

VS\_LEISHMANIA\_INF\_DC\_24H\_UP, GSE42088\_UNINF\_VS\_LEISHMANIA\_INF\_DC\_24H\_UP

GSE13411\_NAIVE\_VS\_SWITCHED\_MEMORY\_BCELL\_DN, GSE13411\_NAIVE\_VS\_SWITCHED\_MEMORY\_BCELL\_DN  
GSE29618\_MONOCYTE\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP, GSE29618\_MONOCYTE\_VS\_MDC\_DAY7\_FLU\_VACCINE\_UP  
GSE22432\_PDC\_VS\_TGFB1\_TREATEDCOMMON\_DC\_PROGENITOR\_DN, GSE22432\_PDC\_VS\_TGFB1\_TREATEDCOMMON\_DC\_PROGENITOR\_DN  
GSE2770\_TGFB\_AND\_IL4\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_DN, GSE2770\_TGFB\_AND\_IL4\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_DN  
GSE2770\_UNTREATED\_VS\_IL12\_TREATED\_ACT\_CD4\_TCELL\_2H\_UP, GSE2770\_UNTREATED\_VS\_IL12\_TREATED\_ACT\_CD4\_TCELL\_2H\_UP  
GSE41176\_WT\_VS\_TAK1\_KO\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN, GSE41176\_WT\_VS\_TAK1\_KO\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN  
GSE29618\_MONOCYTE\_VS\_MDC\_UP, GSE29618\_MONOCYTE\_VS\_MDC\_UP  
GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_2H\_DN, GSE2770\_IL12\_AND\_TGFB\_ACT\_VS\_ACT\_CD4\_TCELL\_2H\_DN  
GSE2770\_IL4\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_UP, GSE2770\_IL4\_ACT\_VS\_ACT\_CD4\_TCELL\_6H\_UP  
GSE22601\_IMMATURE\_CD4\_SINGLE\_POSITIVE\_VS\_CD8\_SINGLE\_POSITIVE\_THYMOCYTE\_UP, GSE22601\_IMMATURE\_CD4\_SINGLE\_POSITIVE\_THYMOCYTE\_UP  
GSE2770\_TGFB\_AND\_IL4\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_48H\_DN, GSE2770\_TGFB\_AND\_IL4\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_48H\_DN  
GSE2770\_TGFB\_AND\_IL4\_ACT\_VS\_ACT\_CD4\_TCELL\_48H\_DN, GSE2770\_TGFB\_AND\_IL4\_ACT\_VS\_ACT\_CD4\_TCELL\_48H\_DN  
GSE15330\_HSC\_VS\_GRANULOCYTE\_MONOCYTE\_PROGENITOR\_IKAROS\_KO\_DN, GSE15330\_HSC\_VS\_GRANULOCYTE\_MONOCYTE\_PROGENITOR\_IKAROS\_KO\_DN  
GSE40274\_CTRL\_VS\_FOXP3\_AND\_HELIOS\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP, GSE40274\_CTRL\_VS\_FOXP3\_AND\_HELIOS\_TRANSDUCED\_ACTIVATED\_CD4\_TCELL\_UP  
GSE21670\_STAT3\_KO\_VS\_WT\_CD4\_TCELL\_TGFB\_IL6\_TREATED\_DN, GSE21670\_STAT3\_KO\_VS\_WT\_CD4\_TCELL\_TGFB\_IL6\_TREATED\_DN  
GSE12366\_GC\_VS\_MEMORY\_BCELL\_DN, GSE12366\_GC\_VS\_MEMORY\_BCELL\_DN  
GSE42021\_CD24HI\_VS\_CD24INT\_TCONV\_THYMUS\_UP, GSE42021\_CD24HI\_VS\_CD24INT\_TCONV\_THYMUS\_UP  
GSE45739\_NRAS\_KO\_VS\_WT\_UNSTIM\_CD4\_TCELL\_DN, GSE45739\_NRAS\_KO\_VS\_WT\_UNSTIM\_CD4\_TCELL\_DN  
GSE22611\_NOD2\_TRANSDUCED\_VS\_CTRL\_HEK293T\_STIMULATED\_WITH\_MDP\_2H\_UP, GSE22611\_NOD2\_TRANSDUCED\_VS\_CTRL\_HEK293T\_STIMULATED\_WITH\_MDP\_2H\_UP  
GSE13484\_12H\_VS\_3H\_YF17D\_VACCINE\_STIM\_PBMCDN, GSE13484\_12H\_VS\_3H\_YF17D\_VACCINE\_STIM\_PBMCDN  
GSE27859\_DC\_VS\_CD11C\_INT\_F480\_INT\_DC\_UP, GSE27859\_DC\_VS\_CD11C\_INT\_F480\_INT\_DC\_UP  
GSE28726\_NAIVE\_VS\_ACTIVATED\_CD4\_TCELL\_UP, GSE28726\_NAIVE\_VS\_ACTIVATED\_CD4\_TCELL\_UP  
GSE1460\_CD4\_THYMOCYTE\_VS\_NAIVE\_CD4\_TCELL\_ADULT\_BLOOD\_DN, GSE1460\_CD4\_THYMOCYTE\_VS\_NAIVE\_CD4\_TCELL\_ADULT\_BLOOD\_DN  
GSE1460\_INTRATHYMIC\_T\_PROGENITOR\_VS\_NAIVE\_CD4\_TCELL\_ADULT\_BLOOD\_DN, GSE1460\_INTRATHYMIC\_T\_PROGENITOR\_VS\_NAIVE\_CD4\_TCELL\_ADULT\_BLOOD\_DN  
GSE12392\_WT\_VS\_IFNAR\_KO\_CD8A\_NEG\_SPLEEN\_DC\_UP, GSE12392\_WT\_VS\_IFNAR\_KO\_CD8A\_NEG\_SPLEEN\_DC\_UP  
GSE3920\_UNTREATED\_VS\_IFNB\_TREATED\_ENDOTHELIAL\_CELL\_UP, GSE3920\_UNTREATED\_VS\_IFNB\_TREATED\_ENDOTHELIAL\_CELL\_UP  
GSE43863\_DAY6\_EFF\_VS\_DAY150\_MEM\_TH1\_CD4\_TCELL\_UP, GSE43863\_DAY6\_EFF\_VS\_DAY150\_MEM\_TH1\_CD4\_TCELL\_UP  
GSE11057\_PBMCDN, GSE11057\_PBMCDN  
GNF2\_STAT6, GNF2\_STAT6  
STARK\_PREFRONTAL\_CORTEX\_22Q11\_DELETION\_UP, STARK\_PREFRONTAL\_CORTEX\_22Q11\_DELETION\_UP  
GOBP\_JNK\_CASCADE, GOBP\_JNK\_CASCADE  
GSE8921\_UNSTIM\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_UP, GSE8921\_UNSTIM\_VS\_TLR1\_2\_STIM\_MONOCYTE\_24H\_UP  
LAKE\_ADULT\_KIDNEY\_C27\_VASCULAR\_SMOOTH\_MUSCLE\_CELLS\_AND\_PERICYTES, LAKE\_ADULT\_KIDNEY\_C27\_VASCULAR\_SMOOTH\_MUSCLE\_CELLS\_AND\_PERICYTES  
GSE3920\_IFNA\_VS\_IFNG\_TREATED\_FIBROBLAST\_UP, GSE3920\_IFNA\_VS\_IFNG\_TREATED\_FIBROBLAST\_UP  
GSE3982\_MAST\_CELL\_VS\_NEUTROPHIL\_DN, GSE3982\_MAST\_CELL\_VS\_NEUTROPHIL\_DN  
PID\_ERBB1\_DOWNSTREAM\_PATHWAY, PID\_ERBB1\_DOWNSTREAM\_PATHWAY  
ZHENG\_CORD\_BLOOD\_C7\_PUTATIVE\_LYMPHOID\_PRIMED\_MULTIPOTENT\_PROGENITOR\_1, ZHENG\_CORD\_BLOOD\_C7\_PUTATIVE\_LYMPHOID\_PRIMED\_MULTIPOTENT\_PROGENITOR\_1  
GOBP\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE, GOBP\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE  
GSE17721\_LPS\_VS\_GARDIQUIMOD\_2H\_BMDC\_UP, GSE17721\_LPS\_VS\_GARDIQUIMOD\_2H\_BMDC\_UP  
GSE22611\_UNSTIM\_VS\_6H\_MDP\_STIM\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_DN, GSE22611\_UNSTIM\_VS\_6H\_MDP\_STIM\_MUTANT\_NOD2\_TRANSDUCED\_HEK293T\_CELL\_DN  
GSE3982\_EOSINOPHIL\_VS\_MAST\_CELL\_UP, GSE3982\_EOSINOPHIL\_VS\_MAST\_CELL\_UP  
GSE17721\_PAM3CSK4\_VS\_GADIQUIMOD\_0.5H\_BMDC\_UP, GSE17721\_PAM3CSK4\_VS\_GADIQUIMOD\_0.5H\_BMDC\_UP  
ZHENG\_CORD\_BLOOD\_C4\_PUTATIVE\_EARLY\_ERYTHROID\_COMMITMENT, ZHENG\_CORD\_BLOOD\_C4\_PUTATIVE\_EARLY\_ERYTHROID\_COMMITMENT  
GSE3982\_EOSINOPHIL\_VS\_BCELL\_UP, GSE3982\_EOSINOPHIL\_VS\_BCELL\_UP  
HP\_ABNORMAL\_CONJUNCTIVA\_MORPHOLOGY, HP\_ABNORMAL\_CONJUNCTIVA\_MORPHOLOGY  
RODRIGUES\_NTN1\_TARGETS\_DN, RODRIGUES\_NTN1\_TARGETS\_DN  
GSE3982\_DC\_VS\_NEUTROPHIL\_LPS\_STIM\_DN, GSE3982\_DC\_VS\_NEUTROPHIL\_LPS\_STIM\_DN  
GOBP\_REGULATION\_OF\_JNK\_CASCADE, GOBP\_REGULATION\_OF\_JNK\_CASCADE  
BROWNE\_HCMV\_INFECTION\_18HR\_DN, BROWNE\_HCMV\_INFECTION\_18HR\_DN  
GOBP\_POSITIVE\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE, GOBP\_POSITIVE\_REGULATION\_OF\_STRESS\_ACTIVATED\_PROTEIN\_KINASE\_SIGNALING\_CASCADE  
GSE43863\_TH1\_VS\_LY6C\_INT\_CXCR5POS\_MEMORY\_CD4\_TCELL\_DN, GSE43863\_TH1\_VS\_LY6C\_INT\_CXCR5POS\_MEMORY\_CD4\_TCELL\_DN  
GCNP\_SHH\_UP\_EARLY.V1\_DN, GCNP\_SHH\_UP\_EARLY.V1\_DN  
WP\_HIPPOMERLIN\_SIGNALING\_DYSREGULATION, WP\_HIPPOMERLIN\_SIGNALING\_DYSREGULATION  
CCCAGAG\_MIR326, CCCAGAG\_MIR326  
KEGG\_CELL\_ADHESION\_MOLECULES\_CAMS, KEGG\_CELL\_ADHESION\_MOLECULES\_CAMS  
MURARO\_PANCREAS\_PANCREATIC\_POLYPEPTIDE\_CELL, MURARO\_PANCREAS\_PANCREATIC\_POLYPEPTIDE\_CELL  
GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_1H\_UP, GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_1H\_UP  
JNK\_DN.V1\_UP, JNK\_DN.V1\_UP  
ISSAEVA\_MLL2\_TARGETS, ISSAEVA\_MLL2\_TARGETS  
GOBP\_ENDODERM\_FORMATION, GOBP\_ENDODERM\_FORMATION  
REACTOME\_INTERLEUKIN\_10\_SIGNALING, REACTOME\_INTERLEUKIN\_10\_SIGNALING  
P53\_DN.V2\_UP, P53\_DN.V2\_UP  
WILENSKY\_RESPONSE\_TO\_DARAPLADIB, WILENSKY\_RESPONSE\_TO\_DARAPLADIB  
NRL\_DN.V1\_UP, NRL\_DN.V1\_UP  
GSE17721\_CTRL\_VS\_PAM3CSK4\_1H\_BMDC\_DN, GSE17721\_CTRL\_VS\_PAM3CSK4\_1H\_BMDC\_DN  
MIR432\_3P, MIR432\_3P  
LINDVALL\_IMMORTALIZED\_BY\_TERT\_DN, LINDVALL\_IMMORTALIZED\_BY\_TERT\_DN  
BARRIER\_CANCER\_RELAPSE\_NORMAL\_SAMPLE\_DN, BARRIER\_CANCER\_RELAPSE\_NORMAL\_SAMPLE\_DN  
VALK\_AML\_CLUSTER\_5, VALK\_AML\_CLUSTER\_5  
FULLER\_PBMCDN, FULLER\_PBMCDN  
WP\_REGULATORY\_CIRCUITS\_OF\_THE\_STAT3\_SIGNALING\_PATHWAY, WP\_REGULATORY\_CIRCUITS\_OF\_THE\_STAT3\_SIGNALING\_PATHWAY  
GOBP\_RESPONSE\_TO\_CAMP, GOBP\_RESPONSE\_TO\_CAMP  
GSE17974\_IL4\_AND\_ANTI\_IL12\_VS\_UNTREATED\_2H\_ACT\_CD4\_TCELL\_DN, GSE17974\_IL4\_AND\_ANTI\_IL12\_VS\_UNTREATED\_2H\_ACT\_CD4\_TCELL\_DN  
GOBP\_ENDODERMAL\_CELL\_DIFFERENTIATION, GOBP\_ENDODERMAL\_CELL\_DIFFERENTIATION  
REACTOME\_INTEGRIN\_CELL\_SURFACE\_INTERACTIONS, REACTOME\_INTEGRIN\_CELL\_SURFACE\_INTERACTIONS  
ZIRN\_TRETINOIN\_RESPONSE\_WT1\_UP, ZIRN\_TRETINOIN\_RESPONSE\_WT1\_UP  
WANG\_BARRETTS\_ESOPHAGUS\_AND\_ESOPHAGUS\_CANCER\_DN, WANG\_BARRETTS\_ESOPHAGUS\_AND\_ESOPHAGUS\_CANCER\_DN  
DELACROIX\_RAR\_TARGETS\_UP, DELACROIX\_RAR\_TARGETS\_UP  
GOBP\_GLOMERULUS\_DEVELOPMENT, GOBP\_GLOMERULUS\_DEVELOPMENT  
KEGG\_INTESTINAL\_IMMUNE\_NETWORK\_FOR\_IGA\_PRODUCTION, KEGG\_INTESTINAL\_IMMUNE\_NETWORK\_FOR\_IGA\_PRODUCTION  
WP\_PREIMPLANTATION\_EMBRYO, WP\_PREIMPLANTATION\_EMBRYO  
WP\_TRANSCRIPTIONAL\_CASCADE\_REGULATING\_ADIPOGENESIS, WP\_TRANSCRIPTIONAL\_CASCADE\_REGULATING\_ADIPOGENESIS  
WP\_SRF\_AND\_MIRS\_IN\_SMOOTH\_MUSCLE\_DIFFERENTIATION\_AND\_PROLIFERATION, WP\_SRF\_AND\_MIRS\_IN\_SMOOTH\_MUSCLE\_DIFFERENTIATION\_AND\_PROLIFERATION  
GOMF\_POLYPEPTIDE\_N\_ACETYLGALACTOSAMINYLTRANSFERASE\_ACTIVITY, GOMF\_POLYPEPTIDE\_N\_ACETYLGALACTOSAMINYLTRANSFERASE\_ACTIVITY  
GOBP\_REGULATION\_OF\_AMPA\_RECEPTOR\_ACTIVITY, GOBP\_REGULATION\_OF\_AMPA\_RECEPTOR\_ACTIVITY  
WEST\_ADRENOCORTICAL\_TUMOR\_MARKERS\_DN, WEST\_ADRENOCORTICAL\_TUMOR\_MARKERS\_DN  
DAZARD\_UV\_RESPONSE\_CLUSTER\_G24, DAZARD\_UV\_RESPONSE\_CLUSTER\_G24  
HERNANDEZ\_MITOTIC\_ARREST\_BY\_DOCETAXEL\_2\_DN, HERNANDEZ\_MITOTIC\_ARREST\_BY\_DOCETAXEL\_2\_DN  
GOBP\_POSITIVE\_REGULATION\_OF\_GLYCOGEN\_METABOLIC\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_GLYCOGEN\_METABOLIC\_PROCESS  
GOBP\_MULTICELLULAR\_ORGANISMAL\_RESPONSE\_TO\_STRESS, GOBP\_MULTICELLULAR\_ORGANISMAL\_RESPONSE\_TO\_STRESS  
GOBP\_POSITIVE\_REGULATION\_OF\_SPROUTING\_ANGIOGENESIS, GOBP\_POSITIVE\_REGULATION\_OF\_SPROUTING\_ANGIOGENESIS  
LI\_PBMCDN, LI\_PBMCDN