

Cell Cycle		
MLH1	MutL homolog 1, colon cancer, nonpolyposis type 2	
CENPE	Centromere protein E, 312kDa	UP
BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog	
AURKB	Aurora kinase B	UP
CDC6	CDC6 cell division cycle 6 homolog	UP
CDK2	Cyclin-dependent kinase 2	UP
MYC	V-myc myelocytomatosis viral oncogene homolog	
CKS1B	CDC28 protein kinase regulatory subunit 1B	UP
H2AFX	H2A histone family, member X	UP
MCM3	MCM3 minichromosome maintenance deficient	UP
MCM5	MCM5 minichromosome maintenance deficient 5	UP
MCM6	MCM6 minichromosome maintenance deficient 6	UP
MSH2	MutS homolog 2, colon cancer	UP
PCNA	Proliferating cell nuclear antigen	UP
PTTG2	**Pituitary tumor-transforming 2	UP
RAD54L	RAD54-like (S. cerevisiae)	UP
SMC2L1	SMC2 structural maintenance of chromosomes 2-like 1	UP
Cellular Protein Metabolism		
CENPA	Centromere protein A, 17kDa	
TRA1	Tumor rejection antigen (gp96) 1	
SMARCA3	SWI/SNF related regulator of chromatin	UP
PKN2	Protein kinase N2	
EIF2B2	Eukaryotic translation initiation factor 2B, subunit 2 beta	UP
AURKB	Aurora kinase B	UP
H2AFX	H2A histone family, member X	UP
HSPC150	HSPC150 protein similar to ubiquitin-conjugating enzyme	UP
HIST2H2AA	**Histone 2, H2aa	
CDK2	Cyclin-dependent kinase 2	UP
H2AFZ	H2A histone family, member Z	UP
VCP	Valosin-containing protein	
PRKDC	Protein kinase, DNA-activated, catalytic polypeptide	UP
CALR	Calreticulin	
DNA replication		
RPA3	Replication protein A3, 14kDa	
MSH2	MutS homolog 2, colon cancer, nonpolyposis type 1	UP
MLH1	MutL homolog 1, colon cancer, nonpolyposis type 2	
RFC3	Replication factor C (activator 1) 3, 38kDa	UP
RFC2	Replication factor C (activator 1) 2, 40kDa	UP
PCNA	Proliferating cell nuclear antigen	UP
TOP2A	Topoisomerase (DNA) II alpha 170kDa	UP
MCM3	MCM3 minichromosome maintenance deficient 3	UP
CDK2	Cyclin-dependent kinase 2	UP
POLA2	Polymerase (DNA directed), alpha 2 (70kD subunit)	UP
POLD1	Polymerase (DNA directed), delta 1, catalytic subunit 125kDa	UP
CDC6	CDC6 cell division cycle 6 homolog	UP
FEN1	Flap structure-specific endonuclease 1	UP
MCM6	MCM6 minichromosome maintenance deficient 6	UP
TK1	Thymidine kinase 1, soluble	UP
MCM5	MCM5 minichromosome maintenance deficient 5	UP
DUT	DUTP pyrophosphatase	UP
RRM1	Ribonucleotide reductase M1 polypeptide	UP
PRIM2A	Primase, polypeptide 2A, 58kDa	
Response to Stress		
PLSCR1	Phospholipid scramblase 1	
TRA1	Tumor rejection antigen (gp96) 1	
FEN1	Flap structure-specific endonuclease 1	UP
MLH1	MutL homolog 1, colon cancer, nonpolyposis type 2	
POLD1	DNA Polymerase delta 1, catalytic subunit 125kDa	UP
PTTG2	**Pituitary tumor-transforming 2	UP
H2AFX	H2A histone family, member X	UP
RAD54L	RAD54-like (S. cerevisiae)	UP
PCNA	Proliferating cell nuclear antigen	UP
TOP2A	Topoisomerase (DNA) II alpha 170kDa	UP
MSH2	MutS homolog 2, colon cancer, nonpolyposis type 1	UP
UNG	Uracil-DNA glycosylase	UP
RPA3	Replication protein A3, 14kDa	
PRKDC	Protein kinase, DNA-activated, catalytic polypeptide	UP
NFE2L1	Nuclear factor (erythroid-derived 2)-like 1	
VCP	Valosin-containing protein	

Transcription		
SUPT4H1	Suppressor of Ty 4 homolog 1	
HMGGB3	High-mobility group box 3	
MYC	V-myc myelocytomatosis viral oncogene homolog	
SMARCA3	SWI/SNF related regulator of chromatin	UP
PTTG2	**Pituitary tumor-transforming 2	UP
MCM3	MCM3 minichromosome maintenance deficient 3	UP
MCM5	MCM5 minichromosome maintenance deficient 5	UP
TEAD4	TEA domain family member 4	
MCM6	MCM6 minichromosome maintenance deficient 6	UP
ZNF267	Zinc finger protein 267	
NFE2L1	Nuclear factor (erythroid-derived 2)-like 1	
CALR	Calreticulin	
DNA repair		
RPA3	Replication protein A3, 14kDa	
PRKDC	Protein kinase, DNA-activated, catalytic polypeptide	UP
MLH1	MutL homolog 1, colon cancer, nonpolyposis type 2	
PCNA	Proliferating cell nuclear antigen	UP
TOP2A	Topoisomerase (DNA) II alpha 170kDa	UP
MSH2	MutS homolog 2, colon cancer, nonpolyposis type 1	UP
UNG	Uracil-DNA glycosylase	UP
RAD54L	RAD54-like	UP
POLD1	DNA Polymerase delta 1, catalytic subunit 125kDa	UP
PTTG2	**Pituitary tumor-transforming 2	UP
FEN1	Flap structure-specific endonuclease 1	UP
H2AFX	H2A histone family, member X	UP
M phase		
BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog	
SMC2L1	SMC2 structural maintenance of chromosomes 2-like 1	UP
CDK2	Cyclin-dependent kinase 2	UP
PTTG2	**Pituitary tumor-transforming 2	UP
CDC6	CDC6 cell division cycle 6 homolog	UP
H2AFX	H2A histone family, member X	UP
RAD54L	RAD54-like	UP
CENPE	Centromere protein E, 312kDa	UP
Signal Transduction		
PIG8	Transloklin	
PPP2R2B	protein phosphatase 2, regulatory subunit B	
VCP	Valosin-containing protein	
RABIF	RAB interacting factor	UP
PCNA	Proliferating cell nuclear antigen	UP
TOP2A	Topoisomerase (DNA) II alpha 170kDa	UP
FEN1	Flap structure-specific endonuclease 1	UP
PKN2	Protein kinase N2	
STAM	Signal transducing adaptor molecule 1	
Cell Proliferation		
BUB3	BUB3 budding uninhibited by benzimidazoles 3 homolog	
PCNA	Proliferating cell nuclear antigen	UP
MYC	V-myc myelocytomatosis viral oncogene homolog	
CDK2	Cyclin-dependent kinase 2	UP
CDC6	CDC6 cell division cycle 6 homolog (S. cerevisiae)	UP
Establishment/Maintenance of Chromatin Architecture		
CENPA	Centromere protein A, 17kDa	
SMARCA3	SWI/SNF related regulator of chromatin	UP
H2AFZ	H2A histone family, member Z	UP
H2AFX	H2A histone family, member X	UP
HIST2H2AA	**Histone 2, H2aa	
Intracellular Transport		
PIG8	Transloklin	
STAM	Signal transducing adaptor molecule 1	
CALR	Calreticulin	
VCP	Valosin-containing protein	
CENPE	Centromere protein E, 312kDa	UP
KIF4A	Kinesin family member 4A	
Development		
HMGGB3	High-mobility group box 3	
ZNF267	Zinc finger protein 267	
NFE2L1	Nuclear factor (erythroid-derived 2)-like 1	
TEAD4	TEA domain family member 4	