

S\_IN\_CULTURE\_CD8POS\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD8POS\_DC\_UP

GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4CD8DN\_DC\_UP  
GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4POS\_DC\_UP, GSE339\_EX\_VIVO\_VS\_IN\_CULTURE\_CD4POS\_DC\_UP  
GSE17721\_CPG\_VS\_GARDIQUIMOD\_1H\_BMDC\_DN, GSE17721\_CPG\_VS\_GARDIQUIMOD\_1H\_BMDC\_DN  
GSE15930\_NAIVE\_VS\_72H\_IN\_VITRO\_STIM\_CD8\_TCELL\_DN, GSE15930\_NAIVE\_VS\_72H\_IN\_VITRO\_STIM\_CD8\_TCELL\_DN  
GSE15930\_STIM\_VS\_STIM\_AND\_TRICHOSTATINA\_24H\_CD8\_T\_CELL\_DN, GSE15930\_STIM\_VS\_STIM\_AND\_TRICHOSTATINA\_24H\_CD8\_T\_CELL\_DN  
GSE15930\_STIM\_VS\_STIM\_AND\_IL12\_48H\_CD8\_T\_CELL\_UP, GSE15930\_STIM\_VS\_STIM\_AND\_IL12\_48H\_CD8\_T\_CELL\_UP  
GSE28737\_FOLLICULAR\_VS\_MARGINAL\_ZONE\_BCELL\_UP, GSE28737\_FOLLICULAR\_VS\_MARGINAL\_ZONE\_BCELL\_UP  
GSE2197\_CPG\_DNA\_VS\_UNTREATED\_IN\_DC\_DN, GSE2197\_CPG\_DNA\_VS\_UNTREATED\_IN\_DC\_DN  
GSE43955\_1H\_VS\_42H\_ACT\_CD4\_TCELL\_WITH\_TGFB\_IL6\_UP, GSE43955\_1H\_VS\_42H\_ACT\_CD4\_TCELL\_WITH\_TGFB\_IL6\_UP  
GSE16450\_CTRL\_VS\_IFNA\_12H\_STIM\_MATURE\_NEURON\_CELL\_LINE\_DN, GSE16450\_CTRL\_VS\_IFNA\_12H\_STIM\_MATURE\_NEURON\_CELL\_LINE\_DN  
GSE22443\_IL2\_VS\_IL12\_TREATED\_ACT\_CD8\_TCELL\_DN, GSE22443\_IL2\_VS\_IL12\_TREATED\_ACT\_CD8\_TCELL\_DN  
GSE339\_CD4POS\_VS\_CD8POS\_DC\_DN, GSE339\_CD4POS\_VS\_CD8POS\_DC\_DN  
GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_UP, GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_IN\_CULTURE\_UP  
GSE18281\_SUBCAPSULAR\_CORTICAL\_REGION\_VS\_WHOLE\_CORTEX\_THYMUS\_UP, GSE18281\_SUBCAPSULAR\_CORTICAL\_REGION\_VS\_WHOLE\_CORTEX\_THYMUS\_UP  
GSE27092\_WT\_VS\_HDAC7\_PHOSPHO\_DEFICIENT\_CD8\_TCELL\_DN, GSE27092\_WT\_VS\_HDAC7\_PHOSPHO\_DEFICIENT\_CD8\_TCELL\_DN  
GSE20715\_0H\_VS\_24H\_OZONE\_LUNG\_UP, GSE20715\_0H\_VS\_24H\_OZONE\_LUNG\_UP  
GSE27786\_CD8\_TCELL\_VS\_NEUTROPHIL\_DN, GSE27786\_CD8\_TCELL\_VS\_NEUTROPHIL\_DN  
GSE3039\_NKT\_CELL\_VS\_B2\_BCELL\_UP, GSE3039\_NKT\_CELL\_VS\_B2\_BCELL\_UP  
GSE44649\_NAIVE\_VS\_ACTIVATED\_CD8\_TCELL\_UP, GSE44649\_NAIVE\_VS\_ACTIVATED\_CD8\_TCELL\_UP  
GSE339\_CD4POS\_VS\_CD8POS\_DC\_IN\_CULTURE\_UP, GSE339\_CD4POS\_VS\_CD8POS\_DC\_IN\_CULTURE\_UP  
GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP, GSE17721\_POLYIC\_VS\_GARDIQUIMOD\_8H\_BMDC\_UP  
GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_DN, GSE339\_CD8POS\_VS\_CD4CD8DN\_DC\_DN  
KAECH\_DAY8\_EFF\_VS\_DAY15\_EFF\_CD8\_TCELL\_DN, KAECH\_DAY8\_EFF\_VS\_DAY15\_EFF\_CD8\_TCELL\_DN  
GSE20715\_0H\_VS\_48H\_OZONE\_LUNG\_UP, GSE20715\_0H\_VS\_48H\_OZONE\_LUNG\_UP  
GSE29164\_DAY3\_VS\_DAY7\_CD8\_TCELL\_TREATED\_MELANOMA\_DN, GSE29164\_DAY3\_VS\_DAY7\_CD8\_TCELL\_TREATED\_MELANOMA\_DN  
GSE15930\_NAIVE\_VS\_24H\_IN\_VITRO\_STIM\_IL12\_CD8\_TCELL\_UP, GSE15930\_NAIVE\_VS\_24H\_IN\_VITRO\_STIM\_IL12\_CD8\_TCELL\_UP  
WP\_B\_CELL\_RECEPTOR\_SIGNALING\_PATHWAY, WP\_B\_CELL\_RECEPTOR\_SIGNALING\_PATHWAY  
GSE2826\_XID\_VS\_BTK\_KO\_BCELL\_UP, GSE2826\_XID\_VS\_BTK\_KO\_BCELL\_UP  
SNF5\_DN.V1\_UP, SNF5\_DN.V1\_UP  
CCCNNNNNNAAGWT\_UNKNOWN, CCCNNNNNNNAAGWT\_UNKNOWN  
GSE24210\_TCONV\_VS\_TREG\_UP, GSE24210\_TCONV\_VS\_TREG\_UP  
GOBP\_SPHINGOLIPID\_BIOSYNTHETIC\_PROCESS, GOBP\_SPHINGOLIPID\_BIOSYNTHETIC\_PROCESS  
GSE16266\_LPS\_VS\_HEATSHOCK\_AND\_LPS\_STIM\_MEF\_UP, GSE16266\_LPS\_VS\_HEATSHOCK\_AND\_LPS\_STIM\_MEF\_UP  
MIR3913\_3P, MIR3913\_3P  
MIR1279, MIR1279  
GOBP\_POSITIVE\_REGULATION\_OF\_PROTEIN\_BINDING, GOBP\_POSITIVE\_REGULATION\_OF\_PROTEIN\_BINDING  
MIR7155\_3P, MIR7155\_3P  
MIR3136\_3P, MIR3136\_3P  
GOCC\_NUCLEAR\_INNER\_MEMBRANE, GOCC\_NUCLEAR\_INNER\_MEMBRANE  
ZWANG\_EGF\_PERSISTENTLY\_DN, ZWANG\_EGF\_PERSISTENTLY\_DN  
VALK\_AML\_CLUSTER\_11, VALK\_AML\_CLUSTER\_11  
REACTOME\_SPHINGOLIPID\_DE\_NOVO\_BIOSYNTHESIS, REACTOME\_SPHINGOLIPID\_DE\_NOVO\_BIOSYNTHESIS  
GOBP\_SMAD\_PROTEIN\_SIGNAL\_TRANSDUCTION, GOBP\_SMAD\_PROTEIN\_SIGNAL\_TRANSDUCTION  
BOYLAN\_MULTIPLE\_MYELOMA\_C\_DN, BOYLAN\_MULTIPLE\_MYELOMA\_C\_DN  
GSE22443\_NAIVE\_VS\_ACT\_AND\_IL2\_TREATED\_CD8\_TCELL\_UP, GSE22443\_NAIVE\_VS\_ACT\_AND\_IL2\_TREATED\_CD8\_TCELL\_UP  
CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_KRAS\_CDC25\_DN, CHIARADONNA\_NEOPLASTIC\_TRANSFORMATION\_KRAS\_CDC25\_DN  
MAGRANGEAS\_MULTIPLE\_MYELOMA\_IGG\_VS\_IGA\_DN, MAGRANGEAS\_MULTIPLE\_MYELOMA\_IGG\_VS\_IGA\_DN  
REACTOME\_OTHER\_INTERLEUKIN\_SIGNALING, REACTOME\_OTHER\_INTERLEUKIN\_SIGNALING  
WU\_SILENCED\_BY\_METHYLATION\_IN\_BLADDER\_CANCER, WU\_SILENCED\_BY\_METHYLATION\_IN\_BLADDER\_CANCER  
BALDWIN\_PRKCI\_TARGETS\_UP, BALDWIN\_PRKCI\_TARGETS\_UP  
WP\_TYPE\_I\_COLLAGEN\_SYNTHESIS\_IN\_THE\_CONTEXT\_OF\_OSTEOGENESIS\_IMPERFECTA, WP\_TYPE\_I\_COLLAGEN\_SYNTHESIS\_IN\_THE\_CONTEXT\_OF\_OSTEOGENESIS\_IMPERFECTA  
REACTOME\_HEPARAN\_SULFATE\_HEPARIN\_HS\_GAG\_METABOLISM, REACTOME\_HEPARAN\_SULFATE\_HEPARIN\_HS\_GAG\_METABOLISM  
GOBP\_POSITIVE\_REGULATION\_OF\_DNA\_BINDING, GOBP\_POSITIVE\_REGULATION\_OF\_DNA\_BINDING  
GOBP\_POSITIVE\_REGULATION\_OF\_STEROL\_TRANSPORT, GOBP\_POSITIVE\_REGULATION\_OF\_STEROL\_TRANSPORT  
REACTOME\_TNFR1\_INDUCED\_PROAPOPTOTIC\_SIGNALING, REACTOME\_TNFR1\_INDUCED\_PROAPOPTOTIC\_SIGNALING  
MODULE\_516, MODULE\_516  
GOBP\_REGULATION\_OF\_AMINO\_ACID\_IMPORT\_ACROSS\_PLASMA\_MEMBRANE, GOBP\_REGULATION\_OF\_AMINO\_ACID\_IMPORT\_ACROSS\_PLASMA\_MEMBRANE  
GOBP\_REGULATION\_OF\_NUCLEAR\_TRANSCRIBED\_MRNA\_POLY\_A\_TAIL\_SHORTENING, GOBP\_REGULATION\_OF\_NUCLEAR\_TRANSCRIBED\_MRNA\_POLY\_A\_TAIL\_SHORTENING  
HP\_ACUTE\_KIDNEY\_INJURY, HP\_ACUTE\_KIDNEY\_INJURY  
DAVICIONI\_PAX\_FOXO1\_SIGNATURE\_IN\_ARMS\_DN, DAVICIONI\_PAX\_FOXO1\_SIGNATURE\_IN\_ARMS\_DN  
MODULE\_444, MODULE\_444  
HERNANDEZ\_MITOTIC\_ARREST\_BY\_DOCETAXEL\_1\_UP, HERNANDEZ\_MITOTIC\_ARREST\_BY\_DOCETAXEL\_1\_UP  
GOBP\_PERICARDIUM\_DEVELOPMENT, GOBP\_PERICARDIUM\_DEVELOPMENT  
KOBAYASHI\_RESPONSE\_TO\_ROMIDEPSIN, KOBAYASHI\_RESPONSE\_TO\_ROMIDEPSIN  
GOBP\_SINGLE\_STRANDED\_VIRAL\_RNA\_REPLICATION\_VIA\_DOUBLE\_STRANDED\_DNA\_INTERMEDIATE, GOBP\_SINGLE\_STRANDED\_VIRAL\_RNA\_REPLICATION\_VIA\_DOUBLE\_STRANDED\_DNA\_INTERMEDIATE  
GOBP\_REGULATION\_OF\_RECEPTOR\_BINDING, GOBP\_REGULATION\_OF\_RECEPTOR\_BINDING  
GOBP\_EYELID\_DEVELOPMENT\_IN\_CAMERA\_TYPE\_EYE, GOBP\_EYELID\_DEVELOPMENT\_IN\_CAMERA\_TYPE\_EYE  
GOMF\_EFFLUX\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY, GOMF\_EFFLUX\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY  
GOBP\_CELL\_FATE\_COMMITMENT\_INVOLVED\_IN\_FORMATION\_OF\_PRIMARY\_GERM\_LAYER, GOBP\_CELL\_FATE\_COMMITMENT\_INVOLVED\_IN\_FORMATION\_OF\_PRIMARY\_GERM\_LAYER  
GOBP\_NEGATIVE\_REGULATION\_OF\_PHOSPHATIDYLINOSITOL\_3\_KINASE\_SIGNALING, GOBP\_NEGATIVE\_REGULATION\_OF\_PHOSPHATIDYLINOSITOL\_3\_KINASE\_SIGNALING  
GOBP\_FATTY\_ACID\_HOMEOSTASIS, GOBP\_FATTY\_ACID\_HOMEOSTASIS  
GOBP\_DEFINITIVE\_HEMOPOIESIS, GOBP\_DEFINITIVE\_HEMOPOIESIS  
GOBP\_CELL\_CELL\_ADHESION\_INVOLVED\_IN\_GASTRULATION, GOBP\_CELL\_CELL\_ADHESION\_INVOLVED\_IN\_GASTRULATION  
HP\_STATUS\_EPILEPTICUS\_WITH\_PROMINENT\_MOTOR\_SYMPTOMS, HP\_STATUS\_EPILEPTICUS\_WITH\_PROMINENT\_MOTOR\_SYMPTOMS  
HP\_BREECH\_PRESENTATION, HP\_BREECH\_PRESENTATION  
HP\_XANTHELASMA, HP\_XANTHELASMA  
GOMF\_GALACTOSYLTRANSFERASE\_ACTIVITY, GOMF\_GALACTOSYLTRANSFERASE\_ACTIVITY  
GOBP\_PERICARDIUM\_MORPHOGENESIS, GOBP\_PERICARDIUM\_MORPHOGENESIS  
GOBP\_SODIUM\_ION\_HOMEOSTASIS, GOBP\_SODIUM\_ION\_HOMEOSTASIS  
GOBP\_GANGLIOSIDE\_BIOSYNTHETIC\_PROCESS, GOBP\_GANGLIOSIDE\_BIOSYNTHETIC\_PROCESS  
HP\_LIMB\_MYOCLONUS, HP\_LIMB\_MYOCLONUS  
GOBP\_OVULATION\_CYCLE, GOBP\_OVULATION\_CYCLE  
GOMF\_UDP\_GALACTOSYLTRANSFERASE\_ACTIVITY, GOMF\_UDP\_GALACTOSYLTRANSFERASE\_ACTIVITY  
GOBP\_VASCULAR\_ASSOCIATED\_SMOOTH\_MUSCLE\_CONTRACTION, GOBP\_VASCULAR\_ASSOCIATED\_SMOOTH\_MUSCLE\_CONTRACTION  
MYLLYKANGAS\_AMPLIFICATION\_HOT\_SPOT\_1, MYLLYKANGAS\_AMPLIFICATION\_HOT\_SPOT\_1  
GOMF\_CO\_RECEPTOR\_BINDING, GOMF\_CO\_RECEPTOR\_BINDING  
GOBP\_REGULATION\_OF\_HETEROTYPIC\_CELL\_CELL\_ADHESION, GOBP\_REGULATION\_OF\_HETEROTYPIC\_CELL\_CELL\_ADHESION  
GOBP\_GLYCOSPHINGOLIPID\_BIOSYNTHETIC\_PROCESS, GOBP\_GLYCOSPHINGOLIPID\_BIOSYNTHETIC\_PROCESS  
GOBP\_INDUCTION\_OF\_POSITIVE\_CHEMOTAXIS, GOBP\_INDUCTION\_OF\_POSITIVE\_CHEMOTAXIS  
GOBP\_CHYLOMICRON\_REMODELING, GOBP\_CHYLOMICRON\_REMODELING  
GOBP\_AMPA\_GLUTAMATE\_RECEPTOR\_CLUSTERING, GOBP\_AMPA\_GLUTAMATE\_RECEPTOR\_CLUSTERING  
GOBP\_REGULATION\_OF\_CELL\_GROWTH\_INVOLVED\_IN\_CARDIAC\_MUSCLE\_CELL\_DEVELOPMENT, GOBP\_REGULATION\_OF\_CELL\_GROWTH\_INVOLVED\_IN\_CARDIAC\_MUSCLE\_CELL\_DEVELOPMENT  
HANSON\_HRAS\_SIGNALING\_VIA\_NFKB, HANSON\_HRAS\_SIGNALING\_VIA\_NFKB  
REACTOME\_LGI\_ADAM\_INTERACTIONS, REACTOME\_LGI\_ADAM\_INTERACTIONS  
GOCC\_INTERMEDIATE\_DENSITY\_LIPOPROTEIN\_PARTICLE, GOCC\_INTERMEDIATE\_DENSITY\_LIPOPROTEIN\_PARTICLE  
HP\_BICARBONATE\_WASTING\_RENAL\_TUBULAR\_ACIDOSIS, HP\_BICARBONATE\_WASTING\_RENAL\_TUBULAR\_ACIDOSIS  
BIOCARTA\_BOTULIN\_PATHWAY, BIOCARTA\_BOTULIN\_PATHWAY  
REACTOME\_CHYLOMICRON\_REMODELING, REACTOME\_CHYLOMICRON\_REMODELING  
HP\_INCREASED\_URINARY\_POTASSIUM, HP\_INCREASED\_URINARY\_POTASSIUM  
HP\_BICARBONATURIA, HP\_BICARBONATURIA  
HP\_CONGENITAL\_THROMBOCYTOPENIA, HP\_CONGENITAL\_THROMBOCYTOPENIA  
GOMF\_PHOSPHATIDYLCHOLINE\_STEROL\_O\_ACYLTRANSFERASE\_ACTIVATOR\_ACTIVITY, GOMF\_PHOSPHATIDYLCHOLINE\_STEROL\_O\_ACYLTRANSFERASE\_ACTIVATOR\_ACTIVITY  
GOBP\_NEGATIVE\_REGULATION\_OF\_LEUKOCYTE\_ADHESION\_TO\_VASCULAR\_ENDOTHELIAL\_CELL, GOBP\_NEGATIVE\_REGULATION\_OF\_LEUKOCYTE\_ADHESION\_TO\_VASCULAR\_ENDOTHELIAL\_CELL  
GOBP\_POSITIVE\_REGULATION\_OF\_CHOLESTEROL\_ESTERIFICATION, GOBP\_POSITIVE\_REGULATION\_OF\_CHOLESTEROL\_ESTERIFICATION  
HP\_RENAL\_SODIUM\_WASTING, HP\_RENAL\_SODIUM\_WASTING