

\_NEWCASTLE\_VIRUS\_DC\_4H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_4H\_UP

GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_8H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_8H\_UP  
GSE14000\_UNSTIM\_VS\_4H\_LPS\_DC\_TRANSLATED\_RNA\_UP, GSE14000\_UNSTIM\_VS\_4H\_LPS\_DC\_TRANSLATED\_RNA\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_16H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_16H\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_14H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_14H\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_18H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_18H\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_6H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_6H\_UP  
GSE14000\_UNSTIM\_VS\_16H\_LPS\_DC\_TRANSLATED\_RNA\_UP, GSE14000\_UNSTIM\_VS\_16H\_LPS\_DC\_TRANSLATED\_RNA\_UP  
GSE16755\_CTRL\_VS\_IFNA\_TREATED\_MAC\_UP, GSE16755\_CTRL\_VS\_IFNA\_TREATED\_MAC\_UP  
GSE37416\_0H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP, GSE37416\_0H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_12H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_12H\_UP  
GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_6H\_UP, GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_6H\_UP  
GSE40666\_UNTREATED\_VS\_IFNA\_STIM\_EFFECTOR\_CD8\_TCELL\_90MIN\_DN, GSE40666\_UNTREATED\_VS\_IFNA\_STIM\_EFFECTOR\_CD8\_TCELL\_90MIN\_DN  
GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_10H\_UP, GSE18791\_UNSTIM\_VS\_NEWCATSLE\_VIRUS\_DC\_10H\_UP  
GSE2770\_UNTREATED\_VS\_ACT\_CD4\_TCELL\_48H\_UP, GSE2770\_UNTREATED\_VS\_ACT\_CD4\_TCELL\_48H\_UP  
GSE2706\_UNSTIM\_VS\_2H\_R848\_DC\_UP, GSE2706\_UNSTIM\_VS\_2H\_R848\_DC\_UP  
GSE21546\_ELK1\_KO\_VS\_SAPIA\_KO\_AND\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP, GSE21546\_ELK1\_KO\_VS\_SAPIA\_KO\_AND\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP  
GSE2706\_UNSTIM\_VS\_2H\_LPS\_AND\_R848\_DC\_UP, GSE2706\_UNSTIM\_VS\_2H\_LPS\_AND\_R848\_DC\_UP  
GSE7348\_UNSTIM\_VS\_LPS\_STIM\_MACROPHAGE\_UP, GSE7348\_UNSTIM\_VS\_LPS\_STIM\_MACROPHAGE\_UP  
GSE17974\_0H\_VS\_2H\_IN\_VITRO\_ACT\_CD4\_TCELL\_DN, GSE17974\_0H\_VS\_2H\_IN\_VITRO\_ACT\_CD4\_TCELL\_DN  
GSE2706\_UNSTIM\_VS\_2H\_LPS\_DC\_UP, GSE2706\_UNSTIM\_VS\_2H\_LPS\_DC\_UP  
GSE3982\_CTRL\_VS\_LPS\_4H\_MAC\_UP, GSE3982\_CTRL\_VS\_LPS\_4H\_MAC\_UP  
GSE10856\_CTRL\_VS\_TNFRSF6B\_IN\_MACROPHAGE\_DN, GSE10856\_CTRL\_VS\_TNFRSF6B\_IN\_MACROPHAGE\_DN  
GSE17974\_IL4\_AND\_ANTI\_IL12\_VS\_UNTREATED\_0.5H\_ACT\_CD4\_TCELL\_UP, GSE17974\_IL4\_AND\_ANTI\_IL12\_VS\_UNTREATED\_0.5H\_ACT\_CD4\_TCELL\_UP  
GSE6269\_E\_COLI\_VS\_STAPH\_AUREUS\_INF\_PBMC\_UP, GSE6269\_E\_COLI\_VS\_STAPH\_AUREUS\_INF\_PBMC\_UP  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_2H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_2H\_UP  
GSE26928\_NAIVE\_VS\_CXCR5\_POS\_CD4\_TCELL\_UP, GSE26928\_NAIVE\_VS\_CXCR5\_POS\_CD4\_TCELL\_UP  
GSE8515\_CTRL\_VS\_IL1\_4H\_STIM\_MAC\_UP, GSE8515\_CTRL\_VS\_IL1\_4H\_STIM\_MAC\_UP  
GSE36891\_POLYIC\_TLR3\_VS\_PAM\_TLR2\_STIM\_PERITONEAL\_MACROPHAGE\_DN, GSE36891\_POLYIC\_TLR3\_VS\_PAM\_TLR2\_STIM\_PERITONEAL\_MACROPHAGE\_DN  
ZHANG\_RESPONSE\_TO\_IKK\_INHIBITOR\_AND\_TNF\_DN, ZHANG\_RESPONSE\_TO\_IKK\_INHIBITOR\_AND\_TNF\_DN  
GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBMC\_1MONTH\_POST\_DX\_DN, GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBMC\_1MONTH\_POST\_DX\_DN  
GSE15659\_NAIVE\_CD4\_TCELL\_VS\_ACTIVATED\_TREG\_DN, GSE15659\_NAIVE\_CD4\_TCELL\_VS\_ACTIVATED\_TREG\_DN  
MIR4716\_5P, MIR4716\_5P  
MIR3194\_5P, MIR3194\_5P  
GOBP\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_DNA\_DAMAGE, GOBP\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_DNA\_DAMAGE  
MOLENAAR\_TARGETS\_OF\_CCND1\_AND\_CDK4\_UP, MOLENAAR\_TARGETS\_OF\_CCND1\_AND\_CDK4\_UP  
MODULE\_277, MODULE\_277  
HP\_ABNORMALITY\_OF\_CHROMOSOME\_STABILITY, HP\_ABNORMALITY\_OF\_CHROMOSOME\_STABILITY  
HP\_PERSONALITY\_CHANGES, HP\_PERSONALITY\_CHANGES  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_BLUE\_DN, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_BLUE\_DN  
HP\_GONADAL\_NEOPLASM, HP\_GONADAL\_NEOPLASM  
GSE14000\_TRANSLATED\_RNA\_VS\_MRNA\_16H\_LPS\_DC\_UP, GSE14000\_TRANSLATED\_RNA\_VS\_MRNA\_16H\_LPS\_DC\_UP  
FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_336HR\_UP, FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_336HR\_UP  
HP\_TRACHEOESOPHAGEAL\_FISTULA, HP\_TRACHEOESOPHAGEAL\_FISTULA  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_RED\_DN, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_RED\_DN  
FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_192HR\_UP, FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_192HR\_UP  
HP\_OVARIAN\_NEOPLASM, HP\_OVARIAN\_NEOPLASM  
WP\_MITOCHONDRIAL\_GENE\_EXPRESSION, WP\_MITOCHONDRIAL\_GENE\_EXPRESSION  
MIR873\_3P, MIR873\_3P  
MIR4653\_5P, MIR4653\_5P  
FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_48HR\_UP, FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_48HR\_UP  
MIR3921, MIR3921  
MIR1243, MIR1243  
SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_1DY\_UP, SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_1DY\_UP  
MIR4448, MIR4448  
HP\_PREMATURE\_OVARIAN\_INSUFFICIENCY, HP\_PREMATURE\_OVARIAN\_INSUFFICIENCY  
GSE22589\_SIV\_VS\_HIV\_AND\_SIV\_INFECTED\_DC\_DN, GSE22589\_SIV\_VS\_HIV\_AND\_SIV\_INFECTED\_DC\_DN  
GTAGGCA\_MIR189, GTAGGCA\_MIR189  
HP\_AMENORRHEA, HP\_AMENORRHEA  
GSE43957\_UNTREATED\_VS\_NACL\_TREATED\_ANTI\_CD3\_CD28\_STIM\_CD4\_TCELL\_UP, GSE43957\_UNTREATED\_VS\_NACL\_TREATED\_ANTI\_CD3\_CD28\_STIM\_CD4\_TCELL\_UP  
GNF2\_TNFSF10, GNF2\_TNFSF10  
HOXA13\_TARGET\_GENES, HOXA13\_TARGET\_GENES  
GOBP\_RRNA\_PSEUDOURIDINE\_SYNTHESIS, GOBP\_RRNA\_PSEUDOURIDINE\_SYNTHESIS  
GOBP\_MITOCHONDRIAL\_DNA\_METABOLIC\_PROCESS, GOBP\_MITOCHONDRIAL\_DNA\_METABOLIC\_PROCESS  
HP\_MALE\_REPRODUCTIVE\_SYSTEM\_NEOPLASM, HP\_MALE\_REPRODUCTIVE\_SYSTEM\_NEOPLASM  
WP\_TOLLLIKE\_RECEPTOR\_SIGNALING\_RELATED\_TO\_MYD88, WP\_TOLLLIKE\_RECEPTOR\_SIGNALING\_RELATED\_TO\_MYD88  
MIR1226\_5P, MIR1226\_5P  
MIR6793\_5P, MIR6793\_5P  
HP\_PRIMARY\_AMENORRHEA, HP\_PRIMARY\_AMENORRHEA  
MIR5008\_5P, MIR5008\_5P  
BIOCARTA\_ETS\_PATHWAY, BIOCARTA\_ETS\_PATHWAY  
MORI\_PLASMA\_CELL\_DN, MORI\_PLASMA\_CELL\_DN  
TARTE\_PLASMA\_CELL\_VS\_B\_LYMPHOCYTE\_DN, TARTE\_PLASMA\_CELL\_VS\_B\_LYMPHOCYTE\_DN  
ZHAN\_MULTIPLE\_MYELOMA\_CD1\_DN, ZHAN\_MULTIPLE\_MYELOMA\_CD1\_DN  
HP\_DELUSIONS, HP\_DELUSIONS  
MIR4536\_3P, MIR4536\_3P  
GOBP\_RNA\_DECAPPING, GOBP\_RNA\_DECAPPING  
PID\_TOLL\_ENDOGENOUS\_PATHWAY, PID\_TOLL\_ENDOGENOUS\_PATHWAY  
GNF2\_SPI1, GNF2\_SPI1  
BIOCARTA\_BCELLSURVIVAL\_PATHWAY, BIOCARTA\_BCELLSURVIVAL\_PATHWAY  
HP\_EPISODIC\_TACHYPNEA, HP\_EPISODIC\_TACHYPNEA  
FRANCO\_BLOOD\_SANOFI\_PASTEUR\_SA\_INACTIVATED\_INFLUENZA\_VACCINE\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_AGE\_18\_40YO\_14DY\_POSITIVE, FRANCO\_BLOOD\_SANOFI\_PASTEUR\_SA\_INACTIVATED\_INFLUENZA\_VACCINE\_CORRELATED\_WITH\_ANTIBODY\_RESPONSE\_AGE\_18\_40YO\_14DY\_POSITIVE  
MIR1231, MIR1231  
GOBP\_MITOCHONDRIAL\_DNA\_REPLICATION, GOBP\_MITOCHONDRIAL\_DNA\_REPLICATION  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_1H\_UP, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_1H\_UP  
HP\_METRORRHAGIA, HP\_METRORRHAGIA  
GOBP\_DETECTION\_OF\_BIOTIC\_STIMULUS, GOBP\_DETECTION\_OF\_BIOTIC\_STIMULUS  
CHANG\_IMMORTALIZED\_BY\_HPV31\_DN, CHANG\_IMMORTALIZED\_BY\_HPV31\_DN  
MIR1265, MIR1265  
HP\_KETONURIA, HP\_KETONURIA  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_MAGENTA\_DN, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_MAGENTA\_DN  
ROVERSI\_GLIOMA\_COPY\_NUMBER\_DN, ROVERSI\_GLIOMA\_COPY\_NUMBER\_DN  
WANG\_RESPONSE\_TO\_FORSKOLIN\_UP, WANG\_RESPONSE\_TO\_FORSKOLIN\_UP  
XPO1\_TARGET\_GENES, XPO1\_TARGET\_GENES  
HP\_OVARIAN\_CARCINOMA, HP\_OVARIAN\_CARCINOMA  
GOBP\_MYD88\_DEPENDENT\_TOLL\_LIKE\_RECEPTOR\_SIGNALING\_PATHWAY, GOBP\_MYD88\_DEPENDENT\_TOLL\_LIKE\_RECEPTOR\_SIGNALING\_PATHWAY  
GOMF\_NADPLUS\_NUCLEOSIDASE\_ACTIVITY, GOMF\_NADPLUS\_NUCLEOSIDASE\_ACTIVITY  
GOBP\_POSITIVE\_REGULATION\_OF\_P38MAPK\_CASCADE, GOBP\_POSITIVE\_REGULATION\_OF\_P38MAPK\_CASCADE  
GOCC\_H3\_HISTONE\_ACETYLTRANSFERASE\_COMPLEX, GOCC\_H3\_HISTONE\_ACETYLTRANSFERASE\_COMPLEX  
GOBP\_DETECTION\_OF\_OTHER\_ORGANISM, GOBP\_DETECTION\_OF\_OTHER\_ORGANISM  
GOBP\_REGULATION\_OF\_TOLL\_LIKE\_RECEPTOR\_2\_SIGNALING\_PATHWAY, GOBP\_REGULATION\_OF\_TOLL\_LIKE\_RECEPTOR\_2\_SIGNALING\_PATHWAY  
CREBL2\_TARGET\_GENES, CREBL2\_TARGET\_GENES  
GOMF\_LIPOPEPTIDE\_BINDING, GOMF\_LIPOPEPTIDE\_BINDING  
WP\_ID\_SIGNALING\_PATHWAY, WP\_ID\_SIGNALING\_PATHWAY  
HP\_COLONIC\_DIVERTICULA, HP\_COLONIC\_DIVERTICULA  
HP\_ABNORMAL\_OSSIFICATION\_INVOLVING\_THE\_FEMORAL\_HEAD\_AND\_NECK, HP\_ABNORMAL\_OSSIFICATION\_INVOLVING\_THE\_FEMORAL\_HEAD\_AND\_NECK  
HP\_MOLAR\_TOOTH\_SIGN\_ON\_MRI, HP\_MOLAR\_TOOTH\_SIGN\_ON\_MRI  
REACTOME\_VITAMIN\_B2\_RIBOFLAVIN\_METABOLISM, REACTOME\_VITAMIN\_B2\_RIBOFLAVIN\_METABOLISM  
FRASOR\_TAMOXIFEN\_RESPONSE\_DN, FRASOR\_TAMOXIFEN\_RESPONSE\_DN  
HP\_BROAD\_COLUMELLA, HP\_BROAD\_COLUMELLA  
GOBP\_REGULATION\_OF\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_DNA\_DAMAGE, GOBP\_REGULATION\_OF\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_DNA\_DAMAGE  
REACTOME\_SMALL\_INTERFERING\_RNA\_SIRNA\_BIOGENESIS, REACTOME\_SMALL\_INTERFERING\_RNA\_SIRNA\_BIOGENESIS  
NEUROG3\_TARGET\_GENES, NEUROG3\_TARGET\_GENES  
REACTOME\_P2Y\_RECEPTORS, REACTOME\_P2Y\_RECEPTORS  
GOMF\_UDP\_GALACTOSE\_BETA\_N\_ACETYLGALUCOSAMINE\_BETA\_1\_3\_GALACTOSYLTRANSFERASE\_ACTIVITY, GOMF\_UDP\_GALACTOSE\_BETA\_N\_ACETYLGALUCOSAMINE\_BETA\_1\_3\_GALACTOSYLTRANSFERASE\_ACTIVITY  
GOBP\_OVARIAN\_FOLLICLE\_DEVELOPMENT, GOBP\_OVARIAN\_FOLLICLE\_DEVELOPMENT