

RDIIQUIMOD\_1H\_BMDC\_DN, GSE17721\_CPG\_VS\_GARDIIQUIMOD\_1H\_BMDC\_DN

GSE17721\_LPS\_VS\_CPG\_8H\_BMDC\_DN, GSE17721\_LPS\_VS\_CPG\_8H\_BMDC\_DN  
GSE23308\_CTRL\_VS\_CORTICOSTERONE\_TREATED\_MACROPHAGE\_MINERALCORTICOID\_REC\_KO\_UP, GSE23308\_CTRL\_VS\_CORTICOSTERONE\_TREATED\_MACROPHAGE\_MINERALCORTICOID\_REC\_KO\_UP  
GSE17721\_LPS\_VS\_POLYIC\_4H\_BMDC\_DN, GSE17721\_LPS\_VS\_POLYIC\_4H\_BMDC\_DN  
GSE17721\_12H\_VS\_24H\_POLYIC\_BMDC\_DN, GSE17721\_12H\_VS\_24H\_POLYIC\_BMDC\_DN  
GSE17721\_POLYIC\_VS\_CPG\_4H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_CPG\_4H\_BMDC\_UP  
GSE17721\_12H\_VS\_24H\_LPS\_BMDC\_DN, GSE17721\_12H\_VS\_24H\_LPS\_BMDC\_DN  
GSE17721\_CTRL\_VS\_CPG\_1H\_BMDC\_UP, GSE17721\_CTRL\_VS\_CPG\_1H\_BMDC\_UP  
GSE17721\_LPS\_VS\_PAM3CSK4\_12H\_BMDC\_DN, GSE17721\_LPS\_VS\_PAM3CSK4\_12H\_BMDC\_DN  
GSE17721\_LPS\_VS\_CPG\_1H\_BMDC\_UP, GSE17721\_LPS\_VS\_CPG\_1H\_BMDC\_UP  
GSE339\_CD4POS\_VS\_CD8POS\_DC\_DN, GSE339\_CD4POS\_VS\_CD8POS\_DC\_DN  
GSE17721\_POLYIC\_VS\_CPG\_1H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_CPG\_1H\_BMDC\_UP  
GSE17721\_POLYIC\_VS\_GARDIIQUIMOD\_1H\_BMDC\_DN, GSE17721\_POLYIC\_VS\_GARDIIQUIMOD\_1H\_BMDC\_DN  
GSE8921\_UNSTIM\_VS\_TLR1\_2\_STIM\_MONOCYTE\_6H\_UP, GSE8921\_UNSTIM\_VS\_TLR1\_2\_STIM\_MONOCYTE\_6H\_UP  
GSE17721\_CPG\_VS\_GARDIIQUIMOD\_12H\_BMDC\_DN, GSE17721\_CPG\_VS\_GARDIIQUIMOD\_12H\_BMDC\_DN  
GSE17721\_CTRL\_VS\_POLYIC\_2H\_BMDC\_UP, GSE17721\_CTRL\_VS\_POLYIC\_2H\_BMDC\_UP  
GSE15330\_LYMPHOID\_MULTIPOTENT\_VS\_GRANULOCYTE\_MONOCYTE\_PROGENITOR\_UP, GSE15330\_LYMPHOID\_MULTIPOTENT\_VS\_GRANULOCYTE\_MONOCYTE\_PROGENITOR\_UP  
GSE27786\_CD8\_TCELL\_VS\_NKTCELL\_UP, GSE27786\_CD8\_TCELL\_VS\_NKTCELL\_UP  
GSE17721\_PAM3CSK4\_VS\_CPG\_1H\_BMDC\_UP, GSE17721\_PAM3CSK4\_VS\_CPG\_1H\_BMDC\_UP  
GSE360\_L\_MAJOR\_VS\_M\_TUBERCULOSIS\_DC\_UP, GSE360\_L\_MAJOR\_VS\_M\_TUBERCULOSIS\_DC\_UP  
GAZDA\_DIAMOND\_BLACKFAN\_ANEMIA\_PROGENITOR\_DN, GAZDA\_DIAMOND\_BLACKFAN\_ANEMIA\_PROGENITOR\_DN  
GSE43955\_1H\_VS\_60H\_ACT\_CD4\_TCELL\_DN, GSE43955\_1H\_VS\_60H\_ACT\_CD4\_TCELL\_DN  
GOBP\_POSITIVE\_REGULATION\_OF\_HEMOPOIESIS, GOBP\_POSITIVE\_REGULATION\_OF\_HEMOPOIESIS  
NAKAMURA\_ADIPOGENESIS\_LATE\_UP, NAKAMURA\_ADIPOGENESIS\_LATE\_UP  
SIRNA\_EIF4G1\_DN, SIRNA\_EIF4G1\_DN  
GSE41978\_WT\_VS\_BIM\_KO\_KLRG1\_LOW\_EFFECTOR\_CD8\_TCELL\_DN, GSE41978\_WT\_VS\_BIM\_KO\_KLRG1\_LOW\_EFFECTOR\_CD8\_TCELL\_DN  
MIR3944\_5P, MIR3944\_5P  
GOBP\_POLYOL\_METABOLIC\_PROCESS, GOBP\_POLYOL\_METABOLIC\_PROCESS  
HP\_AORTIC\_REGURGITATION, HP\_AORTIC\_REGURGITATION  
HP\_ABNORMAL\_MITRAL\_VALVE\_MORPHOLOGY, HP\_ABNORMAL\_MITRAL\_VALVE\_MORPHOLOGY  
GSE339\_CD4POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_DN, GSE339\_CD4POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_DN  
HP\_FIBROUS\_TISSUE\_NEOPLASM, HP\_FIBROUS\_TISSUE\_NEOPLASM  
GOBP\_POSITIVE\_REGULATION\_OF\_LYMPHOCYTE\_DIFFERENTIATION, GOBP\_POSITIVE\_REGULATION\_OF\_LYMPHOCYTE\_DIFFERENTIATION  
MIR4804\_3P, MIR4804\_3P  
WP\_THERMOGENESIS, WP\_THERMOGENESIS  
MIR4766\_3P, MIR4766\_3P  
GSE32423\_CTRL\_VS\_IL7\_MEMORY\_CD8\_TCELL\_DN, GSE32423\_CTRL\_VS\_IL7\_MEMORY\_CD8\_TCELL\_DN  
WP\_KIT\_RECEPTOR\_SIGNALING\_PATHWAY, WP\_KIT\_RECEPTOR\_SIGNALING\_PATHWAY  
HP\_STOMATITIS, HP\_STOMATITIS  
MIR135B\_3P, MIR135B\_3P  
MIR135A\_2\_3P, MIR135A\_2\_3P  
MIR6742\_3P, MIR6742\_3P  
MIR3116, MIR3116  
HP\_INCREASED\_INTRACRANIAL\_PRESSURE, HP\_INCREASED\_INTRACRANIAL\_PRESSURE  
MIR6511A\_3P\_MIR6511B\_3P, MIR6511A\_3P\_MIR6511B\_3P  
GSE3982\_MAST\_CELL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN, GSE3982\_MAST\_CELL\_VS\_EFF\_MEMORY\_CD4\_TCELL\_DN  
SCHAEFFER\_PROSTATE\_DEVELOPMENT\_12HR\_UP, SCHAEFFER\_PROSTATE\_DEVELOPMENT\_12HR\_UP  
MIR4664\_5P, MIR4664\_5P  
MIR6529\_5P, MIR6529\_5P  
HP\_ASPIRATION\_PNEUMONIA, HP\_ASPIRATION\_PNEUMONIA  
NIKOLSKY\_BREAST\_CANCER\_1Q21\_AMPPLICON, NIKOLSKY\_BREAST\_CANCER\_1Q21\_AMPPLICON  
GOCC\_PRESYNAPTIC\_ACTIVE\_ZONE\_MEMBRANE, GOCC\_PRESYNAPTIC\_ACTIVE\_ZONE\_MEMBRANE  
MIR6892\_3P, MIR6892\_3P  
GOBP\_FATTY\_ACID\_DERIVATIVE\_BIOSYNTHETIC\_PROCESS, GOBP\_FATTY\_ACID\_DERIVATIVE\_BIOSYNTHETIC\_PROCESS  
MIR4686, MIR4686  
MIR4761\_5P, MIR4761\_5P  
GOBP\_POST\_EMBRYONIC\_DEVELOPMENT, GOBP\_POST\_EMBRYONIC\_DEVELOPMENT  
GOMF\_METALLOPEPTIDASE\_ACTIVITY, GOMF\_METALLOPEPTIDASE\_ACTIVITY  
MIR621, MIR621  
STAT3\_01, STAT3\_01  
GOBP\_NEGATIVE\_REGULATION\_OF\_TRANSLATIONAL\_INITIATION, GOBP\_NEGATIVE\_REGULATION\_OF\_TRANSLATIONAL\_INITIATION  
KEGG\_GLYCEROPHOSPHOLIPID\_METABOLISM, KEGG\_GLYCEROPHOSPHOLIPID\_METABOLISM  
GOBP\_LUNG\_MORPHOGENESIS, GOBP\_LUNG\_MORPHOGENESIS  
HP\_ABNORMALITY\_OF\_THE\_SELLA\_TURCICA, HP\_ABNORMALITY\_OF\_THE\_SELLA\_TURCICA  
HP\_OROFACIAL\_DYSKINESIA, HP\_OROFACIAL\_DYSKINESIA  
CYCLIN\_D1\_KE\_V1\_DN, CYCLIN\_D1\_KE\_V1\_DN  
HP\_ABNORMAL\_LUMBAR\_SPINE\_MORPHOLOGY, HP\_ABNORMAL\_LUMBAR\_SPINE\_MORPHOLOGY  
BIOCARTA\_ERK5\_PATHWAY, BIOCARTA\_ERK5\_PATHWAY  
REACTOME\_TIE2\_SIGNALING, REACTOME\_TIE2\_SIGNALING  
HP\_ABNORMAL\_BLOOD\_PHOSPHATE\_CONCENTRATION, HP\_ABNORMAL\_BLOOD\_PHOSPHATE\_CONCENTRATION  
HP\_ABNORMALITY\_OF\_BLOOD\_VOLUME\_HOMEOSTASIS, HP\_ABNORMALITY\_OF\_BLOOD\_VOLUME\_HOMEOSTASIS  
HP\_ENDOCARDITIS, HP\_ENDOCARDITIS  
GOMF\_METALLOEXOPEPTIDASE\_ACTIVITY, GOMF\_METALLOEXOPEPTIDASE\_ACTIVITY  
HP\_ACUTE\_KIDNEY\_INJURY, HP\_ACUTE\_KIDNEY\_INJURY  
HP\_MEGALENCEPHALY, HP\_MEGALENCEPHALY  
HP\_ABNORMALITY\_OF\_THE\_NASAL\_CAVITY, HP\_ABNORMALITY\_OF\_THE\_NASAL\_CAVITY  
HP\_DEFORMED\_SELLA\_TURCICA, HP\_DEFORMED\_SELLA\_TURCICA  
HP\_FLAT\_ACETABULAR\_ROOF, HP\_FLAT\_ACETABULAR\_ROOF  
HP\_GINGIVAL\_FIBROMATOSIS, HP\_GINGIVAL\_FIBROMATOSIS  
HP\_ARTERIAL\_THROMBOSIS, HP\_ARTERIAL\_THROMBOSIS  
REACTOME\_CREB1\_PHOSPHORYLATION\_THROUGH\_NMDA\_RECEPTOR\_MEDIATED\_ACTIVATION\_OF\_RAS\_SIGNALING, REACTOME\_CREB1\_PHOSPHORYLATION\_THROUGH\_NMDA\_RECEPTOR\_MEDIATED\_ACTIVATION\_OF\_RAS\_SIGNALING  
MAEKAWA\_ATF2\_TARGETS, MAEKAWA\_ATF2\_TARGETS  
GOBP\_DIACYLGLYCEROL\_METABOLIC\_PROCESS, GOBP\_DIACYLGLYCEROL\_METABOLIC\_PROCESS  
GOBP\_PROTEIN\_LOCALIZATION\_TO\_SYNAPSE, GOBP\_PROTEIN\_LOCALIZATION\_TO\_SYNAPSE  
HP\_THORACOLUMBAR\_KYPHOSIS, HP\_THORACOLUMBAR\_KYPHOSIS  
GOBP\_SPHINGOID\_METABOLIC\_PROCESS, GOBP\_SPHINGOID\_METABOLIC\_PROCESS  
GOBP\_REGULATION\_OF\_PROTEIN\_LOCALIZATION\_TO\_SYNAPSE, GOBP\_REGULATION\_OF\_PROTEIN\_LOCALIZATION\_TO\_SYNAPSE  
GOBP\_CELL\_PROLIFERATION\_INVOLVED\_IN\_METANEPHROS\_DEVELOPMENT, GOBP\_CELL\_PROLIFERATION\_INVOLVED\_IN\_METANEPHROS\_DEVELOPMENT  
GOBP\_TRACHEA\_DEVELOPMENT, GOBP\_TRACHEA\_DEVELOPMENT  
GOBP\_EPIDERMIS\_MORPHOGENESIS, GOBP\_EPIDERMIS\_MORPHOGENESIS  
GNF2\_RAB7L1, GNF2\_RAB7L1  
REACTOME\_LIGAND\_RECEPTOR\_INTERACTIONS, REACTOME\_LIGAND\_RECEPTOR\_INTERACTIONS  
REACTOME\_OPSINS, REACTOME\_OPSINS  
REACTOME\_CREATINE\_METABOLISM, REACTOME\_CREATINE\_METABOLISM  
GOBP\_LIMB\_BUD\_FORMATION, GOBP\_LIMB\_BUD\_FORMATION  
GOBP\_IMMATURE\_T\_CELL\_PROLIFERATION, GOBP\_IMMATURE\_T\_CELL\_PROLIFERATION  
GSE8515\_CTRL\_VS\_IL6\_4H\_STIM\_MAC\_DN, GSE8515\_CTRL\_VS\_IL6\_4H\_STIM\_MAC\_DN  
GOBP\_REGULATION\_OF\_LEUKOCYTE\_ADHESION\_TO\_VASCULAR\_ENDOTHELIAL\_CELL, GOBP\_REGULATION\_OF\_LEUKOCYTE\_ADHESION\_TO\_VASCULAR\_ENDOTHELIAL\_CELL  
GOBP\_REGULATION\_OF\_NON\_MOTILE\_CILIUM\_ASSEMBLY, GOBP\_REGULATION\_OF\_NON\_MOTILE\_CILIUM\_ASSEMBLY  
GOBP\_IMMATURE\_T\_CELL\_PROLIFERATION\_IN\_THYMUS, GOBP\_IMMATURE\_T\_CELL\_PROLIFERATION\_IN\_THYMUS  
HP\_FOOD\_INTOLERANCE, HP\_FOOD\_INTOLERANCE  
GOBP\_REGULATION\_OF\_HIGH\_DENSITY\_LIPOPROTEIN\_PARTICLE\_CLEARANCE, GOBP\_REGULATION\_OF\_HIGH\_DENSITY\_LIPOPROTEIN\_PARTICLE\_CLEARANCE  
chr11p12, chr11p12  
GOBP\_MESENCHYMAL\_CELL\_APOPTOTIC\_PROCESS, GOBP\_MESENCHYMAL\_CELL\_APOPTOTIC\_PROCESS  
GOBP\_RESPONSE\_TO\_BLUE\_LIGHT, GOBP\_RESPONSE\_TO\_BLUE\_LIGHT  
GOBP\_POSITIVE\_REGULATION\_OF\_MULTIORGANISM\_PROCESS, GOBP\_POSITIVE\_REGULATION\_OF\_MULTIORGANISM\_PROCESS  
GOMF\_TOXIC\_SUBSTANCE\_BINDING, GOMF\_TOXIC\_SUBSTANCE\_BINDING  
GOBP\_REGULATION\_OF\_RECEPTOR\_LOCALIZATION\_TO\_SYNAPSE, GOBP\_REGULATION\_OF\_RECEPTOR\_LOCALIZATION\_TO\_SYNAPSE  
GOBP\_RESPONSE\_TO\_PH, GOBP\_RESPONSE\_TO\_PH  
GOMF\_MITOGEN\_ACTIVATED\_PROTEIN\_KINASE\_KINASE\_BINDING, GOMF\_MITOGEN\_ACTIVATED\_PROTEIN\_KINASE\_KINASE\_BINDING  
GOBP\_SPHINGOSINE\_BIOSYNTHETIC\_PROCESS, GOBP\_SPHINGOSINE\_BIOSYNTHETIC\_PROCESS  
GOBP\_NEGATIVE\_REGULATION\_OF\_PROTEIN\_AUTOPHOSPHORYLATION, GOBP\_NEGATIVE\_REGULATION\_OF\_PROTEIN\_AUTOPHOSPHORYLATION  
GOBP\_TRIGLYCERIDE\_RICH\_LIPOPROTEIN\_PARTICLE\_CLEARANCE, GOBP\_TRIGLYCERIDE\_RICH\_LIPOPROTEIN\_PARTICLE\_CLEARANCE  
REACTOME\_HDL\_REMODELING, REACTOME\_HDL\_REMODELING  
HARALAMBIEVA\_PBMCFUARIX\_AGE\_50\_74YO\_CORR\_WITH\_28D\_MEM\_B\_CELL\_RESPONSE\_AT\_28DY\_LATE\_GENE\_EXPR\_INDIVID\_GENE\_MODELS\_PRED\_PEAK\_B\_CELL\_ELISPOT\_RESP\_POSITIVE, HARALAMBIEVA\_PBMCFUARIX\_AGE\_50\_74YO\_CORR\_WITH\_28D\_MEM\_B\_CELL\_RESPONSE\_AT\_28DY\_LATE\_GENE\_EXPR\_INDIVID\_GENE\_MODELS\_PRED\_PEAK\_B\_CELL\_ELISPOT\_RESP\_POSITIVE  
GOBP\_HEMATOPOIETIC\_STEM\_CELL\_PROLIFERATION, GOBP\_HEMATOPOIETIC\_STEM\_CELL\_PROLIFERATION  
GOBP\_HEPATIC\_STELLATE\_CELL\_ACTIVATION, GOBP\_HEPATIC\_STELLATE\_CELL\_ACTIVATION  
GOBP\_EPITHELIAL\_MESENCHYMAL\_CELL\_SIGNALING, GOBP\_EPITHELIAL\_MESENCHYMAL\_CELL\_SIGNALING  
GOCC\_EXOCYST, GOCC\_EXOCYST  
GOBP\_MYELOID\_DENDRITIC\_CELL\_DIFFERENTIATION, GOBP\_MYELOID\_DENDRITIC\_CELL\_DIFFERENTIATION  
HP\_INCREASED\_FIBULAR\_DIAMETER, HP\_INCREASED\_FIBULAR\_DIAMETER  
GOBP\_LATE\_ENDOSOME\_TO\_GOLGI\_TRANSPORT, GOBP\_LATE\_ENDOSOME\_TO\_GOLGI\_TRANSPORT  
GOBP\_POSITIVE\_REGULATION\_OF\_IMMATURE\_T\_CELL\_PROLIFERATION, GOBP\_POSITIVE\_REGULATION\_OF\_IMMATURE\_T\_CELL\_PROLIFERATION  
GOBP\_NEGATIVE\_REGULATION\_OF\_NOREPINEPHRINE\_SECRETION, GOBP\_NEGATIVE\_REGULATION\_OF\_NOREPINEPHRINE\_SECRETION  
GOBP\_NEUROENDOCRINE\_CELL\_DIFFERENTIATION, GOBP\_NEUROENDOCRINE\_CELL\_DIFFERENTIATION  
REACTOME\_CHYLOMICRON\_REMODELING, REACTOME\_CHYLOMICRON\_REMODELING  
HP\_PARTIAL\_ABSENCE\_OF\_THUMB, HP\_PARTIAL\_ABSENCE\_OF\_THUMB  
GOBP\_NEGATIVE\_REGULATION\_OF\_LIPOPROTEIN\_LIPASE\_ACTIVITY, GOBP\_NEGATIVE\_REGULATION\_OF\_LIPOPROTEIN\_LIPASE\_ACTIVITY  
GOBP\_REGULATION\_OF\_PENILE\_ERECTION, GOBP\_REGULATION\_OF\_PENILE\_ERECTION  
GOBP\_HYALOID\_VASCULAR\_PLEXUS\_REGRESSION, GOBP\_HYALOID\_VASCULAR\_PLEXUS\_REGRESSION  
GOBP\_URETER\_DEVELOPMENT, GOBP\_URETER\_DEVELOPMENT  
REACTOME\_GAMMA\_CARBOXYLATION\_TRANSPORT\_AND\_AMINO\_TERMINAL\_CLEAVAGE\_OF\_PROTEINS, REACTOME\_GAMMA\_CARBOXYLATION\_TRANSPORT\_AND\_AMINO\_TERMINAL\_CLEAVAGE\_OF\_PROTEINS  
REACTOME\_ANDROGEN\_BIOSYNTHESIS, REACTOME\_ANDROGEN\_BIOSYNTHESIS  
GAUSSMANN\_MLL\_AF4\_FUSION\_TARGETS\_C\_DN, GAUSSMANN\_MLL\_AF4\_FUSION\_TARGETS\_C\_DN  
GOBP\_CHYLOMICRON\_REMODELING, GOBP\_CHYLOMICRON\_REMODELING  
GOBP\_NEGATIVE\_REGULATION\_OF\_RETINOIC\_ACID\_RECEPTOR\_SIGNALING\_PATHWAY, GOBP\_NEGATIVE\_REGULATION\_OF\_RETINOIC\_ACID\_RECEPTOR\_SIGNALING\_PATHWAY  
GOBP\_NEGATIVE\_REGULATION\_OF\_MESENCHYMAL\_CELL\_APOPTOTIC\_PROCESS, GOBP\_NEGATIVE\_REGULATION\_OF\_MESENCHYMAL\_CELL\_APOPTOTIC\_PROCESS  
HP\_ABNORMAL\_ATRIOVENTRICULAR\_CONNECTION, HP\_ABNORMAL\_ATRIOVENTRICULAR\_CONNECTION  
GOBP\_HINDGUT\_DEVELOPMENT, GOBP\_HINDGUT\_DEVELOPMENT  
GOCC\_COLLAGEN\_TYPE\_IV\_TRIMER, GOCC\_COLLAGEN\_TYPE\_IV\_TRIMER  
GOBP\_SPINAL\_CORD\_PATTERNING, GOBP\_SPINAL\_CORD\_PATTERNING  
GOMF\_HYALURONONGLUCOSAMINIDASE\_ACTIVITY, GOMF\_HYALURONONGLUCOSAMINIDASE\_ACTIVITY  
GOBP\_MESENCHYMAL\_CELL\_PROLIFERATION, GOBP\_MESENCHYMAL\_CELL\_PROLIFERATION  
GOBP\_PROTEIN\_CHROMOPHORE\_LINKAGE, GOBP\_PROTEIN\_CHROMOPHORE\_LINKAGE