## GSE17721\_CTRL\_VS\_POLYIC\_12H\_BMDC\_UP, GSE17721\_CTRL\_VS\_POLYIC\_12H\_BMDC\_UP GSE17721\_CTRL\_VS\_GARDIQUIMOD\_6H\_BMDC\_UP, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_6H\_BMDC\_UP GSE6092\_B\_BURGDOFERI\_VS\_B\_BURGDORFERI\_AND\_IFNG\_STIM\_ENDOTHELIAL\_CELL\_UP, GSE6092\_B\_BURGDOFERI\_VS\_B\_BURGDORFERI\_AND\_IFNG\_STIM\_ENDOTHELIAL\_C GSE17721\_0.5H\_VS\_24H\_POLYIC\_BMDC\_DN, GSE17721\_0.5H\_VS\_24H\_POLYIC\_BMDC\_DN GSE557\_WT\_VS\_CIITA\_KO\_DC\_UP, GSE557\_WT\_VS\_CIITA\_KO\_DC\_UP GSE17721\_CTRL\_VS\_PAM3CSK4\_0.5H\_BMDC\_UP, GSE17721\_CTRL\_VS\_PAM3CSK4\_0.5H\_BMDC\_UP GSE17721\_LPS\_VS\_POLYIC\_6H\_BMDC\_DN, GSE17721\_LPS\_VS\_POLYIC\_6H\_BMDC\_DN GSE17721\_CTRL\_VS\_CPG\_8H\_BMDC\_UP, GSE17721\_CTRL\_VS\_CPG\_8H\_BMDC\_UP GSE17721\_CTRL\_VS\_PAM3CSK4\_4H\_BMDC\_UP, GSE17721\_CTRL\_VS\_PAM3CSK4\_4H\_BMDC\_UP GSE17721\_CTRL\_VS\_GARDIQUIMOD\_24H\_BMDC\_UP, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_24H\_BMDC\_UP GSE7509\_DC\_VS\_MONOCYTE\_UP, GSE7509\_DC\_VS\_MONOCYTE\_UP KAECH\_NAIVE\_VS\_MEMORY\_CD8\_TCELL\_UP, KAECH\_NAIVE\_VS\_MEMORY\_CD8\_TCELL\_UP GSE17721\_CTRL\_VS\_POLYIC\_1H\_BMDC\_UP, GSE17721\_CTRL\_VS\_POLYIC\_1H\_BMDC\_UP GSE20366\_EX\_VIVO\_VS\_DEC205\_CONVERSION\_UP, GSE20366\_EX\_VIVO\_VS\_DEC205\_CONVERSION\_UP GSE6259\_33D1\_POS\_VS\_DEC205\_POS\_FLT3L\_INDUCED\_SPLENIC\_DC\_DN, GSE6259\_33D1\_POS\_VS\_DEC205\_POS\_FLT3L\_INDUCED\_SPLENIC\_DC\_DN GSE17721\_CPG\_VS\_GARDIQUIMOD\_24H\_BMDC\_UP, GSE17721\_CPG\_VS\_GARDIQUIMOD\_24H\_BMDC\_UP GSE19198 CTRL VS IL21 TREATED TCELL 24H DN, GSE19198 CTRL VS IL21 TREATED TCELL 24H DN GSE2770\_UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_UP, GSE2770\_UNTREATED\_VS\_IL4\_TREATED\_ACT\_CD4\_TCELL\_48H\_UP GSE17721\_CPG\_VS\_GARDIQUIMOD\_24H\_BMDC\_DN, GSE17721\_CPG\_VS\_GARDIQUIMOD\_24H\_BMDC\_DN GSE17721\_LPS\_VS\_POLYIC\_16H\_BMDC\_DN, GSE17721\_LPS\_VS\_POLYIC\_16H\_BMDC\_DN GSE7831\_UNSTIM\_VS\_INFLUENZA\_STIM\_PDC\_4H\_DN, GSE7831\_UNSTIM\_VS\_INFLUENZA\_STIM\_PDC\_4H\_DN GSE17721\_CTRL\_VS\_GARDIQUIMOD\_1H\_BMDC\_UP, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_1H\_BMDC\_UP GSE36527\_CD62L\_HIGH\_CD69\_NEG\_VS\_CD62L\_LOW\_CD69\_POS\_TREG\_KLRG1\_NEG\_UP, GSE36527\_CD62L\_HIGH\_CD69\_NEG\_VS\_CD62L\_LOW\_CD69\_POS\_TREG\_KLRG1\_NEG\_UP GSE12845\_IGD\_NEG\_BLOOD\_VS\_PRE\_GC\_TONSIL\_BCELL\_UP, GSE12845\_IGD\_NEG\_BLOOD\_VS\_PRE\_GC\_TONSIL\_BCELL\_UP GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_DN, GSE11961\_MEMORY\_BCELL\_DAY7\_VS\_PLASMA\_CELL\_DAY7\_DN GSE6674\_UNSTIM\_VS\_CPG\_STIM\_BCELL\_DN, GSE6674\_UNSTIM\_VS\_CPG\_STIM\_BCELL\_DN GSE7219\_UNSTIM\_VS\_LPS\_AND\_ANTI\_CD40\_STIM\_DC\_UP, GSE7219\_UNSTIM\_VS\_LPS\_AND\_ANTI\_CD40\_STIM\_DC\_UP GSE37301\_PRO\_BCELL\_VS\_GRANULOCYTE\_MONOCYTE\_PROGENITOR\_DN, GSE37301\_PRO\_BCELL\_VS\_GRANULOCYTE\_MONOCYTE\_PROGENITOR\_DN GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_GERMINAL\_CENTER\_BCELL\_DAY40\_DN, GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_GERMINAL\_CENTER\_BCELL\_DAY40\_DN GSE10147\_IL3\_AND\_HIVP17\_VS\_IL3\_AND\_CPG\_STIM\_PDC\_DN, GSE10147\_IL3\_AND\_HIVP17\_VS\_IL3\_AND\_CPG\_STIM\_PDC\_DN GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_GERMINAL\_CENTER\_BCELL\_DAY7\_UP, GSE11961\_MARGINAL\_ZONE\_BCELL\_VS\_GERMINAL\_CENTER\_BCELL\_DAY7\_UP GSE6259\_FLT3L\_INDUCED\_DEC205\_POS\_DC\_VS\_CD8\_TCELL\_UP, GSE6259\_FLT3L\_INDUCED\_DEC205\_POS\_DC\_VS\_CD8\_TCELL\_UP GSE46606\_UNSTIM\_VS\_CD40L\_IL2\_IL5\_DAY3\_STIMULATED\_BCELL\_UP, GSE46606\_UNSTIM\_VS\_CD40L\_IL2\_IL5\_DAY3\_STIMULATED\_BCELL\_UP GSE8835\_CD4\_VS\_CD8\_TCELL\_CLL\_PATIENT\_DN, GSE8835\_CD4\_VS\_CD8\_TCELL\_CLL\_PATIENT\_DN GSE11057\_EFF\_MEM\_VS\_CENT\_MEM\_CD4\_TCELL\_DN, GSE11057\_EFF\_MEM\_VS\_CENT\_MEM\_CD4\_TCELL\_DN GSE11961\_MEMORY\_BCELL\_DAY40\_VS\_GERMINAL\_CENTER\_BCELL\_DAY40\_UP, GSE11961\_MEMORY\_BCELL\_DAY40\_VS\_GERMINAL\_CENTER\_BCELL\_DAY40\_UP GSE3982\_DC\_VS\_TH2\_UP, GSE3982\_DC\_VS\_TH2\_UP GSE5589\_LPS\_AND\_IL10\_VS\_LPS\_AND\_IL6\_STIM\_IL10\_KO\_MACROPHAGE\_45MIN\_UP, GSE5589\_LPS\_AND\_IL10\_VS\_LPS\_AND\_IL6\_STIM\_IL10\_KO\_MACROPHAGE\_45MIN\_UP GOBP\_MOVEMENT\_IN\_HOST\_ENVIRONMENT, GOBP\_MOVEMENT\_IN\_HOST\_ENVIRONMENT GOBP ENTRY INTO HOST, GOBP ENTRY INTO HOST ZHANG\_BREAST\_CANCER\_PROGENITORS\_DN, ZHANG\_BREAST\_CANCER\_PROGENITORS\_DN HP\_ABSENT\_SEPTUM\_PELLUCIDUM, HP\_ABSENT\_SEPTUM\_PELLUCIDUM HP\_NASOGASTRIC\_TUBE\_FEEDING, HP\_NASOGASTRIC\_TUBE\_FEEDING COULOUARN\_TEMPORAL\_TGFB1\_SIGNATURE\_DN, COULOUARN\_TEMPORAL\_TGFB1\_SIGNATURE\_DN HESS TARGETS OF HOXA9 AND MEIS1 DN, HESS TARGETS OF HOXA9 AND MEIS1 DN HP\_LARGE\_BASAL\_GANGLIA, HP\_LARGE\_BASAL\_GANGLIA GSE15930\_NAIVE\_VS\_24H\_IN\_VITRO\_STIM\_INFAB\_CD8\_TCELL\_UP, GSE15930\_NAIVE\_VS\_24H\_IN\_VITRO\_STIM\_INFAB\_CD8\_TCELL\_UP GSE30971\_2H\_VS\_4H\_LPS\_STIM\_MACROPHAGE\_WBP7\_KO\_DN, GSE30971\_2H\_VS\_4H\_LPS\_STIM\_MACROPHAGE\_WBP7\_KO\_DN GOBP\_FATTY\_ACID\_TRANSPORT, GOBP\_FATTY\_ACID\_TRANSPORT HP\_HYPERLIPIDEMIA, HP\_HYPERLIPIDEMIA GOBP\_CELLULAR\_ALDEHYDE\_METABOLIC\_PROCESS, GOBP\_CELLULAR\_ALDEHYDE\_METABOLIC\_PROCESS LIU\_PROSTATE\_CANCER\_UP, LIU\_PROSTATE\_CANCER\_UP MIR33A\_5P\_MIR33B\_5P, MIR33A\_5P\_MIR33B\_5P CCAWNWWNNNGGC\_UNKNOWN, CCAWNWWNNNGGC\_UNKNOWN GOMF\_MONOSACCHARIDE\_BINDING, GOMF\_MONOSACCHARIDE\_BINDING LEE\_NEURAL\_CREST\_STEM\_CELL\_UP, LEE\_NEURAL\_CREST\_STEM\_CELL\_UP MIR892B, MIR892B MIR517\_5P, MIR517\_5P GROSS\_HYPOXIA\_VIA\_HIF1A\_DN, GROSS\_HYPOXIA\_VIA\_HIF1A\_DN GOBP\_MITOTIC\_CYTOKINETIC\_PROCESS, GOBP\_MITOTIC\_CYTOKINETIC\_PROCESS GSE25088\_CTRL\_VS\_IL4\_STIM\_STAT6\_KO\_MACROPHAGE\_UP, GSE25088\_CTRL\_VS\_IL4\_STIM\_STAT6\_KO\_MACROPHAGE\_UP PID\_ERBB1\_INTERNALIZATION\_PATHWAY, PID\_ERBB1\_INTERNALIZATION\_PATHWAY HP\_ABNORMALITY\_OF\_THE\_COAGULATION\_CASCADE, HP\_ABNORMALITY\_OF\_THE\_COAGULATION\_CASCADE AIZARANI\_LIVER\_C24\_EPCAM\_POS\_BILE\_DUCT\_CELLS\_3, AIZARANI\_LIVER\_C24\_EPCAM\_POS\_BILE\_DUCT\_CELLS\_3 HP\_ARTERIOSCLEROSIS, HP\_ARTERIOSCLEROSIS GOCC\_CORTICAL\_CYTOSKELETON, GOCC\_CORTICAL\_CYTOSKELETON HP\_IMPAIRED\_TACTILE\_SENSATION, HP\_IMPAIRED\_TACTILE\_SENSATION REACTOME\_SYNTHESIS\_OF\_BILE\_ACIDS\_AND\_BILE\_SALTS, REACTOME\_SYNTHESIS\_OF\_BILE\_ACIDS\_AND\_BILE\_SALTS WP\_METAPATHWAY\_BIOTRANSFORMATION\_PHASE\_I\_AND\_II, WP\_METAPATHWAY\_BIOTRANSFORMATION\_PHASE\_I\_AND\_II GOBP\_CELL\_JUNCTION\_DISASSEMBLY, GOBP\_CELL\_JUNCTION\_DISASSEMBLY WP\_IRON\_METABOLISM\_IN\_PLACENTA, WP\_IRON\_METABOLISM\_IN\_PLACENTA HP\_SKIN\_EROSION, HP\_SKIN\_EROSION HP\_EMG\_MYOPATHIC\_ABNORMALITIES, HP\_EMG\_MYOPATHIC\_ABNORMALITIES SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_MEDIUM\_HIGH\_ADVERSE\_EVENT\_SUBJECTS\_1DY\_UP, SOBOLEV\_PBMC\_PANDEMRIX\_AGE\_18\_64YO\_MEDIUM\_HIGH\_ADVERSE\_E GOBP\_MIDBODY\_ABSCISSION, GOBP\_MIDBODY\_ABSCISSION HP\_BILATERAL\_TALIPES\_EQUINOVARUS, HP\_BILATERAL\_TALIPES\_EQUINOVARUS GSE4142\_NAIVE\_VS\_MEMORY\_BCELL\_DN, GSE4142\_NAIVE\_VS\_MEMORY\_BCELL\_DN TURASHVILI\_BREAST\_CARCINOMA\_DUCTAL\_VS\_LOBULAR\_UP, TURASHVILI\_BREAST\_CARCINOMA\_DUCTAL\_VS\_LOBULAR\_UP AR\_02, AR\_02 BIOCARTA\_SKP2E2F\_PATHWAY, BIOCARTA\_SKP2E2F\_PATHWAY GOMF\_LIGAND\_GATED\_CALCIUM\_CHANNEL\_ACTIVITY, GOMF\_LIGAND\_GATED\_CALCIUM\_CHANNEL\_ACTIVITY REACTOME\_NICOTINAMIDE\_SALVAGING, REACTOME\_NICOTINAMIDE\_SALVAGING WANG\_LSD1\_TARGETS\_UP, WANG\_LSD1\_TARGETS\_UP OSADA\_ASCL1\_TARGETS\_DN, OSADA\_ASCL1\_TARGETS\_DN MIR3657, MIR3657 HP\_ABNORMAL\_CORONARY\_ARTERY\_MORPHOLOGY, HP\_ABNORMAL\_CORONARY\_ARTERY\_MORPHOLOGY HP\_ABNORMAL\_CIRCULATING\_AROMATIC\_AMINO\_ACID\_CONCENTRATION, HP\_ABNORMAL\_CIRCULATING\_AROMATIC\_AMINO\_ACID\_CONCENTRATION GOBP\_NAD\_BIOSYNTHESIS\_VIA\_NICOTINAMIDE\_RIBOSIDE\_SALVAGE\_PATHWAY, GOBP\_NAD\_BIOSYNTHESIS\_VIA\_NICOTINAMIDE\_RIBOSIDE\_SALVAGE\_PATHWAY BLANCO\_MELO\_BRONCHIAL\_EPITHELIAL\_CELLS\_INFLUENZA\_A\_INFECTION\_DN, BLANCO\_MELO\_BRONCHIAL\_EPITHELIAL\_CELLS\_INFLUENZA\_A\_INFECTION\_DN GAUSSMANN\_MLL\_AF4\_FUSION\_TARGETS\_F\_DN, GAUSSMANN\_MLL\_AF4\_FUSION\_TARGETS\_F\_DN GOBP\_POSITIVE\_REGULATION\_OF\_GLUCOSE\_IMPORT, GOBP\_POSITIVE\_REGULATION\_OF\_GLUCOSE\_IMPORT

GSE17721\_CTRL\_VS\_LPS\_8H\_BMDC\_UP, GSE17721\_CTRL\_VS\_LPS\_8H\_BMDC\_UP

GSE17721\_0.5H\_VS\_8H\_CPG\_BMDC\_UP, GSE17721\_0.5H\_VS\_8H\_CPG\_BMDC\_UP

GOBP LIPID TRANSLOCATION, GOBP LIPID TRANSLOCATION

HP DECREASED HDL CHOLESTEROL CONCENTRATION, HP DECREASED HDL CHOLESTEROL CONCENTRATION

GSE17721\_CTRL\_VS\_POLYIC\_6H\_BMDC\_UP, GSE17721\_CTRL\_VS\_POLYIC\_6H\_BMDC\_UP

GSE17721\_CTRL\_VS\_GARDIQUIMOD\_4H\_BMDC\_UP, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_4H\_BMDC\_UP

GSE28737\_FOLLICULAR\_VS\_MARGINAL\_ZONE\_BCELL\_UP, GSE28737\_FOLLICULAR\_VS\_MARGINAL\_ZONE\_BCELL\_UP

ARDIQUIMOD\_8H\_BMDC\_UP, GSE17721\_CTRL\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP