

MRNA\_SPLICING, REACTOME\_MRNA\_SPLICING

REACTOME\_INFLUENZA\_INFECTION, REACTOME\_INFLUENZA\_INFECTION  
YAO\_TEMPORAL\_RESPONSE\_TO\_PROGESTERONE\_CLUSTER\_13, YAO\_TEMPORAL\_RESPONSE\_TO\_PROGESTERONE\_CLUSTER\_13  
REACTOME\_HIV\_LIFE\_CYCLE, REACTOME\_HIV\_LIFE\_CYCLE  
KEGG\_SPLICEOSOME, KEGG\_SPLICEOSOME  
REACTOME\_NONSENSE\_MEDIATED\_DECAY\_NMD, REACTOME\_NONSENSE\_MEDIATED\_DECAY\_NMD  
WP\_MRNA\_PROCESSING, WP\_MRNA\_PROCESSING  
REACTOME\_REGULATION\_OF\_EXPRESSION\_OF\_SLITS\_AND\_ROBOS, REACTOME\_REGULATION\_OF\_EXPRESSION\_OF\_SLITS\_AND\_ROBOS  
KEGG\_HUNTINGTONS\_DISEASE, KEGG\_HUNTINGTONS\_DISEASE  
JISON\_SICKLE\_CELL\_DISEASE\_DN, JISON\_SICKLE\_CELL\_DISEASE\_DN  
HAHTOLA\_MYCOSIS\_FUNGOIDES\_SKIN\_UP, HAHTOLA\_MYCOSIS\_FUNGOIDES\_SKIN\_UP  
REACTOME\_RNA\_POLYMERASE\_II\_TRANSCRIBES\_SNRNA\_GENES, REACTOME\_RNA\_POLYMERASE\_II\_TRANSCRIBES\_SNRNA\_GENES  
REACTOME\_MRNA\_SPLICING\_MINOR\_PATHWAY, REACTOME\_MRNA\_SPLICING\_MINOR\_PATHWAY  
REACTOME\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_TERMINATION, REACTOME\_RNA\_POLYMERASE\_II\_TRANSCRIPTION\_TERMINATION  
ABRAMSON\_INTERACT\_WITH\_AIRE, ABRAMSON\_INTERACT\_WITH\_AIRE  
KEGG\_PYRIMIDINE\_METABOLISM, KEGG\_PYRIMIDINE\_METABOLISM  
WP\_PYRIMIDINE\_METABOLISM, WP\_PYRIMIDINE\_METABOLISM  
REACTOME\_TRANSCRIPTION\_OF\_THE\_HIV\_GENOME, REACTOME\_TRANSCRIPTION\_OF\_THE\_HIV\_GENOME  
KEGG\_RNA\_DEGRADATION, KEGG\_RNA\_DEGRADATION  
ZHONG\_RESPONSE\_TO\_AZACITIDINE\_AND\_TSA\_DN, ZHONG\_RESPONSE\_TO\_AZACITIDINE\_AND\_TSA\_DN  
REACTOME\_TP53\_REGULATES\_TRANSCRIPTION\_OF\_DNA\_REPAIR\_GENES, REACTOME\_TP53\_REGULATES\_TRANSCRIPTION\_OF\_DNA\_REPAIR\_GENES  
FLECHNER\_PBL\_KIDNEY\_TRANSPLANT\_REJECTED\_VS\_OK\_DN, FLECHNER\_PBL\_KIDNEY\_TRANSPLANT\_REJECTED\_VS\_OK\_DN  
REACTOME\_DEADENYLATION\_DEPENDENT\_MRNA\_DECAY, REACTOME\_DEADENYLATION\_DEPENDENT\_MRNA\_DECAY  
WP\_EUKARYOTIC\_TRANSCRIPTION\_INITIATION, WP\_EUKARYOTIC\_TRANSCRIPTION\_INITIATION  
REACTOME\_FORMATION\_OF\_RNA\_POL\_II\_ELONGATION\_COMPLEX, REACTOME\_FORMATION\_OF\_RNA\_POL\_II\_ELONGATION\_COMPLEX  
REACTOME\_PROCESSING\_OF\_CAPPED\_INTRONLESS\_PRE\_MRNA, REACTOME\_PROCESSING\_OF\_CAPPED\_INTRONLESS\_PRE\_MRNA  
REACTOME\_EPIGENETIC\_REGULATION\_OF\_GENE\_EXPRESSION, REACTOME\_EPIGENETIC\_REGULATION\_OF\_GENE\_EXPRESSION  
REACTOME\_FORMATION\_OF\_TC\_NER\_PRE\_INCISION\_COMPLEX, REACTOME\_FORMATION\_OF\_TC\_NER\_PRE\_INCISION\_COMPLEX  
REACTOME\_HIV\_TRANSCRIPTION\_INITIATION, REACTOME\_HIV\_TRANSCRIPTION\_INITIATION  
REACTOME\_RNA\_POLYMERASE\_III\_TRANSCRIPTION\_INITIATION\_FROM\_TYPE\_1\_PROMOTER, REACTOME\_RNA\_POLYMERASE\_III\_TRANSCRIPTION\_INITIATION\_FROM\_TYPE\_1\_PROMOTER  
GROSS\_HYPOXIA\_VIA\_ELK3\_AND\_HIF1A\_DN, GROSS\_HYPOXIA\_VIA\_ELK3\_AND\_HIF1A\_DN  
VANHARANTA\_UTERINE\_FIBROID\_WITH\_7Q\_DELETION\_UP, VANHARANTA\_UTERINE\_FIBROID\_WITH\_7Q\_DELETION\_UP  
REACTOME\_RHOBTB\_GTPASE\_CYCLE, REACTOME\_RHOBTB\_GTPASE\_CYCLE  
REACTOME\_CYTOSOLIC\_SENSORS\_OF\_PATHOGEN\_ASSOCIATED\_DNA, REACTOME\_CYTOSOLIC\_SENSORS\_OF\_PATHOGEN\_ASSOCIATED\_DNA  
REACTOME\_RNA\_POLYMERASE\_III\_TRANSCRIPTION, REACTOME\_RNA\_POLYMERASE\_III\_TRANSCRIPTION  
REACTOME\_ESTROGEN\_DEPENDENT\_GENE\_EXPRESSION, REACTOME\_ESTROGEN\_DEPENDENT\_GENE\_EXPRESSION  
REACTOME\_RNA\_POLYMERASE\_III\_TRANSCRIPTION\_INITIATION\_FROM\_TYPE\_3\_PROMOTER, REACTOME\_RNA\_POLYMERASE\_III\_TRANSCRIPTION\_INITIATION\_FROM\_TYPE\_3\_PROMOTER  
REACTOME\_RHOBTB1\_GTPASE\_CYCLE, REACTOME\_RHOBTB1\_GTPASE\_CYCLE  
REACTOME\_HIV\_TRANSCRIPTION\_ELONGATION, REACTOME\_HIV\_TRANSCRIPTION\_ELONGATION  
WOOD\_EBV\_EBNA1\_TARGETS\_UP, WOOD\_EBV\_EBNA1\_TARGETS\_UP  
LEE\_METASTASIS\_AND\_RNA\_PROCESSING\_UP, LEE\_METASTASIS\_AND\_RNA\_PROCESSING\_UP  
REACTOME\_RNA\_POLYMERASE\_I\_TRANSCRIPTION\_INITIATION, REACTOME\_RNA\_POLYMERASE\_I\_TRANSCRIPTION\_INITIATION  
KEGG\_RNA\_POLYMERASE, KEGG\_RNA\_POLYMERASE  
SCHAEFFER\_PROSTATE\_DEVELOPMENT\_AND\_CANCER\_BOX4\_DN, SCHAEFFER\_PROSTATE\_DEVELOPMENT\_AND\_CANCER\_BOX4\_DN  
RICKMAN\_TUMOR\_DIFFERENTIATED\_MODERATELY\_VS\_POORLY\_DN, RICKMAN\_TUMOR\_DIFFERENTIATED\_MODERATELY\_VS\_POORLY\_DN  
REACTOME\_RNA\_POLYMERASE\_I\_TRANSCRIPTION, REACTOME\_RNA\_POLYMERASE\_I\_TRANSCRIPTION  
REACTOME\_FORMATION\_OF\_THE\_EARLY\_ELONGATION\_COMPLEX, REACTOME\_FORMATION\_OF\_THE\_EARLY\_ELONGATION\_COMPLEX  
REACTOME\_PROCESSING\_OF\_INTRONLESS\_PRE\_MRNAS, REACTOME\_PROCESSING\_OF\_INTRONLESS\_PRE\_MRNAS  
REACTOME\_ABORTIVE\_ELONGATION\_OF\_HIV\_1\_TRANSCRIPT\_IN\_THE\_ABSENCE\_OF\_TAT, REACTOME\_ABORTIVE\_ELONGATION\_OF\_HIV\_1\_TRANSCRIPT\_IN\_THE\_ABSENCE\_OF\_TAT  
REACTOME\_POSITIVE\_EPIGENETIC\_REGULATION\_OF\_RRNA\_EXPRESSION, REACTOME\_POSITIVE\_EPIGENETIC\_REGULATION\_OF\_RRNA\_EXPRESSION  
MELLMAN\_TUT1\_TARGETS\_UP, MELLMAN\_TUT1\_TARGETS\_UP  
REACTOME\_FGFR2\_ALTERNATIVE\_SPLICING, REACTOME\_FGFR2\_ALTERNATIVE\_SPLICING  
REACTOME\_GENE\_AND\_PROTEIN\_EXPRESSION\_BY\_JAK\_STAT\_SIGNALING\_AFTER\_INTERLEUKIN\_12\_STIMULATION, REACTOME\_GENE\_AND\_PROTEIN\_EXPRESSION\_BY\_JAK\_STAT\_SIGNALING\_AFTER\_INTERLEUKIN\_12  
REACTOME\_HIV\_ELONGATION\_ARREST\_AND\_RECOVERY, REACTOME\_HIV\_ELONGATION\_ARREST\_AND\_RECOVERY  
REACTOME\_RNA\_POLYMERASE\_III\_CHAIN\_ELONGATION, REACTOME\_RNA\_POLYMERASE\_III\_CHAIN\_ELONGATION  
REACTOME\_MRNA\_CAPPING, REACTOME\_MRNA\_CAPPING  
REACTOME\_NEGATIVE\_EPIGENETIC\_REGULATION\_OF\_RRNA\_EXPRESSION, REACTOME\_NEGATIVE\_EPIGENETIC\_REGULATION\_OF\_RRNA\_EXPRESSION  
HIRSCH\_CELLULAR\_TRANSFORMATION\_SIGNATURE\_DN, HIRSCH\_CELLULAR\_TRANSFORMATION\_SIGNATURE\_DN  
CHICAS\_RB1\_TARGETS\_LOW\_SERUM, CHICAS\_RB1\_TARGETS\_LOW\_SERUM  
HOLLEMAN\_VINCRISTINE\_RESISTANCE\_ALL\_DN, HOLLEMAN\_VINCRISTINE\_RESISTANCE\_ALL\_DN  
HOLLEMAN\_VINCRISTINE\_RESISTANCE\_B\_ALL\_DN, HOLLEMAN\_VINCRISTINE\_RESISTANCE\_B\_ALL\_DN  
ASTON\_MAJOR\_DEPRESSIVE\_DISORDER\_DN, ASTON\_MAJOR\_DEPRESSIVE\_DISORDER\_DN  
WALLACE\_JAK2\_TARGETS\_UP, WALLACE\_JAK2\_TARGETS\_UP  
GAZDA\_DIAMOND\_BLACKFAN\_ANEMIA\_MYELOID\_DN, GAZDA\_DIAMOND\_BLACKFAN\_ANEMIA\_MYELOID\_DN  
PURBEY\_TARGETS\_OF\_CTBP1\_AND\_SATB1\_DN, PURBEY\_TARGETS\_OF\_CTBP1\_AND\_SATB1\_DN  
REACTOME\_PIWI\_INTERACTING\_RNA\_PIRNA\_BIOGENESIS, REACTOME\_PIWI\_INTERACTING\_RNA\_PIRNA\_BIOGENESIS  
REACTOME\_MRNA\_DECAY\_BY\_5\_TO\_3\_EXORIBONUCLEASE, REACTOME\_MRNA\_DECAY\_BY\_5\_TO\_3\_EXORIBONUCLEASE  
REACTOME\_SLPB\_DEPENDENT\_PROCESSING\_OF\_REPLICATION\_DEPENDENT\_HISTONE\_PRE\_MRNAS, REACTOME\_SLPB\_DEPENDENT\_PROCESSING\_OF\_REPLICATION\_DEPENDENT\_HISTONE\_PRE\_MRNAS  
REACTOME\_RNA\_POLYMERASE\_III\_TRANSCRIPTION\_TERMINATION, REACTOME\_RNA\_POLYMERASE\_III\_TRANSCRIPTION\_TERMINATION  
XU\_HGF\_SIGNALING\_NOT\_VIA\_AKT1\_48HR\_DN, XU\_HGF\_SIGNALING\_NOT\_VIA\_AKT1\_48HR\_DN  
RIZ\_ERYTHROID\_DIFFERENTIATION\_CCNE1, RIZ\_ERYTHROID\_DIFFERENTIATION\_CCNE1  
REACTOME\_SIGNALING\_BY\_FGFR2, REACTOME\_SIGNALING\_BY\_FGFR2  
XU\_AKT1\_TARGETS\_6HR, XU\_AKT1\_TARGETS\_6HR  
REACTOME\_B\_WICH\_COMPLEX\_POSITIVELY\_REGULATES\_RRNA\_EXPRESSION, REACTOME\_B\_WICH\_COMPLEX\_POSITIVELY\_REGULATES\_RRNA\_EXPRESSION  
RICKMAN\_TUMOR\_DIFFERENTIATED\_MODERATELY\_VS\_POORLY\_UP, RICKMAN\_TUMOR\_DIFFERENTIATED\_MODERATELY\_VS\_POORLY\_UP