

GSE29164\_UNTREATED\_VS\_CD8\_TCELL\_AND\_IL12\_TREATED\_MELANOMA\_DAY7\_UP  
GSE26351\_UNSTIM\_VS\_WNT\_PATHWAY\_STIM\_HEMATOPOIETIC\_PROGENITORS\_DN, GSE26351\_UNSTIM\_VS\_WNT\_PATHWAY\_STIM\_HEMATOPOIETIC\_PROGENITORS\_DN  
GSE29164\_DAY3\_VS\_DAY7\_UNTREATED\_MELANOMA\_DN, GSE29164\_DAY3\_VS\_DAY7\_UNTREATED\_MELANOMA\_DN  
GSE10239\_NAIVE\_VS\_MEMORY\_CD8\_TCELL\_UP, GSE10239\_NAIVE\_VS\_MEMORY\_CD8\_TCELL\_UP  
GSE11057\_CD4\_EFF\_MEM\_VS\_PBMC\_DN, GSE11057\_CD4\_EFF\_MEM\_VS\_PBMC\_DN  
GSE16522\_ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_MEMORY\_CD8\_TCELL\_DN, GSE16522\_ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_MEMORY\_CD8\_TCELL\_DN  
GSE32423\_IL7\_VS\_IL7\_IL4\_MEMORY\_CD8\_TCELL\_UP, GSE32423\_IL7\_VS\_IL7\_IL4\_MEMORY\_CD8\_TCELL\_UP  
GSE29164\_UNTREATED\_VS\_CD8\_TCELL\_TREATED\_MELANOMA\_DAY3\_UP, GSE29164\_UNTREATED\_VS\_CD8\_TCELL\_TREATED\_MELANOMA\_DAY3\_UP  
GSE32986\_CURDLAN\_LOWDDOSE\_VS\_CURDLAN\_HIGHDDOSE\_STIM\_DC\_UP, GSE32986\_CURDLAN\_LOWDDOSE\_VS\_CURDLAN\_HIGHDDOSE\_STIM\_DC\_UP  
GSE3982\_NEUTROPHIL\_VS\_NKCELL\_UP, GSE3982\_NEUTROPHIL\_VS\_NKCELL\_UP  
GSE411\_100MIN\_VS\_400MIN\_IL6\_STIM\_MACROPHAGE\_UP, GSE411\_100MIN\_VS\_400MIN\_IL6\_STIM\_MACROPHAGE\_UP  
GSE43863\_NAIVE\_VS\_MEMORY\_TFH\_CD4\_TCELL\_D150\_LCMV\_UP, GSE43863\_NAIVE\_VS\_MEMORY\_TFH\_CD4\_TCELL\_D150\_LCMV\_UP  
GSE369\_SOCS3\_KO\_VS\_WT\_LIVER\_DN, GSE369\_SOCS3\_KO\_VS\_WT\_LIVER\_DN  
GSE14908\_RESTING\_VS\_HDM\_STIM\_CD4\_TCELL\_NONATOPIC\_PATIENT\_DN, GSE14908\_RESTING\_VS\_HDM\_STIM\_CD4\_TCELL\_NONATOPIC\_PATIENT\_DN  
GSE21360\_NAIVE\_VS\_PRIMARY\_MEMORY\_CD8\_TCELL\_DN, GSE21360\_NAIVE\_VS\_PRIMARY\_MEMORY\_CD8\_TCELL\_DN  
GSE369\_PRE\_VS\_POST\_IL6\_INJECTION\_IFNG\_WT\_LIVER\_DN, GSE369\_PRE\_VS\_POST\_IL6\_INJECTION\_IFNG\_WT\_LIVER\_DN  
GSE12366\_PLASMA\_CELL\_VS\_MEMORY\_BCELL\_DN, GSE12366\_PLASMA\_CELL\_VS\_MEMORY\_BCELL\_DN  
GSE31082\_CD4\_VS\_CD8\_SP\_THYMOCYTE\_UP, GSE31082\_CD4\_VS\_CD8\_SP\_THYMOCYTE\_UP  
GSE22443\_NAIVE\_VS\_ACT\_AND\_IL12\_TREATED\_CD8\_TCELL\_UP, GSE22443\_NAIVE\_VS\_ACT\_AND\_IL12\_TREATED\_CD8\_TCELL\_UP  
GSE3982\_DC\_VS\_NKCELL\_UP, GSE3982\_DC\_VS\_NKCELL\_UP  
GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTI\_IL12\_12H\_CD4\_TCELL\_UP, GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTI\_IL12\_12H\_CD4\_TCELL\_UP  
BURTON\_ADIPOGENESIS\_6, BURTON\_ADIPOGENESIS\_6  
GO\_OUTER\_MEMBRANE, GO\_OUTER\_MEMBRANE  
GSE24634\_TEFF\_VS\_TCONV\_DAY10\_IN\_CULTURE\_DN, GSE24634\_TEFF\_VS\_TCONV\_DAY10\_IN\_CULTURE\_DN  
GSE13493\_DP\_VS\_CD8POS\_THYMOCYTE\_UP, GSE13493\_DP\_VS\_CD8POS\_THYMOCYTE\_UP  
GSE13173\_UNTREATED\_VS\_IL12\_TREATED\_ACT\_CD8\_TCELL\_DN, GSE13173\_UNTREATED\_VS\_IL12\_TREATED\_ACT\_CD8\_TCELL\_DN  
GSE1791\_CTRL\_VS\_NEUROMEDINU\_IN\_T\_CELL\_LINE\_6H\_UP, GSE1791\_CTRL\_VS\_NEUROMEDINU\_IN\_T\_CELL\_LINE\_6H\_UP  
GO\_REGULATION\_OF\_RESPONSE\_TO\_EXTRACELLULAR\_STIMULUS, GO\_REGULATION\_OF\_RESPONSE\_TO\_EXTRACELLULAR\_STIMULUS  
GAVIN\_FOXP3\_TARGETS\_CLUSTER\_T7, GAVIN\_FOXP3\_TARGETS\_CLUSTER\_T7  
GSE4142\_GC\_BCELL\_VS\_MEMORY\_BCELL\_DN, GSE4142\_GC\_BCELL\_VS\_MEMORY\_BCELL\_DN  
RB\_P130\_DN\_V1\_DN, RB\_P130\_DN\_V1\_DN  
GSE7460\_WT\_VS\_FOXP3\_HET\_ACT\_TCONV\_UP, GSE7460\_WT\_VS\_FOXP3\_HET\_ACT\_TCONV\_UP  
GSE3982\_DC\_VS\_BASOPHIL\_UP, GSE3982\_DC\_VS\_BASOPHIL\_UP  
GSE24210\_IL35\_TREATED\_VS\_UNTREATED\_TCONV\_CD4\_TCELL\_UP, GSE24210\_IL35\_TREATED\_VS\_UNTREATED\_TCONV\_CD4\_TCELL\_UP  
BIOCARTA\_MAPK\_PATHWAY, BIOCARTA\_MAPK\_PATHWAY  
SUNG\_METASTASIS\_STROMA\_UP, SUNG\_METASTASIS\_STROMA\_UP  
GSE24210\_TCONV\_VS\_TREG\_DN, GSE24210\_TCONV\_VS\_TREG\_DN  
GO\_PEPTIDYL\_SERINE\_MODIFICATION, GO\_PEPTIDYL\_SERINE\_MODIFICATION  
GSE17580\_TREG\_VS\_TEFF\_S\_MANSONI\_INF\_DN, GSE17580\_TREG\_VS\_TEFF\_S\_MANSONI\_INF\_DN  
GO\_ORGANELLE\_FUSION, GO\_ORGANELLE\_FUSION  
GSE20366\_CD103\_KLRG1\_DP\_VS\_DN\_TREG\_DN, GSE20366\_CD103\_KLRG1\_DP\_VS\_DN\_TREG\_DN  
GSE43955\_TH0\_VS\_TGFB\_IL6\_THI7\_ACT\_CD4\_TCELL\_4H\_DN, GSE43955\_TH0\_VS\_TGFB\_IL6\_THI7\_ACT\_CD4\_TCELL\_4H\_DN  
BROWNE\_HCMV\_INFECTION\_12HR\_UP, BROWNE\_HCMV\_INFECTION\_12HR\_UP  
GSE2770\_IL12\_ACT\_VS\_ACT\_CD4\_TCELL\_2H\_UP, GSE2770\_IL12\_ACT\_VS\_ACT\_CD4\_TCELL\_2H\_UP  
GSE3982\_NEUTROPHIL\_VS\_TH1\_UP, GSE3982\_NEUTROPHIL\_VS\_TH1\_UP  
GSE43955\_TH0\_VS\_TGFB\_IL6\_IL23\_THI7\_ACT\_CD4\_TCELL\_52H\_UP, GSE43955\_TH0\_VS\_TGFB\_IL6\_IL23\_THI7\_ACT\_CD4\_TCELL\_52H\_UP  
GO\_PHAGOCYTOSIS, GO\_PHAGOCYTOSIS  
QL\_HYPOXIA, QL\_HYPOXIA  
GSE8621\_UNSTIM\_VS\_LPS\_PRIMED\_AND\_LPS\_STIM\_MACROPHAGE\_DN, GSE8621\_UNSTIM\_VS\_LPS\_PRIMED\_AND\_LPS\_STIM\_MACROPHAGE\_DN  
GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_PLASMA\_CELL\_DAY7\_DN, GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_PLASMA\_CELL\_DAY7\_DN  
RODWELL\_AGING\_KIDNEY\_DN, RODWELL\_AGING\_KIDNEY\_DN  
PID\_FCR1\_PATHWAY, PID\_FCR1\_PATHWAY  
GSE3982\_MAST\_CELL\_VS\_DC\_DN, GSE3982\_MAST\_CELL\_VS\_DC\_DN  
GSE21379\_WT\_VS\_SAP\_KO\_TFH\_CD4\_TCELL\_DN, GSE21379\_WT\_VS\_SAP\_KO\_TFH\_CD4\_TCELL\_DN  
BIOCARTA\_P38MAPK\_PATHWAY, BIOCARTA\_P38MAPK\_PATHWAY  
BROWNE\_INTERFERON\_RESPONSE\_GENES, BROWNE\_INTERFERON\_RESPONSE\_GENES  
BONOME\_OVARIAN\_CANCER\_POOR\_SURVIVAL\_UP, BONOME\_OVARIAN\_CANCER\_POOR\_SURVIVAL\_UP  
GSE16385\_UNTREATED\_VS\_12H\_IL4\_TREATED\_MACROPHAGE\_DN, GSE16385\_UNTREATED\_VS\_12H\_IL4\_TREATED\_MACROPHAGE\_DN  
WENDT\_COHESIN\_TARGETS\_UP, WENDT\_COHESIN\_TARGETS\_UP  
GO\_CLATHRIN\_COATED\_VESICLE, GO\_CLATHRIN\_COATED\_VESICLE  
GO\_REGULATION\_OF\_RHO\_PROTEIN\_SIGNAL\_TRANSDUCTION, GO\_REGULATION\_OF\_RHO\_PROTEIN\_SIGNAL\_TRANSDUCTION  
CHENG\_IMPRINTED\_BY ESTRADIOL, CHENG\_IMPRINTED\_BY ESTRADIOL  
GSE43955\_TH0\_VS\_TGFB\_IL6\_THI7\_ACT\_CD4\_TCELL\_60H\_UP, GSE43955\_TH0\_VS\_TGFB\_IL6\_THI7\_ACT\_CD4\_TCELL\_60H\_UP  
GO\_VACUOLE\_FUSION, GO\_VACUOLE\_FUSION  
GSE8835\_CD4\_VS\_CD8\_TCELL\_CLI\_PATIENT\_UP, GSE8835\_CD4\_VS\_CD8\_TCELL\_CLI\_PATIENT\_UP  
GSE12963\_UNINF\_VS\_ENV\_AND\_NEF\_AND\_VPR\_DEFICIENT\_HIV1\_INF\_CD4\_TCELL\_UP, GSE12963\_UNINF\_VS\_ENV\_AND\_NEF\_AND\_VPR\_DEFICIENT\_HIV1\_INF\_CD4\_TCELL\_UP  
BIOCARTA\_SPPA\_PATHWAY, BIOCARTA\_SPPA\_PATHWAY  
NAKAYAMA\_FRA2\_TARGETS, NAKAYAMA\_FRA2\_TARGETS  
Terao\_AOX4\_TARGETS\_HG\_UP, Terao\_AOX4\_TARGETS\_HG\_UP  
GSE16450\_CTRL\_VS\_IFNA\_6H\_STIM\_IMMATURE\_NEURON\_CELL\_LINE\_UP, GSE16450\_CTRL\_VS\_IFNA\_6H\_STIM\_IMMATURE\_NEURON\_CELL\_LINE\_UP  
GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_CLONEI3\_EFFECTOR\_CD8\_TCELL\_DN, GSE41867\_NAIVE\_VS\_DAY8\_LCMV\_CLONEI3\_EFFECTOR\_CD8\_TCELL\_DN  
GO\_POSITIVE\_REGULATION\_OF\_MITOCHONDRIAL\_MEMBRANE\_PERMEABILITY, GO\_POSITIVE\_REGULATION\_OF\_MITOCHONDRIAL\_MEMBRANE\_PERMEABILITY  
GO\_MICROBODY\_PART, GO\_MICROBODY\_PART  
GSE13522\_CTRL\_VS\_T\_CRUZI\_BRAZIL\_STRAIN\_INF\_SKIN\_DN, GSE13522\_CTRL\_VS\_T\_CRUZI\_BRAZIL\_STRAIN\_INF\_SKIN\_DN  
GO\_T\_CELL\_DIFFERENTIATION, GO\_T\_CELL\_DIFFERENTIATION  
GSE35543\_IN\_VIVO\_NTREG\_VS\_IN\_VITRO\_ITREG\_DN, GSE35543\_IN\_VIVO\_NTREG\_VS\_IN\_VITRO\_ITREG\_DN  
CGGATGC\_MIR3245P, CGGATGC\_MIR3245P  
GO\_ORGANELLE\_MEMBRANE\_FUSION, GO\_ORGANELLE\_MEMBRANE\_FUSION  
MODULE\_430, MODULE\_430  
YAO\_TEMPORAL\_RESPONSE\_TO\_PROGESTERONE\_CLUSTER\_0, YAO\_TEMPORAL\_RESPONSE\_TO\_PROGESTERONE\_CLUSTER\_0  
GALLUZZI\_PERMEABILIZE\_MITOCHONDRIA, GALLUZZI\_PERMEABILIZE\_MITOCHONDRIA  
ZHAN\_MULTIPLE\_MYELOMA\_CD1\_AND\_CD2\_DN, ZHAN\_MULTIPLE\_MYELOMA\_CD1\_AND\_CD2\_DN  
IRF2\_01, IRF2\_01  
BIOCARTA\_IL6\_PATHWAY, BIOCARTA\_IL6\_PATHWAY  
GSE24574\_BCL6\_HIGH\_TFH\_VS\_TCONV\_CD4\_TCELL\_DN, GSE24574\_BCL6\_HIGH\_TFH\_VS\_TCONV\_CD4\_TCELL\_DN  
GO\_ATPASE\_ACTIVITY\_COUPLED\_TO\_MOVEMENT\_OF\_SUBSTANCES, GO\_ATPASE\_ACTIVITY\_COUPLED\_TO\_MOVEMENT\_OF\_SUBSTANCES  
GSE37534\_PIOGLITAZONE\_VS\_ROSIGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_FOXP3\_TRANSDUCED\_UP, GSE37534\_PIOGLITAZONE\_VS\_ROSIGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_FOXP3\_TRANSDUCED\_UP  
GO\_CD4\_POSITIVE\_ALPHA\_BETA\_T\_CELL\_ACTIVATION, GO\_CD4\_POSITIVE\_ALPHA\_BETA\_T\_CELL\_ACTIVATION  
CHEN\_LIVER\_METABOLISM\_QTL\_CIS, CHEN\_LIVER\_METABOLISM\_QTL\_CIS  
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  
GO\_LYSOSOMAL\_TRANSPORT, GO\_LYSOSOMAL\_TRANSPORT  
GO\_CATION\_TRANSPORTING\_ATPASE\_ACTIVITY, GO\_CATION\_TRANSPORTING\_ATPASE\_ACTIVITY  
GO\_ENDOSOME\_TO\_LYSOSOME\_TRANSPORT, GO\_ENDOSOME\_TO\_LYSOSOME\_TRANSPORT  
GO\_REGULATION\_OF\_FIBROBLAST\_APOPTOTIC\_PROCESS, GO\_REGULATION\_OF\_FIBROBLAST\_APOPTOTIC\_PROCESS  
GO\_THIOESTER\_METABOLIC\_PROCESS, GO\_THIOESTER\_METABOLIC\_PROCESS  
XU\_RESPONSE\_TO\_TRETINOIN\_UP, XU\_RESPONSE\_TO\_TRETINOIN\_UP  
ZHAN\_MULTIPLE\_MYELOMA\_CD1\_DN, ZHAN\_MULTIPLE\_MYELOMA\_CD1\_DN  
GO\_DENDRITIC\_SPINE\_DEVELOPMENT, GO\_DENDRITIC\_SPINE\_DEVELOPMENT  
PRAMOONJAGO\_SOX4\_TARGETS\_UP, PRAMOONJAGO\_SOX4\_TARGETS\_UP  
GO\_POSITIVE\_REGULATION\_OF\_T\_CELL\_PROLIFERATION, GO\_POSITIVE\_REGULATION\_OF\_T\_CELL\_PROLIFERATION  
MARIADASON\_RESPONSE\_TO\_BUTYRATE\_SULINDAC\_4, MARIADASON\_RESPONSE\_TO\_BUTYRATE\_SULINDAC\_4  
REACTOME\_SEMAPHORIN\_INTERACTIONS, REACTOME\_SEMAPHORIN\_INTERACTIONS  
GO\_REGULATION\_OF\_VESICLE\_FUSION, GO\_REGULATION\_OF\_VESICLE\_FUSION  
GSE43955\_10H\_VS\_30H\_ACT\_CD4\_TCELL\_UP, GSE43955\_10H\_VS\_30H\_ACT\_CD4\_TCELL\_UP  
GO\_RAC\_PROTEIN\_SIGNAL\_TRANSDUCTION, GO\_RAC\_PROTEIN\_SIGNAL\_TRANSDUCTION  
FIRESTEIN\_PROLIFERATION, FIRESTEIN\_PROLIFERATION  
GO\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_III\_PROMOTER, GO\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_III\_PROMOTER  
GO\_PROTON\_TRANSPORTING\_TWO\_SECTOR\_ATPASE\_COMPLEX\_CATALYTIC\_DOMAIN, GO\_PROTON\_TRANSPORTING\_TWO\_SECTOR\_ATPASE\_COMPLEX\_CATALYTIC\_DOMAIN  
GSE37534\_GW1929\_VS\_PIOGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_FOXP3\_TRANSDUCED\_UP, GSE37534\_GW1929\_VS\_PIOGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_FOXP3\_TRANSDUCED\_UP  
GO\_REGULATION\_OF\_BEHAVIOR, GO\_REGULATION\_OF\_BEHAVIOR  
GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_DC\_BRAIN\_DN, GSE29949\_CD8\_POS\_DC\_SPLEEN\_VS\_DC\_BRAIN\_DN  
KASLER\_HDAC7\_TARGETS\_1\_DN, KASLER\_HDAC7\_TARGETS\_1\_DN  
MIDORIKAWA\_AMPLIFIED\_IN\_LIVER\_CANCER, MIDORIKAWA\_AMPLIFIED\_IN\_LIVER\_CANCER  
MODULE\_484, MODULE\_484  
GO\_REGULATION\_OF\_PHOSPHOLIPID\_METABOLIC\_PROCESS, GO\_REGULATION\_OF\_PHOSPHOLIPID\_METABOLIC\_PROCESS  
BIOCARTA\_IL2\_PATHWAY, BIOCARTA\_IL2\_PATHWAY  
GO\_MULTI\_ORGANISM\_ORGANELLE\_ORGANIZATION, GO\_MULTI\_ORGANISM\_ORGANELLE\_ORGANIZATION  
GSE2770\_IL12\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_2H\_DN, GSE2770\_IL12\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_2H\_DN  
BIOCARTA\_HDAC\_PATHWAY, BIOCARTA\_HDAC\_PATHWAY  
GO\_TOR\_COMPLEX, GO\_TOR\_COMPLEX  
GO\_ALPHA\_BETA\_T\_CELL\_DIFFERENTIATION, GO\_ALPHA\_BETA\_T\_CELL\_DIFFERENTIATION  
GO\_REGULATION\_OF\_SUPEROXIDE\_METABOLIC\_PROCESS, GO\_REGULATION\_OF\_SUPEROXIDE\_METABOLIC\_PROCESS  
GO\_FATTY\_ACYL\_COA\_METABOLIC\_PROCESS, GO\_FATTY\_ACYL\_COA\_METABOLIC\_PROCESS  
BERNARD\_PPAPDC1B\_TARGETS\_DN, BERNARD\_PPAPDC1B\_TARGETS\_DN  
PAX8\_B, PAX8\_B  
GO\_PROTEIN\_KINASE\_C\_ACTIVITY, GO\_PROTEIN\_KINASE\_C\_ACTIVITY  
GSE10422\_WT\_VS\_BAFF\_TRANSGENIC\_LN\_BCELL\_DN, GSE10422\_WT\_VS\_BAFF\_TRANSGENIC\_LN\_BCELL\_DN  
GO\_VITAMIN\_TRANSPORT, GO\_VITAMIN\_TRANSPORT  
GO\_NON\_MEMBRANE\_SPANNING\_PROTEIN\_TYROSINE\_KINASE\_ACTIVITY, GO\_NON\_MEMBRANE\_SPANNING\_PROTEIN\_TYROSINE\_KINASE\_ACTIVITY  
GO\_NEGATIVE\_REGULATION\_OF\_MACROAUTOPHAGY, GO\_NEGATIVE\_REGULATION\_OF\_MACROAUTOPHAGY  
BIOCARTA\_PGC1A\_PATHWAY, BIOCARTA\_PGC1A\_PATHWAY  
BACOLOD\_RESISTANCE\_TO\_ALKYLATING\_AGENTS\_UP, BACOLOD\_RESISTANCE\_TO\_ALKYLATING\_AGENTS\_UP  
JOHNSTONE\_PARVB\_TARGETS\_1\_DN, JOHNSTONE\_PARVB\_TARGETS\_1\_DN  
HTE\_01, HTE\_01  
GO\_POSITIVE\_REGULATION\_OF\_LIPID\_BIOSYNTHETIC\_PROCESS, GO\_POSITIVE\_REGULATION\_OF\_LIPID\_BIOSYNTHETIC\_PROCESS  
GO\_ALPHA\_BETA\_T\_CELL\_ACTIVATION, GO\_ALPHA\_BETA\_T\_CELL\_ACTIVATION  
XU\_GH1\_EXOGENOUS\_TARGETS\_DN, XU\_GH1\_EXOGENOUS\_TARGETS\_DN  
GO\_REGULATION\_OF\_PLATELET\_AGGREGATION, GO\_REGULATION\_OF\_PLATELET\_AGGREGATION  
GSE29618\_PRE\_VS\_DAY7\_FLU\_VACCINE\_MONOCYTE\_UP, GSE29618\_PRE\_VS\_DAY7\_FLU\_VACCINE\_MONOCYTE\_UP  
NAGASHIMA\_NRG1\_SIGNALING\_DN, NAGASHIMA\_NRG1\_SIGNALING\_DN  
GO\_HISTONE\_H3\_DEACETYLATION, GO\_HISTONE\_H3\_DEACETYLATION  
KEGG\_BIOSYNTHESIS\_OF\_UNSATURATED\_FATTY\_ACIDS, KEGG\_BIOSYNTHESIS\_OF\_UNSATURATED\_FATTY\_ACIDS  
GO\_ER\_NUCLEUS\_SIGNALING\_PATHWAY, GO\_ER\_NUCLEUS\_SIGNALING\_PATHWAY  
GSE43863\_NAIVE\_VS\_MEMORY\_TH1\_CD4\_TCELL\_D150\_LCMV\_DN, GSE43863\_NAIVE\_VS\_MEMORY\_TH1\_CD4\_TCELL\_D150\_LCMV\_DN  
GO\_TRANSITION\_METAL\_ION\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY, GO\_TRANSITION\_METAL\_ION\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY  
GSE16450\_IMMATURE\_VS\_MATURE\_NEURON\_CELL\_LINE\_6H\_IFNA\_STIM\_DN, GSE16450\_IMMATURE\_VS\_MATURE\_NEURON\_CELL\_LINE\_6H\_IFNA\_STIM\_DN  
GO\_NEGATIVE\_REGULATION\_OF\_RESPONSE\_TO\_ENDOPLASMIC\_RETICULUM\_STRESS, GO\_NEGATIVE\_REGULATION\_OF\_RESPONSE\_TO\_ENDOPLASMIC\_RETICULUM\_STRESS  
GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_14H\_DN, GSE18791\_CTRL\_VS\_NEWCASTLE\_VIRUS\_DC\_14H\_DN  
REACTOME\_NRAGE\_SIGNALS\_DEATH\_THROUGH\_JNK, REACTOME\_NRAGE\_SIGNALS\_DEATH\_THROUGH\_JNK  
GO\_CALMODULIN\_DEPENDENT\_PROTEIN\_KINASE\_ACTIVITY, GO\_CALMODULIN\_DEPENDENT\_PROTEIN\_KINASE\_ACTIVITY  
GO\_LONG\_TERM\_MEMORY, GO\_LONG\_TERM\_MEMORY  
GO\_TOR\_SIGNALING, GO\_TOR\_SIGNALING  
GO\_THIOESTER\_BIOSYNTHETIC\_PROCESS, GO\_THIOESTER\_BIOSYNTHETIC\_PROCESS  
GO\_LYMPHOCYTE\_COSTIMULATION, GO\_LYMPHOCYTE\_COSTIMULATION  
GO\_SINGLE\_ORGANISM\_MEMBRANE\_FUSION, GO\_SINGLE\_ORGANISM\_MEMBRANE\_FUSION  
MCCABE\_HOXC6\_TARGETS\_CANCER\_DN, MCCABE\_HOXC6\_TARGETS\_CANCER\_DN  
YAN\_ESCAPE\_FROM\_ANOIKIS, YAN\_ESCAPE\_FROM\_ANOIKIS  
BERTUCCI\_INVASIVE\_CARCINOMA\_DUCTAL\_VS\_LOBULAR\_UP, BERTUCCI\_INVASIVE\_CARCINOMA\_DUCTAL\_VS\_LOBULAR\_UP  
MORF\_PTPRR, MORF\_PTPRR  
AR\_Q2, AR\_Q2  
GSE45365\_CD8A\_DC\_VS\_CD11B\_DC\_IFNAR\_KO\_MCMV\_INFECTION\_UP, GSE45365\_CD8A\_DC\_VS\_CD11B\_DC\_IFNAR\_KO\_MCMV\_INFECTION\_UP  
JKEDA\_MIR30\_TARGETS\_DN, JKEDA\_MIR30\_TARGETS\_DN  
SHIN\_B\_CELL\_LYMPHOMA\_CLUSTER\_2, SHIN\_B\_CELL\_LYMPHOMA\_CLUSTER\_2  
GO\_PROSTANOID\_METABOLIC\_PROCESS, GO\_PROSTANOID\_METABOLIC\_PROCESS  
GO\_HISTONE\_DEACETYLASE\_ACTIVITY\_H3\_K14\_SPECIFIC, GO\_HISTONE\_DEACETYLASE\_ACTIVITY\_H3\_K14\_SPECIFIC  
GO\_REGULATION\_OF\_SUPEROXIDE\_ANION\_GENERATION, GO\_REGULATION\_OF\_SUPEROXIDE\_ANION\_GENERATION  
GO\_ACID\_THIOL\_LIGASE\_ACTIVITY, GO\_ACID\_THIOL\_LIGASE\_ACTIVITY  
MORF\_CTSB, MORF\_CTSB  
KREPPPEL\_CD99\_TARGETS\_DN, KREPPPEL\_CD99\_TARGETS\_DN  
GO\_POSITIVE\_REGULATION\_OF\_ACTIN\_NUCLEATION, GO\_POSITIVE\_REGULATION\_OF\_ACTIN\_NUCLEATION  
KYNING\_ENVIRONMENTAL\_STRESS\_RESPONSE\_NOT\_BY\_GAMMA\_IN\_WS, KYNING\_ENVIRONMENTAL\_STRESS\_RESPONSE\_NOT\_BY\_GAMMA\_IN\_WS  
GO\_POSITIVE\_REGULATION\_OF\_LIPID\_METABOLIC\_PROCESS, GO\_POSITIVE\_REGULATION\_OF\_LIPID\_METABOLIC\_PROCESS  
GO GRANULOCYTE\_ACTIVATION, GO GRANULOCYTE\_ACTIVATION  
GO\_PALMITOYLTRANSFERASE\_ACTIVITY, GO\_PALMITOYLTRANSFERASE\_ACTIVITY