

Table SI. Genes whose expression was increased (+) or decreased (-) by more than 2-fold upon the overexpression of Nup88 in HeLa cells are listed. Data for MMPs (*) were previously reported (22). The data used to generate this table are available from Gene Expression Omnibus under accession number GSE310626.

Gene symbol	Gene name	Fold change
<i>PRDM16</i>	PR domain containing 16	+21.2
<i>XG</i>	Xg blood group	+11.2
<i>TRABD2B</i>	TraB domain containing 2B metalloprotease?	+7.42
<i>C9orf47</i>	chromosome 9 open reading frame 47	+7.31
<i>MMP12*</i>	matrix metalloproteinase 12	+6.38
<i>TUBAL3</i>	tubulin, alpha-like 3	+6.23
<i>GJB3</i>	gap junction protein, beta 3, 31kDa	+5.68
<i>SHC4</i>	SHC (Src homology 2-domain containing) family, member 4	+5.48
<i>LGALS9C</i>	lectin, galactoside-binding, soluble, 9C	+3.57
<i>IFIT1</i>	interferon-induced protein with tetratricopeptide repeats 1	+2.76
<i>ZC3HAV1</i>	zinc finger CCCH-type, antiviral 1	+2.73
<i>SLC5A10</i>	solute carrier family 5 (sodium/sugar cotransporter), member	+2.41
<i>LGALS9</i>	lectin, galactoside-binding, soluble, 9	+2.40
<i>S100A8</i>	S100 calcium binding protein A8	+2.27
<i>S100P</i>	S100 calcium binding protein P	+2.26
<i>KLHDC7B</i>	kelch domain containing 7B	+2.20
<i>NBPF6</i>	neuroblastoma breakpoint family, member 6	+2.17
<i>MYZAP</i>	myocardial zonula adherens protein	+2.14
<i>ALDH3A1</i>	aldehyde dehydrogenase 3 family, member A1	+2.08
<i>C2</i>	complement component 2	+2.07
<i>CELF5</i>	CUGBP, Elav-like family member 5	+2.05
<i>CPQ</i>	carboxypeptidase Q	-2.05
<i>EIF4E2</i>	eukaryotic translation initiation factor 4E family member 2	-2.11
<i>KMO</i>	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	-2.15
<i>MMP7*</i>	matrix metalloproteinase 7	-2.19
<i>PKDCC</i>	protein kinase domain containing, cytoplasmic	-2.19
<i>PGM5</i>	phosphoglucomutase 5	-2.22
<i>MAGI1</i>	membrane associated guanylate kinase, WW and PDZ domain	-2.44
<i>FAM110B</i>	family with sequence similarity 110, member B	-2.58
<i>SMPDL3B</i>	sphingomyelin phosphodiesterase, acid-like 3B	-2.62
<i>NR4A3</i>	nuclear receptor subfamily 4, group A, member 3	-2.71
<i>TMTC1</i>	transmembrane and tetratricopeptide repeat containing 1	-2.85
<i>MMP11*</i>	matrix metalloproteinase 11 (stromelysin 3)	-2.86
<i>GXYLT2</i>	glucoside xylosyltransferase 2	-2.87

<i>PROC</i>	protein C (inactivator of coagulation factors Va and VIIIa)	-2.98
<i>UTRN</i>	utrophin	-2.99
<i>A2M</i>	alpha-2-macroglobulin	-3.24
<i>BMPRII</i>	bone morphogenetic protein receptor, type IB	-4.01
<i>SLC22A3</i>	solute carrier family 22 (organic cation transporter), member 3	-4.93
<i>POU3F2</i>	POU class 3 homeobox 2	-6.40
<i>GPNMB</i>	glycoprotein (transmembrane) nmb	-7.15
<i>MMP24*</i>	matrix metalloproteinase 24	-7.40
<i>KIF7</i>	kinesin family member 7	-19.4
