

Supplementary table 1: List of differentially expressed mitochondrial/mitochondrial associated proteins upon TOMM22 silencing in HPAF cells.

*present in only control samples. #present in only knockdown samples

HPAF (Scr vs siTOMM22)		
Gene symbol	Protein name	Fold change
HSPD1	60 kDa heat shock protein, mitochondrial	1.5
ENO1	Alpha-enolase	2.5
ATP5F1A	ATP synthase subunit alpha, mitochondrial	2.4
ATP5F1B	ATP synthase subunit beta, mitochondrial	2.8
ALDH2	Aldehyde dehydrogenase, mitochondrial	4.0
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	2.3
MDH2	Malate dehydrogenase, mitochondrial	1.8
TUFM	Elongation factor Tu, mitochondrial	2.0
LDHB	L-lactate dehydrogenase B chain	1.8
SHMT2	Serine hydroxymethyltransferase, mitochondrial	2.3
ACSL5	Long-chain-fatty-acid--CoA ligase 5	2.4
PLIN3	Perilipin-3	7.0
P4HB	Protein disulfide-isomerase	1.7
DLST	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	2.2
ACADVL	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	1.6
VDAC1	Voltage-dependent anion-selective channel protein 1	2.5
SQOR	Sulfide:quinone oxidoreductase, mitochondrial	2.0
LGALS3	Galectin-3	1.6
PPIA	Peptidyl-prolyl cis-trans isomerase A	-1.8
SFXN1	Sideroflexin-1	1.6
DLD	Dihydrolipoyl dehydrogenase, mitochondrial	1.8
VDAC2	Voltage-dependent anion-selective channel protein 2	1.8
GLUD1	Glutamate dehydrogenase 1, mitochondrial	4.0
PHB2	Prohibitin-2	1.8
GSR	Glutathione reductase, mitochondrial	1.6
UQCRC1	Cytochrome b-c1 complex subunit 1, mitochondrial	1.8
NAMPT	Nicotinamide phosphoribosyltransferase	2.0
HSPE1	10 kDa heat shock protein, mitochondrial	-1.7
TUBB	Tubulin beta chain	2.7
HNRNPK	Heterogeneous nuclear ribonucleoprotein K	2.1
HADHB	Trifunctional enzyme subunit beta, mitochondrial	4.0
LRRC59	Leucine-rich repeat-containing protein 59	1.6
H3C1	Histone H3.1	2.1
FKBP4	Peptidyl-prolyl cis-trans isomerase FKBP4	2.0
ATP5PO	ATP synthase subunit O, mitochondrial	-1.5
CYB5R3	NADH-cytochrome b5 reductase 3	1.9
G6PD	Glucose-6-phosphate 1-dehydrogenase	1.8
HDAC2	Histone deacetylase 2	2.0
GOT2	Aspartate aminotransferase, mitochondrial	1.7

HRNR	Hornerin	4.0
FH	Fumarate hydratase, mitochondrial	2.0
ATP5F1C	ATP synthase subunit gamma, mitochondrial	4.0
MAOB	Amine oxidase [flavin-containing] B	1.9
FEN1	Flap endonuclease 1	1.8
UGP2	UTP--glucose-1-phosphate uridylyltransferase	3.1
CALR	Calreticulin	1.9
ETFA	Electron transfer flavoprotein subunit alpha, mitochondrial	3.25
SORD	Sorbitol dehydrogenase	-1.8
AKR1C4	Aldo-keto reductase family 1 member C4	6.7
DDX28	Probable ATP-dependent RNA helicase DDX28	1.6
ACAT1	Acetyl-CoA acetyltransferase, mitochondrial	2.3
SAMM50	Sorting and assembly machinery component 50 homolog	*
KRT8	Keratin, type II cytoskeletal 8	2.4
KRT7	Keratin, type II cytoskeletal 7	2.3
PLEC	Plectin	-1.5
KRT1	Keratin, type II cytoskeletal 1	4.1
ANXA2	Annexin A2	1.9
KRT18	Keratin, type I cytoskeletal 18	2.2
KRT20	Keratin, type I cytoskeletal 20	2.0
KRT2	Keratin, type II cytoskeletal 2 epidermal	3.4
KRT9	Keratin, type I cytoskeletal 9	3.8
TUBB4B	Tubulin beta-4B chain	2.5
KRT10	Keratin, type I cytoskeletal 10	3.6
TUBA1A	Tubulin alpha-1A chain	2.6
ANXA1	Annexin A1	1.9
KRT6A	Keratin, type II cytoskeletal 6A	4.9
TUBB3	Tubulin beta-3 chain	6.0
TUBB2A	Tubulin beta-2A chain	3.3
EEF1G	Elongation factor 1-gamma	2.3
TUBA4A	Tubulin alpha-4A chain	2.5
KRT5	Keratin, type II cytoskeletal 5	4.0
ANXA4	Annexin A4	1.7
KRT14	Keratin, type I cytoskeletal 14	7.0
PDIA3	Protein disulfide-isomerase A3	2.0
RPL4	60S ribosomal protein L4	1.7
LDHA	L-lactate dehydrogenase A chain	1.9
EIF2S2	Eukaryotic translation initiation factor 2 subunit 2	2.2
H1-3	Histone H1.3	3.5
KRT16	Keratin, type I cytoskeletal 16	2.9
MYH14	Myosin-14	-1.5
ALDH3A1	Aldehyde dehydrogenase, dimeric NADP-preferring	5.5
KRT15	Keratin, type I cytoskeletal 15	1.8
CLIC1	Chloride intracellular channel protein 1	1.7
ANXA3	Annexin A3	1.6
HNRNPA2B1	Heterogeneous nuclear ribonucleoproteins A2/B1	2.0
RPS8	40S ribosomal protein S8	-1.9

DDOST	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	1.9
ASPH	Aspartyl/asparaginyl beta-hydroxylase	3.2
DHX9	ATP-dependent RNA helicase A	-1.5
HNRNPH1	Heterogeneous nuclear ribonucleoprotein H	3.0
RPL18	60S ribosomal protein L18	-5.4
H1-5	Histone H1.5	3.3
PHGDH	D-3-phosphoglycerate dehydrogenase	4.0
HARS1	Histidine--tRNA ligase, cytoplasmic	1.7
ST13	Hsc70-interacting protein	2.0
GDI2	Rab GDP dissociation inhibitor beta	2.4
HNRNPA1	Heterogeneous nuclear ribonucleoprotein A1	2.2
PDIA6	Protein disulfide-isomerase A6	3.5
YARS1	Tyrosine--tRNA ligase, cytoplasmic	1.8
RTN4	Reticulon-4	2.4
MDH1	Malate dehydrogenase, cytoplasmic	1.9
RPL15	60S ribosomal protein L15	-1.7
PSMC1	26S proteasome regulatory subunit 4	1.6
NT5E	5'-nucleotidase	1.8
H2BC12	Histone H2B type 1-K	1.8
TMX1	Thioredoxin-related transmembrane protein 1	-1.5
NAPRT	Nicotinate phosphoribosyltransferase	2.2
HNRNPD	Heterogeneous nuclear ribonucleoprotein D0	1.6
YWHAQ	14-3-3 protein theta	1.6
EIF3E	Eukaryotic translation initiation factor 3 subunit E	1.9
FSCN1	Fascin	1.9
MYL6	Myosin light polypeptide 6	-1.5
H1-0	Histone H1.0	2.5
SLC16A3	Monocarboxylate transporter 4	-2.2
NPM1	Nucleophosmin	2.5
KRT23	Keratin, type I cytoskeletal 23	2.9
PSMC3	26S proteasome regulatory subunit 6A	2.0
SEPTIN7	Septin-7	2.1
NME1	Nucleoside diphosphate kinase A	-1.8
TXNRD1	Thioredoxin reductase 1, cytoplasmic	3.4
HNRNPL	Heterogeneous nuclear ribonucleoprotein L	2.0
FARSA	Phenylalanine--tRNA ligase alpha subunit	1.5
BCAP31	B-cell receptor-associated protein 31	-1.7
PRDX6	Peroxiredoxin-6	2.0
MAT2A	S-adenosylmethionine synthase isoform type-2	1.8
ARF4	ADP-ribosylation factor 4	1.6
SERPINB6	Serpin B6	1.7
FKBP1A	Peptidyl-prolyl cis-trans isomerase FKBP1A	2.0
VAPA	Vesicle-associated membrane protein-associated protein A	3.8
FDPS	Farnesyl pyrophosphate synthase	1.5
ARF6	ADP-ribosylation factor 6	1.7
RPL9	60S ribosomal protein L9	-1.6
CSTB	Cystatin-B	-2.0
ANXA5	Annexin A5	9.5

SPTLC1	Serine palmitoyltransferase 1	3.9
EIF3F	Eukaryotic translation initiation factor 3 subunit F	-1.4
RPS12	40S ribosomal protein S12	-2.4
APEX1	DNA-(apurinic or apyrimidinic site) endonuclease	1.5
LYZ	Lysozyme C	3.5
RPS5	40S ribosomal protein S5	-1.6
NARS1	Asparagine--tRNA ligase, cytoplasmic	1.6
STAT1	Signal transducer and activator of transcription 1-alpha/beta	#
ETF1	Eukaryotic peptide chain release factor subunit 1	1.6
EIF3B	Eukaryotic translation initiation factor 3 subunit B	-1.9
CAMK2B	Calcium/calmodulin-dependent protein kinase type II subunit beta	3.2
MACROH2A1	Core histone macro-H2A.1	1.9
CYP2S1	Cytochrome P450 2S1	1.8
PPP2R2A	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	2.2
SERPINH1	Serpin H1	-1.8
CANX	Calnexin	1.7
RPS16	40S ribosomal protein S16	-1.5
RPL21	60S ribosomal protein L21	#