

GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_18H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_18H\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_16H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_16H\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_8H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_8H\_UP  
GSE18791\_UNSTIM\_VS\_NEWCASTLE\_VIRUS\_DC\_10H\_UP, GSE18791\_UNSTIM\_VS\_NEWCASTLE\_VIRUS\_DC\_10H\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_12H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_12H\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_6H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_6H\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_4H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_4H\_UP  
GSE6666\_UNTREATED\_VS\_JFNA\_STIM\_CD8\_TCELL\_90MIN\_DN, GSE6666\_UNTREATED\_VS\_JFNA\_STIM\_CD8\_TCELL\_90MIN\_DN  
GSE18791\_UNSTIM\_VS\_NEWCASTLE\_VIRUS\_DC\_18H\_UP, GSE18791\_UNSTIM\_VS\_NEWCASTLE\_VIRUS\_DC\_18H\_UP  
GSE10239\_NAIVE\_VS\_KIRGINT\_EFF\_CD8\_TCELL\_DN, GSE10239\_NAIVE\_VS\_KIRGINT\_EFF\_CD8\_TCELL\_DN  
GSE18804\_SPLEEN\_MACROPHAGE\_VS\_TUMORAL\_MACROPHAGE\_DN, GSE18804\_SPLEEN\_MACROPHAGE\_VS\_TUMORAL\_MACROPHAGE\_DN  
GSE6666\_IRF4\_KO\_VS\_WT\_CD40L\_IL2\_IL5\_1DAY\_STIMULATED\_BCELL\_UP, GSE6666\_IRF4\_KO\_VS\_WT\_CD40L\_IL2\_IL5\_1DAY\_STIMULATED\_BCELL\_UP  
GSE42021\_CD24HI\_VS\_CD24LOW\_TREG\_THYMU5\_UP, GSE42021\_CD24HI\_VS\_CD24LOW\_TREG\_THYMU5\_UP  
GSE26669\_CTRL\_VS\_COSTIM\_BLOCK\_MLR\_CD4\_TCELL\_DN, GSE26669\_CTRL\_VS\_COSTIM\_BLOCK\_MLR\_CD4\_TCELL\_DN  
GSE4259\_FLT3L\_INDUCED\_33D1\_POS\_DC\_VS\_CD8\_TCELL\_UP, GSE4259\_FLT3L\_INDUCED\_33D1\_POS\_DC\_VS\_CD8\_TCELL\_UP  
GSE42021\_TREG\_PLN\_VS\_TREG\_PRECURSORS\_THYMU5\_UP, GSE42021\_TREG\_PLN\_VS\_TREG\_PRECURSORS\_THYMU5\_UP  
HP\_ABNORMAL\_PERIPHERAL\_MYELINATION, HP\_ABNORMAL\_PERIPHERAL\_MYELINATION  
GSE20152\_HTNFA\_OVEREXPRESS\_ANKLE\_VS\_CTRL\_SPHK1\_KO\_ANKLE\_DN, GSE20152\_HTNFA\_OVEREXPRESS\_ANKLE\_VS\_CTRL\_SPHK1\_KO\_ANKLE\_DN  
BRUNS\_UVC\_SINUSITIS\_MIDDLE, BRUNS\_UVC\_SINUSITIS\_MIDDLE  
HP\_POLYNEUROPATHY, HP\_POLYNEUROPATHY  
GSE9601\_UNTREATED\_VS\_NFKB\_INHIBITOR\_TREATED\_HCMV\_INF\_MONOCYTE\_UP, GSE9601\_UNTREATED\_VS\_NFKB\_INHIBITOR\_TREATED\_HCMV\_INF\_MONOCYTE\_UP  
GOMF\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_A\_SULFUR\_GROUP\_OF\_DONORS, GOMF\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_A\_SULFUR\_GROUP\_OF\_DONORS  
KATSANOU\_ELAVL1\_TARGETS\_DN, KATSANOU\_ELAVL1\_TARGETS\_DN  
GNF2\_MAP2K3, GNF2\_MAP2K3  
MIR4425, MIR4425  
GNF2\_BNIP3L, GNF2\_BNIP3L  
MIR383\_5P, MIR383\_5P  
HP\_SUPRANUCLEAR\_GAZE\_PALSY, HP\_SUPRANUCLEAR\_GAZE\_PALSY  
MIR4455, MIR4455  
MIR6892\_3P, MIR6892\_3P  
GNF2\_SPTA1, GNF2\_SPTA1  
HP\_HYPOHIDROSIS, HP\_HYPOHIDROSIS  
GSE4156\_UNTREATED\_VS\_6H\_NOD2\_AND\_TLR1\_TLR2\_LIGAND\_TREATED\_MONOCYTE\_UP, GSE4156\_UNTREATED\_VS\_6H\_NOD2\_AND\_TLR1\_TLR2\_LIGAND\_TREATED\_MONOCYTE\_UP  
GOBP\_REGULATION\_OF\_INSULIN\_RECEPTOR\_SIGNALING\_PATHWAY, GOBP\_REGULATION\_OF\_INSULIN\_RECEPTOR\_SIGNALING\_PATHWAY  
LIN\_NP4S1\_TARGETS\_DN, LIN\_NP4S1\_TARGETS\_DN  
HP\_LACRIMATION\_ABNORMALITY, HP\_LACRIMATION\_ABNORMALITY  
DAVICION1\_PAX\_FOXP01\_SIGNATURE\_IN\_ARM5\_UP, DAVICION1\_PAX\_FOXP01\_SIGNATURE\_IN\_ARM5\_UP  
GNF2\_TALI1, GNF2\_TALI1  
GNF2\_ANK1, GNF2\_ANK1  
GNF2\_SPTB, GNF2\_SPTB  
HP\_AMBLYOPIA, HP\_AMBLYOPIA  
GOBP\_NEUROTRANSMITTER\_RECEPTOR\_TRANSPORT, GOBP\_NEUROTRANSMITTER\_RECEPTOR\_TRANSPORT  
GOCC\_SMN\_COMPLEX, GOCC\_SMN\_COMPLEX  
LEE\_LIVER\_CANCER\_MYC\_TGFA\_DN, LEE\_LIVER\_CANCER\_MYC\_TGFA\_DN  
MIR6507\_3P, MIR6507\_3P  
GOBP\_REGULATION\_OF\_LIPID\_KINASE\_ACTIVITY, GOBP\_REGULATION\_OF\_LIPID\_KINASE\_ACTIVITY  
MIR4633\_3P, MIR6500\_5P, MIR4633\_3P, MIR6500\_5P  
BROWNE\_HCMV\_INFECTION\_30MIN\_DN, BROWNE\_HCMV\_INFECTION\_30MIN\_DN  
HP\_ABNORMAL\_TISSUE\_METABOLITE\_CONCENTRATION, HP\_ABNORMAL\_TISSUE\_METABOLITE\_CONCENTRATION  
HARALAMBIEVA\_PPMC\_TIV\_AGE\_50\_74YO\_CORRELATED\_WITH\_MEMORY\_B\_CELL\_RESPONSE\_3DY\_NEGATIVE  
GOMF\_GLUCCOXYLTRANSFERASE\_ACTIVITY, GOMF\_GLUCCOXYLTRANSFERASE\_ACTIVITY  
GOBP\_CELLULAR\_MODIFIED\_AMINO\_ACID\_CATABOLIC\_PROCESS, GOBP\_CELLULAR\_MODIFIED\_AMINO\_ACID\_CATABOLIC\_PROCESS  
GRABARCZYK\_BCL11B\_TARGETS\_DN, GRABARCZYK\_BCL11B\_TARGETS\_DN  
MIR3684, MIR3684  
PID\_EPHA2\_FWD\_PATHWAY, PID\_EPHA2\_FWD\_PATHWAY  
MIR409\_5P, MIR409\_5P  
HASLINGER\_B\_CLL\_WITH\_CHROMOSOME\_12\_TRISOMY, HASLINGER\_B\_CLL\_WITH\_CHROMOSOME\_12\_TRISOMY  
HP\_DYSADIADOCHOKINESIS, HP\_DYSADIADOCHOKINESIS  
GOBP\_RECEPTOR\_RECYCLING, GOBP\_RECEPTOR\_RECYCLING  
GOMF\_NUCLEOTIDE\_DIPHOSPHATASE\_ACTIVITY, GOMF\_NUCLEOTIDE\_DIPHOSPHATASE\_ACTIVITY  
HP\_ABNORMALITY\_OF\_THE\_DENTAL\_PULP, HP\_ABNORMALITY\_OF\_THE\_DENTAL\_PULP  
MIR3934\_5P, MIR3934\_5P  
GOBP\_REGULATION\_OF\_PROTEIN\_LOCALIZATION\_TO\_CENTROSOME, GOBP\_REGULATION\_OF\_PROTEIN\_LOCALIZATION\_TO\_CENTROSOME  
GOMF\_CROSSOVER\_JUNCTION\_ENDODEOXYRIBONUCLEASE\_ACTIVITY, GOMF\_CROSSOVER\_JUNCTION\_ENDODEOXYRIBONUCLEASE\_ACTIVITY  
MIR7106\_3P, MIR7106\_3P  
chr6q23, chr6q23  
GOCC\_TRANSCRIPTIONALLY\_ACTIVE\_CHROMATIN, GOCC\_TRANSCRIPTIONALLY\_ACTIVE\_CHROMATIN  
WANG\_RESPONSE\_TO\_BEXAROTENE\_UP, WANG\_RESPONSE\_TO\_BEXAROTENE\_UP  
GOBP\_CYCLIC\_NUCLEOTIDE-MEDIATED\_SIGNALING, GOBP\_CYCLIC\_NUCLEOTIDE-MEDIATED\_SIGNALING  
GOBP\_REGULATION\_OF\_PHOSPHATIDYLINOSITOL\_3\_KINASE\_ACTIVITY, GOBP\_REGULATION\_OF\_PHOSPHATIDYLINOSITOL\_3\_KINASE\_ACTIVITY  
HP\_HETEROCHROMIA\_IRIDIS, HP\_HETEROCHROMIA\_IRIDIS  
REACTOME\_METABOLISM\_OF\_COFACTORS, REACTOME\_METABOLISM\_OF\_COFACTORS  
HP\_ABNORMAL\_MAGNESIUM\_CONCENTRATION, HP\_ABNORMAL\_MAGNESIUM\_CONCENTRATION  
GOBP\_DEVELOPMENTAL\_PIGMENTATION, GOBP\_DEVELOPMENTAL\_PIGMENTATION  
HP\_INCREASED\_SERUM\_IRON, HP\_INCREASED\_SERUM\_IRON  
NIKOLSKY\_BREAST\_CANCER\_4P24\_P22\_AMPICON, NIKOLSKY\_BREAST\_CANCER\_4P24\_P22\_AMPICON  
GOBP\_SNO\_5\_RNA\_3\_END\_PROCESSING, GOBP\_SNO\_5\_RNA\_3\_END\_PROCESSING  
HP\_ABNORMAL\_PUPILLARY\_FUNCTION, HP\_ABNORMAL\_PUPILLARY\_FUNCTION  
GOERING\_BLOOD\_HDL\_CHOLESTEROL\_QTL\_TRANS, GOERING\_BLOOD\_HDL\_CHOLESTEROL\_QTL\_TRANS  
GOCC\_AXONAL\_GROWTH\_CONE, GOCC\_AXONAL\_GROWTH\_CONE  
GOMF\_GOLGI\_DISASSEMBLY, GOBP\_GOLGI\_DISASSEMBLY  
GOMF\_TRANSMEMBRANE\_RECEPTOR\_PROTEIN\_TYROSINE\_KINASE\_ADAPTOR\_ACTIVITY, GOMF\_TRANSMEMBRANE\_RECEPTOR\_PROTEIN\_TYROSINE\_KINASE\_ADAPTOR\_ACTIVITY  
REACTOME\_RET\_SIGNALING, REACTOME\_RET\_SIGNALING  
GOBP\_POSITIVE\_REGULATION\_OF\_LIPID\_KINASE\_ACTIVITY, GOBP\_POSITIVE\_REGULATION\_OF\_LIPID\_KINASE\_ACTIVITY  
GOMF\_TRANSLATION\_REPRESSOR\_ACTIVITY, GOMF\_TRANSLATION\_REPRESSOR\_ACTIVITY  
HP\_DRY\_HAIR, HP\_DRY\_HAIR  
XPO1\_TARGET\_GENES, XPO1\_TARGET\_GENES  
GOBP\_SIGNAL\_COMPLEX\_ASSEMBLY, GOBP\_SIGNAL\_COMPLEX\_ASSEMBLY  
WELCH\_GATAL\_TARGETS, WELCH\_GATAL\_TARGETS  
HP\_ABNORMAL\_CIRCULATING\_ARGININE\_CONCENTRATION, HP\_ABNORMAL\_CIRCULATING\_ARGININE\_CONCENTRATION  
GOMF\_ENDODEOXYRIBONUCLEASE\_ACTIVITY\_PRODUCING\_3\_PHOSPHOMONOESTERS, GOMF\_ENDODEOXYRIBONUCLEASE\_ACTIVITY\_PRODUCING\_3\_PHOSPHOMONOESTERS  
MODULE\_539, MODULE\_539  
HP\_ZONULAR\_CATARACT, HP\_ZONULAR\_CATARACT  
GOBP\_GLYCOSIDE\_CATABOLIC\_PROCESS, GOBP\_GLYCOSIDE\_CATABOLIC\_PROCESS  
GOCC\_HOLLIDAY\_JUNCTION\_RESOLVASE\_COMPLEX, GOCC\_HOLLIDAY\_JUNCTION\_RESOLVASE\_COMPLEX  
GOCC\_BBSOME, GOCC\_BBSOME  
HP\_AMINOAMINE\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY, GOMF\_MONOAMINE\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY  
WP\_ALANINE\_AND ASPARTATE METABOLISM, WP\_ALANINE\_AND ASPARTATE METABOLISM  
HP\_UNDETECTABLE\_LIGHT\_AND DARK ADAPTED ELECTRORETINOGRAM, HP\_UNDETECTABLE\_LIGHT\_AND DARK ADAPTED ELECTRORETINOGRAM  
GOMF\_ENDODEOXYRIBONUCLEASE\_COMPLEX, GOCC\_ENDODEOXYRIBONUCLEASE\_COMPLEX  
GOMF\_GLUCCURONOSYL\_N\_ACETYLGALACTOSAMINYL\_PROTEOGLYCAN\_4\_BETA\_N\_ACETYLGALACTOSAMINYL\_TRANSFERASE\_ACTIVITY, GOMF\_GLUCCURONOSYL\_N\_ACETYLGALACTOSAMINYL\_PROTEOGLYCAN\_4\_BETA\_N\_ACETYLGALACTOSAMINYL\_TRANSFERASE\_ACTIVITY  
MOTAMED\_RESPONSE\_TO\_ANDROGEN\_DN, MOTAMED\_RESPONSE\_TO\_ANDROGEN\_DN  
ZNF20\_TARGET\_GENES, ZNF20\_TARGET\_GENES  
GOBP\_SPLICEOSOMAL\_CONFORMATIONAL\_CHANGES\_TO\_GENERATE\_CATALYTIC\_CONFORMATION, GOBP\_SPLICEOSOMAL\_CONFORMATIONAL\_CHANGES\_TO\_GENERATE\_CATALYTIC\_CONFORMATION  
chr16q21, chr16q21  
GOBP\_UREA\_METABOLIC\_PROCESS, GOBP\_UREA\_METABOLIC\_PROCESS  
HP\_ALACRIMA, HP\_ALACRIMA  
WP\_MBDNF\_AND PROBDNF REGULATION\_OF\_GABA\_NEUROTRANSMISSION, WP\_MBDNF\_AND PROBDNF REGULATION\_OF\_GABA\_NEUROTRANSMISSION  
HP\_ANKLE\_CLOXUS, HP\_ANKLE\_CLOXUS  
GOBP\_N\_ACYLPHOSPHATIDYLETHANOLAMINE\_METABOLIC\_PROCESS, GOBP\_N\_ACYLPHOSPHATIDYLETHANOLAMINE\_METABOLIC\_PROCESS  
HP\_CHRONIC\_LYMPHATIC\_LEUKEMIA, HP\_CHRONIC\_LYMPHATIC\_LEUKEMIA  
GOBP\_NEUROTRANSMITTER\_RECEPTOR\_TRANSPORT\_ENDOSOME\_TO\_PLASMA\_MEMBRANE, GOBP\_NEUROTRANSMITTER\_RECEPTOR\_TRANSPORT\_ENDOSOME\_TO\_PLASMA\_MEMBRANE  
PID\_EPHRINB\_REV\_PATHWAY, PID\_EPHRINB\_REV\_PATHWAY  
FOXFI\_TARGET\_GENES, FOXFI\_TARGET\_GENES  
GOBP\_SYNAPTIC\_VESICLE\_RECYCLING\_VIA\_ENDOSOME, GOBP\_SYNAPTIC\_VESICLE\_RECYCLING\_VIA\_ENDOSOME  
GOCC\_DNA\_RECOMBINASE\_MEDIATOR\_COMPLEX, GOCC\_DNA\_RECOMBINASE\_MEDIATOR\_COMPLEX  
GOCC\_PHOSPHOLIPID\_TRANSLOCATING\_ATPASE\_COMPLEX, GOCC\_PHOSPHOLIPID\_TRANSLOCATING\_ATPASE\_COMPLEX  
SABATES\_COLORECTAL\_ADENOMA\_SIZE\_DN, SABATES\_COLORECTAL\_ADENOMA\_SIZE\_DN  
REACTOME\_SIGNALING\_BY\_NTRK2\_TRKB, REACTOME\_SIGNALING\_BY\_NTRK2\_TRKB  
HP\_DECREASED\_LACRIMATION, HP\_DECREASED\_LACRIMATION  
REACTOME\_P130CAS\_LINKAGE\_TO\_MAPK\_SIGNALING\_FOR\_INTEGRINS, REACTOME\_P130CAS\_LINKAGE\_TO\_MAPK\_SIGNALING\_FOR\_INTEGRINS  
HOEK\_NEUTROPHIL\_2011\_2012\_TIV\_ADULT\_3DY\_UP, HOEK\_NEUTROPHIL\_2011\_2012\_TIV\_ADULT\_3DY\_UP  
GOBP\_GLYCOSYLKERAMIDE\_METABOLIC\_PROCESS, GOBP\_GLYCOSYLKERAMIDE\_METABOLIC\_PROCESS  
GOBP\_RESPONSE\_TO\_GROWTH\_HORMONE, GOBP\_RESPONSE\_TO\_GROWTH\_HORMONE  
GOMF\_ANION\_CATION\_SYMPORTER\_ACTIVITY, GOMF\_ANION\_CATION\_SYMPORTER\_ACTIVITY  
GOBP\_BEHAVIORAL\_RESPONSE\_TO\_COCAINE, GOBP\_BEHAVIORAL\_RESPONSE\_TO\_COCAINE  
GOBP\_WATER\_HOMEOSTASIS, GOBP\_WATER\_HOMEOSTASIS  
GOBP\_PROTEIN\_OXIDATION, GOBP\_PROTEIN\_OXIDATION  
GOBP\_ANTIGEN\_PROCESSING\_AND\_PRESENTATION\_VIA\_MHC\_CLASS\_II, GOBP\_ANTIGEN\_PROCESSING\_AND\_PRESENTATION\_VIA\_MHC\_CLASS\_II  
GOBP\_AMINOGLYCOSIDE\_TRANSPORT, GOBP\_AMINOGLYCOSIDE\_TRANSPORT  
REACTOME\_RHO\_RECEPTORS\_BIND\_AKAP5, REACTOME\_RHO\_RECEPTORS\_BIND\_AKAP5  
GOBP\_POLYADENYLATION\_DEPENDENT\_SNORNA\_3\_END\_PROCESSING, GOBP\_POLYADENYLATION\_DEPENDENT\_SNORNA\_3\_END\_PROCESSING  
GOBP\_NEGATIVE\_REGULATION\_OF\_OSTEOCLAST\_DIFFERENTIATION, GOBP\_NEGATIVE\_REGULATION\_OF\_OSTEOCLAST\_DIFFERENTIATION  
GOBP\_HEAT\_ACCLIMATION, GOBP\_HEAT\_ACCLIMATION  
GOBP\_N\_ACYLETHANOLAMINE\_METABOLIC\_PROCESS, GOBP\_N\_ACYLETHANOLAMINE\_METABOLIC\_PROCESS  
GOBP\_CELLULAR\_HYPOTONIC\_RESPONSE, GOBP\_CELLULAR\_HYPOTONIC\_RESPONSE