

GSE32986\_GMCSF\_AND\_CURDLAN\_LOWDOSE\_VS\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_STIM\_DC\_UP, GSE32986\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_VS\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_STIM\_DC\_UP, GSE22935\_UNSTIM\_VS\_12H\_MBOVIS\_BCG\_STIM\_MACROPHAGE\_DN, GSE22935\_UNSTIM\_VS\_12H\_MBOVIS\_BCG\_STIM\_MACROPHAGE\_DN  
GSE26343\_WT\_VS\_NFAT5\_KO\_MACROPHAGE\_UP, GSE26343\_WT\_VS\_NFAT5\_KO\_MACROPHAGE\_UP  
GSE42021\_TREG\_PLN\_VS\_CD24HI\_TREG\_THYMUS\_DN, GSE42021\_TREG\_PLN\_VS\_CD24HI\_TREG\_THYMUS\_DN  
GSE32986\_CURDLAN\_HIGHDOSE\_VS\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_STIM\_DC\_UP, GSE32986\_CURDLAN\_HIGHDOSE\_VS\_GMCSF\_AND\_CURDLAN\_HIGHDOSE\_STIM\_DC\_UP, GSE22935\_UNSTIM\_VS\_12H\_MBOVIS\_BCG\_STIM\_MACROPHAGE\_DN, GSE22935\_UNSTIM\_VS\_12H\_MBOVIS\_BCG\_STIM\_MACROPHAGE\_DN  
GSE17721\_LPS\_VS\_POLYIC\_4H\_BMDC\_DN, GSE17721\_LPS\_VS\_POLYIC\_4H\_BMDC\_DN  
GSE35825\_UNTREATED\_VS\_IFNG\_STIM\_MACROPHAGE\_DN, GSE35825\_UNTREATED\_VS\_IFNG\_STIM\_MACROPHAGE\_DN  
GSE17721\_POLYIC\_VS\_CPG\_4H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_CPG\_4H\_BMDC\_UP  
GSE17721\_LPS\_VS\_POLYIC\_8H\_BMDC\_DN, GSE17721\_LPS\_VS\_POLYIC\_8H\_BMDC\_DN  
GSE27859\_MACROPHAGE\_VS\_CD11C\_INT\_F480\_HI\_MACROPHAGE\_DN, GSE27859\_MACROPHAGE\_VS\_CD11C\_INT\_F480\_HI\_MACROPHAGE\_DN  
GSE17721\_12H\_VS\_24H\_GARDIQUIMOD\_BMDC\_DN, GSE17721\_12H\_VS\_24H\_GARDIQUIMOD\_BMDC\_DN  
GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_UP, GSE16697\_CD4\_TCELL\_VS\_TFH\_CD4\_TCELL\_UP  
GSE17721\_LPS\_VS\_GARDIQUIMOD\_4H\_BMDC\_DN, GSE17721\_LPS\_VS\_GARDIQUIMOD\_4H\_BMDC\_DN  
GSE17721\_POLYIC\_VS\_CPG\_2H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_CPG\_2H\_BMDC\_UP  
GSE17721\_LPS\_VS\_GARDIQUIMOD\_2H\_BMDC\_DN, GSE17721\_LPS\_VS\_GARDIQUIMOD\_2H\_BMDC\_DN  
GSE15330\_HSC\_VS\_PRO\_BCELL\_UP, GSE15330\_HSC\_VS\_PRO\_BCELL\_UP  
GSE17721\_LPS\_VS\_GARDIQUIMOD\_12H\_BMDC\_DN, GSE17721\_LPS\_VS\_GARDIQUIMOD\_12H\_BMDC\_DN  
GSE15330\_WT\_VS\_IKAROS\_KO\_LYMPHOID\_MULTIPOTENT\_PROGENITOR\_DN, GSE15330\_WT\_VS\_IKAROS\_KO\_LYMPHOID\_MULTIPOTENT\_PROGENITOR\_DN  
GSE17721\_CTRL\_VS\_PAM3CSK4\_6H\_BMDC\_UP, GSE17721\_CTRL\_VS\_PAM3CSK4\_6H\_BMDC\_UP  
GSE3982\_BCELL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_UP, GSE3982\_BCELL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_UP  
GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_4H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_4H\_BMDC\_UP  
GSE43863\_NAIVE\_VS\_MEMORY\_LY6C\_INT\_CXCR5POS\_CD4\_TCELL\_D150\_LCMV\_UP, GSE43863\_NAIVE\_VS\_MEMORY\_LY6C\_INT\_CXCR5POS\_CD4\_TCELL\_D150\_LCMV\_UP  
GSE6092\_B\_BURGDORFERI\_VS\_B\_BURGDORFERI\_AND\_IFNG\_STIM\_ENDOTHELIAL\_CELL\_UP, GSE6092\_B\_BURGDORFERI\_VS\_B\_BURGDORFERI\_AND\_IFNG\_STIM\_ENDOTHELIAL\_CELL\_UP  
GSE17721\_0.5H\_VS\_4H\_GARDIQUIMOD\_BMDC\_UP, GSE17721\_0.5H\_VS\_4H\_GARDIQUIMOD\_BMDC\_UP  
GSE14908\_RESTING\_VS\_HDM\_STIM\_CD4\_TCELL\_NONATOPIC\_PATIENT\_UP, GSE14908\_RESTING\_VS\_HDM\_STIM\_CD4\_TCELL\_NONATOPIC\_PATIENT\_UP  
GSE12198\_NK\_VS\_NK\_ACT\_EXPANSION\_SYSTEM\_DERIVED\_NK\_CELL\_DN, GSE12198\_NK\_VS\_NK\_ACT\_EXPANSION\_SYSTEM\_DERIVED\_NK\_CELL\_DN  
GSE22432\_CDC\_VS\_COMMON\_DC\_PROGENITOR\_UP, GSE22432\_CDC\_VS\_COMMON\_DC\_PROGENITOR\_UP  
GSE26343\_WT\_VS\_NFAT5\_KO\_MACROPHAGE\_LPS\_STIM\_UP, GSE26343\_WT\_VS\_NFAT5\_KO\_MACROPHAGE\_LPS\_STIM\_UP  
GSE17721\_0.5H\_VS\_8H\_PAM3CSK4\_BMDC\_UP, GSE17721\_0.5H\_VS\_8H\_PAM3CSK4\_BMDC\_UP  
GSE43955\_TH0\_VS\_TGFB\_IL6\_IL23\_TH17\_ACT\_CD4\_TCELL\_60H\_DN, GSE43955\_TH0\_VS\_TGFB\_IL6\_IL23\_TH17\_ACT\_CD4\_TCELL\_60H\_DN  
GSE8384\_CTRL\_VS\_B\_ABORTUS\_4H\_MAC\_CELL\_LINE\_UP, GSE8384\_CTRL\_VS\_B\_ABORTUS\_4H\_MAC\_CELL\_LINE\_UP  
GSE17721\_LPS\_VS\_PAM3CSK4\_24H\_BMDC\_DN, GSE17721\_LPS\_VS\_PAM3CSK4\_24H\_BMDC\_DN  
GSE17721\_0.5H\_VS\_12H\_PAM3CSK4\_BMDC\_UP, GSE17721\_0.5H\_VS\_12H\_PAM3CSK4\_BMDC\_UP  
GSE24102\_GNANULOCYSTIC\_MDSC\_VS\_NEUTROPHIL\_UP, GSE24102\_GNANULOCYSTIC\_MDSC\_VS\_NEUTROPHIL\_UP  
GSE40685\_NAIVE\_CD4\_TCELL\_VS\_TREG\_DN, GSE40685\_NAIVE\_CD4\_TCELL\_VS\_TREG\_DN  
GSE8921\_UNSTIM\_0H\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_DN, GSE8921\_UNSTIM\_0H\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_DN  
GSE8921\_UNSTIM\_0H\_VS\_TLR1\_2\_STIM\_MONOCYTE\_6H\_DN, GSE8921\_UNSTIM\_0H\_VS\_TLR1\_2\_STIM\_MONOCYTE\_6H\_DN  
GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_MEMORY\_BCELL\_DAY40\_UP, GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_MEMORY\_BCELL\_DAY40\_UP  
GSE2706\_2H\_VS\_8H\_LPS\_STIM\_DC\_UP, GSE2706\_2H\_VS\_8H\_LPS\_STIM\_DC\_UP  
GSE39110\_DAY3\_VS\_DAY6\_POST\_IMMUNIZATION\_CD8\_TCELL\_UP, GSE39110\_DAY3\_VS\_DAY6\_POST\_IMMUNIZATION\_CD8\_TCELL\_UP  
GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_IL23\_TREATED\_CD4\_TCELL\_DN, GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_IL23\_TREATED\_CD4\_TCELL\_DN  
GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_STAT5\_AB\_KNOCKIN\_TCELL\_17H\_DN, GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_STAT5\_AB\_KNOCKIN\_TCELL\_17H\_DN  
GSE17721\_CTRL\_VS\_POLYIC\_2H\_BMDC\_UP, GSE17721\_CTRL\_VS\_POLYIC\_2H\_BMDC\_UP  
GSE2585\_THYMIC\_DC\_VS\_MTEC\_UP, GSE2585\_THYMIC\_DC\_VS\_MTEC\_UP  
BIDUS\_METASTASIS\_DN, BIDUS\_METASTASIS\_DN  
KAECH\_DAY8\_EFF\_VS\_DAY15\_EFF\_CD8\_TCELL\_DN, KAECH\_DAY8\_EFF\_VS\_DAY15\_EFF\_CD8\_TCELL\_DN  
GSE10239\_MEMORY\_VS\_DAY4.5\_EFF\_CD8\_TCELL\_UP, GSE10239\_MEMORY\_VS\_DAY4.5\_EFF\_CD8\_TCELL\_UP  
GSE5503\_LIVER\_DC\_VS\_PLN\_DC\_ACTIVATED\_ALLOGENIC\_TCELL\_UP, GSE5503\_LIVER\_DC\_VS\_PLN\_DC\_ACTIVATED\_ALLOGENIC\_TCELL\_UP  
GO\_PROTEIN\_COMPLEX\_LOCALIZATION, GO\_PROTEIN\_COMPLEX\_LOCALIZATION  
GSE25088\_CTRL\_VS\_IL4\_STIM\_MACROPHAGE\_DN, GSE25088\_CTRL\_VS\_IL4\_STIM\_MACROPHAGE\_DN  
MORF\_DDX11, MORF\_DDX11  
RAF\_UP.V1\_DN, RAF\_UP.V1\_DN  
GO\_FATTY\_ACID\_BETA\_OXIDATION, GO\_FATTY\_ACID\_BETA\_OXIDATION  
GO\_PROTEIN\_TRANSPORT\_ALONG\_MICROTUBULE, GO\_PROTEIN\_TRANSPORT\_ALONG\_MICROTUBULE  
GSE29164\_DAY3\_VS\_DAY7\_CD8\_TCELL\_TREATED\_MELANOMA\_DN, GSE29164\_DAY3\_VS\_DAY7\_CD8\_TCELL\_TREATED\_MELANOMA\_DN  
GO\_POSITIVE\_REGULATION\_OF\_PROTEIN\_BINDING, GO\_POSITIVE\_REGULATION\_OF\_PROTEIN\_BINDING  
GO\_INTRACILIARY\_TRANSPORT\_PARTICLE, GO\_INTRACILIARY\_TRANSPORT\_PARTICLE  
GO\_LIPID\_OXIDATION, GO\_LIPID\_OXIDATION  
GO\_FLAVIN\_ADENINE\_DINUCLEOTIDE\_BINDING, GO\_FLAVIN\_ADENINE\_DINUCLEOTIDE\_BINDING  
PID\_ERBB1\_INTERNALIZATION\_PATHWAY, PID\_ERBB1\_INTERNALIZATION\_PATHWAY  
GSE22601\_DOUBLE\_NEGATIVE\_VS\_IMMATURE\_CD4\_SP\_THYMOCYTE\_DN, GSE22601\_DOUBLE\_NEGATIVE\_VS\_IMMATURE\_CD4\_SP\_THYMOCYTE\_DN  
GO\_B\_CELL\_PROLIFERATION, GO\_B\_CELL\_PROLIFERATION  
GO\_SH3\_DOMAIN\_BINDING, GO\_SH3\_DOMAIN\_BINDING  
MOOTHA\_FFA\_OXYDATION, MOOTHA\_FFA\_OXYDATION  
GO\_B\_CELL\_RECEPTOR\_SIGNALING\_PATHWAY, GO\_B\_CELL\_RECEPTOR\_SIGNALING\_PATHWAY  
CHIANG\_LIVER\_CANCER\_SUBCLASS\_PROLIFERATION\_DN, CHIANG\_LIVER\_CANCER\_SUBCLASS\_PROLIFERATION\_DN  
VALK\_AML\_CLUSTER\_8, VALK\_AML\_CLUSTER\_8  
GO\_REGULATION\_OF\_GLIAL\_CELL\_PROLIFERATION, GO\_REGULATION\_OF\_GLIAL\_CELL\_PROLIFERATION  
GSE2770\_IL12\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_2H\_UP, GSE2770\_IL12\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_2H\_UP  
GSE13522\_WT\_VS\_IFNAR\_KO\_SKIN\_T\_CRUZI\_Y\_STRAIN\_INF\_DN, GSE13522\_WT\_VS\_IFNAR\_KO\_SKIN\_T\_CRUZI\_Y\_STRAIN\_INF\_DN  
GO\_AXONAL\_GROWTH\_CONE, GO\_AXONAL\_GROWTH\_CONE  
PAX2\_01, PAX2\_01  
GO\_POSITIVE\_REGULATION\_OF\_EPITHELIAL\_CELL\_APOPTOTIC\_PROCESS, GO\_POSITIVE\_REGULATION\_OF\_EPITHELIAL\_CELL\_APOPTOTIC\_PROCESS  
MCBRYAN\_PUBERTAL\_BREAST\_3\_4WK\_DN, MCBRYAN\_PUBERTAL\_BREAST\_3\_4WK\_DN  
GO\_ORGANIC\_HYDROXY\_COMPOUND\_CATABOLIC\_PROCESS, GO\_ORGANIC\_HYDROXY\_COMPOUND\_CATABOLIC\_PROCESS  
GO\_POSITIVE\_REGULATION\_OF\_ENDOTHELIAL\_CELL\_APOPTOTIC\_PROCESS, GO\_POSITIVE\_REGULATION\_OF\_ENDOTHELIAL\_CELL\_APOPTOTIC\_PROCESS  
GO\_NEGATIVE\_REGULATION\_OF\_DEFENSE\_RESPONSE\_TO\_VIRUS, GO\_NEGATIVE\_REGULATION\_OF\_DEFENSE\_RESPONSE\_TO\_VIRUS  
MORF\_RAGE, MORF\_RAGE  
GO\_SULFUR\_COMPOUND\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY, GO\_SULFUR\_COMPOUND\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY