

TANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_DN, GSE22611\_UNSTIM\_VS\_2H\_MDP\_STIM\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_DN

GSE25085\_FETAL\_BM\_VS\_ADULT\_BM\_SP4\_THYMIC\_IMPLANT\_UP, GSE25085\_FETAL\_BM\_VS\_ADULT\_BM\_SP4\_THYMIC\_IMPLANT\_UP  
GSE4590\_SMALL\_VS\_VPREB\_POS\_LARGE\_PRE\_BCELL\_UP, GSE4590\_SMALL\_VS\_VPREB\_POS\_LARGE\_PRE\_BCELL\_UP  
GSE32901\_NAIVE\_VS\_TH17\_ENRICHED\_CD4\_TCELL\_DN, GSE32901\_NAIVE\_VS\_TH17\_ENRICHED\_CD4\_TCELL\_DN  
GSE14769\_20MIN\_VS\_360MIN\_LPS\_BMDM\_DN, GSE14769\_20MIN\_VS\_360MIN\_LPS\_BMDM\_DN  
GSE411\_UNSTIM\_VS\_100MIN\_IL6\_STIM\_SOCS3\_KO\_MACROPHAGE\_DN, GSE411\_UNSTIM\_VS\_100MIN\_IL6\_STIM\_SOCS3\_KO\_MACROPHAGE\_DN  
GSE7852\_THYMUS\_VS\_FAT\_TCONV\_DN, GSE7852\_THYMUS\_VS\_FAT\_TCONV\_DN  
GSE7831\_UNSTIM\_VS\_INFLUENZA\_STIM\_PDC\_4H\_DN, GSE7831\_UNSTIM\_VS\_INFLUENZA\_STIM\_PDC\_4H\_DN  
GO\_SINGLE\_ORGANISM\_MEMBRANE\_BUDDING, GO\_SINGLE\_ORGANISM\_MEMBRANE\_BUDDING  
ACACTGG\_MIR199A\_MIR199B, ACACTGG\_MIR199A\_MIR199B  
GSE40068\_CXCR5POS\_BCL6POS\_TFH\_VS\_CXCR5NEG\_BCL6NEG\_CD4\_TCELL\_DN, GSE40068\_CXCR5POS\_BCL6POS\_TFH\_VS\_CXCR5NEG\_BCL6NEG\_CD4\_TCELL\_DN  
GSE26928\_NAIVE\_VS\_CXCR5\_POS\_CD4\_TCELL\_DN, GSE26928\_NAIVE\_VS\_CXCR5\_POS\_CD4\_TCELL\_DN  
GSE17721\_LPS\_VS\_PAM3CSK4\_8H\_BMDC\_UP, GSE17721\_LPS\_VS\_PAM3CSK4\_8H\_BMDC\_UP  
REACTOME\_FATTY\_ACID\_TRIACYLGLYCEROL\_AND\_KETONE\_BODY\_METABOLISM, REACTOME\_FATTY\_ACID\_TRIACYLGLYCEROL\_AND\_KETONE\_BODY\_METABOLISM  
E2F\_Q2, E2F\_Q2  
GO\_VESICLE\_COATING, GO\_VESICLE\_COATING  
GSE15330\_HSC\_VS\_LYMPHOID\_PRIMED\_MULTIPOTENT\_PROGENITOR\_UP, GSE15330\_HSC\_VS\_LYMPHOID\_PRIMED\_MULTIPOTENT\_PROGENITOR\_UP  
GO\_VESICLE\_TARGETING, GO\_VESICLE\_TARGETING  
GSE21670\_UNTREATED\_VS\_TGFB\_TREATED\_STAT3\_KO\_CD4\_TCELL\_DN, GSE21670\_UNTREATED\_VS\_TGFB\_TREATED\_STAT3\_KO\_CD4\_TCELL\_DN  
GSE11924\_TH1\_VS\_TH2\_CD4\_TCELL\_UP, GSE11924\_TH1\_VS\_TH2\_CD4\_TCELL\_UP  
GO\_GOLGI\_ORGANIZATION, GO\_GOLGI\_ORGANIZATION  
AAAGGAT\_MIR501, AAAGGAT\_MIR501  
AACATTC\_MIR4093P, AACATTC\_MIR4093P  
GSE37605\_TREG\_VS\_TCONV\_NOD\_FOXP3\_FUSION\_GFP\_DN, GSE37605\_TREG\_VS\_TCONV\_NOD\_FOXP3\_FUSION\_GFP\_DN  
GSE21379\_TFH\_VS\_NON\_TFH\_CD4\_TCELL\_UP, GSE21379\_TFH\_VS\_NON\_TFH\_CD4\_TCELL\_UP  
GSE14769\_UNSTIM\_VS\_360MIN\_LPS\_BMDM\_DN, GSE14769\_UNSTIM\_VS\_360MIN\_LPS\_BMDM\_DN  
PAX5\_01, PAX5\_01  
GO\_PHOSPHATIDYLINOSITOL\_METABOLIC\_PROCESS, GO\_PHOSPHATIDYLINOSITOL\_METABOLIC\_PROCESS  
KMCATNNWGA\_UNKNOWN, KMCATNNWGA\_UNKNOWN  
GSE43863\_LY6C\_INT\_CXCR5POS\_VS\_LY6C\_LOW\_CXCR5NEG\_EFFECTOR\_CD4\_TCELL\_UP, GSE43863\_LY6C\_INT\_CXCR5POS\_VS\_LY6C\_LOW\_CXCR5NEG\_EFFECTOR\_CD4\_TCELL\_UP  
PID\_NFAT\_3PATHWAY, PID\_NFAT\_3PATHWAY  
ROESSLER\_LIVER\_CANCER\_METASTASIS\_DN, ROESSLER\_LIVER\_CANCER\_METASTASIS\_DN  
GSE18281\_CORTEX\_VS\_MEDULLA\_THYMUS\_UP, GSE18281\_CORTEX\_VS\_MEDULLA\_THYMUS\_UP  
MARSON\_FOXP3\_TARGETS\_UP, MARSON\_FOXP3\_TARGETS\_UP  
GTATGAT\_MIR154\_MIR487, GTATGAT\_MIR154\_MIR487  
MARIADASON\_REGULATED\_BY\_HISTONE\_ACETYLTATION\_DN, MARIADASON\_REGULATED\_BY\_HISTONE\_ACETYLTATION\_DN  
EIF4E\_DN, EIF4E\_DN  
GO\_INTRA\_GOLGI\_VESICLE\_MEDIATED\_TRANSPORT, GO\_INTRA\_GOLGI\_VESICLE\_MEDIATED\_TRANSPORT  
BILANGES\_SERUM\_SENSITIVE\_VIA\_TSC2, BILANGES\_SERUM\_SENSITIVE\_VIA\_TSC2  
GO\_MICROBODY, GO\_MICROBODY  
GO\_REGULATION\_OF\_TOR\_SIGNALING, GO\_REGULATION\_OF\_TOR\_SIGNALING  
SCHEIDEREIT\_IKK\_INTERACTING\_PROTEINS, SCHEIDEREIT\_IKK\_INTERACTING\_PROTEINS  
GSE25677\_MPL\_VS\_MPL\_AND\_R848\_STIM\_BCELL\_UP, GSE25677\_MPL\_VS\_MPL\_AND\_R848\_STIM\_BCELL\_UP  
MARTINEZ\_RESPONSE\_TO TRABECTEDIN, MARTINEZ\_RESPONSE\_TO TRABECTEDIN  
GSE25123\_CTRL\_VS\_IL4\_STIM\_PPARG\_KO\_MACROPHAGE\_DN, GSE25123\_CTRL\_VS\_IL4\_STIM\_PPARG\_KO\_MACROPHAGE\_DN  
KEGG\_NON\_SMALL\_CELL\_LUNG\_CANCER, KEGG\_NON\_SMALL\_CELL\_LUNG\_CANCER  
GO\_MONOCARBOXYLIC\_ACID\_CATABOLIC\_PROCESS, GO\_MONOCARBOXYLIC\_ACID\_CATABOLIC\_PROCESS  
GSE26023\_PHD3\_KO\_VS\_WT\_NEUTROPHIL\_HYPOXIA\_UP, GSE26023\_PHD3\_KO\_VS\_WT\_NEUTROPHIL\_HYPOXIA\_UP  
REACTOME\_CIRCADIAN\_CLOCK, REACTOME\_CIRCADIAN\_CLOCK  
GSE4984\_UNTREATED\_VS\_LPS\_TREATED\_DC\_UP, GSE4984\_UNTREATED\_VS\_LPS\_TREATED\_DC\_UP  
SCHAEFFER\_PROSTATE\_DEVELOPMENT\_AND\_CANCER\_BOX1\_UP, SCHAEFFER\_PROSTATE\_DEVELOPMENT\_AND\_CANCER\_BOX1\_UP  
GO\_ORGANELLE\_INHERITANCE, GO\_ORGANELLE\_INHERITANCE  
PID\_CD8\_TCR\_PATHWAY, PID\_CD8\_TCR\_PATHWAY  
GO\_REGULATION\_OF\_CELL\_SIZE, GO\_REGULATION\_OF\_CELL\_SIZE  
GO\_CELLULAR\_RESPONSE\_TO\_AMINO\_ACID\_STARVATION, GO\_CELLULAR\_RESPONSE\_TO\_AMINO\_ACID\_STARVATION  
GO\_PRENYLTRANSFERASE\_ACTIVITY, GO\_PRENYLTRANSFERASE\_ACTIVITY  
RORA2\_01, RORA2\_01  
GO\_NEGATIVE\_REGULATION\_OF\_TOR\_SIGNALING, GO\_NEGATIVE\_REGULATION\_OF\_TOR\_SIGNALING  
GO\_MICROBODY\_MEMBRANE, GO\_MICROBODY\_MEMBRANE  
GO\_CAMP\_RESPONSE\_ELEMENT\_BINDING, GO\_CAMP\_RESPONSE\_ELEMENT\_BINDING  
GSE339\_CD4POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_UP, GSE339\_CD4POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_UP  
BIOCARTA\_GPCR\_PATHWAY, BIOCARTA\_GPCR\_PATHWAY  
GO\_REGULATION\_OF\_RECEPTOR\_ACTIVITY, GO\_REGULATION\_OF\_RECEPTOR\_ACTIVITY  
GO\_MATURE\_B\_CELL\_DIFFERENTIATION\_INVOLVED\_IN\_IMMUNE\_RESPONSE, GO\_MATURE\_B\_CELL\_DIFFERENTIATION\_INVOLVED\_IN\_IMMUNE\_RESPONSE  
KLEIN\_PRIMARY\_EFFUSION\_LYMPHOMA\_DN, KLEIN\_PRIMARY\_EFFUSION\_LYMPHOMA\_DN  
GO\_NUCLEOSIDE\_BISPHOSPHATE\_METABOLIC\_PROCESS, GO\_NUCLEOSIDE\_BISPHOSPHATE\_METABOLIC\_PROCESS  
GO\_MICROBODY\_PART, GO\_MICROBODY\_PART  
KEGG\_VASOPRESSIN\_REGULATED\_WATER\_REABSORPTION, KEGG\_VASOPRESSIN\_REGULATED\_WATER\_REABSORPTION  
MEIS1BHOXA9\_01, MEIS1BHOXA9\_01  
PID\_RAS\_PATHWAY, PID\_RAS\_PATHWAY  
GO\_LEARNING, GO\_LEARNING  
GO\_COENZYME\_A\_METABOLIC\_PROCESS, GO\_COENZYME\_A\_METABOLIC\_PROCESS  
GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_10H\_DN, GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_10H\_DN  
KEGG\_VASCULAR\_SMOOTH\_MUSCLE\_CONTRACTION, KEGG\_VASCULAR\_SMOOTH\_MUSCLE\_CONTRACTION  
GSE15659\_NAIVE\_CD4\_TCELL\_VS\_NONSUPPRESSIVE\_TCELL\_DN, GSE15659\_NAIVE\_CD4\_TCELL\_VS\_NONSUPPRESSIVE\_TCELL\_DN  
KEGG\_FC\_EPSILON\_RI\_SIGNALING\_PATHWAY, KEGG\_FC\_EPSILON\_RI\_SIGNALING\_PATHWAY  
GO\_MATURE\_B\_CELL\_DIFFERENTIATION, GO\_MATURE\_B\_CELL\_DIFFERENTIATION  
KEGG\_GLYCEROPHOSPHOLIPID\_METABOLISM, KEGG\_GLYCEROPHOSPHOLIPID\_METABOLISM  
GO\_LIPID\_PHOSPHORYLTATION, GO\_LIPID\_PHOSPHORYLTATION  
REACTOME\_RORA\_ACTIVATES\_CIRCADIAN\_EXPRESSION, REACTOME\_RORA\_ACTIVATES\_CIRCADIAN\_EXPRESSION  
GO\_LYSOPHOSPHOLIPID\_ACYLTRANSFERASE\_ACTIVITY, GO\_LYSOPHOSPHOLIPID\_ACYLTRANSFERASE\_ACTIVITY  
KUNINGER\_IGF1\_VS\_PDGFB\_TARGETS\_DN, KUNINGER\_IGF1\_VS\_PDGFB\_TARGETS\_DN  
GO\_MICROBODY\_LUMEN, GO\_MICROBODY\_LUMEN  
BIOCARTA\_AGPCR\_PATHWAY, BIOCARTA\_AGPCR\_PATHWAY  
GO\_MODIFICATION\_OF\_MORPHOLOGY\_OR\_PHYSIOLOGY\_OF\_OTHER\_ORGANISM, GO\_MODIFICATION\_OF\_MORPHOLOGY\_OR\_PHYSIOLOGY\_OF\_OTHER\_ORGANISM  
GO\_ENDODEOXYRIBONUCLEASE\_ACTIVITY\_PRODUCING\_5\_PHOSPHOMONOESTERS, GO\_ENDODEOXYRIBONUCLEASE\_ACTIVITY\_PRODUCING\_5\_PHOSPHOMONOESTERS  
BIOCARTA\_CREB\_PATHWAY, BIOCARTA\_CREB\_PATHWAY  
GO\_ACYLGLYCEROL\_O\_ACYLTRANSFERASE\_ACTIVITY, GO\_ACYLGLYCEROL\_O\_ACYLTRANSFERASE\_ACTIVITY  
GO\_PROTEIN\_LOCALIZATION\_TO\_GOLGI\_APPARATUS, GO\_PROTEIN\_LOCALIZATION\_TO\_GOLGI\_APPARATUS  
GO\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_CH\_OH\_GROUP\_OF\_DONORS, GO\_OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_CH\_OH\_GROUP\_OF\_DONORS  
GCGCCTT\_MIR525\_MIR524, GCGCCTT\_MIR525\_MIR524  
REACTOME\_PEROXISOMAL\_LIPID\_METABOLISM, REACTOME\_PEROXISOMAL\_LIPID\_METABOLISM  
REACTOME\_MITOCHONDRIAL\_FATTY\_ACID\_BETA\_OXIDATION, REACTOME\_MITOCHONDRIAL\_FATTY\_ACID\_BETA\_OXIDATION  
EVII\_05, EVII\_05  
GO\_PHOSPHATIDIC\_ACID\_METABOLIC\_PROCESS, GO\_PHOSPHATIDIC\_ACID\_METABOLIC\_PROCESS  
REACTOME\_CIRCADIAN\_REPRESSION\_OF\_EXPRESSION\_BY\_REV\_ERBA, REACTOME\_CIRCADIAN\_REPRESSION\_OF\_EXPRESSION\_BY\_REV\_ERBA