

Additional File 1: Keyword lists used

Cell Cycle

cell cycle
APC
cyclin
cyclin-dependent kinase
anaphase promoting complex
activator
cdc20
cdh1
fizzy
separase
cohesin
sister chromatid cohesion
securin
cell division
proliferation
prophase
metaphase
anaphase
telophase
S-phase
M-phase
interphase
replication
S-phase promoting complex
meiosis
mitosis
spindle pole
centrosome
centromere
spindle
metaphase plate
ubiquitin ligase
cell-cycle dependent proteolysis
bipolar attachment
monopolar attachment
cytokinesis

Endocytosis

endocytosis
intracellular transport
intracellular signaling
membrane binding
Pi3P
Rab5
Rab
GTPase
Vesicle trafficking
protein sorting
vesicle budding
membrane fusion
tubulation
vesicle fission
TGN
Golgi
vesicle motility
cytoskeleton
early endosome

	<ul style="list-style-type: none"> recycling endosome Rab4 Rab11 transcytosis compartement
<i>Epigenetics</i>	<ul style="list-style-type: none"> epigenetics chromatin histone methylation jumonji domain SET domain LSD1
<i>Transcription</i>	<ul style="list-style-type: none"> transcriptional control transcriptional regulation RNA polymerase RNAP elongation transcription factor transcriptional termination polII polI polIII enhancer promoter enhancer element DNA-binding TATA box-binding transcriptional repressor transcription initiation factor
<i>APPL1</i>	<ul style="list-style-type: none"> endocytosis intracellular transport vesicle trafficking vesicle movement vesicle fission vesicle fusion vesicle motility tubulation GTPase binding small GTPase Rab cytoskeleton actin binding tubulin binding microtubules actin tubulin signaling
<i>Microtubule/Cytoskeleton-associated proteins</i>	<ul style="list-style-type: none"> endocytosis vesicle trafficking vesicle movement cytoskeleton actin binding tubulin binding actin tubulin microtubules motor protein

<i>RNA binding proteins</i>	<ul style="list-style-type: none"> RNA binding nucleic acid binding translation translational regulation 3'UTR RNA binding domain RBD RRM poly-adenylation adenylation RNase RNA degradation RNA stability
<i>EPS8 like proteins</i>	<ul style="list-style-type: none"> translation transcription nucleic acid binding RNA binding UTR protein interaction homodimerization heterodimerization signaling
<i>PABP domain family</i>	<ul style="list-style-type: none"> polyadenylate-binding poly-A tail cap structure translation translational regulation activation of translation repression of translation translational activation translational repression RNA binding domain RBD PABP polyadenylate-binding protein
<i>PLAT domain family</i>	<ul style="list-style-type: none"> lipid binding lipid association lipid metabolism membrane binding membrane association membrane attachment membrane dynamics polycystin-1 lipxygenase lipxygenase homology colipase lipogenase lipase
<i>HNF-1α</i>	<ul style="list-style-type: none"> transcription factor hepatocyte nuclear factor homeo-box DNA-binding regulation of transcription transcriptional regulation transcriptional activation activation of transcription

transcriptional transactivation
transcription
enhancer
enhancer of transcription
promoter sequence
enhancer sequence