

Supplementary Table S1

	Gene Symbol	Protein name	Relevant GO terms
1	RNF145	ring finger protein 145	
2	HNRNPUL1	heterogeneous nuclear ribonucleoprotein U-like 1	
3	GID4	GID complex subunit 4	
4	DNAJC8	DnaJ (Hsp40) homolog, subfamily C, member 8	
5	MINPP1	multiple inositol-polyphosphate phosphatase 1	
6	LIN7C	lin-7 homolog C (C. elegans)	cell-cell junction
7	TRA2B	transformer 2 beta homolog (Drosophila)	
8	TXNIP	thioredoxin interacting protein	cell cycle; cellular response to tumor cell; negative regulation of cell division; positive regulation of apoptotic process; regulation of cell proliferation; response to drug; response to oxidative stress
9	HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	
10	ADAM10	ADAM metallopeptidase domain 10	cell-cell signaling; epidermal growth factor receptor signaling pathway; negative regulation of cell adhesion; positive regulation of cell growth; positive regulation of cell migration; positive regulation of cell proliferation; response to tumor necrosis factor
11	CDV3	CDV3 homolog (mouse)	cell proliferation
12	PHF6	PHD finger protein 6	
13	DPYSL2	dihydropyrimidinase-like 2	response to drug
14	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog	epidermal growth factor receptor signaling pathway; positive regulation of cell proliferation
15	RAD23B	RAD23 homolog B (S. cerevisiae)	response to DNA damage stimulus; spermatogenesis
16	UBE2D3	ubiquitin-conjugating enzyme E2D 3	apoptotic process; DNA repair
17	DEGS1	delta(4)-desaturase, sphingolipid 1	
18	PPAP2B	phosphatidic acid phosphatase type 2B	canonical Wnt receptor signaling pathway; cell adhesion
19	PRPF4B	pre-mRNA processing factor 4B	
20	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	cell cycle arrest; DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest; ; epidermal growth factor receptor signaling pathway; negative regulation of apoptotic process; negative regulation of cell growth; negative regulation of cell proliferation; negative regulation of epithelial cell proliferation; positive regulation of cell death; positive regulation of cell proliferation