

\_KO\_PDC\_DAY4\_POST\_DELETION\_UP, GSE24726\_WT\_VS\_E2\_2\_KO\_PDC\_DAY4\_POST\_DELETION\_UP

GSE24292\_WT\_VS\_PPARG\_KO\_MACROPHAGE\_UP, GSE24292\_WT\_VS\_PPARG\_KO\_MACROPHAGE\_UP  
GSE17186\_NAIVE\_VS\_CD21LOW\_TRANSITIONAL\_BCELL\_UP, GSE17186\_NAIVE\_VS\_CD21LOW\_TRANSITIONAL\_BCELL\_UP  
GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_1H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_1H\_BMDC\_DN  
GSE25085\_FETAL\_LIVER\_VS\_FETAL\_BM\_SP4\_THYMIC\_IMPLANT\_DN, GSE25085\_FETAL\_LIVER\_VS\_FETAL\_BM\_SP4\_THYMIC\_IMPLANT\_DN  
GSE17721\_CTRL\_VS\_GARDIQUIMOD\_8H\_BMDC\_DN, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_8H\_BMDC\_DN  
GSE22935\_WT\_VS\_MYD88\_KO\_MACROPHAGE\_12H\_MBOVIS\_BCG\_STIM\_DN, GSE22935\_WT\_VS\_MYD88\_KO\_MACROPHAGE\_12H\_MBOVIS\_BCG\_STIM\_DN  
GSE15324\_NAIVE\_VS\_ACTIVATED\_CD8\_TCELL\_DN, GSE15324\_NAIVE\_VS\_ACTIVATED\_CD8\_TCELL\_DN  
GSE7219\_UNSTIM\_VS\_LPS\_AND\_ANTLCD40\_STIM\_DC\_DN, GSE7219\_UNSTIM\_VS\_LPS\_AND\_ANTLCD40\_STIM\_DC\_DN  
GSE17721\_0.5H\_VS\_8H\_POLYIC\_BMDC\_DN, GSE17721\_0.5H\_VS\_8H\_POLYIC\_BMDC\_DN  
GSE41867\_NAIVE\_VS\_DAY6\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_DN, GSE41867\_NAIVE\_VS\_DAY6\_LCMV\_ARMSTRONG\_EFFECTOR\_CD8\_TCELL\_DN  
GSE5589\_IL6\_KO\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_45MIN\_UP, GSE5589\_IL6\_KO\_VS\_IL10\_KO\_LPS\_AND\_IL10\_STIM\_MACROPHAGE\_45MIN\_UP  
GSE5542\_IFNG\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_24H\_DN, GSE5542\_IFNG\_VS\_IFNA\_AND\_IFNG\_TREATED\_EPITHELIAL\_CELLS\_24H\_DN  
GSE17721\_CTRL\_VS\_POLYIC\_4H\_BMDC\_DN, GSE17721\_CTRL\_VS\_POLYIC\_4H\_BMDC\_DN  
GSE17721\_POLYIC\_VS\_CPG\_2H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_CPG\_2H\_BMDC\_DN  
GSE39152\_CD103\_NEG\_VS\_POS\_MEMORY\_CD8\_TCELL\_DN, GSE39152\_CD103\_NEG\_VS\_POS\_MEMORY\_CD8\_TCELL\_DN  
GSE35685\_CD34POS\_CD38NEG\_VS\_CD34POS\_CD10NEG\_CD62LPOS\_BONE\_MARROW\_DN, GSE35685\_CD34POS\_CD38NEG\_VS\_CD34POS\_CD10NEG\_CD62LPOS\_BONE\_MARROW\_DN  
GSE43955\_10H\_VS\_60H\_ACT\_CD4\_TCELL\_UP, GSE43955\_10H\_VS\_60H\_ACT\_CD4\_TCELL\_UP  
KYNG\_DNA\_DAMAGE\_DN, KYNG\_DNA\_DAMAGE\_DN  
GSE360\_L\_DONOVANI\_VS\_M\_TUBERCULOSIS\_MAC\_UP, GSE360\_L\_DONOVANI\_VS\_M\_TUBERCULOSIS\_MAC\_UP  
GSE17721\_CTRL\_VS\_PAM3CSK4\_8H\_BMDC\_DN, GSE17721\_CTRL\_VS\_PAM3CSK4\_8H\_BMDC\_DN  
GSE11961\_FOLLICULAR\_BCELL\_VS\_GERMINAL\_CENTER\_BCELL\_DAY7\_DN, GSE11961\_FOLLICULAR\_BCELL\_VS\_GERMINAL\_CENTER\_BCELL\_DAY7\_DN  
GSE28737\_WT\_VS\_BCL6\_KO\_FOLLICULAR\_BCELL\_UP, GSE28737\_WT\_VS\_BCL6\_KO\_FOLLICULAR\_BCELL\_UP  
GSE24210\_TCONV\_VS\_TREG\_UP, GSE24210\_TCONV\_VS\_TREG\_UP  
GSE16266\_CTRL\_VS\_LPS\_STIM\_MEF\_DN, GSE16266\_CTRL\_VS\_LPS\_STIM\_MEF\_DN  
HP\_MACULE, HP\_MACULE  
FIGUEROA\_AML\_METHYLATION\_CLUSTER\_6\_UP, FIGUEROA\_AML\_METHYLATION\_CLUSTER\_6\_UP  
GSE16266\_LPS\_VS\_HEATSHOCK\_AND\_LPS\_STIM\_MEF\_UP, GSE16266\_LPS\_VS\_HEATSHOCK\_AND\_LPS\_STIM\_MEF\_UP  
KEGG\_SYSTEMIC\_LUPUS\_ERYTHEMATOSUS, KEGG\_SYSTEMIC\_LUPUS\_ERYTHEMATOSUS  
GSE43863\_TFH\_VS\_LY6C\_LOW\_CXCR5NEG\_EFFECTOR\_CD4\_TCELL\_DN, GSE43863\_TFH\_VS\_LY6C\_LOW\_CXCR5NEG\_EFFECTOR\_CD4\_TCELL\_DN  
GSE2706\_R848\_VS\_R848\_AND\_LPS\_8H\_STIM\_DC\_DN, GSE2706\_R848\_VS\_R848\_AND\_LPS\_8H\_STIM\_DC\_DN  
HP\_HYPERMELANOTIC\_MACULE, HP\_HYPERMELANOTIC\_MACULE  
GSE2585\_CTEC\_VS\_THYMIC\_DC\_DN, GSE2585\_CTEC\_VS\_THYMIC\_DC\_DN  
GSE43863\_TFH\_VS\_LY6C\_INT\_CXCR5POS\_MEMORY\_CD4\_TCELL\_DN, GSE43863\_TFH\_VS\_LY6C\_INT\_CXCR5POS\_MEMORY\_CD4\_TCELL\_DN  
GSE36891\_POLYIC\_TLR3\_VS\_PAM\_TLR2\_STIM\_PERITONEAL\_MACROPHAGE\_UP, GSE36891\_POLYIC\_TLR3\_VS\_PAM\_TLR2\_STIM\_PERITONEAL\_MACROPHAGE\_UP  
GSE2585\_CTEC\_VS\_THYMIC\_DC\_UP, GSE2585\_CTEC\_VS\_THYMIC\_DC\_UP  
GSE3982\_BASOPHIL\_VS\_NKCELL\_DN, GSE3982\_BASOPHIL\_VS\_NKCELL\_DN  
GSE41978\_KLRG1\_HIGH\_VS\_LOW\_EFFECTOR\_CD8\_TCELL\_UP, GSE41978\_KLRG1\_HIGH\_VS\_LOW\_EFFECTOR\_CD8\_TCELL\_UP  
CHIBA\_RESPONSE\_TO\_TSA, CHIBA\_RESPONSE\_TO\_TSA  
GSE16385\_UNTREATED\_VS\_12H\_ROSIGLITAZONE\_TREATED\_MACROPHAGE\_DN, GSE16385\_UNTREATED\_VS\_12H\_ROSIGLITAZONE\_TREATED\_MACROPHAGE\_DN  
GSE4142\_NAIVE\_VS\_MEMORY\_BCELL\_UP, GSE4142\_NAIVE\_VS\_MEMORY\_BCELL\_UP  
HP\_HYPERLIPIDEMIA, HP\_HYPERLIPIDEMIA  
REACTOME\_GLYCEROPHOSPHOLIPID\_BIOSYNTHESIS, REACTOME\_GLYCEROPHOSPHOLIPID\_BIOSYNTHESIS  
MAPK3\_TARGET\_GENES, MAPK3\_TARGET\_GENES  
LINDGREN\_BLADDER\_CANCER\_HIGH\_RECURRENCE, LINDGREN\_BLADDER\_CANCER\_HIGH\_RECURRENCE  
HP\_ABNORMAL\_NASOLACRIMAL\_SYSTEM\_MORPHOLOGY, HP\_ABNORMAL\_NASOLACRIMAL\_SYSTEM\_MORPHOLOGY  
MIR6769B\_5P, MIR6769B\_5P  
GSE17721\_CTRL\_VS\_PAM3CSK4\_2H\_BMDC\_DN, GSE17721\_CTRL\_VS\_PAM3CSK4\_2H\_BMDC\_DN  
HP\_TYPE\_I\_DIABETES\_MELLITUS, HP\_TYPE\_I\_DIABETES\_MELLITUS  
GSE36891\_UNSTIM\_VS\_POLYIC\_TLR3\_STIM\_PERITONEAL\_MACROPHAGE\_UP, GSE36891\_UNSTIM\_VS\_POLYIC\_TLR3\_STIM\_PERITONEAL\_MACROPHAGE\_UP  
GSE8835\_CD4\_VS\_CD8\_TCELL\_DN, GSE8835\_CD4\_VS\_CD8\_TCELL\_DN  
WOTTON\_RUNX\_TARGETS\_DN, WOTTON\_RUNX\_TARGETS\_DN  
MIR6769A\_5P, MIR6769A\_5P  
CHIANG\_LIVER\_CANCER\_SUBCLASS\_POLYSOMY7\_DN, CHIANG\_LIVER\_CANCER\_SUBCLASS\_POLYSOMY7\_DN  
KEGG\_INTESTINAL\_IMMUNE\_NETWORK\_FOR\_IGA\_PRODUCTION, KEGG\_INTESTINAL\_IMMUNE\_NETWORK\_FOR\_IGA\_PRODUCTION  
HP\_DECREASED\_HDL\_CHOLESTEROL\_CONCENTRATION, HP\_DECREASED\_HDL\_CHOLESTEROL\_CONCENTRATION  
HOFFMANN\_LARGE\_TO\_SMALL\_PRE\_BII\_LYMPHOCYTE\_DN, HOFFMANN\_LARGE\_TO\_SMALL\_PRE\_BII\_LYMPHOCYTE\_DN  
MIR3923, MIR3923  
WP\_MATRIX\_METALLOPROTEINASES, WP\_MATRIX\_METALLOPROTEINASES  
GOBP\_MEMBRANE\_DEPOLARIZATION, GOBP\_MEMBRANE\_DEPOLARIZATION  
WANG\_NFKB\_TARGETS, WANG\_NFKB\_TARGETS  
HP\_ABNORMAL\_HDL\_CHOLESTEROL\_CONCENTRATION, HP\_ABNORMAL\_HDL\_CHOLESTEROL\_CONCENTRATION  
WANG\_TNF\_TARGETS, WANG\_TNF\_TARGETS  
HP\_EMG\_DECREMENTAL\_RESPONSE\_OF\_COMPOUND\_MUSCLE\_ACTION\_POTENTIAL\_TO\_REPETITIVE\_NERVE\_STIMULATION, HP\_EMG\_DECREMENTAL\_RESPONSE\_OF\_COMPOUND\_MUSCLE\_ACTION\_POTENTIAL\_TO  
GOCC\_MHC\_CLASS\_II\_PROTEIN\_COMPLEX, GOCC\_MHC\_CLASS\_II\_PROTEIN\_COMPLEX  
GSE21546\_UNSTIM\_VS\_ANTI\_CD3\_STIM\_SAP1A\_KO\_AND\_ELK1\_KO\_DP\_THYMOCYTES\_DN, GSE21546\_UNSTIM\_VS\_ANTI\_CD3\_STIM\_SAP1A\_KO\_AND\_ELK1\_KO\_DP\_THYMOCYTES\_DN  
HP\_MALNUTRITION, HP\_MALNUTRITION  
WP\_CELL\_MIGRATION\_AND\_INVASION\_THROUGH\_P75NTR, WP\_CELL\_MIGRATION\_AND\_INVASION\_THROUGH\_P75NTR  
HP\_POSTEXERTIONAL\_MALAISE, HP\_POSTEXERTIONAL\_MALAISE  
GOBP\_NEGATIVE\_REGULATION\_OF\_B\_CELL\_APOPTOTIC\_PROCESS, GOBP\_NEGATIVE\_REGULATION\_OF\_B\_CELL\_APOPTOTIC\_PROCESS  
LUI\_THYROID\_CANCER\_CLUSTER\_4, LUI\_THYROID\_CANCER\_CLUSTER\_4  
HP\_DECREASED\_SIZE\_OF\_NERVE\_TERMINALS, HP\_DECREASED\_SIZE\_OF\_NERVE\_TERMINALS  
HP\_FLATTENED\_EPIPHYSIS, HP\_FLATTENED\_EPIPHYSIS  
GOBP\_CHOLESTEROL\_STORAGE, GOBP\_CHOLESTEROL\_STORAGE  
GOBP\_INNER\_EAR\_MORPHOGENESIS, GOBP\_INNER\_EAR\_MORPHOGENESIS  
HP\_TRICEPS\_WEAKNESS, HP\_TRICEPS\_WEAKNESS