

S\_TYPE\_2\_DIABETES\_PBMC\_AT\_DX\_UP, GSE9006\_TYPE\_1\_VS\_TYPE\_2\_DIABETES\_PBMC\_AT\_DX\_UP

GSE42021\_CD24HL\_TREG\_VS\_CD24HL\_TCONV\_THYMUS\_UP, GSE42021\_CD24HL\_TREG\_VS\_CD24HL\_TCONV\_THYMUS\_UP  
GSE9601\_UNTREATED\_VS\_PI3K\_INHIBITOR\_TREATED\_HCMV\_INF\_MONOCYTE\_UP, GSE9601\_UNTREATED\_VS\_PI3K\_INHIBITOR\_TREATED\_HCMV\_INF\_MONOCYTE\_UP  
GSE9006\_TYPE\_1\_DIABETES\_AT\_DX\_VS\_1MONTH\_POST\_DX\_PBMC\_UP, GSE9006\_TYPE\_1\_DIABETES\_AT\_DX\_VS\_1MONTH\_POST\_DX\_PBMC\_UP  
GSE16450\_CTRL\_VS\_IFNA\_6H\_STIM\_MATURE\_NEURON\_CELL\_LINE\_DN, GSE16450\_CTRL\_VS\_IFNA\_6H\_STIM\_MATURE\_NEURON\_CELL\_LINE\_DN  
GSE16522\_ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_NAIVE\_CD8\_TCELL\_DN, GSE16522\_ANTI\_CD3CD28\_STIM\_VS\_UNSTIM\_NAIVE\_CD8\_TCELL\_DN  
GSE9006\_TYPE\_1\_DIABETES\_AT\_DX\_VS\_4MONTH\_POST\_DX\_PBMC\_UP, GSE9006\_TYPE\_1\_DIABETES\_AT\_DX\_VS\_4MONTH\_POST\_DX\_PBMC\_UP  
FAN\_EMBRYONIC\_CTX\_BIG\_GROUPS\_BRAIN\_IMMUNE, FAN\_EMBRYONIC\_CTX\_BIG\_GROUPS\_BRAIN\_IMMUNE  
HAHTOLA\_MYCOSIS\_FUNGOIDES\_SKIN\_UP, HAHTOLA\_MYCOSIS\_FUNGOIDES\_SKIN\_UP  
GSE6269\_HEALTHY\_VS\_E\_COLI\_INF\_PBMC\_UP, GSE6269\_HEALTHY\_VS\_E\_COLI\_INF\_PBMC\_UP  
GSE3982\_MAC\_VS\_TH1\_DN, GSE3982\_MAC\_VS\_TH1\_DN  
GSE15624\_CTRL\_VS\_3H\_HALOFUGINONE\_TREATED\_CD4\_TCELL\_DN, GSE15624\_CTRL\_VS\_3H\_HALOFUGINONE\_TREATED\_CD4\_TCELL\_DN  
GOBP\_DNA\_TEMPLATED\_TRANSCRIPTION\_ELONGATION, GOBP\_DNA\_TEMPLATED\_TRANSCRIPTION\_ELONGATION  
GSE8921\_UNSTIM\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_DN, GSE8921\_UNSTIM\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_DN  
BROWNE\_HCMV\_INFECTION\_14HR\_UP, BROWNE\_HCMV\_INFECTION\_14HR\_UP  
GSE21927\_SPLEEN\_VS\_TUMOR\_MONOCYTE\_BALBC\_DN, GSE21927\_SPLEEN\_VS\_TUMOR\_MONOCYTE\_BALBC\_DN  
FAN\_EMBRYONIC\_CTX\_BRAIN\_NAIVE\_LIKE\_T\_CELL, FAN\_EMBRYONIC\_CTX\_BRAIN\_NAIVE\_LIKE\_T\_CELL  
GSE45739\_UNSTIM\_VS\_ACD3\_ACD28\_STIM\_WT\_CD4\_TCELL\_DN, GSE45739\_UNSTIM\_VS\_ACD3\_ACD28\_STIM\_WT\_CD4\_TCELL\_DN  
GSE43863\_NAIVE\_VS\_LY6C\_LOW\_CXCR5NEG\_CD4\_EFF\_TCELL\_D6\_LCMV\_DN, GSE43863\_NAIVE\_VS\_LY6C\_LOW\_CXCR5NEG\_CD4\_EFF\_TCELL\_D6\_LCMV\_DN  
GSE20500\_CTRL\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_UP, GSE20500\_CTRL\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_UP  
AIZARANI\_LIVER\_C34\_MHC\_II\_POS\_B\_CELLS, AIZARANI\_LIVER\_C34\_MHC\_II\_POS\_B\_CELLS  
GSE17721\_CTRL\_VS\_LPS\_0.5H\_BMDC\_DN, GSE17721\_CTRL\_VS\_LPS\_0.5H\_BMDC\_DN  
TRAVAGLINI\_LUNG\_CD8\_NAIVE\_T\_CELL, TRAVAGLINI\_LUNG\_CD8\_NAIVE\_T\_CELL  
GSE23114\_PERITONEAL\_CAVITY\_B1A\_BCELL\_VS\_SPLEEN\_BCELL\_IN\_SLE2C1\_MOUSE\_UP, GSE23114\_PERITONEAL\_CAVITY\_B1A\_BCELL\_VS\_SPLEEN\_BCELL\_IN\_SLE2C1\_MOUSE\_UP  
MODULE\_356, MODULE\_356  
GOCC\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_REGULATOR\_COMPLEX, GOCC\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_REGULATOR\_COMPLEX  
MODULE\_195, MODULE\_195  
REACTOME\_FORMATION\_OF\_TC\_NER\_PRE\_INCISION\_COMPLEX, REACTOME\_FORMATION\_OF\_TC\_NER\_PRE\_INCISION\_COMPLEX  
GOMF\_CHAPERONE\_BINDING, GOMF\_CHAPERONE\_BINDING  
FAN\_EMBRYONIC\_CTX\_BRAIN\_B\_CELL, FAN\_EMBRYONIC\_CTX\_BRAIN\_B\_CELL  
GSE24634\_NAIVE\_CD4\_TCELL\_VS\_DAY10\_IL4\_CONV\_TREG\_UP, GSE24634\_NAIVE\_CD4\_TCELL\_VS\_DAY10\_IL4\_CONV\_TREG\_UP  
HP\_HORSESHOE\_KIDNEY, HP\_HORSESHOE\_KIDNEY  
MODULE\_147, MODULE\_147  
REACTOME\_POTENTIAL\_THERAPEUTICS\_FOR\_SARS, REACTOME\_POTENTIAL\_THERAPEUTICS\_FOR\_SARS  
NIKOLSKY\_BREAST\_CANCER\_11Q12\_Q14\_AMPLICON, NIKOLSKY\_BREAST\_CANCER\_11Q12\_Q14\_AMPLICON  
AGCTCCT\_MIR28, AGCTCCT\_MIR28  
GSE15659\_NAIVE\_CD4\_TCELL\_VS\_NONSUPPRESSIVE\_TCELL\_UP, GSE15659\_NAIVE\_CD4\_TCELL\_VS\_NONSUPPRESSIVE\_TCELL\_UP  
CRGAARNNNNCGA\_UNKNOWN, CRGAARNNNNCGA\_UNKNOWN  
MODULE\_430, MODULE\_430  
WP\_G13\_SIGNALING\_PATHWAY, WP\_G13\_SIGNALING\_PATHWAY  
ZNF16\_TARGET\_GENES, ZNF16\_TARGET\_GENES  
GSE7548\_NAIVE\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_DN, GSE7548\_NAIVE\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_DN  
HP\_OVERLAPPING\_TOE, HP\_OVERLAPPING\_TOE  
RAPA\_EARLY\_UP.V1\_DN, RAPA\_EARLY\_UP.V1\_DN  
HU\_GENOTOXIC\_DAMAGE\_24HR, HU\_GENOTOXIC\_DAMAGE\_24HR  
LOPEZ\_TRANSLATION\_VIA\_FN1\_SIGNALING, LOPEZ\_TRANSLATION\_VIA\_FN1\_SIGNALING  
DESCARTES\_FETAL\_LUNG\_LYMPHOID\_CELLS, DESCARTES\_FETAL\_LUNG\_LYMPHOID\_CELLS  
MODULE\_204, MODULE\_204  
WP\_ENVELOPE\_PROTEINS\_AND\_THEIR\_POTENTIAL\_ROLES\_IN\_EDMD\_PHYSIOPATHOLOGY, WP\_ENVELOPE\_PROTEINS\_AND\_THEIR\_POTENTIAL\_ROLES\_IN\_EDMD\_PHYSIOPATHOLOGY  
FERRANDO\_T\_ALL\_WITH\_MLL\_ENL\_FUSION\_UP, FERRANDO\_T\_ALL\_WITH\_MLL\_ENL\_FUSION\_UP  
GOBP\_POSITIVE\_REGULATION\_OF\_VIRAL\_TRANSCRIPTION, GOBP\_POSITIVE\_REGULATION\_OF\_VIRAL\_TRANSCRIPTION  
MODULE\_524, MODULE\_524  
DESCARTES\_MAIN\_FETAL\_LYMPHOID\_CELLS, DESCARTES\_MAIN\_FETAL\_LYMPHOID\_CELLS  
HP\_MUSCLE\_FIBER\_ATROPHY, HP\_MUSCLE\_FIBER\_ATROPHY  
MODULE\_419, MODULE\_419  
OUYANG\_PROSTATE\_CANCER\_PROGRESSION\_UP, OUYANG\_PROSTATE\_CANCER\_PROGRESSION\_UP  
GNF2\_CD7, GNF2\_CD7  
GOMF\_STEROID\_BINDING, GOMF\_STEROID\_BINDING  
TRAVAGLINI\_LUNG\_CD4\_MEMORY\_EFFECTOR\_T\_CELL, TRAVAGLINI\_LUNG\_CD4\_MEMORY\_EFFECTOR\_T\_CELL  
HP\_VELOPHARYNGEAL\_INSUFFICIENCY, HP\_VELOPHARYNGEAL\_INSUFFICIENCY  
PID\_RAS\_PATHWAY, PID\_RAS\_PATHWAY  
GOBP\_REGULATION\_OF\_ANOIKIS, GOBP\_REGULATION\_OF\_ANOIKIS  
PAX5\_02, PAX5\_02  
HP\_PALPEBRAL\_EDEMA, HP\_PALPEBRAL\_EDEMA  
GOBP\_REGULATION\_OF\_PROTEIN\_DEACETYLATION, GOBP\_REGULATION\_OF\_PROTEIN\_DEACETYLATION  
HP\_HYPOPLASTIC\_HEART, HP\_HYPOPLASTIC\_HEART  
GNF2\_MATK, GNF2\_MATK  
MIR4446\_3P, MIR4446\_3P  
REACTOME\_ION\_TRANSPORT\_BY\_P\_TYPE\_ATPASES, REACTOME\_ION\_TRANSPORT\_BY\_P\_TYPE\_ATPASES  
GOBP\_POSITIVE\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_MEDIATED\_SIGNALING\_PATHWAY, GOBP\_POSITIVE\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_MEDIATED\_SIGNALING\_PATHWAY  
GSE28737\_WT\_VS\_BCL6\_KO\_MARGINAL\_ZONE\_BCELL\_UP, GSE28737\_WT\_VS\_BCL6\_KO\_MARGINAL\_ZONE\_BCELL\_UP  
GOBP\_MRNA\_TRANSCRIPTION, GOBP\_MRNA\_TRANSCRIPTION  
GOBP\_MITOTIC\_CELL\_CYCLE\_ARREST, GOBP\_MITOTIC\_CELL\_CYCLE\_ARREST  
LEIN\_OLIGODENDROCYTE\_MARKERS, LEIN\_OLIGODENDROCYTE\_MARKERS  
GOMF\_STEROL\_TRANSFER\_ACTIVITY, GOMF\_STEROL\_TRANSFER\_ACTIVITY  
KYNG\_ENVIRONMENTAL\_STRESS\_RESPONSE\_NOT\_BY\_UV\_IN\_OLD, KYNG\_ENVIRONMENTAL\_STRESS\_RESPONSE\_NOT\_BY\_UV\_IN\_OLD  
DER\_IFN\_BETA\_RESPONSE\_DN, DER\_IFN\_BETA\_RESPONSE\_DN  
REACTOME\_CONSTITUTIVE\_SIGNALING\_BY\_OVEREXPRESSED\_ERBB2, REACTOME\_CONSTITUTIVE\_SIGNALING\_BY\_OVEREXPRESSED\_ERBB2  
REACTOME\_SIGNALING\_BY\_MST1, REACTOME\_SIGNALING\_BY\_MST1  
SPIELMAN\_LYMPHOBLAST\_EUROPEAN\_VS\_ASIAN\_2FC\_UP, SPIELMAN\_LYMPHOBLAST\_EUROPEAN\_VS\_ASIAN\_2FC\_UP  
BIOCARTA\_RHO\_PATHWAY, BIOCARTA\_RHO\_PATHWAY  
GOMF\_C2H2\_ZINC\_FINGER\_DOMAIN\_BINDING, GOMF\_C2H2\_ZINC\_FINGER\_DOMAIN\_BINDING  
GOBP\_REGULATION\_OF\_RECEPTOR\_CLUSTERING, GOBP\_REGULATION\_OF\_RECEPTOR\_CLUSTERING  
SOBOLEV\_T\_CELL\_PANDEMRIX\_AGE\_18\_64YO\_1DY\_UP, SOBOLEV\_T\_CELL\_PANDEMRIX\_AGE\_18\_64YO\_1DY\_UP  
HP\_HIP\_OSTEOARTHRITIS, HP\_HIP\_OSTEOARTHRITIS  
GOBP\_RELAXATION\_OF\_MUSCLE, GOBP\_RELAXATION\_OF\_MUSCLE  
GOBP\_IMMUNOLOGICAL\_MEMORY\_PROCESS, GOBP\_IMMUNOLOGICAL\_MEMORY\_PROCESS  
KYNG\_ENVIRONMENTAL\_STRESS\_RESPONSE\_NOT\_BY\_4NQO\_IN\_OLD, KYNG\_ENVIRONMENTAL\_STRESS\_RESPONSE\_NOT\_BY\_4NQO\_IN\_OLD  
BIOCARTA\_IL3\_PATHWAY, BIOCARTA\_IL3\_PATHWAY  
DURANTE\_ADULT\_OLFACTORY\_NEUROEPITHELIUM\_CD4\_T\_CELLS, DURANTE\_ADULT\_OLFACTORY\_NEUROEPITHELIUM\_CD4\_T\_CELLS  
SCHERER\_PBMC\_YF\_VAX\_AGE\_18\_40YO\_ANYD\_UP, SCHERER\_PBMC\_YF\_VAX\_AGE\_18\_40YO\_ANYD\_UP  
GOBP\_RELAXATION\_OF\_CARDIAC\_MUSCLE, GOBP\_RELAXATION\_OF\_CARDIAC\_MUSCLE  
REACTOME\_ALTERNATIVE\_COMPLEMENT\_ACTIVATION, REACTOME\_ALTERNATIVE\_COMPLEMENT\_ACTIVATION  
SOBOLEV\_T\_CELL\_PANDEMRIX\_AGE\_18\_64YO\_7DY\_DN, SOBOLEV\_T\_CELL\_PANDEMRIX\_AGE\_18\_64YO\_7DY\_DN  
HP\_BLEPHAROCHALASIS, HP\_BLEPHAROCHALASIS  
GOBP\_POSITIVE\_REGULATION\_OF\_RECEPTOR\_CLUSTERING, GOBP\_POSITIVE\_REGULATION\_OF\_RECEPTOR\_CLUSTERING  
REACTOME\_PD\_1\_SIGNALING, REACTOME\_PD\_1\_SIGNALING  
GOMF\_MHC\_CLASS\_II\_PROTEIN\_BINDING, GOMF\_MHC\_CLASS\_II\_PROTEIN\_BINDING  
BIOCARTA\_RHODOPSIN\_PATHWAY, BIOCARTA\_RHODOPSIN\_PATHWAY  
REACTOME\_IRF3\_MEDIATED\_ACTIVATION\_OF\_TYPE\_1\_IFN, REACTOME\_IRF3\_MEDIATED\_ACTIVATION\_OF\_TYPE\_1\_IFN  
HP\_ANGULAR\_CHEILITIS, HP\_ANGULAR\_CHEILITIS  
GOBP\_NEGATIVE\_REGULATION\_OF\_PEPTIDE\_HORMONE\_SECRETION, GOBP\_NEGATIVE\_REGULATION\_OF\_PEPTIDE\_HORMONE\_SECRETION