TARGET\_GENES, ZNF239\_TARGET\_GENES  
GOBP\_POLYOL\_METABOLIC\_PROCESS, GOBP\_POLYOL\_METABOLIC\_PROCESS  
LEF1\_UP.V1\_DN, LEF1\_UP.V1\_DN  
MIR5681A, MIR5681A  
MIR1227\_3P, MIR1227\_3P  
GOBP\_REGULATION\_OF\_CIRCADIAN\_RHYTHM, GOBP\_REGULATION\_OF\_CIRCADIAN\_RHYTHM  
RICKMAN\_TUMOR\_DIFFERENTIATED\_WELL\_VS\_MODERATELY\_UP, RICKMAN\_TUMOR\_DIFFERENTIATED\_WELL\_VS\_MODERATELY\_UP  
MIR6716\_5P, MIR6716\_5P  
IL2\_UP.V1\_DN, IL2\_UP.V1\_DN  
GSE17721\_LPS\_VS\_PAM3CSK4\_0.5H\_BMDC\_DN, GSE17721\_LPS\_VS\_PAM3CSK4\_0.5H\_BMDC\_DN  
MIR4330, MIR4330  
PID\_MAPK\_TRK\_PATHWAY, PID\_MAPK\_TRK\_PATHWAY  
MORF\_LTK, MORF\_LTK  
REACTOME\_BMAL1\_CLOCK\_NPAS2\_ACTIVATES\_CIRCADIAN\_GENE\_EXPRESSION, REACTOME\_BMAL1\_CLOCK\_NPAS2\_ACTIVATES\_CIRCADIAN\_GENE\_EXPRESSION  
MORF\_RAGE, MORF\_RAGE  
GOBP\_VITAMIN\_METABOLIC\_PROCESS, GOBP\_VITAMIN\_METABOLIC\_PROCESS  
MORF\_JAK3, MORF\_JAK3  
PAX8\_B, PAX8\_B  
GNF2\_CEBPA, GNF2\_CEBPA  
ALX4\_TARGET\_GENES, ALX4\_TARGET\_GENES  
REACTOME\_CELL\_EXTRACELLULAR\_MATRIX\_INTERACTIONS, REACTOME\_CELL\_EXTRACELLULAR\_MATRIX\_INTERACTIONS  
GOBP\_CELLULAR\_CARBOHYDRATE\_BIOSYNTHETIC\_PROCESS, GOBP\_CELLULAR\_CARBOHYDRATE\_BIOSYNTHETIC\_PROCESS  
BOYALT\_LIVER\_CANCER\_SUBCLASS\_G6\_UP, BOYALT\_LIVER\_CANCER\_SUBCLASS\_G6\_UP  
GOBP\_POLYSACCHARIDE\_BIOSYNTHETIC\_PROCESS, GOBP\_POLYSACCHARIDE\_BIOSYNTHETIC\_PROCESS  
KERLEY\_RESPONSE\_TO\_CISPLATIN\_UP, KERLEY\_RESPONSE\_TO\_CISPLATIN\_UP  
BMI1\_DN.V1\_DN, BMI1\_DN.V1\_DN  
MIR885\_3P, MIR885\_3P  
GOBP\_CARBOHYDRATE\_TRANSPORT, GOBP\_CARBOHYDRATE\_TRANSPORT  
REACTOME\_VXPX\_CARGO\_TARGETING\_TO\_CILIUM, REACTOME\_VXPX\_CARGO\_TARGETING\_TO\_CILIUM  
MIR657, MIR657  
ROY\_WOUND\_BLOOD\_VESSEL\_DN, ROY\_WOUND\_BLOOD\_VESSEL\_DN  
KEGG\_TERPENOID\_BACKBONE\_BIOSYNTHESIS, KEGG\_TERPENOID\_BACKBONE\_BIOSYNTHESIS  
GOBP\_COLUMNAR\_CUBOIDAL\_EPITHELIAL\_CELL\_DIFFERENTIATION, GOBP\_COLUMNAR\_CUBOIDAL\_EPITHELIAL\_CELL\_DIFFERENTIATION  
HP\_CHRONIC\_LUNG\_DISEASE, HP\_CHRONIC\_LUNG\_DISEASE  
LIANG\_SILENCED\_BY\_METHYLATION\_UP, LIANG\_SILENCED\_BY\_METHYLATION\_UP  
MIR370\_5P, MIR370\_5P  
GOBP\_NEGATIVE\_REGULATION\_OF\_INTERLEUKIN\_8\_PRODUCTION, GOBP\_NEGATIVE\_REGULATION\_OF\_INTERLEUKIN\_8\_PRODUCTION  
GOCC\_MYELIN\_SHEATH, GOCC\_MYELIN\_SHEATH  
MIR644A, MIR644A  
HP\_SHORTENING\_OF\_ALL\_DISTAL\_PHALANGES\_OF\_THE\_FINGERS, HP\_SHORTENING\_OF\_ALL\_DISTAL\_PHALANGES\_OF\_THE\_FINGERS  
GOMF\_ACETYLGLUCOSAMINYLTRANSFERASE\_ACTIVITY, GOMF\_ACETYLGLUCOSAMINYLTRANSFERASE\_ACTIVITY  
GNF2\_TAL1, GNF2\_TAL1  
MIR4701\_3P, MIR4701\_3P  
HP\_DIASTASIS\_RECTI, HP\_DIASTASIS\_RECTI  
MIR1262, MIR1262  
GAUCHER\_PBMCI\_YF\_VAX\_STAMARIL\_UNKNOWN\_AGE\_14DY\_DN, GAUCHER\_PBMCI\_YF\_VAX\_STAMARIL\_UNKNOWN\_AGE\_14DY\_DN  
BIOCARTA\_TOLL\_PATHWAY, BIOCARTA\_TOLL\_PATHWAY  
BIOCARTA\_CACAM\_PATHWAY, BIOCARTA\_CACAM\_PATHWAY  
MIR6784\_3P, MIR6784\_3P  
GNF2\_ANK1, GNF2\_ANK1  
GNF2\_SPTB, GNF2\_SPTB  
HP\_DIABETES\_INSIPIDUS, HP\_DIABETES\_INSIPIDUS  
MORF\_JAG1, MORF\_JAG1  
REACTOME\_MYOCLONIC\_EPILEPSY\_OF\_LAFORA, REACTOME\_MYOCLONIC\_EPILEPSY\_OF\_LAFORA  
GOMF\_TRANSLATION\_REPRESSOR\_ACTIVITY, GOMF\_TRANSLATION\_REPRESSOR\_ACTIVITY  
MIR6736\_5P, MIR6736\_5P  
GOBP\_ENTEROENDOCRINE\_CELL\_DIFFERENTIATION, GOBP\_ENTEROENDOCRINE\_CELL\_DIFFERENTIATION  
BIOCARTA\_PGC1A\_PATHWAY, BIOCARTA\_PGC1A\_PATHWAY  
GOBP\_ACUTE\_INFLAMMATORY\_RESPONSE, GOBP\_ACUTE\_INFLAMMATORY\_RESPONSE  
MOOTHA\_GLYCOGEN\_METABOLISM, MOOTHA\_GLYCOGEN\_METABOLISM  
HP\_EXAGGERATED\_STARTLE\_RESPONSE, HP\_EXAGGERATED\_STARTLE\_RESPONSE  
GOCC\_PERICENTRIOLAR\_MATERIAL, GOCC\_PERICENTRIOLAR\_MATERIAL  
WP\_NUCLEAR\_RECEPTORS, WP\_NUCLEAR\_RECEPTORS  
REACTOME\_INSULIN\_PROCESSING, REACTOME\_INSULIN\_PROCESSING  
GOCC\_BBSOME, GOCC\_BBSOME  
GOBP\_MICROTUBULE\_ANCHORING\_AT\_CENTROSOME, GOBP\_MICROTUBULE\_ANCHORING\_AT\_CENTROSOME  
YAATNANRNNNCAG\_UNKNOWN, YAATNANRNNNCAG\_UNKNOWN  
MORF\_LMO1, MORF\_LMO1  
GOBP\_MESENCHYME\_MORPHOGENESIS, GOBP\_MESENCHYME\_MORPHOGENESIS  
MIR1914\_3P, MIR1914\_3P  
GOBP\_GLANDULAR\_EPITHELIAL\_CELL\_DEVELOPMENT, GOBP\_GLANDULAR\_EPITHELIAL\_CELL\_DEVELOPMENT  
JIANG\_CORE\_DUPLICON\_GENES, JIANG\_CORE\_DUPLICON\_GENES  
GOBP\_MICROTUBULE\_ANCHORING\_AT\_MICROTUBULE\_ORGANIZING\_CENTER, GOBP\_MICROTUBULE\_ANCHORING\_AT\_MICROTUBULE\_ORGANIZING\_CENTER  
REACTOME\_GLYCOGEN\_STORAGE\_DISEASES, REACTOME\_GLYCOGEN\_STORAGE\_DISEASES  
REACTOME\_METABOLISM\_OF\_COFACTORS, REACTOME\_METABOLISM\_OF\_COFACTORS  
BERENJENO\_TRANSFORMED\_BY\_RHOA\_FOREVER\_UP, BERENJENO\_TRANSFORMED\_BY\_RHOA\_FOREVER\_UP  
GOBP\_POSITIVE\_REGULATION\_OF\_ATP\_BIOSYNTHETIC\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_ATP\_BIOSYNTHETIC\_PROCESS