

GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBCM\_1MONTH\_POST\_DX\_UP, GSE9006\_HEALTHY\_VS\_TYPE\_1\_DIABETES\_PBCM\_1MONTH\_POST\_DX\_UP

GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_PDC\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_PDC\_DN

GSE29618\_PRE\_VS\_DAY7\_POST\_TIV\_FLU\_VACCINE\_PDC\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_TIV\_FLU\_VACCINE\_PDC\_DN

GSE13411\_PLASMA\_CELL\_VS\_MEMORY\_BCELL\_DN, GSE13411\_PLASMA\_CELL\_VS\_MEMORY\_BCELL\_DN

GSE29618\_PRE\_VS\_DAY7\_POST\_TIV\_FLU\_VACCINE\_BCELL\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_TIV\_FLU\_VACCINE\_BCELL\_DN

GO\_PROTEIN\_IMPORT, GO\_PROTEIN\_IMPORT

GSE32901\_NAIVE\_VS\_TH17\_ENRICHED\_CD4\_TCELL\_DN, GSE32901\_NAIVE\_VS\_TH17\_ENRICHED\_CD4\_TCELL\_DN

GSE3982\_EOSINOPHIL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_UP, GSE3982\_EOSINOPHIL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_UP

GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_4H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_4H\_BMDC\_DN

GO\_PROTEIN\_TRANSPORTER\_ACTIVITY, GO\_PROTEIN\_TRANSPORTER\_ACTIVITY

GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_MDC\_DN, GSE29618\_PRE\_VS\_DAY7\_POST\_LAIV\_FLU\_VACCINE\_MDC\_DN

GSE17721\_POLYIC\_VS\_PAM3CSK4\_4H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_PAM3CSK4\_4H\_BMDC\_DN

GSE7509\_DC\_VS\_MONOCYTE\_WITH\_FCGRIIB\_STIM\_DN, GSE7509\_DC\_VS\_MONOCYTE\_WITH\_FCGRIIB\_STIM\_DN

GSE6259\_33D1\_POS\_VS\_DEC205\_POS\_SPLENIC\_DC\_UP, GSE6259\_33D1\_POS\_VS\_DEC205\_POS\_SPLENIC\_DC\_UP

GSE29618\_BCELL\_VS\_MONOCYTE\_DAY7\_FLU\_VACCINE\_UP, GSE29618\_BCELL\_VS\_MONOCYTE\_DAY7\_FLU\_VACCINE\_UP

GSE43955\_TGFB\_IL6\_VS\_TGFB\_IL6\_IL23\_TH17\_ACT\_CD4\_TCELL\_52H\_DN, GSE43955\_TGFB\_IL6\_VS\_TGFB\_IL6\_IL23\_TH17\_ACT\_CD4\_TCELL\_52H\_DN

GSE8621\_UNSTIM\_VS\_LPS\_PRIMED\_AND\_LPS\_STIM\_MACROPHAGE\_DN, GSE8621\_UNSTIM\_VS\_LPS\_PRIMED\_AND\_LPS\_STIM\_MACROPHAGE\_DN

GSE25677\_R848\_VS\_MPL\_AND\_R848\_STIM\_BCELL\_DN, GSE25677\_R848\_VS\_MPL\_AND\_R848\_STIM\_BCELL\_DN

GSE40068\_CXCR5NEG\_BCL6NEG\_CD4\_TCELL\_VS\_CXCR5POS\_BCL6NEG\_TFH\_DN, GSE40068\_CXCR5NEG\_BCL6NEG\_TFH\_DN

GSE29618\_PDC\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP, GSE29618\_PDC\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP

GSE17721\_0.5H\_VS\_4H\_PAM3CSK4\_BMDC\_DN, GSE17721\_0.5H\_VS\_4H\_PAM3CSK4\_BMDC\_DN

PECE\_MAMMARY\_STEM\_CELL\_DN, PECE\_MAMMARY\_STEM\_CELL\_DN

GINESTIER\_BREAST\_CANCER\_ZNF217\_AMPLIFIED\_UP, GINESTIER\_BREAST\_CANCER\_ZNF217\_AMPLIFIED\_UP

GSE29618\_MONOCYTE\_VS\_PDC\_DAY7\_FLU\_VACCINE\_DN, GSE29618\_MONOCYTE\_VS\_PDC\_DAY7\_FLU\_VACCINE\_DN

ATGAAGG\_MIR205, ATGAAGG\_MIR205

GSE8621\_LPS\_STIM\_VS\_LPS\_PRIMED\_AND\_LPS\_STIM\_MACROPHAGE\_DN, GSE8621\_LPS\_STIM\_VS\_LPS\_PRIMED\_AND\_LPS\_STIM\_MACROPHAGE\_DN

GSE17721\_0.5H\_VS\_8H\_LPS\_BMDC\_DN, GSE17721\_0.5H\_VS\_8H\_LPS\_BMDC\_DN

GSE3982\_EOSINOPHIL\_VS\_NKCELL\_UP, GSE3982\_EOSINOPHIL\_VS\_NKCELL\_UP

GSE17721\_LPS\_VS\_PAM3CSK4\_12H\_BMDC\_UP, GSE17721\_LPS\_VS\_PAM3CSK4\_12H\_BMDC\_UP

GSE13485\_CTRL\_VS\_DAY3\_YF17D\_VACCINE\_PBCM\_DN, GSE13485\_CTRL\_VS\_DAY3\_YF17D\_VACCINE\_PBCM\_DN

GSE13762\_CTRL\_VS\_125\_VITAMIND\_DAY12\_DC\_UP, GSE13762\_CTRL\_VS\_125\_VITAMIND\_DAY12\_DC\_UP

GCAAAAAA\_MIR129, GCAAAAAA\_MIR129

GSE25088\_CTRL\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_STAT6\_KO\_MACROPHAGE\_DN, GSE25088\_CTRL\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_STAT6\_KO\_MACROPHAGE\_DN

GSE29949\_MICROGLIA\_VS\_DC\_BRAIN\_UP, GSE29949\_MICROGLIA\_VS\_DC\_BRAIN\_UP

GO\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE, GO\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE

GSE360\_CTRL\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_DN, GSE360\_CTRL\_VS\_B\_MALAYI\_HIGH\_DOSE\_MAC\_DN

GO\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_PRODUCTION, GO\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_PRODUCTION

ZHANG\_BREAST\_CANCER\_PROGENITORS\_DN, ZHANG\_BREAST\_CANCER\_PROGENITORS\_DN

MCAATNNNNNGCG\_UNKNOWN, MCAATNNNNNGCG\_UNKNOWN

GSE46242\_TH1\_VS\_ANERGIC\_TH1\_CD4\_TCELL\_WITH\_EGR2\_DELETED\_DN, GSE46242\_TH1\_VS\_ANERGIC\_TH1\_CD4\_TCELL\_WITH\_EGR2\_DELETED\_DN

GSE12845\_PRE\_GC\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_UP, GSE12845\_PRE\_GC\_VS\_DARKZONE\_GC\_TONSIL\_BCELL\_UP

GSE3982\_BCELL\_VS\_TH1\_UP, GSE3982\_BCELL\_VS\_TH1\_UP

GO\_PROTEIN\_K48\_LINKED\_UBIQUITINATION, GO\_PROTEIN\_K48\_LINKED\_UBIQUITINATION

SETLUR\_PROSTATE\_CANCER\_TMPRS52\_ERG\_FUSION\_UP, SETLUR\_PROSTATE\_CANCER\_TMPRS52\_ERG\_FUSION\_UP

GO\_REGULATION\_OF\_LEUKOCYTE\_MEDIATED\_IMMUNITY, GO\_REGULATION\_OF\_LEUKOCYTE\_MEDIATED\_IMMUNITY

STAT3\_02, STAT3\_02

GSE32901\_TH1\_VS\_TH17\_NEG\_CD4\_TCELL\_UP, GSE32901\_TH1\_VS\_TH17\_NEG\_CD4\_TCELL\_UP

GSE13411\_NAIVE\_VS\_IGM\_MEMORY\_BCELL\_UP, GSE13411\_NAIVE\_VS\_IGM\_MEMORY\_BCELL\_UP

GO\_REGULATION\_OF\_CELL\_CYCLE\_CHECKPOINT, GO\_REGULATION\_OF\_CELL\_CYCLE\_CHECKPOINT

IWANAGA\_CARCIANOGENESIS\_BY\_KRAS\_DN, IWANAGA\_CARCIANOGENESIS\_BY\_KRAS\_DN

GO\_REGULATION\_OF\_NIK\_NF\_KAPPAB\_SIGNALING, GO\_REGULATION\_OF\_NIK\_NF\_KAPPAB\_SIGNALING

GSE25088\_CTRL\_VS\_IL4\_STIM\_STAT6\_KO\_MACROPHAGE\_UP, GSE25088\_CTRL\_VS\_IL4\_STIM\_STAT6\_KO\_MACROPHAGE\_UP

TAGAACC\_MIR182, TAGAACC\_MIR182

IRF2\_01, IRF2\_01

KYNG\_NORMAL\_AGING\_UP, KYNG\_NORMAL\_AGING\_UP

CYTACCAAY\_UNKNOWN, CYTACCAAY\_UNKNOWN

TGTYNNNNNNRGCARM\_UNKNOWN, TGTYNNNNNNRGCARM\_UNKNOWN

GO\_REGULATION\_OF\_JUN\_KINASE\_ACTIVITY, GO\_REGULATION\_OF\_JUN\_KINASE\_ACTIVITY

GO\_POSITIVE\_REGULATION\_OF\_JUN\_KINASE\_ACTIVITY, GO\_POSITIVE\_REGULATION\_OF\_JUN\_KINASE\_ACTIVITY

GSE25123\_CTRL\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DN, GSE25123\_CTRL\_VS\_IL4\_AND\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DN

GSE6875\_TCONV\_VS\_TREG\_UP, GSE6875\_TCONV\_VS\_TREG\_UP

GO\_REGULATION\_OF\_ALPHA\_BETA\_T\_CELL\_ACTIVATION, GO\_REGULATION\_OF\_ALPHA\_BETA\_T\_CELL\_ACTIVATION

GO\_POSITIVE\_REGULATION\_OF\_NF\_KAPPAB\_TRANSCRIPTION\_FACTOR\_ACTIVITY, GO\_POSITIVE\_REGULATION\_OF\_NF\_KAPPAB\_TRANSCRIPTION\_FACTOR\_ACTIVITY

ROESSLER\_LIVER\_CANCER\_METASTASIS\_UP, ROESSLER\_LIVER\_CANCER\_METASTASIS\_UP

CAGCACT\_MIR5123P, CAGCACT\_MIR5123P

GO\_POSITIVE\_REGULATION\_OF\_LEUKOCYTE\_MEDIATED\_IMMUNITY, GO\_POSITIVE\_REGULATION\_OF\_LEUKOCYTE\_MEDIATED\_IMMUNITY

GO\_NEGATIVE\_REGULATION\_OF\_CELL\_CELL\_ADHESION, GO\_NEGATIVE\_REGULATION\_OF\_CELL\_CELL\_ADHESION

GO\_POSITIVE\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_PRODUCTION, GO\_POSITIVE\_REGULATION\_OF\_TYPE\_I\_INTERFERON\_PRODUCTION

GO\_REGULATION\_OF\_EXTENT\_OF\_CELL\_GROWTH, GO\_REGULATION\_OF\_EXTENT\_OF\_CELL\_GROWTH

GO\_REGULATION\_OF\_P38MAPK\_CASCADE, GO\_REGULATION\_OF\_P38MAPK\_CASCADE

PID\_ARF6\_PATHWAY, PID\_ARF6\_PATHWAY

GSE16385\_IL4\_VS\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DN, GSE16385\_IL4\_VS\_ROSIGLITAZONE\_STIM\_MACROPHAGE\_DN

GO\_NEGATIVE\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE, GO\_NEGATIVE\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE

BEGUM\_TARGETS\_OF\_PAX3\_FOXO1\_FUSION\_UP, BEGUM\_TARGETS\_OF\_PAX3\_FOXO1\_FUSION\_UP

GO\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_NAD\_P\_H\_OXYGEN\_AS\_ACCEPTOR, GO\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_NAD\_P\_H\_OXYGEN\_AS\_ACCEPTOR

GO\_REGULATION\_OF\_ALPHA\_BETA\_T\_CELL\_DIFFERENTIATION, GO\_REGULATION\_OF\_ALPHA\_BETA\_T\_CELL\_DIFFERENTIATION

GO\_REGULATION\_OF\_MAST\_CELL\_ACTIVATION\_INVOLVED\_IN\_IMMUNE\_RESPONSE, GO\_REGULATION\_OF\_MAST\_CELL\_ACTIVATION\_INVOLVED\_IN\_IMMUNE\_RESPONSE

GO\_CELLULAR\_RESPONSE\_TO\_AMINO\_ACID\_STARVATION, GO\_CELLULAR\_RESPONSE\_TO\_AMINO\_ACID\_STARVATION

GGTGTGT\_MIR329, GGTGTGT\_MIR329

KEGG\_GAP\_JUNCTION, KEGG\_GAP\_JUNCTION

REACTOME\_DOWNREGULATION\_OF\_SMAD2\_3\_SMAD4\_TRANSCRIPTIONAL\_ACTIVITY, REACTOME\_DOWNREGULATION\_OF\_SMAD2\_3\_SMAD4\_TRANSCRIPTIONAL\_ACTIVITY

GO\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_COREPRESSOR\_ACTIVITY, GO\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_COREPRESSOR\_ACTIVITY

YORDY\_RECIPROCAL\_REGULATION\_BY\_ETS1\_AND\_SP100\_DN, YORDY\_RECIPROCAL\_REGULATION\_BY\_ETS1\_AND\_SP100\_DN

GO\_REGULATION\_OF\_DNA\_DAMAGE\_CHECKPOINT, GO\_REGULATION\_OF\_DNA\_DAMAGE\_CHECKPOINT

GO\_POST\_EMBRYONIC\_MORPHOGENESIS, GO\_POST\_EMBRYONIC\_MORPHOGENESIS

GO\_REGULATION\_OF\_ANDROGEN\_RECEPTOR\_SIGNALING\_PATHWAY, GO\_REGULATION\_OF\_ANDROGEN\_RECEPTOR\_SIGNALING\_PATHWAY

REACTOME\_ANTIGEN\_ACTIVATES\_B\_CELL\_RECEPTOR\_LEADING\_TO\_GENERATION\_OF\_SECOND\_MESSENGERS, REACTOME\_ANTIGEN\_ACTIVATES\_B\_CELL\_RECEPTOR\_LEADING\_TO\_GENERATION\_OF\_SECOND\_MESSENGERS

chr12q, chr12q

FALVELLA\_SMOKERS\_WITH\_LUNG\_CANCER, FALVELLA\_SMOKERS\_WITH\_LUNG\_CANCER

GO\_NEGATIVE\_REGULATION\_OF\_HOMOTYPIC\_CELL\_CELL\_ADHESION, GO\_NEGATIVE\_REGULATION\_OF\_HOMOTYPIC\_CELL\_CELL\_ADHESION

GO\_POSITIVE\_REGULATION\_OF\_LYMPHOCYTE\_MEDIATED\_IMMUNITY, GO\_POSITIVE\_REGULATION\_OF\_LYMPHOCYTE\_MEDIATED\_IMMUNITY

GO\_POSITIVE\_REGULATION\_OF\_ALPHA\_BETA\_T\_CELL\_DIFFERENTIATION, GO\_POSITIVE\_REGULATION\_OF\_ALPHA\_BETA\_T\_CELL\_DIFFERENTIATION

GO\_ACTIVATION\_OF\_NF\_KAPPAB\_INDUCING\_KINASE\_ACTIVITY, GO\_ACTIVATION\_OF\_NF\_KAPPAB\_INDUCING\_KINASE\_ACTIVITY

GO\_POSITIVE\_REGULATION\_OF\_ALPHA\_BETA\_T\_CELL\_ACTIVATION, GO\_POSITIVE\_REGULATION\_OF\_ALPHA\_BETA\_T\_CELL\_ACTIVATION

REACTOME\_APOPTOSIS\_INDUCED\_DNA\_FRAGMENTATION, REACTOME\_APOPTOSIS\_INDUCED\_DNA\_FRAGMENTATION

GO\_BONE\_CELL\_DEVELOPMENT, GO\_BONE\_CELL\_DEVELOPMENT

GO\_REGULATION\_OF\_ADAPTIVE\_IMMUNE\_RESPONSE, GO\_REGULATION\_OF\_ADAPTIVE\_IMMUNE\_RESPONSE

GO\_MITOGEN\_ACTIVATED\_PROTEIN\_KINASE\_BINDING, GO\_MITOGEN\_ACTIVATED\_PROTEIN\_KINASE\_BINDING

GO\_APPENDAGE\_DEVELOPMENT, GO\_APPENDAGE\_DEVELOPMENT

GSE17721\_POLYIC\_VS\_CPG\_0.5H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_CPG\_0.5H\_BMDC\_UP

BIOCARTA\_CCR3\_PATHWAY, BIOCARTA\_CCR3\_PATHWAY

SA\_B\_CELL\_RECEPTOR\_COMPLEXES, SA\_B\_CELL\_RECEPTOR\_COMPLEXES

MORI\_LARGE\_PRE\_BII\_LYMPHOCYTE\_DN, MORI\_LARGE\_PRE\_BII\_LYMPHOCYTE\_DN

CRX\_NRL\_V1\_DN, CRX\_NRL\_DN.V1\_DN

GO\_MYELOID\_CELL\_DEVELOPMENT, GO\_MYELOID\_CELL\_DEVELOPMENT

GO\_UBIQUITIN\_UBIQUITIN\_LIGASE\_ACTIVITY, GO\_UBIQUITIN\_UBIQUITIN\_LIGASE\_ACTIVITY

NIELSEN\_SYNOVIAL\_SARCOMA\_DN, NIELSEN\_SYNOVIAL\_SARCOMA\_DN

GO\_REGULATION\_OF\_VIRAL\_ENTRY\_INTO\_HOST\_CELL, GO\_REGULATION\_OF\_VIRAL\_ENTRY\_INTO\_HOST\_CELL</