

Table 1S Primers used for Real-time PCR

Name	Primer Sequence
CUL4B Forward	TGGAAGTTCATTTACCACCAGAGATG
CUL4B Reverse	TTCTGCTTTTAAACACACAGTGCCTA
PrxIII Forward	GAAGTTGTCGCAGTCTCAGTG
PrxIII Reverse	TCTCGGGAAATCTGCTTAGTT
CUL4A Forward	GGAAAGCACAGTGGTCGAA
CUL4A Reverse	GGGACACCTGGAATTCCTTC
DDB1 Forward	ATGACGATGGCAGCGGTATG
DDB1 Reverse	CAAGAAGACGATGGTGGAGAGG
Roc1 (Rbx1) Forward	GAACCACATTATGGATCTTTGC
Roc1 (Rbx1) Reverse	CTCTGTTGTCCAATGGACAC
GAPDH Forward	CCAGGTGGTCTCCTCTGACTT
GAPDH Reverse	GTTGCTGTAGCCAAATTCGTTGT

TABLE 2S Classification of known proteins

Category	Protein (gene) symbol
Oxidative stress	Superoxide dismutase 1, soluble; Peroxiredoxin 3
Energy metabolism	Triosephosphate isomerase 1; Glyoxalase I; NADH dehydrogenase (ubiquinone)1 beta subcomplex
Transcription modulators	Eukaryotic translation initiation factor 3, subunit 2 beta; Eukaryotic translation initiation factor 5A; Heterogeneous nuclear ribonucleoprotein K isoform b; Aspartyl-tRNA synthetase
Signaling pathway	Heat shock 70kDa protein 9B precursor; Heat shock 27kDa protein 3; Heat shock 70kDa protein 5 (glucose-regulated protein,78kDa) ; Sulfotransferase family, member 1
Cytoskeleton	Tropomyosin 3 isoform 2; Annexin A5
Other categories	Cyclin H; Non-metastatic cells 1, protein (NM23A) expressed in isoform b; Tripartite motif-containing 47; Proteasome alpha 1 subunit isoform 2; ATP binding protein associated with cell differentiation; 2B28 protein;

TABLE 3S Classification of known proteins

Category	Protein (gene) symbol
Oxidative stress	Peroxiredoxin 3
DNA replication and recombination	RuvB-like 1
Transcription modulators	Eukaryotic translation initiation factor 3, subunit 2 beta ,36kDa
Signaling pathway	Homeobox prox1;
	Chaperonin containing TCP1, subunit 6A isoform a
Cytoskeleton	F-actin capping protein alpha-1 subunit
Other categories	Proteasome alpha 1 subunit isoform
	Ras-GTPase-activating protein SH3-domain-binding protein
	Endoplasmic reticulum protein 29 isoform 1 precursor