

TABLE II
Protein copy numbers per HeLa cell

Protein names	Gene name	Median	RSD (%) ^a	Mastermix 1	Mastermix 2	Mastermix 3
14-3-3 protein sigma	SFN	1,870,568	19.81	2,364,005	1,870,568	1,604,145
26S protease regulatory subunit 6A	PSMC3	1,062,048	11.37	1,062,048	950,200	1,192,875
28S ribosomal protein S23, mitochondrial	MRPS23	223,198	17.26	223,198	203,672	282,020
28S ribosomal protein S35, mitochondrial	MRPS28	422,825	24.80	473,409	284,783	422,825
39S ribosomal protein L50, mitochondrial	MRPL50	194,935	18.14	177,937	250,001	194,935
AFG3-like protein 2	AFG3L2	369,737	41.68	369,737	412,509	165,983
ATP synthase subunit beta, mitochondrial	ATP5B	4,511,967	14.68	5,672,473	4,376,424	4,511,967
ATPase family AAA domain-containing protein 2	ATAD2	63,835	23.40	63,835	61,373	91,846
Carbonyl reductase [NADPH] 3	CBR3	79,823	94.26	79,823	61,399	322,454
Charged multivesicular body protein 6	CHMP6	83,028	67.19	122,476	43,581	-
Coiled-coil domain-containing protein 55	CCDC55	- ^b	-	-	-	-
COP9 signalosome complex subunit 5	COPS5	323,791	22.62	323,791	284,218	435,937
Cytochrome b5 reductase 4	CYBSR4	10,180	30.80	16,205	10,180	9,515
Cytochrome b-c1 complex subunit 1, mitochondrial	UQCRC1	1,022,450	19.50	1,022,450	713,318	1,025,854
Cytosolic acyl coenzyme A thioester hydrolase	ACOT7	512,746	4.79	512,746	472,208	514,556
Endoplasmic reticulum lipid raft-associated protein 2	ERLIN2	149,867	19.53	206,262	148,785	149,867
Enoyl-CoA hydratase, mitochondrial	ECHS1	2,105,336	28.10	2,965,394	1,723,133	2,105,336
Eukaryotic translation initiation factor 3 subunit 6	EIF3E	1,067,627	34.63	1,067,627	599,306	1,253,469
FACT complex subunit SSRP1	SSRP1	1,095,695	8.52	1,095,695	1,022,209	1,209,724
Fatty acid synthase	FASN	3,536,145	17.98	4,043,129	2,804,853	3,536,145
Flap endonuclease 1	FEN1	2,019,699	20.42	2,372,346	2,019,699	1,563,785
Heat shock 70 kDa protein 4	HSPA4	1,646,549	19.22	2,146,713	1,499,858	1,646,549
Hepatocellular carcinoma-associated antigen 59	C9orf78	265,003	25.76	289,516	171,397	265,003
Lysophosphatidylcholine acyltransferase 1	AYTL2	-	-	-	-	-
Mitogen-activated protein kinase scaffold protein 1	MAP2K1IP1	141,520	68.85	182,796	27,116	141,520
Mixed lineage kinase domain-like protein	MLKL	114,801	17.14	128,711	-	100,891
Nucleoprotein TPR	TPR	357,637	17.53	397,408	278,736	357,637
Peptidyl-prolyl cis-trans isomerase B	PPIB	10,502,199	29.14	15,610,836	9,112,850	10,502,199
Peroxiredoxin 6	PRDX6	8,781,079	3.07	8,881,373	8,377,838	8,781,079
Poly [ADP-ribose] polymerase 4	PARP4	63,971	7.07	60,775	67,168	-
Prefoldin subunit 1	PFDN1	476,849	36.22	476,849	523,643	243,332
Pre-mRNA-splicing regulator WTAP	WTAP	49,143	51.10	31,385	-	66,902
Probable ATP-dependent RNA helicase DDX20	DDX20	213,466	19.17	242,403	184,529	-
Proto-oncogene c-Fos	FOS	6,643	32.41	9,956	6,643	5,359
Purine nucleoside phosphorylase	NP	1,555,814	23.04	2,101,680	1,357,920	1,555,814
Ras GTPase-activating-like protein IQGAP1	IQGAP1	1,296,511	20.65	1,796,903	1,260,937	1,296,511
SRA stem-loop-interacting RNA-binding protein, mitochondrial	C14orf156	1,397,500	32.95	1,665,787	828,707	1,397,500
T-complex protein 1 subunit beta	CCT2	4,479,130	48.47	7,447,762	2,757,533	4,479,130
THO complex subunit 1	THOC1	204,962	13.16	239,173	184,576	204,962
Transitional endoplasmic reticulum ATPase	VCP	2,719,254	10.44	2,719,254	2,358,278	2,904,468
Uncharacterized protein C1orf65	C1orf65	-	-	-	-	-
Vimentin	VIM	22,886,339	15.22	22,974,646	17,376,010	22,886,339
Zinc finger protein 828	C13orf8	72,135	19.47	74,281	51,084	72,135

^a Standard error of the mean (S.E.) for the three replicates in percent.

^b No valid data obtained.