

\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_CTRL\_VS\_48H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN

GSE16266\_CTRL\_VS\_HEATSHOCK\_AND\_LPS\_STIM\_MEF\_UP, GSE16266\_CTRL\_VS\_HEATSHOCK\_AND\_LPS\_STIM\_MEF\_UP  
GSE2770\_IL12\_ACT\_VS\_ACT\_CD4\_TCELL\_2H\_DN, GSE2770\_IL12\_ACT\_VS\_ACT\_CD4\_TCELL\_2H\_DN  
GSE37416\_CTRL\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_CTRL\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE40273\_EOS\_KO\_VS\_WT\_TREG\_UP, GSE40273\_EOS\_KO\_VS\_WT\_TREG\_UP  
GSE37416\_12H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_12H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE37416\_0H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_0H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE37416\_CTRL\_VS\_12H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_CTRL\_VS\_12H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE37416\_0H\_VS\_48H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_0H\_VS\_48H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE9006\_TYPE\_1\_VS\_TYPE\_2\_DIABETES\_PBMIC\_AT\_DX\_DN, GSE9006\_TYPE\_1\_VS\_TYPE\_2\_DIABETES\_PBMIC\_AT\_DX\_DN  
GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_4H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_4H\_BMDC\_DN  
GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_UP, GSE360\_L\_DONOVANI\_VS\_B\_MALAYI\_LOW\_DOSE\_MAC\_UP  
HALLMARK\_PROTEIN\_SECRETION, HALLMARK\_PROTEIN\_SECRETION  
GO\_ER\_TO\_GOLGI\_VESICLE\_MEDIATED\_TRANSPORT, GO\_ER\_TO\_GOLGI\_VESICLE\_MEDIATED\_TRANSPORT  
GSE18893\_CTRL\_VS\_TNF\_TREATED\_TCONV\_2H\_UP, GSE18893\_CTRL\_VS\_TNF\_TREATED\_TCONV\_2H\_UP  
GSE27786\_LIN\_NEG\_VS\_NEUTROPHIL\_DN, GSE27786\_LIN\_NEG\_VS\_NEUTROPHIL\_DN  
GO\_RESPONSE\_TO\_TOPOLOGICALLY\_INCORRECT\_PROTEIN, GO\_RESPONSE\_TO\_TOPOLOGICALLY\_INCORRECT\_PROTEIN  
GSE37416\_12H\_VS\_48H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_12H\_VS\_48H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE45365\_WT\_VS\_IFNAR\_KO\_CD8A\_DC\_DN, GSE45365\_WT\_VS\_IFNAR\_KO\_CD8A\_DC\_DN  
REACTOME\_MEMBRANE\_TRAFFICKING, REACTOME\_MEMBRANE\_TRAFFICKING  
GO\_CELLULAR\_RESPONSE\_TO\_TOPOLOGICALLY\_INCORRECT\_PROTEIN, GO\_CELLULAR\_RESPONSE\_TO\_TOPOLOGICALLY\_INCORRECT\_PROTEIN  
MORF\_UBE2A, MORF\_UBE2A  
GSE32255\_UNSTIM\_VS\_4H\_LPS\_STIM\_DC\_DN, GSE32255\_UNSTIM\_VS\_4H\_LPS\_STIM\_DC\_DN  
GSE17721\_LPS\_VS\_PAM3CSK4\_12H\_BMDC\_UP, GSE17721\_LPS\_VS\_PAM3CSK4\_12H\_BMDC\_UP  
GSE17301\_CTRL\_VS\_48H\_ACD3\_ACD28\_STIM\_CD8\_TCELL\_UP, GSE17301\_CTRL\_VS\_48H\_ACD3\_ACD28\_STIM\_CD8\_TCELL\_UP  
GSE12392\_CD8A\_POS\_VS\_NEG\_SPLEEN\_DC\_UP, GSE12392\_CD8A\_POS\_VS\_NEG\_SPLEEN\_DC\_UP  
GSE17721\_0.5H\_VS\_24H\_LPS\_BMDC\_DN, GSE17721\_0.5H\_VS\_24H\_LPS\_BMDC\_DN  
GSE17721\_0.5H\_VS\_12H\_LPS\_BMDC\_DN, GSE17721\_0.5H\_VS\_12H\_LPS\_BMDC\_DN  
GSE17721\_CPG\_VS\_GARDIQUIMOD\_4H\_BMDC\_UP, GSE17721\_CPG\_VS\_GARDIQUIMOD\_4H\_BMDC\_UP  
GSE37416\_CTRL\_VS\_6H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_CTRL\_VS\_6H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GO\_ERAD\_PATHWAY, GO\_ERAD\_PATHWAY  
GSE17721\_CTRL\_VS\_CPG\_8H\_BMDC\_DN, GSE17721\_CTRL\_VS\_CPG\_8H\_BMDC\_DN  
GSE46242\_TH1\_VS\_ANERGIC\_TH1\_CD4\_TCELL\_WITH\_EGR2\_DELETED\_UP, GSE46242\_TH1\_VS\_ANERGIC\_TH1\_CD4\_TCELL\_WITH\_EGR2\_DELETED\_UP  
GCATTG\_MIR105, GCATTG\_MIR105  
GO\_REGULATION\_OF\_RESPONSE\_TO\_EXTRACELLULAR\_STIMULUS, GO\_REGULATION\_OF\_RESPONSE\_TO\_EXTRACELLULAR\_STIMULUS  
GO\_INTRINSIC\_COMPONENT\_OF\_ENDOPLASMIC\_RETICULUM\_MEMBRANE, GO\_INTRINSIC\_COMPONENT\_OF\_ENDOPLASMIC\_RETICULUM\_MEMBRANE  
TARTE\_PLASMA\_CELL\_VS\_B\_LYMPHOCYTE\_UP, TARTE\_PLASMA\_CELL\_VS\_B\_LYMPHOCYTE\_UP  
GO\_ER\_ASSOCIATED\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS, GO\_ER\_ASSOCIATED\_UBIQUITIN\_DEPENDENT\_PROTEIN\_CATABOLIC\_PROCESS  
GO\_VESICLE\_COAT, GO\_VESICLE\_COAT  
GO\_ENDOPLASMIC\_RETICULUM\_GOLGI\_INTERMEDIATE\_COMPARTMENT, GO\_ENDOPLASMIC\_RETICULUM\_GOLGI\_INTERMEDIATE\_COMPARTMENT  
GSE26488\_WT\_VS\_VP16\_TRANSGENIC\_HDAC7\_KO\_DOUBLE\_POSITIVE\_THYMOCYTE\_UP, GSE26488\_WT\_VS\_VP16\_TRANSGENIC\_HDAC7\_KO\_DOUBLE\_POSITIVE\_THYMOCYTE\_UP  
GSE32423\_IL7\_VS\_IL7\_IL4\_MEMORY\_CD8\_TCELL\_DN, GSE32423\_IL7\_VS\_IL7\_IL4\_MEMORY\_CD8\_TCELL\_DN  
GO\_GOLGI\_ASSOCIATED\_VESICLE, GO\_GOLGI\_ASSOCIATED\_VESICLE  
GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD8POS\_DC\_DN, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD8POS\_DC\_DN  
GO\_COPL\_COATED\_VESICLE, GO\_COPL\_COATED\_VESICLE  
MORI\_PLASMA\_CELL\_UP, MORI\_PLASMA\_CELL\_UP  
GGAMTNNNNNTCCY\_UNKNOWN, GGAMTNNNNNTCCY\_UNKNOWN  
REACTOME\_GOLGI\_ASSOCIATED\_VESICLE\_BIOGENESIS, REACTOME\_GOLGI\_ASSOCIATED\_VESICLE\_BIOGENESIS  
GSE17721\_LPS\_VS\_CPG\_6H\_BMDC\_UP, GSE17721\_LPS\_VS\_CPG\_6H\_BMDC\_UP  
TTGGGAG\_MIR150, TTGGGAG\_MIR150  
GO\_COPL\_COATED\_VESICLE\_MEMBRANE, GO\_COPL\_COATED\_VESICLE\_MEMBRANE  
GSE360\_L\_MAJOR\_VS\_B\_MALAYI\_LOW\_DOSE\_DC\_UP, GSE360\_L\_MAJOR\_VS\_B\_MALAYI\_LOW\_DOSE\_DC\_UP  
REACTOME\_TRANS\_GOLGI\_NETWORK\_VESICLE\_BUDDING, REACTOME\_TRANS\_GOLGI\_NETWORK\_VESICLE\_BUDDING  
GSE22025\_PROGESTERONE\_VS\_TGFB1\_AND\_PROGESTERONE\_TREATED\_CD4\_TCELL\_DN, GSE22025\_PROGESTERONE\_VS\_TGFB1\_AND\_PROGESTERONE\_TREATED\_CD4\_TCELL\_DN  
GO\_RETROGRADE\_PROTEIN\_TRANSPORT\_ER\_TO\_CYTOSOL, GO\_RETROGRADE\_PROTEIN\_TRANSPORT\_ER\_TO\_CYTOSOL  
GO\_ENDOPLASMIC\_RETICULUM\_GOLGI\_INTERMEDIATE\_COMPARTMENT\_MEMBRANE, GO\_ENDOPLASMIC\_RETICULUM\_GOLGI\_INTERMEDIATE\_COMPARTMENT\_MEMBRANE  
GSE17721\_CTRL\_VS\_POLYIC\_8H\_BMDC\_DN, GSE17721\_CTRL\_VS\_POLYIC\_8H\_BMDC\_DN  
GENTILE\_UV\_RESPONSE\_CLUSTER\_D7, GENTILE\_UV\_RESPONSE\_CLUSTER\_D7  
GSE26488\_HDAC7\_KO\_VS\_VP16\_TRANSGENIC\_HDAC7\_KO\_DOUBLE\_POSITIVE\_THYMOCYTE\_DN, GSE26488\_HDAC7\_KO\_VS\_VP16\_TRANSGENIC\_HDAC7\_KO\_DOUBLE\_POSITIVE\_THYMOCYTE\_DN  
GO\_POSITIVE\_REGULATION\_OF\_AUTOPHAGY, GO\_POSITIVE\_REGULATION\_OF\_AUTOPHAGY  
GSE15930\_STIM\_VS\_STIM\_AND\_IFNAB\_24H\_CD8\_T\_CELL\_DN, GSE15930\_STIM\_VS\_STIM\_AND\_IFNAB\_24H\_CD8\_T\_CELL\_DN  
FLECHNER\_PBL\_KIDNEY\_TRANSPLANT\_OK\_VS\_DONOR\_DN, FLECHNER\_PBL\_KIDNEY\_TRANSPLANT\_OK\_VS\_DONOR\_DN  
GSE39820\_CTRL\_VS\_IL1B\_IL6\_CD4\_TCELL\_DN, GSE39820\_CTRL\_VS\_IL1B\_IL6\_CD4\_TCELL\_DN  
GSE2770\_TGFB\_AND\_IL4\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_2H\_DN, GSE2770\_TGFB\_AND\_IL4\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_2H\_DN  
KIM\_MYCN\_AMPLIFICATION\_TARGETS\_DN, KIM\_MYCN\_AMPLIFICATION\_TARGETS\_DN  
GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_TREATED\_CD4\_TCELL\_DN, GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_TREATED\_CD4\_TCELL\_DN  
NIKOLSKY\_BREAST\_CANCER\_8Q23\_Q24\_AMPLICON, NIKOLSKY\_BREAST\_CANCER\_8Q23\_Q24\_AMPLICON  
GSE20715\_0H\_VS\_24H\_OZONE\_LUNG\_DN, GSE20715\_0H\_VS\_24H\_OZONE\_LUNG\_DN  
chr8q24, chr8q24  
GSE43955\_10H\_VS\_30H\_ACT\_CD4\_TCELL\_WITH\_TGFB\_IL6\_UP, GSE43955\_10H\_VS\_30H\_ACT\_CD4\_TCELL\_WITH\_TGFB\_IL6\_UP  
GO\_COPL\_VESICLE\_COAT, GO\_COPL\_VESICLE\_COAT  
GSE27786\_NKCELL\_VS\_NEUTROPHIL\_DN, GSE27786\_NKCELL\_VS\_NEUTROPHIL\_DN  
GO\_ENDOPLASMIC\_RETICULUM\_TO\_CYTOSOL\_TRANSPORT, GO\_ENDOPLASMIC\_RETICULUM\_TO\_CYTOSOL\_TRANSPORT  
STARK\_HYPPOCAMPUS\_22Q11\_DELETION\_UP, STARK\_HYPPOCAMPUS\_22Q11\_DELETION\_UP  
KEGG\_PROTEIN\_EXPORT, KEGG\_PROTEIN\_EXPORT  
NRL\_DN.V1\_UP, NRL\_DN.V1\_UP  
HEIDENBLAD\_AMPLICON\_8Q24\_DN, HEIDENBLAD\_AMPLICON\_8Q24\_DN  
REACTOME\_COPL\_MEDIATED\_TRANSPORT, REACTOME\_COPL\_MEDIATED\_TRANSPORT  
GO\_REGULATION\_OF\_CHROMATIN\_BINDING, GO\_REGULATION\_OF\_CHROMATIN\_BINDING  
GO\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_ENDOPLASMIC\_RETICULUM\_STRESS, GO\_INTRINSIC\_APOPTOTIC\_SIGNALING\_PATHWAY\_IN\_RESPONSE\_TO\_ENDOPLASMIC\_RETICULUM\_STRESS  
KEGG\_VIBRIO\_CHOLERAЕ\_INFECTION, KEGG\_VIBRIO\_CHOLERAЕ\_INFECTION  
GO\_GOLGI\_ASSOCIATED\_VESICLE\_MEMBRANE, GO\_GOLGI\_ASSOCIATED\_VESICLE\_MEMBRANE  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_BLACK\_UP, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_BLACK\_UP  
GSE18893\_TCONV\_VS\_TREG\_2H\_TNF\_STIM\_UP, GSE18893\_TCONV\_VS\_TREG\_2H\_TNF\_STIM\_UP  
REACTOME\_CTNNB1\_PHOSPHORYLATION\_CASCADE, REACTOME\_CTNNB1\_PHOSPHORYLATION\_CASCADE  
GO\_POSITIVE\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_IN\_RESPONSE\_TO\_ENDOPLASMIC\_RETICULUM\_STRESS, GO\_POSITIVE\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_IN\_RESPONSE\_TO\_EN  
GO\_TRIVALENT\_INORGANIC\_CATION\_TRANSPORT, GO\_TRIVALENT\_INORGANIC\_CATION\_TRANSPORT  
KEGG\_GLYCOSPHINGOLIPID\_BIOSYNTHESIS\_GANGLIO\_SERIES, KEGG\_GLYCOSPHINGOLIPID\_BIOSYNTHESIS\_GANGLIO\_SERIES  
PID\_ECADHERIN\_NASCENT\_AJ\_PATHWAY, PID\_ECADHERIN\_NASCENT\_AJ\_PATHWAY  
PR\_02, PR\_02  
GO\_RETROMER\_COMPLEX, GO\_RETROMER\_COMPLEX  
GO\_ESTABLISHMENT\_OF\_ENDOTHELIAL\_BARRIER, GO\_ESTABLISHMENT\_OF\_ENDOTHELIAL\_BARRIER  
CTCAAGA\_MIR526B, CTCAAGA\_MIR526B  
GSE3203\_INFLUENZA\_INF\_VS\_IFNB\_TREATED\_LN\_BCELL\_UP, GSE3203\_INFLUENZA\_INF\_VS\_IFNB\_TREATED\_LN\_BCELL\_UP  
GO\_PH\_REDUCTION, GO\_PH\_REDUCTION  
KEGG\_EPITHELIAL\_CELL\_SIGNALING\_IN\_HELICOBACTER\_PYLORI\_INFECTION, KEGG\_EPITHELIAL\_CELL\_SIGNALING\_IN\_HELICOBACTER\_PYLORI\_INFECTION  
GCAAGGA\_MIR502, GCAAGGA\_MIR502  
PID\_NFKAPPAB\_ATYPICAL\_PATHWAY, PID\_NFKAPPAB\_ATYPICAL\_PATHWAY  
GSE3982\_CTRL\_VS\_LPS\_1H\_NEUTROPHIL\_DN, GSE3982\_CTRL\_VS\_LPS\_1H\_NEUTROPHIL\_DN  
OUILLETTE\_CLL\_13Q14\_DELETION\_DN, OUILLETTE\_CLL\_13Q14\_DELETION\_DN  
GO\_EPITHELIAL\_CELL\_DEVELOPMENT, GO\_EPITHELIAL\_CELL\_DEVELOPMENT  
REACTOME\_SIGNALING\_BY\_INSULIN\_RECEPTOR, REACTOME\_SIGNALING\_BY\_INSULIN\_RECEPTOR  
REACTOME\_ACTIVATION\_OF\_CHAPERONE\_GENES\_BY\_ATF6\_ALPHA, REACTOME\_ACTIVATION\_OF\_CHAPERONE\_GENES\_BY\_ATF6\_ALPHA  
GO\_PRE\_AUTOPHAGOSOMAL\_STRUCTURE, GO\_PRE\_AUTOPHAGOSOMAL\_STRUCTURE  
BIOCARTA\_RAB\_PATHWAY, BIOCARTA\_RAB\_PATHWAY  
REACTOME\_INSULIN\_RECEPTOR\_RECYCLING, REACTOME\_INSULIN\_RECEPTOR\_RECYCLING  
GO\_PROTON\_TRANSPORTING\_V\_TYPE\_ATPASE\_COMPLEX, GO\_PROTON\_TRANSPORTING\_V\_TYPE\_ATPASE\_COMPLEX  
PID\_BETA\_CATENIN\_DEG\_PATHWAY, PID\_BETA\_CATENIN\_DEG\_PATHWAY  
GO\_RETROGRADE\_TRANSPORT\_ENDOSOME\_TO\_PLASMA\_MEMBRANE, GO\_RETROGRADE\_TRANSPORT\_ENDOSOME\_TO\_PLASMA\_MEMBRANE  
GO\_PHAGOSOME\_ACIDIFICATION, GO\_PHAGOSOME\_ACIDIFICATION  
GO\_NEUTROPHIL\_MEDIATED\_IMMUNITY, GO\_NEUTROPHIL\_MEDIATED\_IMMUNITY  
GO\_MISFOLDED\_OR\_INCOMPLETELY\_SYNTHESIZED\_PROTEIN\_CATABOLIC\_PROCESS, GO\_MISFOLDED\_OR\_INCOMPLETELY\_SYNTHESIZED\_PROTEIN\_CATABOLIC\_PROCESS  
GO\_POSITIVE\_REGULATION\_OF\_ERYTHROCYTE\_DIFFERENTIATION, GO\_POSITIVE\_REGULATION\_OF\_ERYTHROCYTE\_DIFFERENTIATION  
LIU\_BREAST\_CANCER, LIU\_BREAST\_CANCER  
GO\_BETA\_CATENIN\_DESTRUCTION\_COMPLEX\_DISASSEMBLY, GO\_BETA\_CATENIN\_DESTRUCTION\_COMPLEX\_DISASSEMBLY  
GO\_SMAD\_BINDING, GO\_SMAD\_BINDING  
GO\_ENDOTHELIAL\_TUBE\_MORPHOGENESIS, GO\_ENDOTHELIAL\_TUBE\_MORPHOGENESIS  
KEGG\_GLYCOSPHINGOLIPID\_BIOSYNTHESIS\_GLOBO\_SERIES, KEGG\_GLYCOSPHINGOLIPID\_BIOSYNTHESIS\_GLOBO\_SERIES  
ACAACCT\_MIR453, ACAACCT\_MIR453