

LITAZONE\_TREATED\_MACROPHAGE\_DN, GSE16385\_MONOCYTE\_VS\_12H\_ROSIGLITAZONE\_TREATED\_MACROPHAGE\_DN

GSE14769\_UNSTIM\_VS\_80MIN\_LPS\_BMDM\_UP, GSE14769\_UNSTIM\_VS\_80MIN\_LPS\_BMDM\_UP  
GSE23925\_DARK\_ZONE\_VS\_NAIVE\_BCELL\_UP, GSE23925\_DARK\_ZONE\_VS\_NAIVE\_BCELL\_UP  
GSE23925\_LIGHT\_ZONE\_VS\_NAIVE\_BCELL\_DN, GSE23925\_LIGHT\_ZONE\_VS\_NAIVE\_BCELL\_DN  
GSE14308\_TH1\_VS\_NAIVE\_CD4\_TCELL\_UP, GSE14308\_TH1\_VS\_NAIVE\_CD4\_TCELL\_UP  
GSE16385\_MONOCYTE\_VS\_12H\_ROSIGLITAZONE\_IFNG\_TNF\_TREATED\_MACROPHAGE\_DN, GSE16385\_MONOCYTE\_VS\_12H\_ROSIGLITAZONE\_IFNG\_TNF\_TREATED\_MACROPHAGE\_DN  
GSE26669\_CD4\_VS\_CD8\_TCELL\_IN\_MLR\_DN, GSE26669\_CD4\_VS\_CD8\_TCELL\_IN\_MLR\_DN  
GSE17721\_PAM3CSK4\_VS\_CPG\_24H\_BMDC\_DN, GSE17721\_PAM3CSK4\_VS\_CPG\_24H\_BMDC\_DN  
GSE18893\_TCONV\_VS\_TREG\_24H\_TNF\_STIM\_DN, GSE18893\_TCONV\_VS\_TREG\_24H\_TNF\_STIM\_DN  
GSE21063\_CTRL\_VS\_ANTI\_IJM\_STIM\_BCELL\_3H\_DN, GSE21063\_CTRL\_VS\_ANTI\_IJM\_STIM\_BCELL\_3H\_DN  
GSE16385\_UNTREATED\_VS\_12H\_ROSIGLITAZONE\_IFNG\_TNF\_TREATED\_MACROPHAGE\_DN, GSE16385\_UNTREATED\_VS\_12H\_ROSIGLITAZONE\_IFNG\_TNF\_TREATED\_MACROPHAGE\_DN  
FIGUEROA\_AML\_METHYLATION\_CLUSTER\_3\_UP, FIGUEROA\_AML\_METHYLATION\_CLUSTER\_3\_UP  
GSE30153\_LUPUS\_VS\_HEALTHY\_DONOR\_BCELL\_UP, GSE30153\_LUPUS\_VS\_HEALTHY\_DONOR\_BCELL\_UP  
FIGUEROA\_AML\_METHYLATION\_CLUSTER\_4\_UP, FIGUEROA\_AML\_METHYLATION\_CLUSTER\_4\_UP  
HP\_ABNORMALITY\_OF\_THE\_COAGULATION\_CASCADE, HP\_ABNORMALITY\_OF\_THE\_COAGULATION\_CASCADE  
MIR3668, MIR3668  
MIR9718, MIR9718  
MIR628\_5P, MIR628\_5P  
HAY\_BONE\_MARROW\_CD34\_POS\_HSC, HAY\_BONE\_MARROW\_CD34\_POS\_HSC  
GOBP\_SOMATIC\_STEM\_CELL\_POPULATION\_MAINTENANCE, GOBP\_SOMATIC\_STEM\_CELL\_POPULATION\_MAINTENANCE  
GSE12963\_UNINF\_VS\_ENV\_AND\_NEF\_DEFICIENT\_HIV1\_INF\_CD4\_TCELL\_UP, GSE12963\_UNINF\_VS\_ENV\_AND\_NEF\_DEFICIENT\_HIV1\_INF\_CD4\_TCELL\_UP  
MIR3679\_5P, MIR3679\_5P  
FLECHNER\_PBL\_KIDNEY\_TRANSPLANT\_OK\_VS\_DONOR\_DN, FLECHNER\_PBL\_KIDNEY\_TRANSPLANT\_OK\_VS\_DONOR\_DN  
MIR5000\_5P, MIR5000\_5P  
GSE9946\_MATURE\_STIMULATORY\_VS\_PROSTAGLANDINE2\_TREATED\_MATURE\_DC\_UP, GSE9946\_MATURE\_STIMULATORY\_VS\_PROSTAGLANDINE2\_TREATED\_MATURE\_DC\_UP  
GSE41176\_WT\_VS\_TAK1\_KO\_ANTI\_IJM\_STIM\_BCELL\_1H\_DN, GSE41176\_WT\_VS\_TAK1\_KO\_ANTI\_IJM\_STIM\_BCELL\_1H\_DN  
MIR200C\_5P, MIR200C\_5P  
MA\_MYELOID\_DIFFERENTIATION\_DN, MA\_MYELOID\_DIFFERENTIATION\_DN  
GOBP\_REGULATION\_OF\_PROTEIN\_ACETYLATION, GOBP\_REGULATION\_OF\_PROTEIN\_ACETYLATION  
HP\_TRIGONOCEPHALY, HP\_TRIGONOCEPHALY  
GOBP\_B\_CELL\_DIFFERENTIATION, GOBP\_B\_CELL\_DIFFERENTIATION  
CCCACAT\_MIR2993P, CCCACAT\_MIR2993P  
HP\_ABNORMALITY\_OF\_THE\_HEPATIC\_VASCULATURE, HP\_ABNORMALITY\_OF\_THE\_HEPATIC\_VASCULATURE  
SNIJDEERS\_AMPLIFIED\_IN\_HEAD\_AND\_NECK\_TUMORS, SNIJDEERS\_AMPLIFIED\_IN\_HEAD\_AND\_NECK\_TUMORS  
GOBP\_POSITIVE\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_INVOLVED\_IN\_CELLULAR\_RESPONSE\_TO\_CHEMICAL\_STIMULUS, GOBP\_POSITIVE\_REGULATION\_OF\_TRANSCRIPTION\_FROM\_RNA\_POLYMERASE\_II\_PROMOTER\_INVOLVED\_IN\_CELLULAR\_RESPONSE\_TO\_CHEMICAL\_STIMULUS  
PID\_S1P\_META\_PATHWAY, PID\_S1P\_META\_PATHWAY  
PID\_HES\_HEY\_PATHWAY, PID\_HES\_HEY\_PATHWAY  
GGARNTKYCCA\_UNKNOWN, GGARNTKYCCA\_UNKNOWN  
FIGUEROA\_AML\_METHYLATION\_CLUSTER\_2\_UP, FIGUEROA\_AML\_METHYLATION\_CLUSTER\_2\_UP  
GOBP\_VENTRICULAR\_SEPTUM\_MORPHOGENESIS, GOBP\_VENTRICULAR\_SEPTUM\_MORPHOGENESIS  
REACTOME\_ALPHA\_PROTEIN\_KINASE\_1\_SIGNALING\_PATHWAY, REACTOME\_ALPHA\_PROTEIN\_KINASE\_1\_SIGNALING\_PATHWAY  
MIR6793\_5P, MIR6793\_5P  
WP\_NEURAL\_CREST\_DIFFERENTIATION, WP\_NEURAL\_CREST\_DIFFERENTIATION  
GOBP\_REGULATION\_OF\_MYOBLAST\_DIFFERENTIATION, GOBP\_REGULATION\_OF\_MYOBLAST\_DIFFERENTIATION  
HP\_ESOPHAGEAL\_VARIX, HP\_ESOPHAGEAL\_VARIX  
HP\_PSORIASIFORM\_DERMATITIS, HP\_PSORIASIFORM\_DERMATITIS  
REACTOME\_RECEPTOR\_MEDIATED\_MITOPHAGY, REACTOME\_RECEPTOR\_MEDIATED\_MITOPHAGY  
GOBP\_ENDOCARDIAL\_CUSHION\_MORPHOGENESIS, GOBP\_ENDOCARDIAL\_CUSHION\_MORPHOGENESIS  
MIR4259, MIR4259  
GOBP\_SMOOTH\_MUSCLE\_CELL\_CHEMOTAXIS, GOBP\_SMOOTH\_MUSCLE\_CELL\_CHEMOTAXIS  
GOBP\_GLOMERULAR\_MESANGIUM\_DEVELOPMENT, GOBP\_GLOMERULAR\_MESANGIUM\_DEVELOPMENT  
JIANG\_HYPOXIA\_VIA\_VHL, JIANG\_HYPOXIA\_VIA\_VHL  
CHENG\_TAF7L\_TARGETS, CHENG\_TAF7L\_TARGETS  
GOBP\_INNER\_EAR\_AUDITORY\_RECEPTOR\_CELL\_DIFFERENTIATION, GOBP\_INNER\_EAR\_AUDITORY\_RECEPTOR\_CELL\_DIFFERENTIATION  
BERENJENO\_ROCK\_SIGNALING\_NOT\_VIA\_RHOA\_UP, BERENJENO\_ROCK\_SIGNALING\_NOT\_VIA\_RHOA\_UP  
GOBP\_REGULATION\_OF\_ADHERENS\_JUNCTION\_ORGANIZATION, GOBP\_REGULATION\_OF\_ADHERENS\_JUNCTION\_ORGANIZATION  
GOBP\_MIDDLE\_EAR\_MORPHOGENESIS, GOBP\_MIDDLE\_EAR\_MORPHOGENESIS  
HAHTOLA\_MYCOSIS\_FUNGOIDES\_DN, HAHTOLA\_MYCOSIS\_FUNGOIDES\_DN  
GOBP\_HAIR\_CELL\_DIFFERENTIATION, GOBP\_HAIR\_CELL\_DIFFERENTIATION  
GOBP\_CARDIAC\_MUSCLE\_TISSUE\_MORPHOGENESIS, GOBP\_CARDIAC\_MUSCLE\_TISSUE\_MORPHOGENESIS  
GOBP\_SECONDARY\_PALATE\_DEVELOPMENT, GOBP\_SECONDARY\_PALATE\_DEVELOPMENT  
GOBP\_ENDOCARDIAL\_CUSHION\_DEVELOPMENT, GOBP\_ENDOCARDIAL\_CUSHION\_DEVELOPMENT  
CONRAD\_GERMLINE\_STEM\_CELL, CONRAD\_GERMLINE\_STEM\_CELL  
HP\_PROLONGED\_BLEEDING\_AFTER\_DENTAL\_EXTRACTION, HP\_PROLONGED\_BLEEDING\_AFTER\_DENTAL\_EXTRACTION  
GOBP\_VENTRICULAR\_CARDIAC\_MUSCLE\_TISSUE\_DEVELOPMENT, GOBP\_VENTRICULAR\_CARDIAC\_MUSCLE\_TISSUE\_DEVELOPMENT  
HP\_CHRONIC\_AXONAL\_NEUROPATHY, HP\_CHRONIC\_AXONAL\_NEUROPATHY  
GOBP\_ENDOCARDIAL\_CUSHION\_FORMATION, GOBP\_ENDOCARDIAL\_CUSHION\_FORMATION  
GOBP\_WNT\_SIGNALING\_PATHWAY\_INVOLVED\_IN\_HEART\_DEVELOPMENT, GOBP\_WNT\_SIGNALING\_PATHWAY\_INVOLVED\_IN\_HEART\_DEVELOPMENT  
GOBP\_SOFT\_PALATE\_DEVELOPMENT, GOBP\_SOFT\_PALATE\_DEVELOPMENT  
GOBP\_SKELETAL\_MUSCLE\_SATELLITE\_CELL\_DIFFERENTIATION, GOBP\_SKELETAL\_MUSCLE\_SATELLITE\_CELL\_DIFFERENTIATION  
GOBP\_TRANSDIFFERENTIATION, GOBP\_TRANSDIFFERENTIATION  
HP\_FOLLICULAR\_HYPERKERATOSIS, HP\_FOLLICULAR\_HYPERKERATOSIS  
GOBP\_POSITIVE\_REGULATION\_OF\_BMP\_SIGNALING\_PATHWAY, GOBP\_POSITIVE\_REGULATION\_OF\_BMP\_SIGNALING\_PATHWAY  
GOBP\_METANEPHRIC\_GLOMERULAR\_MESANGIUM\_DEVELOPMENT, GOBP\_METANEPHRIC\_GLOMERULAR\_MESANGIUM\_DEVELOPMENT  
GOBP\_TRANS\_SYNAPTIC\_SIGNALING\_MODULATING\_SYNAPTIC\_TRANSMISSION, GOBP\_TRANS\_SYNAPTIC\_SIGNALING\_MODULATING\_SYNAPTIC\_TRANSMISSION  
REACTOME\_TFAP2\_AP\_2\_FAMILY\_REGULATES\_TRANSCRIPTION\_OF\_GROWTH\_FACTORS\_AND\_THEIR\_RECEPTORS, REACTOME\_TFAP2\_AP\_2\_FAMILY\_REGULATES\_TRANSCRIPTION\_OF\_GROWTH\_FACTORS\_AND\_THEIR\_RECEPTORS  
GOBP\_ARTERIAL\_ENDOTHELIAL\_CELL\_DIFFERENTIATION, GOBP\_ARTERIAL\_ENDOTHELIAL\_CELL\_DIFFERENTIATION  
GOBP\_NEGATIVE\_REGULATION\_OF\_STRIATED\_MUSCLE\_CELL\_DIFFERENTIATION, GOBP\_NEGATIVE\_REGULATION\_OF\_STRIATED\_MUSCLE\_CELL\_DIFFERENTIATION  
GOBP\_CARDIAC\_CELL\_FATE\_COMMITMENT, GOBP\_CARDIAC\_CELL\_FATE\_COMMITMENT  
MODULE\_280, MODULE\_280  
GOBP\_METANEPHRIC\_GLOMERULUS\_DEVELOPMENT, GOBP\_METANEPHRIC\_GLOMERULUS\_DEVELOPMENT  
HP\_PERSISTENT\_BLEEDING\_AFTER\_TRAUMA, HP\_PERSISTENT\_BLEEDING\_AFTER\_TRAUMA  
GOBP\_CARDIAC\_LEFT\_VENTRICLE\_MORPHOGENESIS, GOBP\_CARDIAC\_LEFT\_VENTRICLE\_MORPHOGENESIS  
GOBP\_REGULATION\_OF\_WNT\_SIGNALING\_PATHWAY\_INVOLVED\_IN\_HEART\_DEVELOPMENT, GOBP\_REGULATION\_OF\_WNT\_SIGNALING\_PATHWAY\_INVOLVED\_IN\_HEART\_DEVELOPMENT  
GOBP\_CARDIAC\_MUSCLE\_CELL\_FATE\_COMMITMENT, GOBP\_CARDIAC\_MUSCLE\_CELL\_FATE\_COMMITMENT  
ZHONG\_PFC\_C1\_DLX5\_POS\_INTERNEURON, ZHONG\_PFC\_C1\_DLX5\_POS\_INTERNEURON  
GOBP\_PERICYTE\_CELL\_DIFFERENTIATION, GOBP\_PERICYTE\_CELL\_DIFFERENTIATION  
GOBP\_CARDIAC\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION, GOBP\_CARDIAC\_EPITHELIAL\_TO\_MESENCHYMAL\_TRANSITION  
MODULE\_65, MODULE\_65  
GOBP\_CELL\_PROLIFERATION\_INVOLVED\_IN\_HEART\_MORPHOGENESIS, GOBP\_CELL\_PROLIFERATION\_INVOLVED\_IN\_HEART\_MORPHOGENESIS  
HP\_JOINT\_HEMORRHAGE, HP\_JOINT\_HEMORRHAGE  
HP\_ABNORMAL\_MANDIBULAR\_RAMUS\_MORPHOLOGY, HP\_ABNORMAL\_MANDIBULAR\_RAMUS\_MORPHOLOGY  
GOBP\_AUDITORY\_RECEPTOR\_CELL\_FATE\_COMMITMENT, GOBP\_AUDITORY\_RECEPTOR\_CELL\_FATE\_COMMITMENT  
GOBP\_MACROPHAGE\_COLONY\_STIMULATING\_FACTOR\_PRODUCTION, GOBP\_MACROPHAGE\_COLONY\_STIMULATING\_FACTOR\_PRODUCTION  
GOBP\_CANONICAL\_WNT\_SIGNALING\_PATHWAY\_INVOLVED\_IN\_CARDIAC\_MUSCLE\_CELL\_FATE\_COMMITMENT, GOBP\_CANONICAL\_WNT\_SIGNALING\_PATHWAY\_INVOLVED\_IN\_CARDIAC\_MUSCLE\_CELL\_FATE\_COMMITMENT  
GOBP\_METANEPHRIC\_GLOMERULUS\_VASCULATURE\_DEVELOPMENT, GOBP\_METANEPHRIC\_GLOMERULUS\_VASCULATURE\_DEVELOPMENT  
GOMF\_GUANYLATE\_CYCLASE\_ACTIVITY, GOMF\_GUANYLATE\_CYCLASE\_ACTIVITY  
GOBP\_GLOMERULAR\_MESANGIAL\_CELL\_DIFFERENTIATION, GOBP\_GLOMERULAR\_MESANGIAL\_CELL\_DIFFERENTIATION  
GOCC\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_REPRESSOR\_COMPLEX, GOCC\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_REPRESSOR\_COMPLEX  
HP\_ABNORMAL\_CEREBRAL\_VEIN\_MORPHOLOGY, HP\_ABNORMAL\_CEREBRAL\_VEIN\_MORPHOLOGY  
REACTOME\_PRESYNAPTIC\_DEPOLARIZATION\_AND\_CALCIIUM\_CHANNEL\_OPENING, REACTOME\_PRESYNAPTIC\_DEPOLARIZATION\_AND\_CALCIIUM\_CHANNEL\_OPENING  
THUM\_MIR21\_TARGETS\_HEART\_DISEASE\_UP, THUM\_MIR21\_TARGETS\_HEART\_DISEASE\_UP  
GOBP\_POSITIVE\_REGULATION\_OF\_GONADOTROPIN\_SECRETION, GOBP\_POSITIVE\_REGULATION\_OF\_GONADOTROPIN\_SECRETION  
GOBP\_POSITIVE\_REGULATION\_OF\_ODONTOGENESIS, GOBP\_POSITIVE\_REGULATION\_OF\_ODONTOGENESIS  
GOBP\_NEGATIVE\_REGULATION\_OF\_SKELETAL\_MUSCLE\_CELL\_DIFFERENTIATION, GOBP\_NEGATIVE\_REGULATION\_OF\_SKELETAL\_MUSCLE\_CELL\_DIFFERENTIATION  
HP\_HYPOPLASTIC\_HELICES, HP\_HYPOPLASTIC\_HELICES  
GOBP\_FOLLICLE\_STIMULATING\_HORMONE\_SECRETION, GOBP\_FOLLICLE\_STIMULATING\_HORMONE\_SECRETION  
GOBP\_ENDOCARDIAL\_CELL\_DIFFERENTIATION, GOBP\_ENDOCARDIAL\_CELL\_DIFFERENTIATION  
GOBP\_POSITIVE\_REGULATION\_OF\_CELL\_PROLIFERATION\_INVOLVED\_IN\_HEART\_MORPHOGENESIS, GOBP\_POSITIVE\_REGULATION\_OF\_CELL\_PROLIFERATION\_INVOLVED\_IN\_HEART\_MORPHOGENESIS  
GOBP\_REGULATION\_OF\_GONADOTROPIN\_SECRETION, GOBP\_REGULATION\_OF\_GONADOTROPIN\_SECRETION