

GSE6269\_FLU\_VS\_STAPH\_AUREUS\_INF\_PPMC\_FLU\_VS\_STAPH\_AUREUS\_INF\_PPMC\_UP  
GSE22886\_CD4\_TCELL\_VS\_NEUTROPHIL\_UP, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_NEUTROPHIL\_UP  
GSE11057\_NAIVE\_CD4\_VS\_PBMC\_CD4\_TCELL\_UP, GSE11057\_NAIVE\_CD4\_VS\_PBMC\_CD4\_TCELL\_UP  
GSE3982\_NEUTROPHIL\_VS\_CENT\_MEMORY\_CD4\_TCELL\_DN, GSE3982\_NEUTROPHIL\_VS\_CENT\_MEMORY\_CD4\_TCELL\_DN  
GSE22886\_CD8\_TCELL\_VS\_BCELL\_NAIVE\_UP, GSE22886\_CD8\_TCELL\_VS\_BCELL\_NAIVE\_UP  
GSE22886\_CD4\_TCELL\_VS\_BCELL\_NAIVE\_UP, GSE22886\_CD4\_TCELL\_VS\_BCELL\_NAIVE\_UP  
GSE11057\_CD4\_EFF\_MEM\_VS\_PBMC\_UP, GSE11057\_CD4\_EFF\_MEM\_VS\_PBMC\_UP  
GSE10325\_LUPUS\_CD4\_TCELL\_VS\_LUPUS\_MYELOID\_UP, GSE10325\_LUPUS\_CD4\_TCELL\_VS\_LUPUS\_MYELOID\_UP  
GSE11057\_PBMC\_VS\_MEM\_CD4\_TCELL\_DN, GSE11057\_PBMC\_VS\_MEM\_CD4\_TCELL\_DN  
GSE10325\_LUPUS\_CD4\_TCELL\_VS\_LUPUS\_BCELL\_UP, GSE10325\_LUPUS\_CD4\_TCELL\_VS\_LUPUS\_BCELL\_UP  
GSE22886\_NAIVE\_CD4\_TCELL\_VS\_DC\_UP, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_DC\_UP  
CUI\_DEVELOPING\_HEART\_C9\_B\_T\_CELL, CUI\_DEVELOPING\_HEART\_C9\_B\_T\_CELL  
GSE10325\_CD4\_TCELL\_VS\_MYELOID\_UP, GSE10325\_CD4\_TCELL\_VS\_MYELOID\_UP  
GSE22886\_NAIVE\_CD8\_TCELL\_VS\_MONOCYTE\_UP, GSE22886\_NAIVE\_CD8\_TCELL\_VS\_MONOCYTE\_UP  
KAECH\_DAYS\_EFF\_VS\_MEMORY\_CD8\_TCELL\_DN, KAECH\_DAYS\_EFF\_VS\_MEMORY\_CD8\_TCELL\_DN  
GSE29618\_MONOCYTE\_VS\_PDC\_DAY7\_FLU\_VACCINE\_DN, GSE29618\_MONOCYTE\_VS\_PDC\_DAY7\_FLU\_VACCINE\_DN  
GSE13411\_NAIVE\_BCELL\_VS\_PLASMA\_CELL\_UP, GSE13411\_NAIVE\_BCELL\_VS\_PLASMA\_CELL\_UP  
GSE29618\_MONOCYTE\_VS\_PDC\_DN, GSE29618\_MONOCYTE\_VS\_PDC\_DN  
GSE3982\_FOSINOPHIL\_VS\_NKCELL\_DN, GSE3982\_FOSINOPHIL\_VS\_NKCELL\_DN  
GSE32423\_CTRL\_VS\_IL7\_IL4\_MEMORY\_CD8\_TCELL\_UP, GSE32423\_CTRL\_VS\_IL7\_IL4\_MEMORY\_CD8\_TCELL\_UP  
GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_UP, GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_UP  
GSE37301\_MULTIPOTENT\_PROGENITOR\_VS\_RAG2\_KO\_NK\_CELL\_DN, GSE37301\_MULTIPOTENT\_PROGENITOR\_VS\_RAG2\_KO\_NK\_CELL\_DN  
GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN3\_THYMCYTE\_ADULT\_DN, GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN3\_THYMCYTE\_ADULT\_DN  
GSE1925\_CTRL\_VS\_24H\_IFNG\_STIM\_IFNG\_PRIMED\_MACROPHAGE\_UP, GSE1925\_CTRL\_VS\_24H\_IFNG\_STIM\_IFNG\_PRIMED\_MACROPHAGE\_UP  
GSE22886\_NAIVE\_CD8\_TCELL\_VS\_NKCELL\_UP, GSE22886\_NAIVE\_CD8\_TCELL\_VS\_NKCELL\_UP  
AIZARANI\_LIVER\_C1\_NK\_NKT\_CELLS\_1, AIZARANI\_LIVER\_C1\_NK\_NKT\_CELLS\_1  
GSE23568\_ID3\_TRANSDUCED\_VS\_ID3\_KO\_CD8\_TCELL\_UP, GSE23568\_ID3\_TRANSDUCED\_VS\_ID3\_KO\_CD8\_TCELL\_UP  
GSE10325\_BCELL\_VS\_MYELOID\_UP, GSE10325\_BCELL\_VS\_MYELOID\_UP  
GSE33292\_DN3\_THYMCYTE\_VS\_TCF1\_KO\_TCELL\_LYMPHOMA\_UP, GSE33292\_DN3\_THYMCYTE\_VS\_TCF1\_KO\_TCELL\_LYMPHOMA\_UP  
FAN\_EMBRYONIC\_CTX\_BRAIN\_EFFECTOR\_T\_CELL, FAN\_EMBRYONIC\_CTX\_BRAIN\_EFFECTOR\_T\_CELL  
DESCARTES\_FETAL\_ADRENAL\_LYMPHOID\_CELLS, DESCARTES\_FETAL\_ADRENAL\_LYMPHOID\_CELLS  
DESCARTES\_FETAL\_INTESTINE\_LYMPHOID\_CELLS, DESCARTES\_FETAL\_INTESTINE\_LYMPHOID\_CELLS  
GSE3039\_NKT\_CELL\_VS\_B2\_BCELL\_UP, GSE3039\_NKT\_CELL\_VS\_B2\_BCELL\_UP  
DESCARTES\_FETAL\_LUNG\_LYMPHOID\_CELLS, DESCARTES\_FETAL\_LUNG\_LYMPHOID\_CELLS  
GSE1460\_DP\_VS\_CD4\_THYMCYTE\_DN, GSE1460\_DP\_VS\_CD4\_THYMCYTE\_DN  
GSE29618\_BCELL\_VS\_MDC\_UP, GSE29618\_BCELL\_VS\_MDC\_UP  
GSE13522\_CTRL\_VS\_T\_CRUZL\_Y\_STRAIN\_INF\_SKIN\_IFNAR\_KO\_UP, GSE13522\_CTRL\_VS\_T\_CRUZL\_Y\_STRAIN\_INF\_SKIN\_IFNAR\_KO\_UP  
GSE10211\_UV\_INACT\_SENDAL\_VS\_LIVE\_SENDAL\_VIRUS\_TRACHEAL\_EPITHELIAL\_CELLS\_UP, GSE10211\_UV\_INACT\_SENDAL\_VS\_LIVE\_SENDAL\_VIRUS\_TRACHEAL\_EPITHELIAL\_CELLS\_UP  
TRAVAGLINI\_LUNG\_NATURAL\_KILLER\_CELL, TRAVAGLINI\_LUNG\_NATURAL\_KILLER\_CELL  
MIR4478, MIR4478  
GSE22611\_UNSTIM\_VS\_2H\_MDP\_STIM\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_DN, GSE22611\_UNSTIM\_VS\_2H\_MDP\_STIM\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_DN  
GSE29618\_BCELL\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP, GSE29618\_BCELL\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP  
GSE43955\_TH0\_VS\_TGFB\_IL6\_THI7\_ACT\_CD4\_TCELL\_1H\_UP, GSE43955\_TH0\_VS\_TGFB\_IL6\_THI7\_ACT\_CD4\_TCELL\_1H\_UP  
AIZARANI\_LIVER\_C5\_NK\_NKT\_CELLS\_3, AIZARANI\_LIVER\_C5\_NK\_NKT\_CELLS\_3  
DESCARTES\_FETAL\_PLACENTA\_LYMPHOID\_CELLS, DESCARTES\_FETAL\_PLACENTA\_LYMPHOID\_CELLS  
DESCARTES\_FETAL\_PANCREAS\_LYMPHOID\_CELLS, DESCARTES\_FETAL\_PANCREAS\_LYMPHOID\_CELLS  
GSE3982\_MAST\_CELL\_VS\_CENT\_MEMORY\_CD4\_TCELL\_DN, GSE3982\_MAST\_CELL\_VS\_CENT\_MEMORY\_CD4\_TCELL\_DN  
GSE360\_CTRL\_VS\_B\_MALAYI\_HIGH\_DOSE\_DC\_DN, GSE360\_CTRL\_VS\_B\_MALAYI\_HIGH\_DOSE\_DC\_DN  
GSE6269\_E\_COLL\_VS\_STAPH\_AUREUS\_INF\_PPMC\_UP, GSE6269\_E\_COLL\_VS\_STAPH\_AUREUS\_INF\_PPMC\_UP  
GSE3982\_MAC\_VS\_NKCELL\_DN, GSE3982\_MAC\_VS\_NKCELL\_DN  
GSE13547\_CTRL\_VS\_ANTI\_IGM\_STIM\_ZFX\_KO\_BCELL\_12H\_DN, GSE13547\_CTRL\_VS\_ANTI\_IGM\_STIM\_ZFX\_KO\_BCELL\_12H\_DN  
MIR542\_3P, MIR542\_3P  
GSE15330\_HSC\_VS\_MEGAKARYOCYTE\_ERYTHROID\_PROGENITOR\_UP, GSE15330\_HSC\_VS\_MEGAKARYOCYTE\_ERYTHROID\_PROGENITOR\_UP  
GSE1927\_UNTREATED\_VS\_GMCSF\_IL6\_TREATED\_BONE\_MARROW\_UP, GSE1927\_UNTREATED\_VS\_GMCSF\_IL6\_TREATED\_BONE\_MARROW\_UP  
GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN2\_THYMCYTE\_FETAL\_DN, GSE24142\_EARLY\_THYMIC\_PROGENITOR\_VS\_DN2\_THYMCYTE\_FETAL\_DN  
DESCARTES\_FETAL\_MUSCLE\_LYMPHOID\_CELLS, DESCARTES\_FETAL\_MUSCLE\_LYMPHOID\_CELLS  
GSE3982\_DC\_VS\_NKCELL\_DN, GSE3982\_DC\_VS\_NKCELL\_DN  
ILU\_IL4\_SIGNALING, ILU\_IL4\_SIGNALING  
MIR31\_5P, MIR31\_5P  
GSE15330\_HSC\_VS\_MEGAKARYOCYTE\_ERYTHROID\_PROGENITOR\_IKAROS\_KO\_DN, GSE15330\_HSC\_VS\_MEGAKARYOCYTE\_ERYTHROID\_PROGENITOR\_IKAROS\_KO\_DN  
DURANTE\_ADULT\_OLFACTORY\_NEUROEPITHELIUM\_CD8\_T\_CELLS, DURANTE\_ADULT\_OLFACTORY\_NEUROEPITHELIUM\_CD8\_T\_CELLS  
GSE28783\_ANTI\_MIR33\_VS\_UNTREATED\_ATHEROSCLEROSIS\_MACROPHAGE\_DN, GSE28783\_ANTI\_MIR33\_VS\_UNTREATED\_ATHEROSCLEROSIS\_MACROPHAGE\_DN  
CAIRO\_LIVER\_DEVELOPMENT\_UP, CAIRO\_LIVER\_DEVELOPMENT\_UP  
MIR449C\_5P, MIR449C\_5P  
MIR34B\_5P, MIR34B\_5P  
DIRMEIER\_LMP1\_RESPONSE\_LATE\_UP, DIRMEIER\_LMP1\_RESPONSE\_LATE\_UP  
MIR4527, MIR4527  
NAKAYA\_PBMC\_FLUAD\_MALE\_AGE\_14\_27YO\_ID\_POSTBOOST\_VS\_0D\_PREIMM\_MF59\_ADJUVANTED\_1DY\_GENES\_IN\_BT\_M40\_AND\_M53\_DN, NAKAYA\_PBMC\_FLUAD\_MALE\_AGE\_14\_27YO\_ID\_POSTBOOST\_VS\_0D\_PREIMM\_MF59\_ADJUVANTED\_1DY\_GENES\_IN\_BT\_M40\_AND\_M53\_DN  
MIR4471, MIR4471  
MIR4490, MIR4490  
MIR6860, MIR6860  
MIR297, MIR297  
MIR4704\_5P, MIR4704\_5P  
ROESSLER\_LIVER\_CANCER\_METASTASIS\_DN, ROESSLER\_LIVER\_CANCER\_METASTASIS\_DN  
MIR612, MIR612  
MIR2682\_5P, MIR2682\_5P  
TRAVAGLINI\_LUNG\_NATURAL\_KILLER\_T\_CELL, TRAVAGLINI\_LUNG\_NATURAL\_KILLER\_T\_CELL  
MIR5000\_5P, MIR5000\_5P  
YU\_MYC\_TARGETS\_DN, YU\_MYC\_TARGETS\_DN  
KEGG\_HOMOLOGOUS\_RECOMBINATION, KEGG\_HOMOLOGOUS\_RECOMBINATION  
GNF2\_PTPN4, GNF2\_PTPN4  
MIR8059, MIR8059  
MMS\_MOUSE\_LYMPH\_HIGH\_4HRS\_UP, MMS\_MOUSE\_LYMPH\_HIGH\_4HRS\_UP  
MODULE\_121, MODULE\_121  
MYAATNNNNNNNGGC\_UNKNOWN, MYAATNNNNNNNGGC\_UNKNOWN  
GSE1740\_UNSTIM\_VS\_IFNA\_STIMULATED\_MCSF\_DERIVED\_MACROPHAGE\_UP, GSE1740\_UNSTIM\_VS\_IFNA\_STIMULATED\_MCSF\_DERIVED\_MACROPHAGE\_UP  
AGTCCTTA\_MIR499, AGTCCTTA\_MIR499  
AIZARANI\_LIVER\_C8\_RESIDENT\_B\_CELLS\_1, AIZARANI\_LIVER\_C8\_RESIDENT\_B\_CELLS\_1  
HP\_ABNORMAL\_THROMBOSIS, HP\_ABNORMAL\_THROMBOSIS  
BOSCO\_TH1\_CYTOTOXIC\_MODULE, BOSCO\_TH1\_CYTOTOXIC\_MODULE  
PAX6\_0I, PAX6\_0I  
HP\_LANGUAGE\_IMPAIRMENT, HP\_LANGUAGE\_IMPAIRMENT  
MIR4539, MIR4539  
MIR4796\_5P, MIR4796\_5P  
MIR3929, MIR3929  
PAX3\_0I, PAX3\_0I  
MIR6864\_5P, MIR6864\_5P  
BIOCARTA\_CASPASE\_PATHWAY, BIOCARTA\_CASPASE\_PATHWAY  
GOBP\_INTERFERON\_GAMMA\_PRODUCTION, GOBP\_INTERFERON\_GAMMA\_PRODUCTION  
VALK\_AML\_WITH\_CEBPA, VALK\_AML\_WITH\_CEBPA  
REACTOME\_RHOH\_GTPASE\_CYCLE, REACTOME\_RHOH\_GTPASE\_CYCLE  
MIR4639\_5P, MIR4639\_5P  
DURANTE\_ADULT\_OLFACTORY\_NEUROEPITHELIUM\_CD4\_T\_CELLS, DURANTE\_ADULT\_OLFACTORY\_NEUROEPITHELIUM\_CD4\_T\_CELLS  
MIR3130\_3P, MIR3130\_3P  
VALK\_AML\_CLUSTER\_15, VALK\_AML\_CLUSTER\_15  
GOBP\_RESPONSE\_TO\_TUMOR\_CELL, GOBP\_RESPONSE\_TO\_TUMOR\_CELL  
GNF2\_RAB7L1, GNF2\_RAB7L1  
SA\_CASPASE\_CASCADE, SA\_CASPASE\_CASCADE  
GOBP\_T\_CELL\_SELECTION, GOBP\_T\_CELL\_SELECTION  
HP\_DYSLEXIA, HP\_DYSLEXIA  
GAVIN\_IL2\_RESPONSE\_FOXP3\_TARGETS\_UP, GAVIN\_IL2\_RESPONSE\_FOXP3\_TARGETS\_UP  
GOBP\_IMMUNE\_RESPONSE\_TO\_TUMOR\_CELL, GOBP\_IMMUNE\_RESPONSE\_TO\_TUMOR\_CELL  
FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_18HR\_TO\_48HR\_EARLY\_DN, FULLER\_PBMC\_F\_TULARENSIS\_VACCINE\_LVS\_AGE\_22\_54YO\_18HR\_TO\_48HR\_EARLY\_DN  
MIR3936, MIR3936  
MIR6753\_3P, MIR6753\_3P  
HP\_HYPERORALITY, HP\_HYPERORALITY  
HERNANDEZ\_ABERRANT\_MITOSIS\_BY\_DOCETACEL\_2NM\_DN, HERNANDEZ\_ABERRANT\_MITOSIS\_BY\_DOCETACEL\_2NM\_DN  
ZHAN\_MULTIPLE\_MYELOMA\_MF\_DN, ZHAN\_MULTIPLE\_MYELOMA\_MF\_DN  
MIR6748\_5P, MIR6748\_5P  
MIR494\_5P, MIR494\_5P  
MIR7107\_3P, MIR7107\_3P  
GOMF\_S100\_PROTEIN\_BINDING, GOMF\_S100\_PROTEIN\_BINDING  
MIR6895\_5P, MIR6895\_5P  
REACTOME\_N\_GLYCAN\_ANTENNAE\_ELONGATION\_IN\_THE\_MEDIAL\_TRANS\_GOLGI, REACTOME\_N\_GLYCAN\_ANTENNAE\_ELONGATION\_IN\_THE\_MEDIAL\_TRANS\_GOLGI  
SHIPP\_DLBC1\_VS\_FOLLICULAR\_LYMPHOMA\_DN, SHIPP\_DLBC1\_VS\_FOLLICULAR\_LYMPHOMA\_DN  
HP\_FRONTOTEMPORAL\_CEREBRAL\_ATROPHY, HP\_FRONTOTEMPORAL\_CEREBRAL\_ATROPHY  
FERRANDO\_TALI\_NEIGHBORS, FERRANDO\_TALI\_NEIGHBORS  
FARMER\_BREAST\_CANCER\_CLUSTER\_1, FARMER\_BREAST\_CANCER\_CLUSTER\_1  
GOBP\_POSITIVE\_T\_CELL\_SELECTION, GOBP\_POSITIVE\_T\_CELL\_SELECTION  
BIOCARTA\_IL17\_PATHWAY, BIOCARTA\_IL17\_PATHWAY  
HP\_INCREASED\_TOTAL\_BILIRUBIN, HP\_INCREASED\_TOTAL\_BILIRUBIN  
AIZARANI\_LIVER\_C38\_RESIDENT\_B\_CELLS\_3, AIZARANI\_LIVER\_C38\_RESIDENT\_B\_CELLS\_3  
HP\_BURKITT\_LYMPHOMA, HP\_BURKITT\_LYMPHOMA  
KAZMIN\_PBMC\_P\_FALCIPARUM\_RTSS\_A501\_AGE\_UNKNOWN\_CORRELATED\_WITH\_PROTECTION\_56DY\_NEGATIVE, KAZMIN\_PBMC\_P\_FALCIPARUM\_RTSS\_A501\_AGE\_UNKNOWN\_CORRELATED\_WITH\_PROTECTION\_56DY\_NEGATIVE  
HP\_ABNORMALITY\_OF\_THE\_AXILLARY\_HAIR, HP\_ABNORMALITY\_OF\_THE\_AXILLARY\_HAIR  
GOMF\_RNA\_STEM\_LOOP\_BINDING, GOMF\_RNA\_STEM\_LOOP\_BINDING  
GOBP\_MYELOID\_DENDRITIC\_CELL\_ACTIVATION, GOBP\_MYELOID\_DENDRITIC\_CELL\_ACTIVATION  
MODULE\_455, MODULE\_455  
KEGG\_ALLOGRAFT\_REJECTION, KEGG\_ALLOGRAFT\_REJECTION  
GOBP\_RESPONSE\_TO\_COBALT\_ION, GOBP\_RESPONSE\_TO\_COBALT\_ION  
IKEDA\_MIR30\_TARGETS\_DN, IKEDA\_MIR30\_TARGETS\_DN  
REACTOME\_GENERATION\_OF\_SECOND\_MESSENGER\_MOLECULES, REACTOME\_GENERATION\_OF\_SECOND\_MESSENGER\_MOLECULES  
KEGG\_TYPE\_1\_DIABETES\_MELLITUS, KEGG\_TYPE\_1\_DIABETES\_MELLITUS  
MAINA\_VHL\_TARGETS\_DN, MAINA\_VHL\_TARGETS\_DN  
HP\_GENERALIZED\_EDEMA, HP\_GENERALIZED\_EDEMA  
GOMF\_IRON\_ION\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY, GOMF\_IRON\_ION\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY  
SCHAEFFER\_S09\_TARGETS\_IN\_PROSTATE\_DEVELOPMENT\_UP, SCHAEFFER\_S09\_TARGETS\_IN\_PROSTATE\_DEVELOPMENT\_UP  
HP\_ABNORMAL\_PAROTID\_GLAND\_MORPHOLOGY, HP\_ABNORMAL\_PAROTID\_GLAND\_MORPHOLOGY  
GOBP\_TYPE\_2\_IMMUNE\_RESPONSE, GOBP\_TYPE\_2\_IMMUNE\_RESPONSE  
GOMF\_S\_METHYLTRANSFERASE\_ACTIVITY, GOMF\_S\_METHYLTRANSFERASE\_ACTIVITY  
GOBP\_REGULATION\_OF\_EXTRACELLULAR\_MATRIX\_CONSTITUENT\_SECRETION, GOBP\_REGULATION\_OF\_EXTRACELLULAR\_MATRIX\_CONSTITUENT\_SECRETION  
REACTOME\_RUNX3\_REGULATES\_YAP1\_MEDIATED\_TRANSCRIPTION, REACTOME\_RUNX3\_REGULATES\_YAP1\_MEDIATED\_TRANSCRIPTION  
BIOCARTA\_DC\_PATHWAY, BIOCARTA\_DC\_PATHWAY  
GAUSSMANN\_MLL\_A4\_FUSION\_TARGETS\_B\_UP, GAUSSMANN\_MLL\_A4\_FUSION\_TARGETS\_B\_UP  
WP\_PHYTOCHEMICAL\_ACTIVITY\_ON\_NRF2\_TRANSCRIPTIONAL\_ACTIVATION, WP\_PHYTOCHEMICAL\_ACTIVITY\_ON\_NRF2\_TRANSCRIPTIONAL\_ACTIVATION  
GOBP\_BMP\_SIGNALING\_PATHWAY\_INVOLVED\_IN\_HEART\_DEVELOPMENT, GOBP\_BMP\_SIGNALING\_PATHWAY\_INVOLVED\_IN\_HEART\_DEVELOPMENT  
WEINBERGER\_BLOOD\_TWINRIX\_AGE\_20\_40\_AND\_60\_84YO\_CORRELATED\_WITH\_ANTI\_HBS\_CONC\_PRIMARY\_VACC\_IDY\_SIGNIFICANT, WEINBERGER\_BLOOD\_TWINRIX\_AGE\_20\_40\_AND\_60\_84YO\_CORRELATED\_WITH\_ANTI\_HBS\_CONC\_PRIMARY\_VACC\_IDY\_SIGNIFICANT  
VISALA\_AGING\_LYMPHOCYTE\_DN, VISALA\_AGING\_LYMPHOCYTE\_DN  
GOBP\_POSITIVE\_REGULATION\_OF\_HORMONE\_SECRETION, GOBP\_POSITIVE\_REGULATION\_OF\_HORMONE\_SECRETION  
BIOCARTA\_CTL\_PATHWAY, BIOCARTA\_CTL\_PATHWAY  
IL1\_C5P1ATIN\_RESISTANCE\_UP, IL1\_C5P1ATIN\_RESISTANCE\_UP  
GOBP\_REGULATION\_OF\_CARDIAC\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION, GOBP\_REGULATION\_OF\_CARDIAC\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1TL1\_FUSION\_SUSTAINED\_IN GRANULOCYTE\_DN, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1TL1\_FUSION\_SUSTAINED\_IN GRANULOCYTE\_DN  
GOMF\_SOLUTE\_BICARBONATE\_SYMPORTER\_ACTIVITY, GOMF\_SOLUTE\_BICARBONATE\_SYMPORTER\_ACTIVITY  
FINAK\_BREAST\_CANCER\_SDPN\_SIGNATURE, FINAK\_BREAST\_CANCER\_SDPN\_SIGNATURE  
GOBP\_ANDROGEN\_METABOLIC\_PROCESS, GOBP\_ANDROGEN\_METABOLIC\_PROCESS  
BIOCARTA\_NO2IL12\_PATHWAY, BIOCARTA\_NO2IL12\_PATHWAY  
GOBP\_POSITIVE\_REGULATION\_OF\_PEPTIDE\_HORMONE\_SECRETION, GOBP\_POSITIVE\_REGULATION\_OF\_PEPTIDE\_HORMONE\_SECRETION  
GOBP\_INACTIVATION\_OF\_MAPK\_ACTIVITY, GOBP\_INACTIVATION\_OF\_MAPK\_ACTIVITY  
HP\_HYPERINSULINEMIC\_HYPOGLYCEMIA, HP\_HYPERINSULINEMIC\_HYPOGLYCEMIA  
HP\_CANCER\_IMMUNOTHERAPY\_BY\_PD1\_BLOCKADE, HP\_CANCER\_IMMUNOTHERAPY\_BY\_PD1\_BLOCKADE  
PARK\_OSTEOBLAST\_DIFFERENTIATION\_BY\_PHENYLAMIL\_UP, PARK\_OSTEOBLAST\_DIFFERENTIATION\_BY\_PHENYLAMIL\_UP  
GOBP\_CELLULAR\_RESPONSE\_TO\_FRUCTOSE\_STIMULUS, GOBP\_CELLULAR\_RESPONSE\_TO\_FRUCTOSE\_STIMULUS  
MIR5992, MIR5992  
HP\_ACANTHOLYSIS, HP\_ACANTHOLYSIS  
KEGG\_GRAFT\_VERSUS\_HOST\_DISEASE, KEGG\_GRAFT\_VERSUS\_HOST\_DISEASE  
SU\_THYMUS, SU\_THYMUS  
GOBP\_REGULATION\_OF\_PHOSPHOLIPID\_TRANSLOCATION, GOBP\_REGULATION\_OF\_PHOSPHOLIPID\_TRANSLOCATION  
GOBP\_ESTROGEN\_METABOLIC\_PROCESS, GOBP\_ESTROGEN\_METABOLIC\_PROCESS  
HP\_INTERMITTENT\_JAUNDICE, HP\_INTERMITTENT\_JAUNDICE  
HP\_PERIANAL\_ABSCESS, HP\_PERIANAL\_ABSCESS  
GOBP\_REGULATION\_OF\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION\_INVOLVED\_IN\_ENDOCARDIAL\_CUSHION\_FORMATION, GOBP\_REGULATION\_OF\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION\_INVOLVED\_IN\_ENDOCARDIAL\_CUSHION\_FORMATION  
ERWIN\_COHEN\_PBMC\_TC\_83\_AGE\_18\_45YO\_NON\_RESPONDERS\_PREVIOUSLY\_IMMUNIZED\_24HR\_DEG\_CANONICAL\_PATHWAY\_MEMBERS\_UP, ERWIN\_COHEN\_PBMC\_TC\_83\_AGE\_18\_45YO\_NON\_RESPONDERS\_PREVIOUSLY\_IMMUNIZED\_24HR\_DEG\_CANONICAL\_PATHWAY\_MEMBERS\_UP  
TRAVAGLINI\_LUNG\_CAPILLARY\_CELL, TRAVAGLINI\_LUNG\_CAPILLARY\_CELL  
HP\_APLASIA\_HYPOPLASIA\_OF\_THE\_PALMAR\_CREASES, HP\_APLASIA\_HYPOPLASIA\_OF\_THE\_PALMAR\_CREASES  
GOBP\_T\_TUBULE\_ORGANIZATION, GOBP\_T\_TUBULE\_ORGANIZATION  
GOBP\_CELL\_MOTILITY\_INVOLVED\_IN\_CEREBRAL\_CORTEX\_RADIAL\_GLIA\_GUIDED\_MIGRATION, GOBP\_CELL\_MOTILITY\_INVOLVED\_IN\_CEREBRAL\_CORTEX\_RADIAL\_GLIA\_GUIDED\_MIGRATION  
GOBP\_PLUS\_END\_DIRECTED\_ORGANELLE\_TRANSPORT\_ALONG\_MICROTUBULE, GOBP\_PLUS\_END\_DIRECTED\_ORGANELLE\_TRANSPORT\_ALONG\_MICROTUBULE  
GOMF\_GLUTAMATE\_BINDING, GOMF\_GLUTAMATE\_BINDING  
KEGG\_AUTOIMMUNE\_THYROID\_DISEASE, KEGG\_AUTOIMMUNE\_THYROID\_DISEASE  
HAHTOLA\_MYCOSIS\_FUNGOIDES\_UP, HAHTOLA\_MYCOSIS\_FUNGOIDES\_UP  
HERNANDEZ\_MITOTIC\_ARREST\_BY\_DOCETAXEL\_1\_UP, HERNANDEZ\_MITOTIC\_ARREST\_BY\_DOCETAXEL\_1\_UP  
HP\_SEPTO\_OPTIC\_DYSPLASIA, HP\_SEPTO\_OPTIC\_DYSPLASIA  
GOBP\_REGULATION\_OF\_MYELOID\_DENDRITIC\_CELL\_ACTIVATION, GOBP\_REGULATION\_OF\_MYELOID\_DENDRITIC\_CELL\_ACTIVATION  
GOBP\_POSITIVE\_REGULATION\_OF\_PHOSPHOLIPID\_TRANSLOCATION, GOBP\_POSITIVE\_REGULATION\_OF\_PHOSPHOLIPID\_TRANSLOCATION  
GOBP\_NEGATIVE\_REGULATION\_OF\_FIBROBLAST\_GROWTH\_FACTOR\_PRODUCTION, GOBP\_NEGATIVE\_REGULATION\_OF\_FIBROBLAST\_GROWTH\_FACTOR\_PRODUCTION  
GOMF\_TRANSFORMING\_GROWTH\_FACTOR\_BETA\_RECEPTOR\_ACTIVITY\_TYPE\_1, GOMF\_TRANSFORMING\_GROWTH\_FACTOR\_BETA\_RECEPTOR\_ACTIVITY\_TYPE\_1  
HP\_DECREASED\_PALMAR\_CREASES, HP\_DECREASED\_PALMAR\_CREASES  
GOBP\_SEPTUM\_PRIMUM\_DEVELOPMENT, GOBP\_SEPTUM\_PRIMUM\_DEVELOPMENT  
GOBP\_CELL\_ADHESION\_INVOLVED\_IN\_HEART\_MORPHOGENESIS, GOBP\_CELL\_ADHESION\_INVOLVED\_IN\_HEART\_MORPHOGENESIS  
GOBP\_CADMIUM\_ION\_TRANSMEMBRANE\_TRANSPORT, GOBP\_CADMIUM\_ION\_TRANSMEMBRANE\_TRANSPORT  
GOBP\_REGULATION\_OF\_PANCREATIC\_JUICE\_SECRETION, GOBP\_REGULATION\_OF\_PANCREATIC\_JUICE\_SECRETION  
GOBP\_NEGATIVE\_REGULATION\_OF\_TUBULIN\_DEACETYLATION, GOBP\_NEGATIVE\_REGULATION\_OF\_TUBULIN\_DEACETYLATION  
GOBP\_POSITIVE\_REGULATION\_OF\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION\_INVOLVED\_IN\_ENDOCARDIAL\_CUSHION\_FORMATION, GOBP\_POSITIVE\_REGULATION\_OF\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION\_INVOLVED\_IN\_ENDOCARDIAL\_CUSHION\_FORMATION  
GOMF\_PHOSPHATIDYLSERINE\_FLIPPASE\_ACTIVITY, GOMF\_PHOSPHATIDYLSERINE\_FLIPPASE\_ACTIVITY  
GOMF\_PROFILIN\_BINDING, GOMF\_PROFILIN\_BINDING  
GOBP\_LEUKOCYTE\_ADHESION\_TO\_ARTERIAL\_ENDOTHELIAL\_CELL, GOBP\_LEUKOCYTE\_ADHESION\_TO\_ARTERIAL\_ENDOTHELIAL\_CELL  
KIM\_GLI82\_TARGETS\_DN, KIM\_GLI82\_TARGETS\_DN  
GOBP\_NEGATIVE\_REGULATION\_OF KERATINOCYTE DIFFERENTIATION, GOBP\_NEGATIVE\_REGULATION\_OF KERATINOCYTE DIFFERENTIATION  
GOBP\_INTESTINAL\_HEXOSE\_ABSORPTION, GOBP\_INTESTINAL\_HEXOSE\_ABSORPTION  
GOMF\_MECHANOSENSITIVE\_ION\_CHANNEL\_ACTIVITY, GOMF\_MECHANOSENSITIVE\_ION\_CHANNEL\_ACTIVITY  
GOBP\_NEGATIVE\_REGULATION\_OF MYOTUBE DIFFERENTIATION, GOBP\_NEGATIVE\_REGULATION\_OF MYOTUBE DIFFERENTIATION  
GOBP\_NEGATIVE\_REGULATION\_OF\_T\_CELL\_MEDIATED\_CYTOTOXICITY, GOBP\_NEGATIVE\_REGULATION\_OF\_T\_CELL\_MEDIATED\_CYTOTOXICITY  
HP\_REPETITIVE\_COMPULSIVE\_BEHAVIOR, HP\_REPETITIVE\_COMPULSIVE\_BEHAVIOR  
GOBP\_AMINOPHOSPHOLIPID\_TRANSLOCATION, GOBP\_AMINOPHOSPHOLIPID\_TRANSLOCATION  
GOMF\_AMINOPHOSPHOLIPID\_FLIPPASE\_ACTIVITY, GOMF\_AMINOPHOSPHOLIPID\_FLIPPASE\_ACTIVITY  
GOBP\_REGULATION\_OF\_EPITHELIAL\_CELL\_PROLIFERATION\_INVOLVED\_IN\_LUNG\_MORPHOGENESIS, GOBP\_REGULATION\_OF\_EPITHELIAL\_CELL\_PROLIFERATION\_INVOLVED\_IN\_LUNG\_MORPHOGENESIS  
HP\_PYODERMA, HP\_PYODERMA  
GOBP\_DEFENSE\_RESPONSE\_TO\_TUMOR\_CELL, GOBP\_DEFENSE\_RESPONSE\_TO\_TUMOR\_CELL  
GOBP\_POSITIVE\_REGULATION\_OF\_VASCULAR\_WOUND\_HEALING, GOBP\_POSITIVE\_REGULATION\_OF\_VASCULAR\_WOUND\_HEALING  
GOBP\_MITOCHONDRIAL\_PROTEIN\_CATABOLIC\_PROCESS, GOBP\_MITOCHONDRIAL\_PROTEIN\_CATABOLIC\_PROCESS  
GOBP\_POSITIVE\_REGULATION\_OF\_EPITHELIAL\_CELL\_PROLIFERATION\_INVOLVED\_IN\_LUNG\_MORPHOGENESIS, GOBP\_POSITIVE\_REGULATION\_OF\_EPITHELIAL\_CELL\_PROLIFERATION\_INVOLVED\_IN\_LUNG\_MORPHOGENESIS  
BLANCO\_MELO\_SARS\_COV\_1\_INFECTION\_MCRS\_CELLS\_DN, BLANCO\_MELO\_SARS\_COV\_1\_INFECTION\_MCRS\_CELLS\_DN  
GOBP\_PLASMA\_CELL\_DIFFERENTIATION, GOBP\_PLASMA\_CELL\_DIFFERENTIATION  
GOMF\_BICARBONATE\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY, GOMF\_BICARBONATE\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY