

SF\_AND\_IFNG\_STIM\_NEUTROPHIL\_UP, GSE22103\_UNSTIM\_VS\_GMCSF\_AND\_IFNG\_STIM\_NEUTROPHIL\_UP

GSE23695\_CD57\_POS\_VS\_NEG\_NK\_CELL\_UP, GSE23695\_CD57\_POS\_VS\_NEG\_NK\_CELL\_UP  
GSE22935\_UNSTIM\_VS\_12H\_MBOVIS\_BCG\_STIM\_MYD88\_KO\_MACROPHAGE\_DN, GSE22935\_UNSTIM\_VS\_12H\_MBOVIS\_BCG\_STIM\_MYD88\_KO\_MACROPHAGE\_DN  
GSE27786\_LSK\_VS\_CD8\_TCELL\_UP, GSE27786\_LSK\_VS\_CD8\_TCELL\_UP  
GSE22103\_LPS\_VS\_GMCSF\_AND\_IFNG\_STIM\_NEUTROPHIL\_DN, GSE22103\_LPS\_VS\_GMCSF\_AND\_IFNG\_STIM\_NEUTROPHIL\_DN  
GSE6259\_BCELL\_VS\_CD8\_TCELL\_DN, GSE6259\_BCELL\_VS\_CD8\_TCELL\_DN  
GSE25123\_ROSIGLITAZONE\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DAY10\_UP, GSE25123\_ROSIGLITAZONE\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DAY10\_UP  
GSE2706\_UNSTIM\_VS\_2H\_R848\_DC\_UP, GSE2706\_UNSTIM\_VS\_2H\_R848\_DC\_UP  
GSE39022\_LN\_VS\_SPLEEN\_DC\_UP, GSE39022\_LN\_VS\_SPLEEN\_DC\_UP  
GSE25123\_CTRL\_VS\_IL4\_STIM\_PPARG\_KO\_MACROPHAGE\_UP, GSE25123\_CTRL\_VS\_IL4\_STIM\_PPARG\_KO\_MACROPHAGE\_UP  
MIR1910\_3P, MIR1910\_3P  
GSE5542\_UNTREATED\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_24H\_DN, GSE5542\_UNTREATED\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_24H\_DN  
GSE8835\_HEALTHY\_VS\_CLL\_CD4\_TCELL\_UP, GSE8835\_HEALTHY\_VS\_CLL\_CD4\_TCELL\_UP  
GSE31622\_WT\_VS\_KLF3\_KO\_BCELL\_DN, GSE31622\_WT\_VS\_KLF3\_KO\_BCELL\_DN  
MIR2355\_5P, MIR2355\_5P  
GSE5542\_UNTREATED\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_6H\_UP, GSE5542\_UNTREATED\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_6H\_UP  
MIR6079, MIR6079  
RODRIGUES\_NTN1\_TARGETS\_DN, RODRIGUES\_NTN1\_TARGETS\_DN  
HP\_ABNORMAL\_PHARYNX\_MORPHOLOGY, HP\_ABNORMAL\_PHARYNX\_MORPHOLOGY  
MIR6882\_3P, MIR6882\_3P  
GOMF\_NUCLEAR\_RECEPTOR\_COACTIVATOR\_ACTIVITY, GOMF\_NUCLEAR\_RECEPTOR\_COACTIVATOR\_ACTIVITY  
IWANAGA\_CARCIINOGENESIS\_BY\_KRAS\_PTEN\_UP, IWANAGA\_CARCIINOGENESIS\_BY\_KRAS\_PTEN\_UP  
MIR3158\_5P, MIR3158\_5P  
HP\_RECURRENT\_UPPER\_RESPIRATORY\_TRACT\_INFECTIONS, HP\_RECURRENT\_UPPER\_RESPIRATORY\_TRACT\_INFECTIONS  
HP\_ANOREXIA, HP\_ANOREXIA  
MIR3176, MIR3176  
MIR3922\_3P, MIR3922\_3P  
GSE7460\_FOXP3\_MUT\_VS\_HET\_ACT\_TCONV\_UP, GSE7460\_FOXP3\_MUT\_VS\_HET\_ACT\_TCONV\_UP  
MIR140\_5P, MIR140\_5P  
WP\_TRANSLATION\_INHIBITORS\_IN\_CHRONICALLY\_ACTIVATED\_PDGFRA\_CELLS, WP\_TRANSLATION\_INHIBITORS\_IN\_CHRONICALLY\_ACTIVATED\_PDGFRA\_CELLS  
GSE20366\_TREG\_VS\_NAIVE\_CD4\_TCELL\_DEC205\_CONVERSION\_DN, GSE20366\_TREG\_VS\_NAIVE\_CD4\_TCELL\_DEC205\_CONVERSION\_DN  
GOMF\_POLYUBIQUITIN\_MODIFICATION\_DEPENDENT\_PROTEIN\_BINDING, GOMF\_POLYUBIQUITIN\_MODIFICATION\_DEPENDENT\_PROTEIN\_BINDING  
AGGGCCA\_MIR328, AGGGCCA\_MIR328  
MIR5580\_5P, MIR5580\_5P  
MIR221\_5P, MIR221\_5P  
GOCC\_PCG\_PROTEIN\_COMPLEX, GOCC\_PCG\_PROTEIN\_COMPLEX  
MIR412\_3P, MIR412\_3P  
WP\_P38\_MAPK\_SIGNALING\_PATHWAY, WP\_P38\_MAPK\_SIGNALING\_PATHWAY  
BIOCARTA\_P38MAPK\_PATHWAY, BIOCARTA\_P38MAPK\_PATHWAY  
GOMF\_PROTEIN\_DEMETHYLASE\_ACTIVITY, GOMF\_PROTEIN\_DEMETHYLASE\_ACTIVITY  
GOBP\_PROTEIN\_DEMETHYLATION, GOBP\_PROTEIN\_DEMETHYLATION  
GOBP\_DNA\_METHYLATION, GOBP\_DNA\_METHYLATION  
PID\_RAC1\_REG\_PATHWAY, PID\_RAC1\_REG\_PATHWAY  
KOBAYASHI\_EGFR\_SIGNALING\_6HR\_DN, KOBAYASHI\_EGFR\_SIGNALING\_6HR\_DN  
MAGRANGEAS\_MULTIPLE\_MYELOMA\_IGG\_VS\_IGA\_DN, MAGRANGEAS\_MULTIPLE\_MYELOMA\_IGG\_VS\_IGA\_DN  
HP\_HYPEREXTENSIBILITY\_OF\_THE\_KNEE, HP\_HYPEREXTENSIBILITY\_OF\_THE\_KNEE  
GRATIAS\_RETINOBLASTOMA\_16Q24, GRATIAS\_RETINOBLASTOMA\_16Q24  
GCM\_AQP4, GCM\_AQP4  
NIKOLSKY\_BREAST\_CANCER\_8P12\_P11\_AMPLICON, NIKOLSKY\_BREAST\_CANCER\_8P12\_P11\_AMPLICON  
MIR1229\_5P, MIR1229\_5P  
MIR1231, MIR1231  
GOMF\_MAP\_KINASE\_KINASE\_ACTIVITY, GOMF\_MAP\_KINASE\_KINASE\_ACTIVITY  
HP\_BEAKING\_OF\_VERTEBRAL\_BODIES, HP\_BEAKING\_OF\_VERTEBRAL\_BODIES  
HP\_URINARY\_GLYCOSAMINOGLYCAN\_EXCRETION, HP\_URINARY\_GLYCOSAMINOGLYCAN\_EXCRETION  
KYNG\_NORMAL\_AGING\_DN, KYNG\_NORMAL\_AGING\_DN  
REACTOME\_HS\_GAG\_DEGRADATION, REACTOME\_HS\_GAG\_DEGRADATION  
MODULE\_173, MODULE\_173  
KYNG\_WERNER\_SYNDROM\_DN, KYNG\_WERNER\_SYNDROM\_DN  
GOBP\_PURINERGIC\_NUCLEOTIDE\_RECEPTOR\_SIGNALING\_PATHWAY, GOBP\_PURINERGIC\_NUCLEOTIDE\_RECEPTOR\_SIGNALING\_PATHWAY  
GOBP\_POSITIVE\_REGULATION\_OF\_HISTONE\_H3\_K4\_METHYLATION, GOBP\_POSITIVE\_REGULATION\_OF\_HISTONE\_H3\_K4\_METHYLATION  
GOBP\_FEAR\_RESPONSE, GOBP\_FEAR\_RESPONSE  
HP\_INCREASED\_SULFUR\_AMINO\_ACID\_LEVEL\_IN\_URINE, HP\_INCREASED\_SULFUR\_AMINO\_ACID\_LEVEL\_IN\_URINE  
BIOCARTA\_DSP\_PATHWAY, BIOCARTA\_DSP\_PATHWAY  
GOBP\_NEGATIVE\_REGULATION\_OF\_ERBB\_SIGNALING\_PATHWAY, GOBP\_NEGATIVE\_REGULATION\_OF\_ERBB\_SIGNALING\_PATHWAY  
GOCC\_LATERAL\_PLASMA\_MEMBRANE, GOCC\_LATERAL\_PLASMA\_MEMBRANE  
REACTOME\_MUCOPOLYSACCHARIDOSES, REACTOME\_MUCOPOLYSACCHARIDOSES  
KANNAN\_TP53\_TARGETS\_DN, KANNAN\_TP53\_TARGETS\_DN  
GOBP\_RESPONSE\_TO\_LIPOTEICHOIC\_ACID, GOBP\_RESPONSE\_TO\_LIPOTEICHOIC\_ACID  
GOBP\_AUTOCRINE\_SIGNALING, GOBP\_AUTOCRINE\_SIGNALING  
HP\_METHYLMALONIC\_ACIDEMIA, HP\_METHYLMALONIC\_ACIDEMIA  
GOBP\_PEPTIDYL\_ARGININE\_N\_METHYLATION, GOBP\_PEPTIDYL\_ARGININE\_N\_METHYLATION  
GOMF\_PROTEIN\_ARGININE\_N\_METHYLTRANSFERASE\_ACTIVITY, GOMF\_PROTEIN\_ARGININE\_N\_METHYLTRANSFERASE\_ACTIVITY  
GOBP\_PEPTIDYL\_ARGININE\_METHYLATION, GOBP\_PEPTIDYL\_ARGININE\_METHYLATION  
HP\_ABNORMALITY\_OF\_THE\_DENTATE\_NUCLEUS, HP\_ABNORMALITY\_OF\_THE\_DENTATE\_NUCLEUS  
HP\_ABNORMAL\_BLOOD\_GAS\_LEVEL, HP\_ABNORMAL\_BLOOD\_GAS\_LEVEL  
GOBP\_MICROGLIAL\_CELL\_PROLIFERATION, GOBP\_MICROGLIAL\_CELL\_PROLIFERATION  
GOBP\_POTASSIUM\_ION\_EXPORT\_ACROSS\_PLASMA\_MEMBRANE, GOBP\_POTASSIUM\_ION\_EXPORT\_ACROSS\_PLASMA\_MEMBRANE  
FRANCO\_BLOOD\_SANOFI\_PASTEUR\_SA\_INACTIVATED\_INFLUENZA\_VACCINE\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_AGE\_18\_40YO\_0DY\_NEGATIVE, FRANCO\_BLOOD\_SANOFI\_PASTEUR\_SA\_INACTIVATED\_INFLUENZA\_VACCINE\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_AGE\_18\_40YO\_0DY\_NEGATIVE  
GOBP\_TOLL\_LIKE\_RECEPTOR\_3\_SIGNALING\_PATHWAY, GOBP\_TOLL\_LIKE\_RECEPTOR\_3\_SIGNALING\_PATHWAY  
GOBP\_REGULATION\_OF\_RESTING\_MEMBRANE\_POTENTIAL, GOBP\_REGULATION\_OF\_RESTING\_MEMBRANE\_POTENTIAL  
GOBP\_REGULATION\_OF\_GLIAL\_CELL\_MIGRATION, GOBP\_REGULATION\_OF\_GLIAL\_CELL\_MIGRATION  
GOBP\_POSITIVE\_REGULATION\_OF\_GLIAL\_CELL\_MIGRATION, GOBP\_POSITIVE\_REGULATION\_OF\_GLIAL\_CELL\_MIGRATION  
GOBP\_POSITIVE\_REGULATION\_OF\_VOLTAGE\_GATED\_CALCIIUM\_CHANNEL\_ACTIVITY, GOBP\_POSITIVE\_REGULATION\_OF\_VOLTAGE\_GATED\_CALCIIUM\_CHANNEL\_ACTIVITY  
GOMF\_VOLTAGE\_GATED\_POTASSIUM\_CHANNEL\_ACTIVITY\_INVOLVED\_IN\_VENTRICULAR\_CARDIAC\_MUSCLE\_CELL\_ACTION\_POTENTIAL\_REPOLARIZATION, GOMF\_VOLTAGE\_GATED\_POTASSIUM\_CHANNEL\_ACTIVITY\_INVOLVED\_IN\_VENTRICULAR\_CARDIAC\_MUSCLE\_CELL\_ACTION\_POTENTIAL\_REPOLARIZATION  
KORKOLA\_CHORIOCARCINOMA\_DN, KORKOLA\_CHORIOCARCINOMA\_DN  
KORKOLA\_SEMINOMA\_DN, KORKOLA\_SEMINOMA\_DN  
GOBP\_NEGATIVE\_REGULATION\_OF\_TELOMERASE\_ACTIVITY, GOBP\_NEGATIVE\_REGULATION\_OF\_TELOMERASE\_ACTIVITY  
GOBP\_REGULATION\_OF\_MYOTUBE\_DIFFERENTIATION, GOBP\_REGULATION\_OF\_MYOTUBE\_DIFFERENTIATION  
LIU\_IL13\_MEMORY\_MODEL\_DN, LIU\_IL13\_MEMORY\_MODEL\_DN  
REACTOME\_DISEASES\_ASSOCIATED\_WITH\_SURFACTANT\_METABOLISM, REACTOME\_DISEASES\_ASSOCIATED\_WITH\_SURFACTANT\_METABOLISM  
REACTOME\_TANDEM\_PORE\_DOMAIN\_POTASSIUM\_CHANNELS, REACTOME\_TANDEM\_PORE\_DOMAIN\_POTASSIUM\_CHANNELS  
HP\_CEREBELLAR\_CALCIFICATIONS, HP\_CEREBELLAR\_CALCIFICATIONS  
HP\_STOOPED\_POSTURE, HP\_STOOPED\_POSTURE  
HP\_ACUTE\_INFECTIOUS\_PNEUMONIA, HP\_ACUTE\_INFECTIOUS\_PNEUMONIA  
GAO\_SMALL\_INTESTINE\_24W\_C9\_ENTEROENDOCRINE\_CELL, GAO\_SMALL\_INTESTINE\_24W\_C9\_ENTEROENDOCRINE\_CELL  
FRANCO\_BLOOD\_SANOFI\_PASTEUR\_SA\_INACTIVATED\_INFLUENZA\_VACCINE\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_AGE\_18\_40YO\_14DY\_NEGATIVE, FRANCO\_BLOOD\_SANOFI\_PASTEUR\_SA\_INACTIVATED\_INFLUENZA\_VACCINE\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_AGE\_18\_40YO\_14DY\_NEGATIVE  
REACTOME\_SCAVENGING\_BY\_CLASS\_A\_RECEPTORS, REACTOME\_SCAVENGING\_BY\_CLASS\_A\_RECEPTORS  
GOBP\_GLIAL\_CELL\_FATE\_COMMITMENT, GOBP\_GLIAL\_CELL\_FATE\_COMMITMENT  
chr8p11, chr8p11  
REACTOME\_PHASE\_3\_RAPID\_REPOLARISATION, REACTOME\_PHASE\_3\_RAPID\_REPOLARISATION  
chr17p12, chr17p12  
GOBP\_NERVOUS\_SYSTEM\_PROCESS\_INVOLVED\_IN\_REGULATION\_OF\_SYSTEMIC\_ARTERIAL\_BLOOD\_PRESSURE, GOBP\_NERVOUS\_SYSTEM\_PROCESS\_INVOLVED\_IN\_REGULATION\_OF\_SYSTEMIC\_ARTERIAL\_BLOOD\_PRESSURE  
JL\_CARCIINOGENESIS\_BY\_KRAS\_AND\_STK11\_UP, JL\_CARCIINOGENESIS\_BY\_KRAS\_AND\_STK11\_UP  
GOBP\_POSTSYNAPTIC\_ACTIN\_CYTOSKELETON\_ORGANIZATION, GOBP\_POSTSYNAPTIC\_ACTIN\_CYTOSKELETON\_ORGANIZATION  
GOBP\_PROTEIN\_SIDE\_CHAIN\_DEGLUTAMYLATION, GOBP\_PROTEIN\_SIDE\_CHAIN\_DEGLUTAMYLATION  
HP\_DENSE\_CALCIFICATIONS\_IN\_THE\_CEREBELLAR\_DENTATE\_NUCLEUS, HP\_DENSE\_CALCIFICATIONS\_IN\_THE\_CEREBELLAR\_DENTATE\_NUCLEUS  
GOBP\_NEGATIVE\_REGULATION\_OF\_INTERLEUKIN\_1\_ALPHA\_PRODUCTION, GOBP\_NEGATIVE\_REGULATION\_OF\_INTERLEUKIN\_1\_ALPHA\_PRODUCTION  
GOBP\_SCHWANN\_CELL\_MIGRATION, GOBP\_SCHWANN\_CELL\_MIGRATION  
GOBP\_REGULATION\_OF\_MEMBRANE\_REPOLARIZATION\_DURING\_VENTRICULAR\_CARDIAC\_MUSCLE\_CELL\_ACTION\_POTENTIAL, GOBP\_REGULATION\_OF\_MEMBRANE\_REPOLARIZATION\_DURING\_VENTRICULAR\_CARDIAC\_MUSCLE\_CELL\_ACTION\_POTENTIAL  
HP\_ACHOLIC\_STOOLS, HP\_ACHOLIC\_STOOLS  
HP\_PILL\_ROLLING\_TREMOR, HP\_PILL\_ROLLING\_TREMOR  
HP\_RETINOSCHISIS, HP\_RETINOSCHISIS  
GOBP\_ADENOSINE\_METABOLIC\_PROCESS, GOBP\_ADENOSINE\_METABOLIC\_PROCESS  
GOBP\_NEGATIVE\_REGULATION\_OF\_MICROGLIAL\_CELL\_ACTIVATION, GOBP\_NEGATIVE\_REGULATION\_OF\_MICROGLIAL\_CELL\_ACTIVATION  
REACTOME\_DEFECTIVE\_CSF2RB\_CAUSES\_SMDP5, REACTOME\_DEFECTIVE\_CSF2RB\_CAUSES\_SMDP5  
REACTOME\_PHASE\_2\_PLATEAU\_PHASE, REACTOME\_PHASE\_2\_PLATEAU\_PHASE  
HP\_ABNORMAL\_COCCYX\_MORPHOLOGY, HP\_ABNORMAL\_COCCYX\_MORPHOLOGY  
KORKOLA\_EMBRYONAL\_CARCIINOMA\_DN, KORKOLA\_EMBRYONAL\_CARCIINOMA\_DN  
GOBP\_MAST\_CELL\_DIFFERENTIATION, GOBP\_MAST\_CELL\_DIFFERENTIATION  
GOBP\_REGULATION\_OF\_GLUTAMATE\_RECEPTOR\_SIGNALING\_PATHWAY, GOBP\_REGULATION\_OF\_GLUTAMATE\_RECEPTOR\_SIGNALING\_PATHWAY  
HP\_HAND\_APRAXIA, HP\_HAND\_APRAXIA  
HP\_PROMINENT\_COCCYX, HP\_PROMINENT\_COCCYX  
GOBP\_EXTRAEMBRYONIC\_MEMBRANE\_DEVELOPMENT, GOBP\_EXTRAEMBRYONIC\_MEMBRANE\_DEVELOPMENT  
GOBP\_ADULT\_FEEDING\_BEHAVIOR, GOBP\_ADULT\_FEEDING\_BEHAVIOR  
HP\_EPISODIC\_FLACCID\_WEAKNESS, HP\_EPISODIC\_FLACCID\_WEAKNESS  
GOMF\_STRUCTURAL\_CONSTITUENT\_OF\_POSTSYNAPTIC\_ACTIN\_CYTOSKELETON, GOMF\_STRUCTURAL\_CONSTITUENT\_OF\_POSTSYNAPTIC\_ACTIN\_CYTOSKELETON  
GOBP\_CHORION\_DEVELOPMENT, GOBP\_CHORION\_DEVELOPMENT  
GOBP\_POSTSYNAPTIC\_CYTOSKELETON\_ORGANIZATION, GOBP\_POSTSYNAPTIC\_CYTOSKELETON\_ORGANIZATION  
HP\_LATE\_ONSET\_PROXIMAL\_MUSCLE\_WEAKNESS, HP\_LATE\_ONSET\_PROXIMAL\_MUSCLE\_WEAKNESS