

GSE40666.WT\_VS\_STA174.KO\_CD8\_TCELL\_DN,GSE40666.WT\_VS\_STA174.KO\_CD8\_TCELL\_DN  
GSE32533.WT\_VS\_MIR17.KO\_ACT\_CD4\_TCELL\_DN,GSE32533.WT\_VS\_MIR17.KO\_ACT\_CD4\_TCELL\_DN  
GSE46468.LUNG\_INNATE\_LYMPHOID\_CELL\_VS\_SPLEEN\_CD4\_TCELL\_UP,GSE46468.LUNG\_INNATE\_LYMPHOID\_CELL\_VS\_SPLEEN\_CD4\_TCELL\_UP  
GSE23321.CD8\_STEM\_CELL\_MEMORY\_VS\_CENTRAL\_MEMORY\_CD8\_TCELL\_DN,GSE23321.CD8\_STEM\_CELL\_MEMORY\_VS\_CENTRAL\_MEMORY\_CD8\_TCELL\_DN  
GSE46606.UNSTIM\_VS\_CD40L\_IL2\_IL5\_3DAY\_STIMULATED\_IRF4MID\_SORTED\_BCELL\_UP,GSE46606.UNSTIM\_VS\_CD40L\_IL2\_IL5\_3DAY\_STIMULATED\_IRF4MID\_SORTED\_BCELL\_UP  
GSE16522.ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_NAIVE\_CD8\_TCELL\_DN,GSE16522.ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_NAIVE\_CD8\_TCELL\_DN  
GSE37416.CTRL\_VS\_I2H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP,GSE37416.CTRL\_VS\_I2H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP  
GSE21063\_3H\_VS\_16H\_ANTL\_IJM\_STIM\_BCELL\_DN,GSE21063\_3H\_VS\_16H\_ANTL\_IJM\_STIM\_BCELL\_DN  
GSE19401.PAM2CSK4\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_DN,GSE19401.PAM2CSK4\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_DN  
GSE22886.TH1\_VS\_TH2\_48H\_ACT\_DN,GSE22886.TH1\_VS\_TH2\_48H\_ACT\_DN  
GSE7568\_IL4\_TGFB\_DEXAMETHASONE\_VS\_IL4\_TGFB\_TREATED\_MACROPHAGE\_DN,GSE7568\_IL4\_TGFB\_DEXAMETHASONE\_VS\_IL4\_TGFB\_TREATED\_MACROPHAGE\_DN  
GSE5589\_LPS\_AND\_IL10\_VS\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP,GSE5589\_LPS\_AND\_IL10\_VS\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE15330.LYMPHOID\_MULTIPOTENT\_VS GRANULOCYTE\_MONOCYTE\_PROGENITOR\_DN,GSE15330.LYMPHOID\_MULTIPOTENT\_VS GRANULOCYTE\_MONOCYTE\_PROGENITOR\_DN  
GSE37416.CTRL\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP,GSE37416.CTRL\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP  
GSE22611.NOD2\_VS\_CTRL\_TRANSDUCED\_HEK293T\_CELL\_DN,GSE22611.NOD2\_VS\_CTRL\_TRANSDUCED\_HEK293T\_CELL\_DN  
GSE6674\_CPG\_VS\_PL2\_3\_STIM\_BCELL\_UP,GSE6674\_CPG\_VS\_PL2\_3\_STIM\_BCELL\_UP  
GSE22886.NAIVE\_CD8\_TCELL\_VS\_DC\_UP,GSE22886.NAIVE\_CD8\_TCELL\_VS\_DC\_UP  
GSE46606.UNSTIM\_VS\_CD40L\_IL2\_IL5\_DAY1\_STIMULATED\_BCELL\_UP,GSE46606.UNSTIM\_VS\_CD40L\_IL2\_IL5\_DAY1\_STIMULATED\_BCELL\_UP  
GSE22886.UNSTIM\_VS\_IL2\_STIM\_NKCELL\_UP,GSE22886.UNSTIM\_VS\_IL2\_STIM\_NKCELL\_UP  
GSE30971.WBP7\_HET\_VS\_KO\_MACROPHAGE\_4H\_LPS\_STIM\_DN,GSE30971.WBP7\_HET\_VS\_KO\_MACROPHAGE\_4H\_LPS\_STIM\_DN  
GSE19401.RETINOIC\_ACID\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_DN,GSE19401.RETINOIC\_ACID\_VS\_RETINOIC\_ACID\_AND\_PAM2CSK4\_STIM\_FOLLICULAR\_DC\_DN  
GSE37533.PPARG1\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_DN,GSE37533.PPARG1\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_DN  
GSE22033.WT\_VS\_PPARG\_KO\_MEF\_DN,GSE22033.WT\_VS\_PPARG\_KO\_MEF\_DN  
GSE37509.UNSTIM\_VS\_TCCRIIB\_STIM\_MONOCYTE\_UP,GSE37509.UNSTIM\_VS\_TCCRIIB\_STIM\_MONOCYTE\_UP  
GSE16450.CTRL\_VS\_IPNA\_6H\_STIM\_IMMATURE\_NEURON\_CELL\_LINE\_DN,GSE16450.CTRL\_VS\_IPNA\_6H\_STIM\_IMMATURE\_NEURON\_CELL\_LINE\_DN  
GSE22886.UNSTIM\_VS\_STIM\_MEMORY\_TCELL\_UP,GSE22886.UNSTIM\_VS\_STIM\_MEMORY\_TCELL\_UP  
GSE40274.CTRL\_VS\_SATB1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP,GSE40274.CTRL\_VS\_SATB1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GSE16450.IMMATURE\_VS\_MATURE\_NEURON\_CELL\_LINE\_UP,GSE16450.IMMATURE\_VS\_MATURE\_NEURON\_CELL\_LINE\_UP  
GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_DN,GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_DN  
GSE37533.PPARG2\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_DN,GSE37533.PPARG2\_FOXP3\_VS\_FOXP3\_TRANSDUCED\_CD4\_TCELL\_DN  
GSE42021.TREG\_VS\_TCONV\_PLN\_UP,GSE42021.TREG\_VS\_TCONV\_PLN\_UP  
GSE24634\_IL4\_VS\_CTRL\_TREATED\_NAIVE\_CD4\_TCELL\_DAYS5\_DN,GSE24634\_IL4\_VS\_CTRL\_TREATED\_NAIVE\_CD4\_TCELL\_DAYS5\_DN  
GSE29618.LAIV\_VS\_TIV\_FLU\_VACCINE\_DAY7\_MONOCYTE\_UP,GSE29618.LAIV\_VS\_TIV\_FLU\_VACCINE\_DAY7\_MONOCYTE\_UP  
GSE42021.CD24HI\_VS\_CD24LOW\_TCONV\_THYMUS\_DN,GSE42021.CD24HI\_VS\_CD24LOW\_TCONV\_THYMUS\_DN  
GSE10239.KLRG1INT\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN,GSE10239.KLRG1INT\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN  
GSE360\_HIGH\_DOSE\_B\_MALAYI\_VS\_M\_TUBERCULOSIS\_MAC\_UP,GSE360\_HIGH\_DOSE\_B\_MALAYI\_VS\_M\_TUBERCULOSIS\_MAC\_UP  
GSE17974\_0H\_VS\_6H\_IN\_VITRO\_ACT\_CD4\_TCELL\_UP,GSE17974\_0H\_VS\_6H\_IN\_VITRO\_ACT\_CD4\_TCELL\_UP  
GSE12003\_4D\_VS\_8D\_CULTURE\_MIR223\_KO\_BM\_PROGENITOR\_DN,GSE12003\_4D\_VS\_8D\_CULTURE\_MIR223\_KO\_BM\_PROGENITOR\_DN  
GSE42021.TREG\_PLN\_VS\_CD24INT.TREG\_THYMUS\_DN,GSE42021.TREG\_PLN\_VS\_CD24INT.TREG\_THYMUS\_DN  
HALLMARK\_HEME\_METABOLISM,HALLMARK\_HEME\_METABOLISM  
GSE12845\_IJD\_NEG\_BLOOD\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_UP,GSE12845\_IJD\_NEG\_BLOOD\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_UP  
GSE25123.WT\_VS\_PPARG\_KO\_MACROPHAGE\_ROSIGLITAZONE\_STIM\_UP,GSE25123.WT\_VS\_PPARG\_KO\_MACROPHAGE\_ROSIGLITAZONE\_STIM\_UP  
GSE15624\_3H\_VS\_6H\_HALOFUGINONE\_TREATED\_CD4\_TCELL\_UP,GSE15624\_3H\_VS\_6H\_HALOFUGINONE\_TREATED\_CD4\_TCELL\_UP  
GSE17721.POLYIC\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP,GSE17721.POLYIC\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP  
GSE5589\_LPS\_AND\_IL10\_VS\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP,GSE5589\_LPS\_AND\_IL10\_VS\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE22886.NAIVE\_TCELL\_VS\_MONOCYTE\_UP,GSE22886.NAIVE\_TCELL\_VS\_MONOCYTE\_UP  
GSE3982\_DC\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN,GSE3982\_DC\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN  
GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_UP,GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_UP  
GSE40274.CTRL\_VS\_LEF1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP,GSE40274.CTRL\_VS\_LEF1\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GOBP\_CENTROSOME\_DUPLICATION,GOBP\_CENTROSOME\_DUPLICATION  
GSE3982\_NEUTROPHIL\_VS\_TH2\_UP,GSE3982\_NEUTROPHIL\_VS\_TH2\_UP  
GSE3982\_MAC\_VS\_BCILL\_DN,GSE3982\_MAC\_VS\_BCILL\_DN  
GSE24574\_BCL6\_HIGH\_TFH\_VS\_NAIVE\_CD4\_TCELL\_UP,GSE24574\_BCL6\_HIGH\_TFH\_VS\_NAIVE\_CD4\_TCELL\_UP  
MODULE\_430,MODULE\_430  
GSE21546\_WT\_VS\_SAPIA\_KO\_DP\_THYMOCTYES\_UP,GSE21546\_WT\_VS\_SAPIA\_KO\_DP\_THYMOCTYES\_UP  
GSE40274.CTRL\_VS\_FOXP3\_AND\_EOS\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP,GSE40274.CTRL\_VS\_FOXP3\_AND\_EOS\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GSE40685.TREG\_VS\_FOXP3\_KO\_TREG\_PRECURSOR\_UP,GSE40685.TREG\_VS\_FOXP3\_KO\_TREG\_PRECURSOR\_UP  
SCHERER\_PBMc\_VF\_WETVAX\_AGE\_18\_32YD\_DN,SCHERER\_PBMc\_VF\_WETVAX\_AGE\_18\_32YD\_DN  
GAUCHER\_PBMc\_VF\_VAX\_STAMARIL\_UNKNOWN\_AGE\_10DY\_DN,GAUCHER\_PBMc\_VF\_VAX\_STAMARIL\_UNKNOWN\_AGE\_10DY\_DN  
GSE22611.UNSTIM\_VS\_2H\_MDP\_STIM\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP,GSE22611.UNSTIM\_VS\_2H\_MDP\_STIM\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_UP  
GSE3982\_BCELL\_VS\_TH2\_UP,GSE3982\_BCELL\_VS\_TH2\_UP  
GSE6674.UNSTIM\_VS\_PL2\_3\_STIM\_BCELL\_DN,GSE6674.UNSTIM\_VS\_PL2\_3\_STIM\_BCELL\_DN  
GSE6566.STRONG\_VS\_WEAK\_DC\_STIMULATED\_CD4\_TCELL\_DN,GSE6566.STRONG\_VS\_WEAK\_DC\_STIMULATED\_CD4\_TCELL\_DN  
GSE37534.GW1929\_VS\_ROSIGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_FOXP3\_TRAN,GSE37534.GW1929\_VS\_ROSIGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_FOXP3\_TRAN  
GOBP\_REGULATION\_OF\_PROTEIN\_TARGETING\_TO\_MITOCHONDRION,GOBP\_REGULATION\_OF\_PROTEIN\_TARGETING\_TO\_MITOCHONDRION  
MODULE\_484,MODULE\_484  
MIR5589\_3P,MIR5589\_3P  
AACWCAANK\_UNKNOWN,AACWCAANK\_UNKNOWN  
GSE22886.NAIVE\_CD8\_TCELL\_VS\_MONOCYTE\_UP,GSE22886.NAIVE\_CD8\_TCELL\_VS\_MONOCYTE\_UP  
GSE12003.MIR223\_KO\_VS\_WT\_BM\_PROGENITOR\_8D\_CULTURE\_DN,GSE12003.MIR223\_KO\_VS\_WT\_BM\_PROGENITOR\_8D\_CULTURE\_DN  
GSE37605.C57BL6\_VS\_NOD\_FOXP3\_IRES\_GFP\_TREG\_DN,GSE37605.C57BL6\_VS\_NOD\_FOXP3\_IRES\_GFP\_TREG\_DN  
GSE22886.UNSTIM\_VS\_IL15\_STIM\_NKCELL\_UP,GSE22886.UNSTIM\_VS\_IL15\_STIM\_NKCELL\_UP  
GOBP\_POSITIVE\_REGULATION\_OF\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_MITOCHONDRION,GOBP\_POSITIVE\_REGULATION\_OF\_ESTABLISHMENT\_OF\_PROTEIN\_LOCALIZATION\_TO\_MITOCHONDRION  
AGGAAGC\_MIR5163P,AGGAAGC\_MIR5163P  
MIR3074\_5P,MIR3074\_5P  
GSE22886.NAIVE\_CD4\_TCELL\_VS\_MONOCYTE\_UP,GSE22886.NAIVE\_CD4\_TCELL\_VS\_MONOCYTE\_UP  
MIR610,MIR610  
RICKMAN\_TUMOR\_DIFFERENTIATED\_WELL\_VS\_MODERATELY\_UP,RICKMAN\_TUMOR\_DIFFERENTIATED\_WELL\_VS\_MODERATELY\_UP  
GSE17721\_CTRL\_VS\_CPG\_24H\_BMDC\_UP,GSE17721\_CTRL\_VS\_CPG\_24H\_BMDC\_UP  
ACOSTA\_PROLIFERATION\_INDEPENDENT\_MYC\_TARGETS\_DN,ACOSTA\_PROLIFERATION\_INDEPENDENT\_MYC\_TARGETS\_DN  
TCTGGAC\_MIR198,TCTGGAC\_MIR198  
MIR633,MIR633  
GSE41978\_WT\_VS\_BIM\_KO\_KLRG1\_LOW\_EFFECTOR\_CD8\_TCELL\_DN,GSE41978\_WT\_VS\_BIM\_KO\_KLRG1\_LOW\_EFFECTOR\_CD8\_TCELL\_DN  
GSE3982\_MAST\_CELL\_VS\_NKCELL\_DN,GSE3982\_MAST\_CELL\_VS\_NKCELL\_DN  
GSE9509\_10MIN\_VS\_30MIN\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_MACROPHAGE\_DN,GSE9509\_10MIN\_VS\_30MIN\_LPS\_AND\_IL10\_STIM\_IL10\_KO\_MACROPHAGE\_DN  
GNF2\_MSN,GNF2\_MSN  
MIR10A\_5P,MIR10B\_5P,MIR10A\_5P,MIR10B\_5P  
AGGCACT\_MIR5153P,AGGCACT\_MIR5153P  
GOCC\_INCLUSION\_BODY,GOCC\_INCLUSION\_BODY  
GSE15624.CTRL\_VS\_6H\_HALOFUGINONE\_TREATED\_CD4\_TCELL\_UP,GSE15624.CTRL\_VS\_6H\_HALOFUGINONE\_TREATED\_CD4\_TCELL\_UP  
GNF2\_CD48,GNF2\_CD48  
KEGG\_N\_GLYCAN\_BIOSYNTHESIS,KEGG\_N\_GLYCAN\_BIOSYNTHESIS  
KIM\_MYCN\_AMPLIFICATION\_TARGETS\_DN,KIM\_MYCN\_AMPLIFICATION\_TARGETS\_DN  
MIR2355\_3P,MIR2355\_3P  
MIR4305,MIR4305  
GOBP\_REGULATION\_OF\_VIRAL\_LIFE\_CYCLE,GOBP\_REGULATION\_OF\_VIRAL\_LIFE\_CYCLE  
HP\_ARTERIAL\_STENOSIS,HP\_ARTERIAL\_STENOSIS  
ATGTCAC\_MIR489,ATGTCAC\_MIR489  
GOBP\_NEGATIVE\_REGULATION\_OF\_CYTOSKELETON\_ORGANIZATION,GOBP\_NEGATIVE\_REGULATION\_OF\_CYTOSKELETON\_ORGANIZATION  
GSE2405\_HEAT\_KILLED\_VS\_LIVE\_A\_PHAGOCYTOPHILUM\_STIM\_NEUTROPHIL\_24H\_UP,GSE2405\_HEAT\_KILLED\_VS\_LIVE\_A\_PHAGOCYTOPHILUM\_STIM\_NEUTROPHIL\_24H\_UP  
GSE5589\_WT\_VS\_IL6\_KO\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP,GSE5589\_WT\_VS\_IL6\_KO\_LPS\_AND\_IL6\_STIM\_MACROPHAGE\_45MIN\_UP  
GOBP\_CYTOKINETIC\_PROCESS,GOBP\_CYTOKINETIC\_PROCESS  
MIR7161\_3P,MIR7161\_3P  
GOBP\_CORTICAL\_CYTOSKELETON\_ORGANIZATION,GOBP\_CORTICAL\_CYTOSKELETON\_ORGANIZATION  
GOMF\_EXORIBONUCLEASE\_ACTIVITY,GOMF\_EXORIBONUCLEASE\_ACTIVITY  
GOBP\_PROTEIN\_DEGLYCOSYLATION,GOBP\_PROTEIN\_DEGLYCOSYLATION  
MIR6839\_3P,MIR6839\_3P  
STAMBOLSKY\_TARGETS\_OF\_MUTATED\_TP53\_DN,STAMBOLSKY\_TARGETS\_OF\_MUTATED\_TP53\_DN  
GOMF\_BETA\_TUBULIN\_BINDING,GOMF\_BETA\_TUBULIN\_BINDING  
GOBP\_REGULATION\_OF\_PROTEIN\_DEACETYLATION,GOBP\_REGULATION\_OF\_PROTEIN\_DEACETYLATION  
GNF2\_CASP8,GNF2\_CASP8  
MIR4638\_3P,MIR4638\_3P  
HP\_ABNORMAL\_AUTONOMIC\_NERVOUS\_SYSTEM\_PHYSIOLOGY,HP\_ABNORMAL\_AUTONOMIC\_NERVOUS\_SYSTEM\_PHYSIOLOGY  
GOCC\_ENDOPLASMIC\_RETICULUM\_QUALITY\_CONTROL\_COMPARTMENT,GOCC\_ENDOPLASMIC\_RETICULUM\_QUALITY\_CONTROL\_COMPARTMENT  
MIR1263,MIR1263  
GOBP\_POSITIVE\_REGULATION\_OF\_INTERFERON\_BETA\_PRODUCTION,GOBP\_POSITIVE\_REGULATION\_OF\_INTERFERON\_BETA\_PRODUCTION  
MIR3923,MIR3923  
MIR3059\_3P,MIR3059\_3P  
BOGNI\_TREATMENT\_RELATED\_MYELOID\_LEUKEMIA\_DN,BOGNI\_TREATMENT\_RELATED\_MYELOID\_LEUKEMIA\_DN  
BOYAULT\_LIVER\_CANCER\_SUBCLASS\_G1\_DN,BOYAULT\_LIVER\_CANCER\_SUBCLASS\_G1\_DN  
GOBP\_MAINTENANCE\_OF\_PROTEIN\_LOCALIZATION\_IN\_ORGANELLE,GOBP\_MAINTENANCE\_OF\_PROTEIN\_LOCALIZATION\_IN\_ORGANELLE  
WP\_HOSTEPATHOGEN\_INTERACTION\_OF\_HUMAN\_CORONA\_VIRUSES\_INTERFERON\_INDUCTION,WP\_HOSTEPATHOGEN\_INTERACTION\_OF\_HUMAN\_CORONA\_VIRUSES\_INTERFERON\_INDUCTION  
GNF2\_ITGAL,GNF2\_ITGAL  
REACTOME\_NEGATIVE\_REGULATORS\_OF\_DDX58\_IFIH1\_SIGNALING,REACTOME\_NEGATIVE\_REGULATORS\_OF\_DDX58\_IFIH1\_SIGNALING  
HP\_HYPOPLASIA\_OF\_TEETH,HP\_HYPOPLASIA\_OF\_TEETH  
GOBP\_ACTIVATION\_OF\_GTPASE\_ACTIVITY,GOBP\_ACTIVATION\_OF\_GTPASE\_ACTIVITY  
REACTOME\_ER\_QUALITY\_CONTROL\_COMPARTMENT\_ERQC,REACTOME\_ER\_QUALITY\_CONTROL\_COMPARTMENT\_ERQC  
GNF2\_ATM,GNF2\_ATM  
REACTOME\_MATURATION\_OF\_SARS\_COV\_2\_SPIKE\_PROTEIN,REACTOME\_MATURATION\_OF\_SARS\_COV\_2\_SPIKE\_PROTEIN  
GOMF\_TAU\_PROTEIN\_BINDING,GOMF\_TAU\_PROTEIN\_BINDING  
HUANG\_DASATINIB\_SENSITIVITY\_UP,HUANG\_DASATINIB\_SENSITIVITY\_UP  
MIR1278,MIR1278  
RAGHAVACHARI\_PLATELET\_SPECIFIC\_GENES,RAGHAVACHARI\_PLATELET\_SPECIFIC\_GENES  
CHANDRAN\_METASTASIS\_TOP50\_DN,CHANDRAN\_METASTASIS\_TOP50\_DN  
HP\_ABNORMAL\_MONOCYTE\_MORPHOLOGY,HP\_ABNORMAL\_MONOCYTE\_MORPHOLOGY  
MIR5684,MIR5684  
GOBP\_POSITIVE\_REGULATION\_OF\_RELEASE\_OF\_CYTOCHROME\_C\_FROM\_MITOCHONDRIA,GOBP\_POSITIVE\_REGULATION\_OF\_RELEASE\_OF\_CYTOCHROME\_C\_FROM\_MITOCHONDRIA  
MIR8059,MIR8059  
GOMF\_ACETYLGALACTOSAMINYLTRANSFERASE\_ACTIVITY,GOMF\_ACETYLGALACTOSAMINYLTRANSFERASE\_ACTIVITY  
MIR1272,MIR1272  
GOBP\_CORTICAL\_ACTIN\_CYTOSKELETON\_ORGANIZATION,GOBP\_CORTICAL\_ACTIN\_CYTOSKELETON\_ORGANIZATION  
VANHARANTA\_UTERINE\_FIBROID\_WITH\_7Q\_DELETION\_DN,VANHARANTA\_UTERINE\_FIBROID\_WITH\_7Q\_DELETION\_DN  
MIR4471,MIR4471  
FERREIRA\_EWINGS\_SARCOMA\_UNSTABLE\_VS\_STABLE\_DN,FERREIRA\_EWINGS\_SARCOMA\_UNSTABLE\_VS\_STABLE\_DN  
HP\_ANKLE\_CLONUS,HP\_ANKLE\_CLONUS  
WP\_TOLLLIKE\_RECEPTOR\_SIGNALING\_RELATED\_TO\_MYD88,WP\_TOLLLIKE\_RECEPTOR\_SIGNALING\_RELATED\_TO\_MYD88  
DELPUECH\_FOXP3\_TARGETS\_UP,DELPUECH\_FOXP3\_TARGETS\_UP  
HP\_MUSCLE\_STIFFNESS,HP\_MUSCLE\_STIFFNESS  
HP\_UNUSUAL\_INFECTION\_BY\_ANATOMICAL\_SITE,HP\_UNUSUAL\_INFECTION\_BY\_ANATOMICAL\_SITE  
HP\_ABNORMAL\_CEREBRAL\_ARTERY\_MORPHOLOGY,HP\_ABNORMAL\_CEREBRAL\_ARTERY\_MORPHOLOGY  
GOMF\_PROTEIN\_KINASE\_B\_BINDING,GOMF\_PROTEIN\_KINASE\_B\_BINDING  
HP\_ABNORMAL\_CONSUMPTION\_BEHAVIOR,HP\_ABNORMAL\_CONSUMPTION\_BEHAVIOR  
BOHN\_PRIMARY\_IMMUNODEFICIENCY\_SYNDROM\_DN,BOHN\_PRIMARY\_IMMUNODEFICIENCY\_SYNDROM\_DN  
GSE2770\_IL12\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_2H\_DN,GSE2770\_IL12\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_2H\_DN  
MIR873\_3P,MIR873\_3P  
GOBP\_POSITIVE\_REGULATION\_OF\_VIRAL\_LIFE\_CYCLE,GOBP\_POSITIVE\_REGULATION\_OF\_VIRAL\_LIFE\_CYCLE  
GOBP\_POSITIVE\_REGULATION\_OF\_LEUKOCYTE\_MIGRATION,GOBP\_POSITIVE\_REGULATION\_OF\_LEUKOCYTE\_MIGRATION  
GNF2\_ANK1,GNF2\_ANK1  
GNF2\_SPTB,GNF2\_SPTB  
GNF2\_SNRK,GNF2\_SNRK  
MIR24\_1\_5P,MIR24\_2\_5P,MIR24\_1\_5P,MIR24\_2\_5P  
WATANABE\_ULCERATIVE\_COLITIS\_WITH\_CANCER\_DN,WATANABE\_ULCERATIVE\_COLITIS\_WITH\_CANCER\_DN  
HP\_HAND\_TREMOR,HP\_HAND\_TREMOR  
GOBP\_CELL\_ADHESION\_MEDIATED\_BY\_INTEGRIN,GOBP\_CELL\_ADHESION\_MEDIATED\_BY\_INTEGRIN  
GOBP\_POSITIVE\_REGULATION\_OF\_T\_CELL\_MIGRATION,GOBP\_POSITIVE\_REGULATION\_OF\_T\_CELL\_MIGRATION  
HP\_NEUROGENIC\_BLADDER,HP\_NEUROGENIC\_BLADDER  
HP\_IMPAIRED\_ANTIGEN\_SPECIFIC\_RESPONSE,HP\_IMPAIRED\_ANTIGEN\_SPECIFIC\_RESPONSE  
RAPA\_EARLY\_UP,V1\_UP,RAPA\_EARLY\_UP,V1\_UP  
MODULE\_500,MODULE\_500  
MIR7973,MIR7973  
GOBP\_REGULATION\_OF\_NEUTROPHIL\_CHEMOTAXIS,GOBP\_REGULATION\_OF\_NEUTROPHIL\_CHEMOTAXIS  
HP\_TEMPERATURE\_INSTABILITY,HP\_TEMPERATURE\_INSTABILITY  
GOBP\_ENDOPLASMIC\_RETICULUM\_MANNOSIE\_TRIMMING,GOBP\_ENDOPLASMIC\_RETICULUM\_MANNOSIE\_TRIMMING  
GOBP\_PROTEIN\_DEMANNOSYLATION,GOBP\_PROTEIN\_DEMANNOSYLATION  
TURASHVILL\_BREAST\_LOBULAR\_CARCINOMA\_VS\_LOBULAR\_NORMAL\_DN,TURASHVILL\_BREAST\_LOBULAR\_CARCINOMA\_VS\_LOBULAR\_NORMAL\_DN  
GOMF\_MANNOSIDASE\_ACTIVITY,GOMF\_MANNOSIDASE\_ACTIVITY  
GOBP\_NEGATIVE\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_PRODUCTION,GOBP\_NEGATIVE\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_PRODUCTION  
GOMF\_XENOBIOTIC\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY,GOMF\_XENOBIOTIC\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY  
GSE14000\_TRANSLATED\_RNA\_VS\_MRNA\_16H\_LPS\_DC\_UP,GSE14000\_TRANSLATED\_RNA\_VS\_MRNA\_16H\_LPS\_DC\_UP  
GOBP\_NEGATIVE\_REGULATION\_OF\_GTPASE\_ACTIVITY,GOBP\_NEGATIVE\_REGULATION\_OF\_GTPASE\_ACTIVITY  
FIGUEROA\_AML\_METHYLATION\_CLUSTER\_1\_DN,FIGUEROA\_AML\_METHYLATION\_CLUSTER\_1\_DN  
WP\_RALA\_DOWNSTREAM\_REGULATED\_GENES,WP\_RALA\_DOWNSTREAM\_REGULATED\_GENES  
HP\_RECTAL\_ABSCESS,HP\_RECTAL\_ABSCESS  
GOBP\_XENOBIOTIC\_TRANSPORT,GOBP\_XENOBIOTIC\_TRANSPORT  
HP\_ABNORMALITY\_OF\_THE\_NASOLABIAL\_REGION,HP\_ABNORMALITY\_OF\_THE\_NASOLABIAL\_REGION  
GOBP\_REGULATION\_OF\_NEUTROPHIL\_MIGRATION,GOBP\_REGULATION\_OF\_NEUTROPHIL\_MIGRATION  
HP\_TYPE\_II\_TRANSFERRIN\_ISOFORM\_PROFILE,HP\_TYPE\_II\_TRANSFERRIN\_ISOFORM\_PROFILE  
DARWICHE\_PAPILLOMA\_PROGRESSION\_RISK,DARWICHE\_PAPILLOMA\_PROGRESSION\_RISK  
MIR4640\_3P,MIR4640\_3P  
BIOCARTA\_HSW1\_SNF\_PATHWAY,BIOCARTA\_HSW1\_SNF\_PATHWAY  
GOBP\_REGULATION\_OF\_CELL\_ADHESION\_MEDIATED\_BY\_INTEGRIN,GOBP\_REGULATION\_OF\_CELL\_ADHESION\_MEDIATED\_BY\_INTEGRIN  
PID\_SYNDACAN\_2\_PATHWAY,PID\_SYNDACAN\_2\_PATHWAY  
GOBP\_MAINTENANCE\_OF\_SISTER\_CHROMATID\_COHESION,GOBP\_MAINTENANCE\_OF\_SISTER\_CHROMATID\_COHESION  
GOBP\_NEGATIVE\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE,GOBP\_NEGATIVE\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE  
MIR1301\_5P,MIR1301\_5P  
WP\_PHOSPHODIESTERASES\_IN\_NEURONAL\_FUNCTION,WP\_PHOSPHODIESTERASES\_IN\_NEURONAL\_FUNCTION  
HP\_DECREASED\_CIRCULATING\_LEVEL\_OF\_SPECIFIC\_ANTIBODY,HP\_DECREASED\_CIRCULATING\_LEVEL\_OF\_SPECIFIC\_ANTIBODY  
GOBP\_REGULATION\_OF\_EARLY\_ENDOSOME\_TO\_LATE\_ENDOSOME\_TRANSPORT,GOBP\_REGULATION\_OF\_EARLY\_ENDOSOME\_TO\_LATE\_ENDOSOME\_TRANSPORT  
HP\_ABNORMAL\_CIRCULATING\_IJGE\_LEVEL,HP\_ABNORMAL\_CIRCULATING\_IJGE\_LEVEL  
GOBP\_POSITIVE\_REGULATION\_OF\_PROTEIN\_DEACETYLATION,GOBP\_POSITIVE\_REGULATION\_OF\_PROTEIN\_DEACETYLATION  
HP\_POLYPHAGIA,HP\_POLYPHAGIA  
GOBP\_NECROTIC\_CELL\_DEATH,GOBP\_NECROTIC\_CELL\_DEATH  
GOBP\_REGULATION\_OF\_ADENYLATE\_CYCLASE\_ACTIVITY,GOBP\_REGULATION\_OF\_ADENYLATE\_CYCLASE\_ACTIVITY  
REACTOME\_ROLE\_OF\_ABL\_IN\_ROBO\_SLIT\_SIGNALING,REACTOME\_ROLE\_OF\_ABL\_IN\_ROBO\_SLIT\_SIGNALING  
HP\_JUVENILE\_MYELOMONOCYTIC\_LEUKEMIA,HP\_JUVENILE\_MYELOMONOCYTIC\_LEUKEMIA  
MIR3907,MIR3907  
GOMF\_UDP\_GLYCOSYLTRANSFERASE\_ACTIVITY,GOMF\_UDP\_GLYCOSYLTRANSFERASE\_ACTIVITY  
GOBP\_NEGATIVE\_REGULATION\_OF\_VIRAL\_PROCESS,GOBP\_NEGATIVE\_REGULATION\_OF\_VIRAL\_PROCESS  
GOBP\_DNA\_CATABOLIC\_PROCESS\_ENDONUCLEOLYTIC,GOBP\_DNA\_CATABOLIC\_PROCESS\_ENDONUCLEOLYTIC  
GOBP\_PROGRAMMED\_NECROTIC\_CELL\_DEATH,GOBP\_PROGRAMMED\_NECROTIC\_CELL\_DEATH  
GOBP\_GOLGI\_TO\_VACUOLE\_TRANSPORT,GOBP\_GOLGI\_TO\_VACUOLE\_TRANSPORT  
GOBP\_CAMP\_MEDIATED\_SIGNALING,GOBP\_CAMP\_MEDIATED\_SIGNALING  
GOBP\_RETICULOPHAGY,GOBP\_RETICULOPHAGY  
KUNINGER\_IGF1\_VS\_PDGF\_TARGETS\_DN,KUNINGER\_IGF1\_VS\_PDGF\_TARGETS\_DN  
MIR6859\_3P,MIR6859\_3P  
GOBP\_DNA\_CATABOLIC\_PROCESS,GOBP\_DNA\_CATABOLIC\_PROCESS  
GOBP\_INNervation,GOBP\_INNervation  
HP\_SPEECH\_ARTICULATION\_DIFFICULTIES,HP\_SPEECH\_ARTICULATION\_DIFFICULTIES  
ZNFS10\_TARGET\_GENES,ZNFS10\_TARGET\_GENES  
ZHANG\_INTERFERON\_RESPONSE,ZHANG\_INTERFERON\_RESPONSE  
HP\_CENTRAL\_APNEA,HP\_CENTRAL\_APNEA  
HP\_ABNORMAL\_CRY,HP\_ABNORMAL\_CRY  
HP\_ANKLE\_FLEXION\_CONTRACTURE,HP\_ANKLE\_FLEXION\_CONTRACTURE  
MIR6502\_5P,MIR6502\_5P  
GOMF\_RETINOIC\_ACID\_RECEPTOR\_BINDING,GOMF\_RETINOIC\_ACID\_RECEPTOR\_BINDING  
GOBP\_POSITIVE\_REGULATION\_OF\_MITOPHAGY\_IN\_RESPONSE\_TO\_MITOCHONDRIAL\_DEPOLARIZATION,GOBP\_POSITIVE\_REGULATION\_OF\_MITOPHAGY\_IN\_RESPONSE\_TO\_MITOCHONDRIAL\_DEPOLARIZATION  
HP\_INAPPROPRIATE\_LAUGHTER,HP\_INAPPROPRIATE\_LAUGHTER  
HP\_CALCIINOSIS,HP\_CALCIINOSIS  
MIR3158\_3P,MIR3158\_3P  
MIR4536\_5P,MIR4536\_5P  
MIR4750\_3P,MIR4750\_3P  
GOMF\_CYCLIC\_NUCLEOTIDE\_PHOSPHODIESTERASE\_ACTIVITY,GOMF\_CYCLIC\_NUCLEOTIDE\_PHOSPHODIESTERASE\_ACTIVITY  
HP\_ABNORMALITY\_OF\_THE\_SELLA\_TURCICA,HP\_ABNORMALITY\_OF\_THE\_SELLA\_TURCICA