

**N\_WITH\_SYMBIONT, GO\_INTERACTION\_WITH\_SYMBIONT**

GSE13547\_2H\_VS\_12\_H\_ANTI\_IGM\_STIM\_BCELL\_UP, GSE13547\_2H\_VS\_12\_H\_ANTI\_IGM\_STIM\_BCELL\_UP  
GSE7548\_DAY7\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_DN, GSE7548\_DAY7\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_DN  
REACTOME\_APOPTOTIC\_EXECUTION\_PHASE, REACTOME\_APOPTOTIC\_EXECUTION\_PHASE  
REACTOME\_APOPTOTIC\_CLEAVAGE\_OF\_CELLULAR\_PROTEINS, REACTOME\_APOPTOTIC\_CLEAVAGE\_OF\_CELLULAR\_PROTEINS  
GSE17721\_PAM3CSK4\_VS\_CPG\_8H\_BMDC\_DN, GSE17721\_PAM3CSK4\_VS\_CPG\_8H\_BMDC\_DN  
PID\_FOXM1\_PATHWAY, PID\_FOXM1\_PATHWAY  
GO\_CELLULAR\_RESPONSE\_TO\_ACID\_CHEMICAL, GO\_CELLULAR\_RESPONSE\_TO\_ACID\_CHEMICAL  
GSE36476\_YOUNG\_VS\_OLD\_DONOR\_MEMORY\_CD4\_TCELL\_16H\_TSST\_ACT\_UP, GSE36476\_YOUNG\_VS\_OLD\_DONOR\_MEMORY\_CD4\_TCELL\_16H\_TSST\_ACT\_UP  
GO\_MODULATION\_OF\_TRANSCRIPTION\_IN\_OTHER\_ORGANISM\_INVOLVED\_IN\_SYMBIOTIC\_INTERACTION, GO\_MODULATION\_OF\_TRANSCRIPTION\_IN\_OTHER\_ORGANISM\_INVOLVED\_IN\_SYMBIOTIC  
HOSHIDA\_LIVER\_CANCER\_SUBCLASS\_S2, HOSHIDA\_LIVER\_CANCER\_SUBCLASS\_S2  
GO\_MODIFICATION\_OF\_MORPHOLOGY\_OR\_PHYSIOLOGY\_OF\_OTHER\_ORGANISM, GO\_MODIFICATION\_OF\_MORPHOLOGY\_OR\_PHYSIOLOGY\_OF\_OTHER\_ORGANISM  
GSE46606\_IRF4HIGH\_VS\_IRF4MID\_CD40L\_IL2\_IL5\_DAY3\_STIMULATED\_BCELL\_DN, GSE46606\_IRF4HIGH\_VS\_IRF4MID\_CD40L\_IL2\_IL5\_DAY3\_STIMULATED\_BCELL\_DN  
REACTOME\_APOPTOSIS, REACTOME\_APOPTOSIS  
GSE26351\_WNT\_VS\_BMP\_PATHWAY\_STIM\_HEMATOPOIETIC\_PROGENITORS\_UP, GSE26351\_WNT\_VS\_BMP\_PATHWAY\_STIM\_HEMATOPOIETIC\_PROGENITORS\_UP  
GSE37301\_MULTIPOTENT\_PROGENITOR\_VS\_GRAN\_MONO\_PROGENITOR\_UP, GSE37301\_MULTIPOTENT\_PROGENITOR\_VS\_GRAN\_MONO\_PROGENITOR\_UP  
GO\_RESPIRATORY\_SYSTEM\_DEVELOPMENT, GO\_RESPIRATORY\_SYSTEM\_DEVELOPMENT  
GSE18804\_SPLEEN\_MACROPHAGE\_VS\_COLON\_TUMORAL\_MACROPHAGE\_UP, GSE18804\_SPLEEN\_MACROPHAGE\_VS\_COLON\_TUMORAL\_MACROPHAGE\_UP  
GO\_REGULATION\_OF\_DNA\_TEMPLATED\_TRANSCRIPTION\_IN\_RESPONSE\_TO\_STRESS, GO\_REGULATION\_OF\_DNA\_TEMPLATED\_TRANSCRIPTION\_IN\_RESPONSE\_TO\_STRESS  
GO\_CARBOHYDRATE\_HOMEOSTASIS, GO\_CARBOHYDRATE\_HOMEOSTASIS  
GSE32901\_NAIVE\_VS\_TH17\_NEG\_CD4\_TCELL\_UP, GSE32901\_NAIVE\_VS\_TH17\_NEG\_CD4\_TCELL\_UP  
KEGG\_HUNTINGTONS\_DISEASE, KEGG\_HUNTINGTONS\_DISEASE  
REACTOME\_CASPASE\_MEDIATED\_CLEAVAGE\_OF\_CYTOSKELETAL\_PROTEINS, REACTOME\_CASPASE\_MEDIATED\_CLEAVAGE\_OF\_CYTOSKELETAL\_PROTEINS  
GO\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_IN\_RESPONSE\_TO\_HYPOXIA, GO\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_IN\_R  
AGGCACT\_MIR5153P, AGGCACT\_MIR5153P  
HEDENFALK\_BREAST\_CANCER\_BRACX\_DN, HEDENFALK\_BREAST\_CANCER\_BRACX\_DN  
GO\_RESPONSE\_TO\_ETHANOL, GO\_RESPONSE\_TO\_ETHANOL  
GO\_NUCLEOTIDE\_EXCISION\_REPAIR, GO\_NUCLEOTIDE\_EXCISION\_REPAIR  
GO\_PROTEIN\_ACETYLTATION, GO\_PROTEIN\_ACETYLTATION  
BIOCARTA\_HIVNEF\_PATHWAY, BIOCARTA\_HIVNEF\_PATHWAY  
KEGG\_MELANOGENESIS, KEGG\_MELANOGENESIS  
GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_60H\_UP, GSE43955\_TH0\_VS\_TGFB\_IL6\_TH17\_ACT\_CD4\_TCELL\_60H\_UP  
GO\_RESPONSE\_TO\_CORTICOSTEROID, GO\_RESPONSE\_TO\_CORTICOSTEROID  
BIOCARTA\_VDR\_PATHWAY, BIOCARTA\_VDR\_PATHWAY  
PID\_IL2\_STAT5\_PATHWAY, PID\_IL2\_STAT5\_PATHWAY