

Supplementary Table 1:

HLA-B*24:02 derived self peptides

origin: LCL 721.221 cells / Low binding peptides (before TFA)

Peptide position

1 2 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 20

Ligands

R Y V P R A S Y
R I S P D R V Y
K Y P S P F F V
T M S A L I L T
I Y V L P M L T
Y A E K L H R L
Y S K Q M Q R F
S Y Q K V I E L
L E K S F Y Q F
N Y I E K V V A I
A Y V H M V T H F
T Y G E I F E K F
N Y G R V F S E W
V Y G P L P Q S F
K Y I S K P E N L
K Y A H M I N G F
K Y V E R I H Y I
E Y L K L L H S F
I Y I K H P H L F
K Y P L L I S R I
Y Y Q D T P K Q I
F Y H K Y F N Y L
K Y K G I F N G F
K Y I D Q K F V L
A Y H N S P A Y L
F D L D Y G F Q R
V Y V Q N V V K L
V Y V S R P S H F
S Y I A L P L T L
I L G P P P P S F
I Y I K Q I K T F
I Y A P P L P S L

Source

G1/S-specific cyclin-D3
Macrophage migration inhibitory factor
ATP-dependent RNA helicase A
Carboxypeptidase D
Leu-tRNA ligase, cytoplasmic
Dystonin
Histone deacetylase 2
Lymphokine-activated killer T-cell-originated prot. kinase
Superkiller viralicidic activity 2-like 2
Abl interactor 1
Bax inhibitor 1
NADH dehydrogenase [ubiquinone] 1 subunit C2
Sorting nexin-4
Cytochrome c oxidase subunit 4 isof. 1
Calcium-bind. prot. 39
Adenylosuccinate synthetase isozyme 2
Heme oxygenase 2
Sterol regulatory element-bind. prot. 2
Deoxynucleotidyltransferase terminal-interacting prot. 1
Rho guanine nucleotide exchange factor 2
Nucleolar prot. 16
Exostosin-2
Phosphate carrier prot., mitochondrial
Ser/thr-prot. phosphatase 2A 56 kDa reg. subunit δ isof.
SWI/SNF-related matrix-associated actin-dependent regulator
Heterogeneous nucl. ribonucleoprot. C-like 1
AP-3 complex subunit δ -1
Signal transducer and activator of transcription 2
Nodal modulator 2
Matrin-3
Retinoblastoma-like prot. 2
A-kinase anchor prot. 1

K	Y	I	Q	R	Q	E	T	I	Interferon-induced GTP-bind. prot. Mx1	
V	Y	I	H	H	F	D	R	I	MOB kinase activator 3A	
V	F	K	E	K	H	H	S	W	Ribonuclease H2 subunit B	
E	Y	V	E	K	F	Y	R	I	DNA repair prot. RAD50	
P	Q	P	D	V	F	P	L	F	Prot. AATF	
A	Y	I	N	K	V	E	E	L	Acyl-CoA-bind. prot.	
R	Y	I	A	N	T	V	E	L	Dolichyl-diphosphooligosaccharide-prot. Glycosyltr. sub. 2	
K	Y	P	D	R	V	P	V	I	γ -aminobutyric acid receptor-associated prot.	
H	Y	V	E	K	P	S	T	F	Mannose-1-phosphate guanyltransferase α	
N	Y	V	Q	A	V	E	E	F	Nucl. autoantigenic sperm prot.	
V	Y	V	V	G	T	A	H	F	TraB domain-containing prot.	
V	Y	V	K	H	S	I	S	F	AP-3 complex subunit mu-1	
I	Y	G	E	K	T	Y	A	F	Serpin B10	
N	Y	I	G	L	I	N	R	I	Interf.-induced, double-stranded RNA-activated prot. kinase	
R	Y	F	K	G	P	E	L	L	Casein kinase II subunit α	
L	Y	T	E	K	F	E	E	F	α -taxilin	
R	Y	Q	K	S	T	E	L	L	Histone H3.1t	
T	Y	I	Q	K	I	F	R	M	Peroxisomal acyl-coenzyme A oxidase 3	
N	Y	T	L	V	S	H	L	I	Methionine-tRNA ligase, cytoplasmic	
V	F	P	E	K	G	Y	S	F	Nucleolysin TIAR	
S	Y	L	P	I	S	P	T	F	Solute carrier family 23 member 2	
N	Y	G	V	L	H	V	T	F	NACHT, LRR and PYD domains-containing prot. 11	
G	Y	I	H	V	T	Q	T	F	Prot. NKG7	
E	E	T	I	E	K	M	Q	E	60S ribosomal prot. L26	
R	Y	V	K	K	L	G	D	F	Squalene synthase	
K	F	I	D	P	I	Y	Q	V	RNA polymer. I-specific transcription initiation factor	
E	Y	A	T	K	I	S	R	F	PITH domain-containing prot. 1	
K	Y	I	H	S	A	N	V	L	Mitogen-activated prot. kinase 1	
I	Y	K	P	V	T	D	F	F	Leu-rich PPR motif-containing prot., mitochondrial	
K	Y	Q	K	G	F	S	L	W	Translocating chain-associated membrane prot. 1	
K	Q	A	L	K	Y	F	N	L	Prot. sel-1 homolog 1	
I	Y	P	E	L	Q	I	E	R	F	Amyloid β A4 precursor prot.-bind. fam. B member
R	Y	F	D	P	A	N	G	K	F	Elongation factor 2
I	S	L	K	Q	A	P	L	V	H	Clathrin light chain A
I	Y	I	S	T	L	K	T	E	F	Activator of 90 kDa heat shock prot. ATPase homolog 1
I	Y	A	D	N	Q	V	M	H	F	DNA polymer. ϵ catalytic subunit A
I	Y	D	P	N	L	A	F	L	R	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase γ -2
R	Y	S	G	V	N	Q	S	M	L	ATPase family AAA domain-containing prot. 2
L	Y	A	D	V	G	G	K	Q	F	Translocon-associated prot. subunit δ
I	Y	N	G	K	L	F	D	L	L	Kinesin-like prot. KIF2C
Y	Y	M	K	D	L	P	T	S	F	Phosphatidylinositol 4-kinase α

Y Y S H L E G A R F	Nucleolar pre-ribosomal-associated prot. 1
E Y P D R I M N T F	Tubulin β -2A chain
V Y P K K E L P F F	Suppressor of tumorigenicity 7 prot.
I Y H T G T F A Q I	Lon protease homolog, mitochondrial
T Y S P A L N K M F	Cellular tumor antigen p53
V Y P E K L A T K F	Proteasome-associated prot. ECM29 homolog
V Y N E N L V H M I	Pre-mRNA-splicing factor SPF27
L P E Y S G I T S L	Dynein heavy chain 2
F Y V P A E P K L A F	60S ribosomal prot. L7
K Y P S V K V S V F V	ATP-dependent RNA helicase DDX39A
E F G Y S N R V V D L	Glyceraldehyde-3-phosphate dehydrogenase
R Y I S P D Q L A D L	Alpha-enolase
F Y V P A E P K L A F	60S ribosomal prot. L-19
K Y M P N V K V A V F	Spliceosome RNA helicase DDX39B
K Y I T Q G Q L L Q F	Elongation of very long chain fatty acids prot. 5
R Y P T S I A S L A F	Mitotic checkpoint protein BUB3
K Y P G H L A A I T L	Actin-related prot. 5
V Y S P H V L N L T L	Dynamin-1
I F K P P D P D N T F	Modulator of apoptosis 1
S G P Y G G G G Q Y F	Heterogeneous nucl. ribonucleoprot. A1
R Y P D N L K H L Y L	Thyroid transcription factor 1-associated prot.
V Y V D L G G S H V F	Ribosome biogenesis prot. BMS1 homolog
T Y P E G L E V L H F	Centromere prot. J
I Y L P I A N V A R I	Nucl. transcription factor Y subunit β
A K A D G I V S K N F	40S ribosomal prot. S21
Y F I D S T N L K T H F	Zinc finger prot. 593
K Y L P Y N H Q H E Y F	Fatty acid desaturase 2
P G V T V K D V N Q Q E	40S ribosomal prot. S19
V D G E P L G R V S F E	Peptidyl-prolyl cis-trans isomer. A
F R D G D I L G K Y V D	10 kDa heat shock prot.
K I D D I R K P G E S E E	T-complex prot. 1 subunit ϵ
Y I K S T M G K P Q R L Y	60S ribosomal prot. L10a
A L T N G I Y P H K L V F	60S ribosomal prot. L6
I L E L A G N A A R D N K	Histone H2A type 2-B
Y A S G R T T G I V M D S G D	Actin, cytoplasmic 1
L E G K V L P G V D A L S N I	Phosphoglycerate kinase 1
H A V S E G T K A V T K Y T S S K	Histone H2B type 1-B
Q V T Q P T V G M N F K T P R G P V	40S ribosomal prot. S17-like
V T Y V P V T T F K N L Q T V N V D E N	60S ribosomal prot. L31

origin: LCL 721.221 cells / High binding peptides (after TFA)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
 S F V I L V A L
 D Y G I V A D L
 Y E V S Q L K D
 G Y S N R V V D L
 T Y G E I F E K F
 R Y P T S I A S L
 A Y V H M V T H F
 L Y D P V I S K L
 N Y G R V F S E W
 K Y I T D V V K L
 N Y I G L I N R I
 S Y I E H I F E I
 V Y V Q N V V K L
 L Y T E K F E E F
 I Y K P V T D F F
 E E T I E K M Q E
 Q S V A Y L A A L L
 L Y L K V K G N V F
 V Y A A G K A E R T L
 V Y V D L G G S H V F
 I L E L A G N A A R D N K
 F Q I N Q D E E E E E D E D
 I K P S V E P S A G H D E L
 Y A S G R T T G I V M D S G D
 H A V S E G T K A V T K Y T S S

Solute carrier family 12 member 8
 Electron transfer flavoprotein subunit α , mitochondrial
 Cytosolic non-specific dipeptidase
 Glyceraldehyde-3-phosphate dehydrogenase
 NADH dehydrogenase [ubiquinone] 1 subunit C2
 Mitotic checkpoint prot. BUB3
 Bax inhibitor 1
 Microspherule prot. 1
 Sorting nexin-4
 Small subunit processome component 20 homolog
 Interferon-induced, RNA-activated prot. kinase
 Astrocytic phosphoprot. PEA-15
 AP-3 complex subunit δ -1
 Alpha-taxilin
 Leu-rich PPR motif-containing prot., mitochondrial
 60S ribosomal prot. L26
 Neurofibromin
 60S ribosomal prot. L19
 Voltage-gated potassium channel subunit β -3
 Ribosome biogenesis prot. BMS1
 Histone H2A type 2-A
 60S ribosomal prot. L22
 Stromal cell-derived factor 2-like prot. 1
 Actin, cytoplasmic 1
 Histone H2B type 1-A

origin: LCL 721.220 cells / Low binding peptides (before TFA)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
 V T L E G V P A
 I I G N S T V I
 V D V E P K V K S
 K F I D T T S K F
 V Y I K H P V S L
 I L E A G N A A R D
 R V A P E E H P V L
 F S Q F G P I E R A
 I S L K Q A P L V H
 L Y L K V K G N V F

Intercellular adhesion molecule 5
 Melanin-concentrating hormone receptor 1
 Small nucl. ribonucleoprot. Sm D1
 60S ribosomal prot. L3
 26S proteasome non-ATPase regulatory subunit 8
 Histone H2A type 2-A
 Actin, cytoplasmic 1
 Splicing factor, pro- and gln-rich
 Clathrin light chain A
 60S ribosomal prot. L19

I Y N G K L F D L L	Kinesin-like prot. KIF2C
L Y L K V K G N V F	60S ribosomal prot. L-7
V Y N E N L V H M I	Pre-mRNA-splicing factor SPF27
A A V L E Y L T A E	Histone H2A type 2-B
I L E L A G N A A R D	Histone H2A type 1-J
V L E L A G N A S K D	Histone H2A.V
F H E T L Y Q K A D D	Fructose-bisphosphate aldolase A
V S E K G T V Q Q A D E	60S ribosomal prot. L9
A L T N G I Y P H K L V	60S ribosomal prot. L6
N E F G Y S N R V V D L	Glyceraldehyde-3-phosphate dehydrogenase
F R D G D I L G K Y V D	10 kDa heat shock prot., mitochondrial
V T Y V P V T T F K N L	60S ribosomal prot. L31
I I R S M P E Q T G E K	60S ribosomal prot. L30
A Q E E P V A A P E P K	Ser/arg repetitive matrix prot. 1
P G V T V K D V N Q Q E	40S ribosomal prot. S19
F S L P I K E S E I I D	40S ribosomal prot. S2
I K S T M G K P Q R L Y	60S ribosomal prot. L10a
L S Q Q A Q L A A A E K F	Nascent polypeptide-associated complex subunit α
R F Q S S A V M A L Q E A	Probable tubulin polyglutamylase TTLL2
M I R E A D I D G D G Q V N	Calmodulin
F Q I N Q D E E E E E D E D	60S ribosomal prot. L22
E V V V T E I P K E E E K D	60 kDa heat shock prot., mitochondrial
I K P S V E P S A G H D E L	Stromal cell-derived factor 2-like prot. 1
A S T L Q S Q K A E G T G D A	nucleosome-bind. domain-containing prot. 4
F A L P V S G M D K P V F T D	Peptidyl-prolyl cis-trans isomer. NIMA-interacting 4
L V S N L N P E R V T P Q S L	Polypyrimidine tract-bind. prot. 1
V L D Q Q Q T P S R L A V T R	Leu-rich PPR motif-containing prot., mitochondrial
G F G D L K S P A G L Q V L N D	Elongation factor 1- β
I K D D E K E A E E G E D D R D	Heterogeneous nucl. ribonucleoprot. C-like 1
P K R K A E G D A K G D K A K V K D	Non-histone chromosomal prot. HMG-17
A K H A V S E G T K A V T K Y T S S K	Histone H2B type 1-B

origin: LCL 721.220 cells / High binding peptides (after TFA)

1	2	3	4	5	6	7	8	9	10	11	12
I	L	E	L	A	G	N	A	A	R	D	
A	Q	E	E	P	V	A	A	P	E	P	K

Histone H2A type 1-B/E
Ser/arg repetitive matrix prot. 1

Supplementary Table 2:

HLA-B*24:06 derived self peptides

origin: LCL 721.221 cells / Low binding peptides (before TFA)

Peptide position

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

Ligands

T A G A K L L F
D Y G I V A D L
V Y I K H P V S L
L Y I V H P T M F
K Y I N T D A K F
K Y F H P P A H L
L Y S S K L Y R F
K F I D T T S K F
V L P I V I I T F
I Y K Q D L P S L
V L P K L Y V K L
V Y G P L P Q S F
N Y V P E V S A L
V Y V Q H P I T F
T Y Q E V A Q K F
A F I K I K M A F
R Y T D V S T R Y
I F V K I L Q K L
P Y N A P T V K F
P Y A G D V S M F
D Y S S I L Q K F
K Y I Q R Q E T I
K L P V T I N K F
V Y V K H S I S F
K Y I S K P E N L
N Y F L D P V T I
I F S N V R I N L
N Y I G L I N R I
D Y V E G L R V F
I Y V G R V K S F

Source

Signal transducer and active. of transcription 2
Electron transfer flavoprot. subunit α
26S proteasome non-ATPase regulatory subunit 8
Rho GTPase-activating prot. 1
transient receptor channel 4-associated prot.
Muscleblind-like prot. 2
BTB/POZ domain-containing prot. KCTD20
60S ribosomal prot. L3-like
Transmembrane prot. 111
Heat shock prot. 105 kDa
Putative 40S ribosomal prot. S26-like 1
Cytochr. c oxidase subunit 4 isof. 1, mitoch.
40S ribosomal prot. S17-like
Lipopolysaccharide-ind. tumor necrosis α factor
Adenosine deaminase CECR1
Double-strand-break repair prot. rad21 homolog
Thioredoxin-related transmembrane prot. 2
Nucl. pore complex prot. Nup133
Ubiquitin-conjugating enzyme E2 C
Plasminogen activator inhibitor 2
Formin-bind. prot. 1
Interferon-induced GTP-bind. prot. Mx
AP-2 complex subunit α -1
AP-3 complex subunit μ -1
Calcium-bind. prot. 39
Tripartite motif-containing prot.
Caveolin-1
Interf.-ind., double-str. RNA-activ. prot. kinase
Myosin light polypeptide 6
Retinoblastoma-like prot. 1

D Y A E T V H Q L
 K Y T P P P H H I
 E Y P I V D G K L
 A Y S D V A K R L
 V Y P D G I R H I
 V Y Q H L F T R I
 V Y I D K V R S L
 I F H D I S L R F
 K Y F H P P A H L
 I F H D I S L R F
 R Y Q D I I H S I
 I F V D E V F K I
 L Y H D I F S R L
 K Y P D R V P V I
 S Y I S R T N Q L
 V I H K I F S K F
 S Y S Q A V T G F
 V Y G V V P I S L
 R F L D D L G L K
 V F K T T L N E F
 V Y K E E I S R F
 Y V I Q K F F E F
 L Y H A I S N H L
 T Y V E N L R L L
 Q S V A Y L A A L L
 K L P D F L T A K L
 I F V N I L T H N L
 T F H D H A L M I I
 V Y F A E R V T S L
 A L P V I I F T T F
 I Y P E L Q I E R F
 E Y P D R I M N T F
 T Y N D F I N K E L
 V F F E V S P V S F
 I Y P V D L G D K F
 V L K P G M V V T F
 R Y F D P A N G K F
 V Y K D M P E T S F
 V F F K E L I Q E F
 A Y V H M V T H F I
 I A V Q E L L Q L K

Spectrin β chain, brain 1
 NADH dehydrogenase iron-sulfur prot. 5
 Hydroxymethylglutaryl-CoA synthase, mitochondrial
 Chloride intracellular channel prot. 4
 Splicing factor 3B subunit 3
 AP-5 complex subunit ζ -1
 Lamin-B1
 28S ribosomal prot. S5, mitochondrial
 Muscleblind-like prot. 2
 28S ribosomal prot. S5, mitochondrial
 Tyrosine-prot. kinase BAZ1B
 E3 ubiquitin-prot. ligase UHRF1
 Nucl. factor erythroid 2-related factor 3
 γ -aminobutyric acid receptor-associated prot.
 Prot. ELYS
 Eukar. transl. initiation factor 3 subunit B
 Mitoch. carrier homolog 2
 E3 ubiquitin-prot. ligase RNF19B
 Desmoglein-2
 Ser/thr-prot. kinase RIO3
 Transcription factor A, mitochondrial
 Pumilio homolog 1
 TEL02-interacting prot. 2
 Nesprin-2
 Neurofibromin
 Apoptosis inhibitor 5
 Nardilysin
 Cytochrome c oxidase subunit 2
 Cysteine-rich prot. 1
 V-type proton ATPase subunit e 2
 Amyloid β A4 precursor prot.-bind. family B
 Tubulin β -4B chain
 DNA topoisomer. 2- β
 2-oxoglutarate/iron-dep. domain-containing prot. 1
 DNA-dir. RNA polymer. I, II, III subunit RPABC3
 Elongation factor 1- α 1
 Elongation factor 2
 Afadin
 Monocarboxylate transporter 4
 Bax inhibitor 1
 Bifunctional glutamate/proline-tRNA ligase

L Y A D V G G K Q F
 I K Y P E N F F L L
 R Y F D P A N G K F
 V Y K D M P E T S F
 I Y A D N Q V M H F
 V Y S K D Q L Q T F
 K F P S L F I N Q F
 R F P E E L T Q T F
 R Y V F Q S E N T F
 P I Y P E V V H M F
 M L P L L S P V T F
 E Y V Q D F L N H L
 Y L P N Q L F R T F
 L Y N P K I T S E L
 A F I R V V G S E F
 L V V Y P W T Q R F
 I Y Q D S F E Q R F
 S F I T K I I S K F
 I Y K P V T D F F L
 A Y F N E K M S I L
 K I I E D L G V H F
 N F G P M K G G N F
 S Y V S I H S S G F
 V F S T V V I H F L
 M Y R P A Y L V T L
 V Y K D H Q T I T I
 I Y H N P T A N S F
 L Y Q D Q I L E K F
 V Y R K P K W N H L
 L N E K G Q D T G A
 S Y K E E I V H Q L
 I Y P S I N P P T L
 R Y T V G G L E T F
 R L P E V E V P Q H L
 D Y F S E R I K N Q F
 K Y P K G A G R V A F
 I Y F P K K E A V T F
 F Y V P A E P K L A F
 V Y V I E P H S M E F
 P Y F P H A D T I I Y
 D Y V E I N I D H K F

Translocon-associated protein subunit delta
 Ser/thr-prot. phosphatase PP1- β catalytic subunit
 Elongation factor 2
 Afadin
 DNA polymerase ϵ catalytic subunit A
 Beta-centractin
 Threonylcarbamoyladenos. tRNA methylthiotransf.
 Elongation factor 1- γ
 Suppressor of fused homolog
 Ser/thr-prot. phosphat. 2A regulatory subunit
 Cdc42 effector prot. 3
 Polyadenylate-bind. prot.-interacting prot. 1
 ATP-dependent RNA helicase DDX1
 Telomere-associated prot. RIF1
 26S protease regulatory subunit
 Hemoglobin subunit β
 Cullin-4B
 Prot. TANC1
 Leu-rich PPR motif-containing prot., mitoch.
 Probable ATP-dependent RNA helicase DDX10
 Small subunit processome component 20 homolog
 Heterogeneous nucl. ribonucleoprot. A1-like 2
 Spliceosome RNA helicase DDX39B
 3-hydroxy-3-methylglutaryl-coenzyme A reductase
 COMM domain-containing prot. 3
 DNA replication licensing factor MCM3
 Vasodilator-stimulated phosphoprot.
 Tubulin ϵ chain
 Fatty acid desaturase 2
 Myoferlin
 Adenylate kinase isoenzyme 6
 Cell differentiation prot. RCD1 homolog
 Tyr-prot. phosphatase non-receptor type 6
 Nucleobindin-1
 Prot. FAM111B
 Cytoplasmic polyadenylation element-bind. prot. 2
 Phospholipase A-2-activating prot.
 60S ribosomal prot. L7
 Nucl. pore membrane glycoprot. 210
 Transmembrane prot. 135
 Vigilin

I Y V N P A N T H Q F
 A Y A A K N A V T Q F
 I Y S P D H T N N S F
 V F I H K D K G F G F
 S K P V F S E S L S D
 M Y I K Q V I I Q G F
 V L M T Q Q P R P V L
 S Y P M V L G A Q H F
 T F A P S T I I F H L
 Y Y P T E D V P R K L
 R Y I S P D Q L A D L
 S E M E V Q D A E L K
 M I N T D L S R I L K
 G I F M K P S E L L K
 I Y V G D G Y V V H L
 R Y P T S I A S L A F
 T F P N I A S A T K F
 T Y V P V T T F K N L
 T Y T D V T P R Q F F
 I Y V D Q N I H E Q L
 T Y V P V T T F K N L
 T Y T D V T P R Q F F
 N L P D E E I F Q Q L
 N Y S T V P Q K Q T L
 K Y Q E V T N N L E F
 I Y S P D H S S N N F
 I Y G E K F E D E N F
 I Y P D Q K E N T H F
 V H A V Q A L W K Q F
 P F F N P I Q T Q V F
 R F P P Y H V G Q T F
 L Y P N I D K D H A F
 V Y K H I K E A G M F
 N F F P Y G D A S K F
 K Y I D K T I R V K F
 S L P S A S H F S Q L
 R F V N V V P T F G K
 D Y K D N F G S S S F
 V Y R D G T G V V E F
 I F K P P D P D N T F
 P Y A P S G E I P K F
 V F P S M P I K L Q L

DDB1- and CUL4-associated factor 8
 Putat. cytochr. b-c1 complex subunit
 Transcription factor 4
 Non-POU domain-containing octamer-bind. prot.
 Mitoch. membr. translocase subunit Tim8 A
 Structural maintenance of chromosomes prot. 3
 H/ACA ribonucleoprot. complex subunit 3
 E3 ubiquitin-prot. ligase TRIM21
 Dolichyl-diphosphooligosaccharide-prot. Glycosyltr.
 60S ribosomal prot. L6
 Alpha-enolase
 Proliferation-associated prot. 2G4
 60S ribosomal prot. L4
 Stromal cell-derived factor 2
 HRAS-like suppressor 2
 Mitotic checkpoint prot. BUB3
 Heme oxygenase 1
 60S ribosomal prot. L31
 StAR-rel. lipid transfer prot. 7, mitochondrial
 Ubiquitin conjugation factor E4 A
 60S ribosomal prot. L31
 StAR-rel. lipid transfer prot. 7, mitochondrial
 COMM domain-containing prot. 8
 Zinc finger CCCH domain-containing prot. 14
 Caprin-1
 Transcription factor E2- α
 Peptidyl-prolyl cis-trans isomer. D
 Chitinase-3-like prot. 2
 Interleukin-32
 U5 small nucl. ribonucleoprot. 200 kDa helicase
 DNA-bind. prot. A
 Signal transd. and active. of transcription 1- α/β
 Choline-phosphate cytidyltransferase A
 Neuron-specific calcium-bind. prot. hippocalcin
 U6 snRNA-associated Sm-like prot. LSm7
 Prot. PRRC2C
 40S ribosomal prot. S30
 Cyclin-dependent kinase 13
 Ser/arg-rich splicing factor 1
 Modulator of apoptosis 1
 UDP-glucose 6-dehydrogenase
 NMDA receptor-regulated prot. 2

D Y I D P A I M K K L
 S Y F P E I T H I V I
 K Y M P S V K V S V F
 G Y A G E L G F R A F
 F A S E N D L P E W K
 I Y N S I N G A I T Q F
 V Y A I R E A A T N N L
 G F G D S R G G G N F
 I Y G E K F E D E N F I
 S L V S K G T L V Q T K
 A R V I T E E E K N F K
 G F V K V V K N K A Y F
 V Y G D V Q R V K I L F
 I Y I D S N N N P E R F
 R L P D G T S L T Q T F
 Y F I D S T N L K T H F
 P Y A A S P A T A A S F
 R L A K A D G I V S K N F
 V Y T P V G K A E Q G K F
 P Y A N Q P T V R I T E L
 I L E L A G N A A R D N K
 M V V E S A Y E V I K L K
 V F V S E G K I L T T G F
 E Q I S D I D D A V R K L
 I Y T G H I Y G E E G S F
 V L E L A G N A S K D L K
 Y I K S T M G K P Q R L Y
 I L E L A G N A A R D N K
 R Y P F H D S D P S A L F
 N Y P E Q K V V T V G Q F
 D Y A S A F Q G H D V G F
 V G V P R S I A A N M T F
 A L G D P K A P G L G A F
 I K P S V E P S A G H D E L
 Q G S V Q K V Y N G L Q G Y
 A S I K K G E D F V K T L K
 T Y F P H F D L S H G S A Q V
 Y A S G R T T G I V M D S G D
 I V K T L E D I D L G P T E K
 I E D L S Q Q A Q L A A A E K
 L Q A L D F F G N P P V N Y K

Nucl. GTP-bind. prot. 1
 Tyrosine-prot. kinase JAK1
 ATP-dependent RNA helicase DDX39A
 Ubiquitin fusion degradation prot. 1 homolog
 Ran-specific GTPase-activating prot.
 Zinc finger prot. RFP
 Ser/thr-prot. phosphat. 2A regul. A β isof.
 Heterogeneous nucl. ribonucleoprot. A2/B1
 Peptidyl-prolyl cis-trans isomer. A
 Histone H1.5
 60S ribosomal prot. L13
 60S ribosomal prot. L5
 Polypyrimidine tract-bind. prot. 1
 Clathrin hc 1
 UBX domain-containing prot. 1
 Zinc finger prot. 593
 RNA-bind. prot. 38
 40S ribosomal prot. S21
 Puromycin-sensitive aminopeptidase-like prot.
 DNA-directed RNA polymerase II subunit RPB3
 Histone H2A type 1
 L-lactate dehydrogenase B chain
 Coronin-1A
 RNA polymer. II transcriptional coactivator p15
 Disintegrin and metalloproteinase prot. 10
 Histone H2A.V
 60S ribosomal prot. L10a
 Histone H2A type 1-J
 Tribbles homolog 1
 Vacuolar prot. sorting-associated prot. 29
 Oxidoreductase HTATIP2
 DNA-directed RNA polymerase II subunit RPB1
 DNA-dependent protein kinase catalytic subunit
 Stromal cell-derived factor 2-like prot. 1
 DnaJ homolog subfamily B member 11
 Malate dehydrogenase, mitochondrial
 Hemoglobin subunit α
 Actin, cytoplasmic 1
 Citrate lyase subunit β -like prot., mitochondrial
 Nascent polypeptide-associated complex subunit α
 Gamma-interf.-inducible lysosomal thiol reductase

L A G E E L A G E E A P Q E K	Hepatoma-derived growth factor-related prot. 2
H G S Y E D A V H S G A L N D	T-complex prot. 1 subunit α
L E G K V L P G V D A L S N I	Phosphoglycerate kinase 1
A G N L G G G V V T I E R S K	60S ribosomal prot. L22
S S K Q A K D V S R M R S V L	Clathrin light chain A
V L L P K K T E S H H K A K G	Histone H2A type 2-A
A Q L G G P E A A K S D E T A A	Heat shock prot. β -1
I Y K G F E S P S D N S S A M L	Actin-related prot. 2/3 complex subunit 5
L F V G N L P A D I T E D E F K	Splicing factor, pro- and gln-rich
T S A S F V N K Q P T L Q A A E L	TATA-bind. prot.-associated factor 172
H A V S E G T K A V T K Y T S A K	Histone H2B type 1-J
V G D V G Q T V D D P Y A T F V K	Cofilin-1
V Y I P V G G S Q H G L L G T L F	Prot.-cys N-palmitoyltransferase HHAT
A S M H P V T A M L V G K D L K V D	Leukotriene A-4 hydrolase
M V V N E G S D G G Q S V Y H V H L	His triad nucleotide-bind. prot. 1
A A N D A G Y F N D E M A P I E V K	3-ketoacyl-CoA thiolase, mitochondrial
D G R G A L Q N I I P A S T G A A K	Glyceraldehyde-3-phosphate dehydrogenase
A S S E G G T A A G A G L D S L H K	Actin-related prot. 2/3 complex subunit 1B
M A G S S R K E A E S S P F V E R L L	Endoplasmin
A I V E A L N G K E V A A Q V K A P L V L K D	Prot. DJ-1

origin: LCL 721.221 cells / High binding peptides (after TFA)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
P	V	T	T	F	K	N	L											60S ribosomal prot. L31
V	Y	I	K	H	P	V	S	L										26S proteasome non-ATPase regulatory subunit 8
A	Y	V	H	M	V	T	H	F										Bax inhibitor 1
K	F	I	D	T	T	S	K	F										60S ribosomal prot. L3
V	L	P	K	L	Y	V	K	L										Putative 40S ribosomal prot. S26-like 1
V	A	A	G	S	Y	Q	R	F										Polyamine-modulated factor 1
P	F	V	D	H	V	F	T	F										Ribosome biogenesis prot. BRX1 homolog
T	Y	G	E	I	F	E	K	F										NADH dehydrogenase [ubiquinone] 1 subunit C2
R	Y	P	T	S	I	A	S	L										Mitotic checkpoint prot. BUB3
V	Y	G	P	L	P	Q	S	F										Cytochrome c oxidase subunit 4 isof. 1, mitochondrial
S	Y	M	G	H	F	D	L	L										Splicing factor 3B subunit 5
N	Y	G	R	V	F	S	E	W										Sorting nexin-4
I	F	T	P	I	V	E	H	L										RNA-bind. prot. PNO1
S	F	S	T	V	H	E	K	F										WD repeat-containing prot. 36
D	Y	A	E	T	V	H	Q	L										Spectrin β chain, brain 1
N	Y	F	L	D	P	V	T	I										Tripartite motif-containing prot.
V	L	P	A	F	T	S	N	L										Poly [ADP-ribose] polymerase 4

I	Y	K	Q	D	L	P	S	L	Heat shock prot. 105 kDa	
S	Q	M	K	S	Y	Q	S	F	General transcription factor 3C polypeptide 1	
I	Y	T	S	S	V	N	R	L	Coatomer subunit β	
P	Y	A	G	D	V	S	M	F	Plasminogen activator inhibitor 2	
D	Y	G	I	V	A	D	L	F	Electron transfer flavoprotein subunit α , mitochondrial	
V	Y	I	D	K	V	R	S	L	Lamin-B1	
K	Y	A	H	M	I	N	G	F	Adenylosuccinate synthetase isozyme 2	
D	Y	A	E	V	S	N	T	F	DNA-directed RNA polymerase III subunit RPC3	
K	F	T	P	V	A	S	K	F	Zyxin	
L	Y	T	E	K	F	E	E	F	Alpha-taxilin	
P	Q	P	D	V	F	P	L	F	Prot. AATF	
V	Y	V	V	G	T	A	H	F	TraB domain-containing prot.	
Y	Y	F	P	V	K	N	V	I	Splicing factor 3B subunit 3	
T	Y	Q	D	I	Q	N	T	I	DNA-directed RNA polymerase II subunit RPB1	
I	Y	I	K	Q	I	K	T	F	Retinoblastoma-like prot. 2	
V	Y	I	K	H	P	V	S	L	26S proteasome non-ATPase regulatory subunit 8	
D	Y	M	K	T	T	S	N	F	Nucl. export mediator factor NEMF	
D	Y	V	E	G	L	R	V	F	Myosin light polypeptide 6	
K	Y	P	E	N	F	F	L	L	Ser/thr-pro. phosphatase PP1- β catalytic subunit	
S	Y	I	E	H	I	F	E	I	Astrocytic phosphoprot. PEA-15	
N	Y	V	Q	A	V	E	E	F	Nucl. autoantigenic sperm prot.	
H	Y	V	E	K	P	S	T	F	Mannose-1-phosphate guanyltransferase α	
V	F	P	A	I	A	Q	E	I	Cell division control prot. 6 homolog	
A	Y	V	E	L	V	H	H	I	CDK5 regulatory subunit-associated prot. 1	
K	Y	T	P	P	P	H	H	I	NADH dehydrogenase [ubiquinone] iron-sulfur prot. 5	
I	Y	G	E	K	T	Y	A	F	Serpin B10	
K	Y	P	D	R	V	P	V	I	γ -aminobutyric acid receptor-associated prot.	
P	Y	V	N	N	V	P	H	L	Methionine--tRNA ligase, cytoplasmic	
S	Y	A	Q	Y	V	H	N	L	39S ribosomal prot. L48	
E	Y	S	K	Q	M	Q	R	F	Histone deacetylase 1	
A	Y	S	D	V	A	K	R	L	Chloride intracellular channel prot. 4	
E	Y	V	V	V	P	S	T	F	Calpain-1 catalytic subunit	
K	Y	V	S	I	N	S	T	L	Prot. FAM208B	
I	Y	K	P	V	T	D	F	F	Leu-rich PPR motif-containing prot., mitochondrial	
D	Y	S	S	I	L	Q	K	F	Formin-bind. prot. 1	
E	Y	Y	D	K	H	F	T	E	F	V-type proton ATPase catalytic subunit A
I	Y	S	T	V	D	D	D	H	F	Replication prot. A 32 kDa subunit
I	Y	Y	T	G	K	Y	Q	S	L	Probable E3 ubiquitin-prot. ligase MYCBP2
V	Y	A	H	I	Y	H	Q	H	F	MOB kinase activator 1A
R	Y	F	D	P	A	N	G	K	F	Elongation factor 2
A	Y	F	P	E	L	I	A	N	F	Solute carrier family 25 member 46

A F I R V V G S E F	26S protease regulatory subunit 6B
Y Y S H L E G A R F	Nucl. pre-ribosomal-associated prot. 1
S F A K I Y A D T F	116 kDa U5 small nucl. ribonucleoprot. component
T Y T D V T P R Q F	StAR-related lipid transfer prot. 7, mitochondrial
L Y A D V G G K Q F	Translocon-associated prot. subunit δ
R Y P P K S G N Y F	E3 ubiquitin-prot. ligase MGRN1
I Y P V D L G D K F	DNA-directed RNA polymerases I, II, and III subunit RPABC3
E Y P D R I M N T F	Tubulin beta-2A chain
I Y I S T L K T E F	Activator of 90 kDa heat shock prot. ATPase homolog 1
N Y V N K I K N R F	Paired amphipathic helix prot. Sin3a
E Y Y D K A F D R I	Eukaryotic translation initiation factor 3 subunit D
K Y V L G Y K Q T L	60S ribosomal prot. L30
P Y T D V N I V T I	Isocitrate dehydrogenase [NAD] subunit α , mitochondrial
R F P E E L T Q T F	Elongation factor 1- γ
A Y V K G G L S T F	Exocyst complex component 2
I Y K D L P F E T L	39S ribosomal prot. L39, mitochondrial
R Y F D G N L E K L	E3 ubiquitin-prot. ligase
P Y A K P I P A Q F	pre-mRNA 3' end processing prot. WDR33
H Y Y R G N Y M T F	ATP-bind. cassette sub-family F member 1
E Y I A A F L S H F	BRCA1-A complex subunit BRE
R Y Y P A K I E A I	PHD finger prot. 20-like prot. 1
I Y P E L Q I E R F	Amyloid β A4 precursor prot.-bind. family B member 1
V F V G N I D D H F	Digestive organ expansion factor
V Y V P K E E Q L F	Torsin-3a
Q F I E P F E E K F	CCR4-NOT transcription complex subunit 10
K Y Y E D N K Q F F	NADH dehydrogenase [ubiquinone] 1 α subcomplex subunit 12
V F P L L V A E T F	Deoxyhypusine synthase
Y Y M K D L P T S F	Phosphatidylinositol 4-kinase α
F Y Y D G K V M K L	DNA topoisomer. 1
Q Y V E D G I G H E F	80 kDa MCM3-associated prot.
E Y A K P T R L N V F	Heterogeneous nuclear ribonucleoprot. L
E Y F R V P D S A T F	Vacuolar prot. sorting-associated prot.
S Y A K L L G H Q N L	Hyaluronan mediated motility receptor
D Y F S E R I K N Q F	Prot. FAM111B
N Y V N S I I V H K F	Prot. CLEC16A
R Y P D N L K H L Y L	Thyroid transcription factor 1-associated prot. 26
K Y I T Q G Q L L Q F	Elongation of very long chain fatty acids prot. 5
R V A P V P L Y N S F	Kynureninase
V F I N K G K G F G F	Splicing factor, pro- and gln-rich
I F K P P D P D N T F	Modulator of apoptosis 1
R N P P G F A F V E F	Ser/arg-rich splicing factor 3

T F P N I A S A T K F	Heme oxygenase 1
M Y I K Q V I I Q G F	Structural maintenance of chromosomes prot. 3
K Y P D E N G F D A F	Nardilysin
V Y V I E P H S M E F	Nucl. pore membrane glycoprot. 210
I Y S P D H T N N S F	Transcription factor 4
K Y I D K T I R V K F	U6 snRNA-associated Sm-like prot. LSM7
E Y V E A V S F Q H F	Translin-associated prot. X
R F P P Y H V G Q T F	DNA-bind. prot. A
G Y A D K N L I A K W	Prot. BUD31 homolog
V H A V Q A L W K Q F	Interleukin-32
S Y P M V L G A Q H F	E3 ubiquitin-prot. ligase TRIM21
L Y P N I D K D H A F	Signal transducer and activator of transcription 1- α/β
R Y I S P D Q L A D L	Alpha-enolase
T F A N I K L F N K F	Iron-responsive element-bind. prot. 2
N L P D E E I F Q Q L	COMM domain-containing prot. 8
V F V P R D V P E S F	WD repeat-containing prot. 75
I Y V G D G Y V V H L	HRAS-like suppressor 2
H Y V D L K D R P F F	Nucleoside diphosphate kinase A
V Y V D L G G S H V F	Ribosome biogenesis prot. BMS1 homolog
I Y V N P A N T H Q F	DDB1- and CUL4-associated factor 8
Q Y Q D T K G F S T W	Moesin
R Y A P G D A V E K W	N-acetyltransferase 10
T Y A A L N S K A T F	Ras GTPase-activating-like prot. IQGAP1
I Y K D D I S N S S F	Ras-related GTP-bind. prot. C
L Y Y D E K K M A N F	Hypoxia-inducible factor 1- α inhibitor
R W P K K S A E F L L	60S ribosomal prot. L17
R Y V E Q K A G I T F	ATP-dependent RNA helicase DDX50
K Y M P N V K V A V F	Spliceosome RNA helicase
W Y V H P Q V L Q S F	Chromatin assembly factor 1 subunit A
V F I H K D K G F G F	Non-POU domain-containing octamer-bind. prot.
T F A P S T I I F H L	Dolichyl-diphosphooligosaccharide-prot. glycosyltransferase
K Y M P S V K V S V F	ATP-dependent RNA helicase DDX39A
I Y I D S N N N P E R F	Clathrin hc 1
S L V S K G T L V Q T K	Histone H1.5
Y F I D S T N L K T H F	Zinc finger prot. 593
A Y V S D L G K V F S F	E3 ISG15-prot. ligase HERC5
A L S T G E K G F G Y K	Peptidyl-prolyl cis-trans isomer. A
I Y N S I N G A I T Q F	Zinc finger prot. RFP
A Y A D T K L A N V L F	Dehydrogenase/reductase SDR family member 13
D Y A S A F Q G H D V G F	Oxidoreductase HTATIP2
I L E L A G N A A R D N K	Core histone macro-H2A.1
V L E L A G N A S K D L K	Histone H2A.Z

S K P V F S E S L S D
 T Y V P V T T F K N L
 R Y I S P D Q L A D L
 Y Y P T E D V P R K L
 V F I H K D K G F G F
 S N F G P M K G G N F
 L Y P N I D K D H A F
 V L M T Q Q P R P V L
 V H A V Q A L W K Q F
 F Y V P A E P K L A F
 R L P K S P P Y T A F
 D K F K Y D D A E R R F
 Y F I D S T N L K T H F
 R L P D G T S L T Q T F
 S L V S K G T L V Q T K
 G F G D S R G G G N F
 A R V I T E E E K N F K
 N A V K Y L Q S L E R S
 A H A E D S V M D H H F
 K L P K Q P V I V K A K F
 I Y T G H I Y G E E G S F
 I L E L A G N A A R D N K
 T Y F P H F D L S H G S A
 P Y Q Y P A L T P E Q K K
 I Y I D S N N N P E R F L
 V F V S E G K I L T T G F
 G F V K V V K N K A Y F K
 V L E L A G N A S K D L K
 V Y F K P S L T P S G E F
 F A D K V P K T A E N F R
 V L K Q V H P D T G I S S K
 Q G S V Q K V Y N G L Q G Y
 K E E I I K T L S K E E E T
 M V A K E A R N V T M E T E
 D Y S G Y Q R D G Y Q Q N F
 F E E E A K N P G L E T H R
 V N V T F E G S N G T P L I
 P D R I M N T F S V V P S P K
 S D G V I K V F N D M K V R K
 P G V T V K D V N Q Q E F V R
 Q A Q N T V T L A T S I K E K

Mitoch. membr. translocase subunit Tim8 A
 60S ribosomal prot. L31
 Alpha-enolase
 60S ribosomal prot. L6
 Non-POU domain-cont. octamer-bind. prot.
 Heterogen. nucl. ribonucleoprot. A1-like 2
 Signal transd. active. of transcr. 1- α/β
 H/ACA ribonucleoprot. complex subunit 3
 Interleukin-32
 60S ribosomal prot. L7
 Eukar. translation initiation factor 4B
 Elongation factor 1- δ
 Zinc finger prot. 593
 UBX domain-containing prot. 1
 Histone H1.2
 Heterogeneous nuclear ribonucleoprot. A2/B1
 60S ribosomal prot. L13
 C-C motif chemokine 17
 Plasminogen activ. inhib. 1 RNA-bind. prot.
 60S ribosomal prot. L27a
 Disintegrin, metalloprot. domain prot. 10
 Histone H2A type 1-B/E
 Hemoglobin subunit α
 Fructose-bisphosphate aldolase A
 Clathrin hc 1
 Coronin-1A
 60S ribosomal prot. L5
 Histone H2A.V
 Nuclear pore complex prot. Nup153
 Peptidyl-prolyl cis-trans isomer. A
 Histone H2B type F-S
 DnaJ homolog subfamily B member 11
 60S ribosomal prot. L19
 Signal recognition particle 9 kDa prot.
 Caprin-1
 Aprataxin
 Capsid polyprot.
 Tubulin beta-3 chain
 Cofilin-1
 40S ribosomal prot. S19
 Citrate lyase subunit β -like prot.

H G S Y E D A V H S G A L N D
 L A G E E L A G E E A P Q E K
 R G G C G V V G G G S C S S V
 A S N E D V T K A V D I T T P K
 S Y V G D E A Q S K R G I L T L
 L F V G N L P A D I T E D E F K
 S A S E H S S S A E S E R S Y K
 A W V E S R E K Q A K G D T E F
 S M G S Q E D D S G N K P S S Y S
 H A V S E G T K A V T K Y T S S K
 P P A E N S S A P E A E Q G G A E
 A Y V R L A P D Y D A L D V A N K
 D G R G A L Q N I I P A S T G A A K
 A S S E G G T A A G A G L D S L H K
 A Y V D L E K D F A A E V V H P G D L K
 K A S K T A E N A T S G E T L E E N E A G D

T-complex prot. 1 subunit α
 Hepatoma-der. growth factor-related prot. 2
 Zinc finger prot. 609
 PC4 and SFRS1-interacting prot.
 Actin, cytoplasmic 1
 Splicing factor, pro- and gln-rich
 Pre-mRNA-processing factor 40 homolog A
 Calcyclin-bind. prot.
 COP9 signalosome complex subunit 3
 Histone H2B type 1-C
 Nuclease-sensitive element-bind. prot. 1
 60S ribosomal prot. L23a
 Glyceraldehyde-3-phosphate dehydrogenase
 Actin-related prot. 2/3 complex subunit 1B
 Tyrosine--tRNA ligase, cytoplasmic
 Proliferation-associated prot. 2G4

origin: LCL 721.220 cells / High binding peptides (after TFA)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 H L T D A Y F K
 K Y G P V F S F
 L Y W S H P R K F
 V Y A Q V A R L F
 T F S D V E A H F
 V A A G S Y Q R F
 L Y S E V D V H F
 I F A S F N D T F
 H W V E F Q N K F
 Y Y T R L G N D F
 D Y S S I L Q K F
 V Y V V G T A H F
 R F I G A T A N F
 E E T I E K M Q E
 I F T N T V A R F
 T Y G E I F E K F
 I Y K Q D L P S L
 K F I D T T S K F
 V F P E K G Y S F
 P F V D H V F T F
 D Y A E T V H Q L

60S ribosomal prot. L6
 Lanosterol 14-alpha demethylase
 40S ribosomal prot. S29
 Paired amphipathic helix prot. Sin3a
 Zinc finger prot. 280C
 Polyamine-modulated factor 1
 Pogo transposable element with ZNF domain
 40S ribosomal prot. S14
 V-type proton ATPase 116 kDa subunit a isof. 2
 40S ribosomal prot. S17-like
 Formin-bind. prot. 1
 TraB domain-containing prot.
 Ribonuclease H2 subunit C
 60S ribosomal prot. L26
 A-kinase anchor prot. 11
 NADH dehydrogenase [ubiquinone] 1 subunit C2
 Heat shock prot. 105 kDa
 60S ribosomal prot. L3
 Nucleolysin TIAR
 Ribosome biogenesis prot. BRX1 homolog
 Spectrin β chain, brain 1

V Y G P L P Q S F
 R Y P T S I A S L
 I F T D L S S R F
 I Y K A P S E N W
 T F A G I E N K F
 D Y G I V A D L F
 R W A P N E N K F
 E E L I E K M Q E
 I Y Q K P F Q T L
 A Y V H M V T H F
 K Y P A S T V Q I
 I Y G Y V A E Q F
 T Y P D V N N S I
 V F P A I A Q E I
 V F P D K G Y S F
 S Q M K S Y Q S F
 P Y N A P T V K F
 K Y P D I I S R I
 I L P K E L Q T W
 I F S K I V S L F
 V Y I K H P V S L
 E F P S I K T E F
 Y Y N K V S T V F
 I D A G Y R H I D
 I Y A P K L Q E F
 N Y Y E V H K E L F
 I Y P E L Q I E R F
 A Y V S R L P A A F
 H Y P Q F S G Q S F
 T Q P G T G W V Q F
 D Y A A I R D N Y F
 R F P E E L T Q T F
 I Y S T V D D D H F
 T Y F N G D L K N F
 V L K P G M V V T F
 Y L P N Q L F R T F
 P Y A K P I P A Q F
 I Y K D L P F E T L
 A F I R V V G S E F
 Y Y P A Q G V Q Q F
 V W A A V P G K T F

Cytochrome c oxidase subunit 4 isof. 1, mitochondrial
 Mitotic checkpoint prot. BUB3
 X-ray repair cross-complementing prot. 5
 DNA (cytosine-5)-methyltransferase 1
 Calcium-bind. mitochondrial carrier prot. Aralar2
 Electron transfer flavoprotein subunit α , mitochondrial
 Actin-related prot. 2/3 complex subunit 1B
 60S ribosomal prot. L26-like 1
 Atlastin-2
 Bax inhibitor 1
 Nucl. prot. 56
 Signal peptidase complex subunit 1
 Vacuolar prot. sorting-associated prot. 26^a
 Cell division control prot. 6 homolog
 Nucleolysin TIA-1 isof. p40
 General transcription factor 3C polypeptide 1
 Ubiquitin-conjugating enzyme E2 C
 DNA ligase 1
 Zinc finger prot. 24
 Putative eukar. transl. initiation factor 2 subunit 3
 26S proteasome non-ATPase regulatory subunit 8
 Centromere-associated prot. E
 Eukaryotic translation initiation factor 3 subunit A
 Aldo-keto reductase family 1 member
 G1/S-specific cyclin-E2
 Prot. regulator of cytokinesis 1
 Amyloid β A4 precursor prot.-bind. family B member 1
 Acyl carrier prot., mitochondrial
 Arylsulfatase A
 Adaptin ear-bind. coat-associated prot. 2
 Ras-related prot. Ral-A
 Elongation factor 1- γ
 Replication prot. A 32 kDa subunit
 MAP7 domain-containing prot. 3
 Elongation factor 1- α 1
 ATP-dependent RNA helicase DDX1
 pre-mRNA 3' end processing prot. WDR33
 39S ribosomal prot. L39, mitochondrial
 26S protease regulatory subunit 6B
 Eukaryotic translation initiation factor 4 γ 1
 Profilin-1

S F A K I Y A D T F
 I Y P V D L G D K F
 L Y A D V G G K Q F
 E Y P D R I M N T F
 I W I L I D K T S F
 P Y T D V N I V T I
 Y Y F E G I K Q T F
 M Y K T T P D V I F
 T Y T D V T P R Q F
 H F F Q P T N Q Q F
 V Y K E N L V D G F
 I F T D I G K V D F
 R Y Y K N I G L G F
 T L P T F Q S P E F
 V L P E I D P V L F
 R F P Q L D S T S F
 S Y V K L P P E K F
 V F V G N I D D H F
 N Y G P M K G G S F
 I Y F P K K E A V T F
 S L P P G L A V K E L
 S F I P S S V P A T F
 N F F P Y G D A S K F
 S K P V F S E S L S D
 T F P N I A S A T K F
 A Y A L G K D F V T L
 L Y P N I D K D H A F
 V W V E E S D K R S F
 A L P A N A I L N Q F
 I Y S P D H T N N S F
 V L P G V D A L S N I
 T Y A A L N S K A T F
 E I T A L A P S T M K
 V L M T Q Q P R P V L
 R Y I S P D Q L A D L
 T Y V P V T T F K N L
 V Y V D L G G S H V F
 D Y V E I N I D H K F
 S Y P M V L G A Q H F
 V F V P R D V P E S F
 R F P P Y H V G Q T F

116 kDa U5 small nuclear ribonucleoprot. component
 DNA-dir. RNA polymerases I, II, and III subunit RPABC3
 Translocon-associated prot. subunit δ
 Tubulin β -2A chain
 Leukocyte antigen CD37
 Isocitrate dehydrogenase [NAD] subunit α , mitochondrial
 Activator of 90 kDa heat shock prot. ATPase homolog 1
 40S ribosomal prot. S24
 StAR-related lipid transfer prot. 7, mitochondrial
 THO complex subunit 1
 Afadin
 Nucl. pore complex prot. Nup160
 40S ribosomal prot. S11
 Sorting nexin-5
 N-acetyl-D-glucosamine kinase
 Fatty acid synthase
 Vacuolar prot. sorting-associated prot. 33A
 Digestive organ expansion factor homolog
 Heterogeneous nuclear ribonucleoprot. A3
 Phospholipase A-2-activating prot.
 60S ribosomal prot. L38
 AP-2 complex subunit β
 Neuron-specific calcium-bind. prot. hippocalcin
 Mitoch. import inner membr. translocase subunit Tim8 A
 Heme oxygenase 1
 Sorting nexin-20
 Signal transducer and activator of transcription 1- α/β
 ATP-dependent RNA helicase DDX3X
 Polyadenylate-binding prot. 4
 Transcription factor 4
 Phosphoglycerate kinase 1
 Ras GTPase-activating-like prot. IQGAP1
 Actin, cytoplasmic 1
 H/ACA ribonucleoprot. complex subunit 3
 Alpha-enolase
 60S ribosomal prot. L31
 Ribosome biogenesis prot. BMS1 homolog
 Vigilin
 E3 ubiquitin-prot. ligase TRIM21
 WD repeat-containing prot. 75
 DNA-binding prot. A

V Y S Q I P A A V K L
 W Y V H P Q V L Q S F
 F Y V P A E P K L A F
 V F I N K G K G F G F
 R N P P G F A F V E F
 E P I Y P E V V H M F
 I Y V N P A N T H Q F
 V W I K P G A E Q S F
 D Y F S E R I K N Q F
 Y W V G E D S T Y K F
 V F I H K D K G F G F
 V F I E G A D A E T F
 K Y P E A P P F V R F
 A A V V V S K S G S L K
 R L P D G T S L T Q T F
 I Y I D S N N N P E R F
 V F I T K P P D G S A F
 I L E L A G N A A R D N K
 F A D K V P K T A E N F R
 V Y F K P S L T P S G E F
 Q G S V Q K V Y N G L Q G Y
 S A D T L W G I Q K E L Q F
 Q A Q N T V T L A T S I K E K
 H A V S E G T K A V T K Y T S S
 S A S S G A E G D V S S E R E P
 A S N E D V T K A V D I T T P K
 H A V S E G T K A V T K Y T S A K
 D G R G A L Q N I I P A S T G A A K
 T Y F P H F D L S H G S A Q V K G H G
 S A A Q A A A Q T N S N A A G K Q L R
 S L V S K G T L V Q T K G T G A S G S F

E3 ubiquitin-prot. ligase UBR5
 Chromatin assembly factor 1 subunit A
 60S ribosomal prot. L7
 Splicing factor, pro- and gln-rich
 Ser/arg-rich splicing factor 3
 Ser/thr-prot. phosph. 2A 56 kDa reg. subunit γ isof.
 DDB1- and CUL4-associated factor 8
 60S ribosome subunit biogenesis prot. NIP7 homolog
 Prot. FAM111B
 60S ribosomal prot. L15
 Non-POU domain-containing octamer-bind. prot.
 Bifunctional glutamate/proline-tRNA ligase
 Ubiquitin-conjugating enzyme E2 variant 1
 Nucl. and coiled-body phosphoprot. 1
 UBX domain-containing prot. 1
 Clathrin hc 1
 Solute carrier family 15 member 4
 Histone H2A type 2-A
 Peptidyl-prolyl cis-trans isomer. A
 Nucl. pore complex prot. Nup153
 DnaJ homolog subfamily B member 11
 L-lactate dehydrogenase A chain
 Citrate lyase subunit β -like prot., mitochondrial
 Histone H2B type 1-A
 D-tyrosyl-tRNA(Tyr) deacylase 1
 PC4 and SFRS1-interacting prot.
 Histone H2B type 1-K
 Glyceraldehyde-3-phosphate dehydrogenase
 Hemoglobin subunit α
 Plasminogen activator inhibitor 1 RNA-bind. prot.
 Histone H1.2

Supplementary Table 3:

HLA-B*24:13 derived self peptides

origin: LCL 721.221 cells / Low binding peptides (before TFA)

Peptide position

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Ligands

V T E S P A K F
P L L L S L L I
V N S A A H L F
V F H P S Q D L
P Y V N N V P H L
S F S T V H E K F
F Y P P K V E L F
I Y A P P L P S L
L Y V D F P Q H L
Q F I G Y P I T L
K Y V K G L I S I
T Y Q E V A Q K F
K F I D T T S K F
P Y N H Q H E Y F
A Y V H M V T H F
P F L D I Q K R F
N Y V D V D P T F
K Y I N T D A K F
D Y V E G L R V F
K Y I S K P E N L
E Y L T K V D K L
V Y V Q H P I T F
V Y V E R A E V L
N Y I G L I N R I
P F V D H V F T F
V Y E N V S H F L
P Y L F H V V T F
L Y P L T N Y T F
S Y Q K V I E L F
K Y I A T D F T L
V F I D K Q T N L

Source

Ras association domain-containing prot. 3
Protocadherin α -9
Acyl-CoA desaturase
Pre-mRNA-processing factor 19
Methionine--tRNA ligase, cytoplasmic
WD repeat-containing prot. 36
Multifunctional prot. ADE2
A-kinase anchor prot. 1, mitochondrial
Signal transducer and activator of transcription 6
Heat shock prot. HSP 90- α
WD repeat-containing prot. 35
Adenosine deaminase CECR1
60S ribosomal prot. L3-like
Fatty acid desaturase 2
Bax inhibitor 1
NADH dehydrogenase [ubiquinone] iron-sulfur prot. 5
Pecanex-like prot. 1
Short transient receptor potential channel 4-associated prot.
Myosin light polypeptide 6
Calcium-binding prot. 39
Clathrin hc 1
Lipopolysaccharide-induced tumor necrosis α factor
BRCA1-associated prot.
Interferon-induced, double-stranded RNA-activated prot. kinase
Ribosome biogenesis prot. BRX1 homolog
Mitochondrial folate transporter/carrier
Neurofibromin
Cleavage and polyadenylation specificity factor subunit 5
Lymphokine-activated killer T-cell-originated prot. kinase
Nardilysin
CUGBP Elav-like family member 2

T F S D V E A H F	Zinc finger prot. 280C
I F I D E I D S F	ATPase family AAA domain-containing prot. 1
Y Y E E Q H P E L	Interleukin-32
N Y L S H H L T I	Polyadenylate-bind. prot.-interacting prot. 1
T Y G E I F E K F	NADH dehydrogenase [ubiquinone] 1 subunit C2
I F S N V R I N L	Caveolin-1
K Y F A Q A L K L	Tetratricopeptide repeat prot. 35
I F H E V P L K F	NMDA receptor-regulated prot. 2
V Y L D K F I R L	Guanine nucleotide-bind. prot.-like 3-like prot.
I Y V H D L L T F	Vam6/Vps39-like prot.
K Y I D Q K F V L	Ser/thr-prot. phosphatase 2A 56 kDa regulatory subunit δ isof.
A Y I T Q K V E F	DEP domain-containing prot. 5
E Q I K E Y H H L	E3 ubiquitin-prot. ligase RNF213
N F T N V A A T F	ATP-citrate synthase
V Y V V G T A H F	TraB domain-containing prot.
T Y L K A V K L F	Iron-responsive element-bind. prot. 2
R Y V D K V S N L	Probable α -ketoglutarate-dependent dioxygenase
V V L D D K D Y F	10 kDa heat shock prot., mitochondrial
S Y I A L P L T L	Nodal modulator 1
N Y A R G H Y T I	Tubulin α -1A chain
K Y I D K T I R V	U6 snRNA-associated Sm-like prot. LSm7
V Y E R E L Q T F	Methyltransferase-like prot. 10
V F P E K G Y S F	Nucleolysin TIAR
V Y I H H F D R I	MOB kinase activator 3a
I Y T S S V N R L	Coatomer subunit β
V Y L P N I N K I	Rho-related BTB domain-containing prot. 1
K L P S N L P Q L	Prot. SDA1 homolog
I Y I D R G V V F	Tuftelin-interacting prot. 11
E Y I A V V K K L	Acyl-CoA-binding domain-containing prot. 6
N Y G V L H V T F	NACHT, LRR and PYD domains-containing prot. 11
Y Y I F I P S K F	Probable ATP-dependent RNA helicase DDX47
N Y I H V G A Q L	Unconventional myosin-Id
T Y L E K A I K I	Ubiquitin carboxyl-terminal hydrolase 7
V Y G P L P Q S F	Cytochrome c oxidase subunit 4 isof. 1, mitochondrial
A Y L E A H E T F	Nuclear pore complex prot. Nup107
K Y L S G I A H F	Mitochondrial-processing peptidase subunit α
V Y A Q V A R L F	Paired amphipathic helix prot. Sin3a
D Y H T K L F L I	Mediator of RNA polymer. II transcription subunit 16
V Y V K H S I S F	AP-3 complex subunit μ -1
K Y I H S A N V L	Mitogen-activated prot. kinase 1
K Y I G E N L Q L	60S ribosome subunit biogenesis prot. NIP7 homolog

K Y P D R V P V I	Gamma-aminobutyric acid receptor-associated prot.
D V A N K I G I I	60S ribosomal prot. L23a
S Y I A H L R Q L	Musculin
S Y I S R T N Q L	Prot. ELYS
N Y I K D L N I L	CTD small phosphatase-like prot. 2
G Y I E R P Q L I	Poly(A) RNA polymer. GLD2
V F V G K G I T F	Cytosol aminopeptidase
D I D K G H V K F	ATP-dependent RNA helicase DDX1
R Y I D R I H I F	Pre-mRNA-processing-splicing factor 8
E Y V E K F Y R I	DNA repair prot. RAD50
I Y N Y P E Q L F	T-complex prot. 1 subunit β
K F I D K Q L E L	Mitofusin-2
L Y T E K F E E F	Alpha-taxilin
K F I S P F T Q F	Heparan-sulfate 6-O-sulfotransferase 3
N Y K S H H L Q L	CWF19-like prot. 1
S Y L D V K Q R L	ATP-bind. cassette sub-family E member 1
H Y V E K P S T F	Mannose-1-phosphate guanyltransferase α
T Y Q D I Q N T I	DNA-directed RNA polymer. II subunit
G V A V D L I L L	Ataxin-10
K Y A R V V Q K L	TATA-box-binding prot.
K Y I Q R Q Q T I	Interferon-induced GTP-bind. prot. Mx2
V Y S P H V L N L	Dynamin-2
L V L D N A F Y K	ADAM DEC1
S Y M G H F D L L	Splicing factor 3B subunit 5
K L K E K T Y S L	Myotubularin-related prot. 6
S Y L T V H K R I	Zinc finger prot. 557
L Y S T I R P Y L	RRP12-like prot.
L Y S S K L Y R F	BTB/POZ domain-containing prot. KCTD20
Q Y P F H V P L L	Lymphotoxin- α
V Y I K H P V S L	26S proteasome non-ATPase regulatory subunit 8
I Y V I P Q P H F	Prot. CASC5
K Y V K I F D N F	Zinc finger prot. 195
I L K K K S F T F	Pyridine nucleotide-disulfide oxidoreductase domain
Q Y L P H V A R L	Surfeit locus prot. 4
H F L G N F K T K F	Phosphatidylinositol 4,5-bisphosphate 3-kinase catal., δ isof.
T F V D N I Q T A F	Integrator complex subunit 1
K Y I F K E R E S F	Activating signal cointegrator 1 complex subunit 1
V Y K D H Q T I T I	DNA replication licensing factor MCM3
K Y I D Q G I A E L	RuvB-like 1
T Y S P A L N K M F	Cellular tumor antigen p53
K Y I T K S F N F Y	Poly(A)-specific ribonuclease PARN

K Y L N Q T S R S F	Squalene synthase
V F E D P V I S K F	28S ribosomal prot. S7, mitochondrial
L Y A D V G G K Q F	Translocon-associated prot. subunit δ
V Y A H I Y H Q H F	MOB kinase activator 1a
A F I R V V G S E F	26S protease regulatory subunit 6B
Y F I T V V P T K L	Endoplasmic reticulum-Golgi intermediate compartment prot. 2
L Y L K V K G N V F	60S ribosomal prot. L19
R Y F D P A N G K F	Elongation factor 2
I Y I S T L K T E F	Activator of 90 kDa heat shock prot. ATPase homolog 1
D Y V P P E L I T L	Translation initiation factor eIF-2B subunit β
I Y G E K F E D E N	Peptidyl-prolyl cis-trans isomer. A
V Y N E N L V H M I	Pre-mRNA-splicing factor SPF27
R F L D D L G L K F	Desmoglein-2
K Y I E T T P L T I	Zinc finger prot. 638
D Y L D G V H T V F	Peptidyl-prolyl cis-trans isomer.-like 4
I Y P V D L G D K F	DNA-directed RNA polymer. I, II, and III subunit RPABC3
A Y I Q G L K E K F	All-trans-retinol 13,14-reductase
T Y P E G L E V L H F	Centromere prot. J
S Y I R P E D I V N F	Transmembrane prot. 183A
R Y L P T E Q E V R F	FAD-dependent oxidoreductase domain-containing prot. 2
K Y M P N V K V A V F	Spliceosome RNA helicase DDX39B
K Y K N S E I N F S F	Prot.n phosphatase 1K, mitochondrial
K Y L P E N D L K R L	Ser/thr-prot. phosphatase 6 catalytic subunit
V L P G V D A L S N I	Phosphoglycerate kinase 1
I Y L N H I E P L K I	Thymidylate synthase
V Y V D L G G S H V F	Ribosome biogenesis prot. BMS1 homolog
I F Y A G T G N L L L	Coatomer subunit α
T Y L P A G Q S V L L	Prohibitin
K Y L D E D T I Y H L	S-adenosylmethionine synthase isof. type-2
R Y P T S I A S L A F	Mitotic checkpoint prot. BUB3
R Y I S P D Q L A D L	Alpha-enolase
K F I D P K K I K V F	ATP-dependent RNA helicase DDX19A
V F I H K D K G F G F	Non-POU domain-containing octamer-bind. prot.
T F P N I A S A T K F	Heme oxygenase 1
L Y P N I D K D H A F	Signal transducer and activator of transcription 1- α/β
V Y S Q I P A A V K L	E3 ubiquitin-prot. ligase UBR5
R F A H G T A G L V F	Cytochrome c oxidase assembly prot. COX15 homolog
L Y E E G S N K R L F	Proteasome subunit α type-3
K F F G K E L S T T L	Heat shock 70 kDa prot. 4
R F V N V V P T F G K	40S ribosomal prot. S30
K Y I T Q G Q L L Q F	Elongation of very long chain fatty acids prot. 5

S Y L E R H G L I N F	Lys-specific histone demethylase 1a
I Y F P K K E A V T F	Phospholipase A-2-activating prot.
G F G D S R G G G G N F	Heterogeneous nucl. ribonucleoprot. A2/B1
V S E K G T V Q Q A D E	60S ribosomal prot. L9
Y F I D S T N L K T H F	Zinc finger prot. 593
V Q T K G T G A S G S F	Histone H1.1
I Y E E T R G V L K V F	Histone H4
V Y I E S R I G T S T S F	Kinesin-like prot. KIF20A
T F M A A G S S A P E L V T	Sodium/potassium/calcium exchanger 5
A K T D Q A Q K A E G A G D A	Non-histone chromosomal prot. HMG-17
I K D D E K E A E E G E D D R D	Heterogeneous nucl. ribonucleoprot. C-like 1

origin: LCL 721.221 cells / High binding peptides (after TFA)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Y	E	V	S	Q	L	K	D											Cytosolic non-specific dipeptidase
D	E	D	T	I	Y	H	L											S-adenosylmethionine synthase isof. type-2
V	Y	N	E	N	L	V	H											Pre-mRNA-splicing factor SPF27
S	F	S	T	V	H	E	K	F										WD repeat-containing prot. 36
V	F	N	D	V	R	L	L	L										F-actin-capping prot. subunit α -1
K	F	I	D	T	T	S	K	F										60S ribosomal prot. L3-like
L	T	E	A	P	L	N	P	K										Actin, cytoplasmic 1
G	Y	S	N	R	V	V	D	L										Glyceraldehyde-3-phosphate dehydrogenase
A	Y	L	P	V	N	E	S	F										Elongation factor 2
V	F	S	T	V	V	I	H	F										3-hydroxy-3-methylglutaryl-coenzyme A reductase
V	Y	V	Q	H	P	I	T	F										Lipopolysaccharide-induced tumor necrosis α factor
V	Y	V	V	G	T	A	H	F										TraB domain-containing prot.
K	Y	I	T	D	V	V	K	L										Small subunit processome component 20 homolog
V	Y	S	P	H	V	L	N	L										Dynamin-1
Y	Y	E	E	Q	H	P	E	L										Interleukin-32
P	F	V	D	H	V	F	T	F										Ribosome biogenesis prot. BRX1 homolog
L	Y	T	E	K	F	E	E	F										α -taxilin
T	F	S	D	V	E	A	H	F										Zinc finger prot. 280C
N	Y	G	V	L	H	V	T	F										NACHT, LRR and PYD domains-containing prot. 11
A	Y	V	H	M	V	T	H	F										Bax inhibitor 1
V	F	I	D	K	Q	T	N	L										CUGBP Elav-like family member 2
T	Y	I	T	S	V	S	R	L										Oxidative stress-induced growth inhibitor 2
V	Y	V	Q	N	V	V	K	L										AP-3 complex subunit δ -1
K	Y	I	D	K	T	I	R	V										U6 snRNA-associated Sm-like prot. LSm7
T	Y	G	E	I	F	E	K	F										NADH dehydrogenase [ubiquinone] 1 subunit C2

S Y S D P P L K F	Heterogeneous nucl. ribonucleoprot. F
V F T G V V T K L	Cell division cycle and apoptosis regulator prot. 1
P Y V N N V P H L	Methionine--tRNA ligase, cytoplasmic
N Y I H V G A Q L	Unconventional myosin-Id
L V N S A A H L F	Acyl-CoA desaturase
E Y L T K V D K L	Clathrin hc 1
K Y I G E N L Q L	60S ribosome subunit biogenesis prot. NIP7 homolog
G Y I H V T Q T F	Prot. NKG7
K Y I D Q K F V L	Ser/thr-prot. phosphatase 2A 56 kDa regul. subunit δ isof.
A Y L E A H E T F	Nucl. pore complex prot. Nup107
Q Y V D F H N Q L	DNA repair prot. complementing XP-G cells
S Y L D R T E Q L	WD repeat-containing prot. 18
K Y I Q R Q E T I	Interferon-induced GTP-binding prot. Mx1
I Y G E K T Y A F	Serpin B10
K Y L S G I A H F	Mitochondrial-processing peptidase subunit α
K Y Q E V T N N L	Caprin-1
T Y L E K A I K I	Ubiquitin carboxyl-terminal hydrolase 7
I Y I K Q I K T F	Retinoblastoma-like prot. 2
K Y T P P P H H I	NADH dehydrogenase [ubiquinone] iron-sulfur prot. 5
R Y G L V T N E I	Interferon-induced helicase C domain-containing prot. 1
K Y L N Q T S R S F	Squalene synthase
A Y V K G G L S T F	Exocyst complex component 2
Y Y F E G I K Q T F	Activator of 90 kDa heat shock prot. ATPase homolog 1
I F L P I L R T G F	DNA replication licensing factor MCM7
V L L A P G F Q I P P	Dynein heavy chain 17, axonemal
I L E L A G N A A R D	Histone H2A type 2-A
I Y E D P Q H H P L L	DDB1- and CUL4-associated factor 7
T F P N I A S A T K F	Heme oxygenase 1
R Y I S P D Q L A D L	α -enolase
I Y V N P A N T H Q F	DDB1- and CUL4-associated factor 8
T Y L P A G Q S V L L	Prohibitin
K F F G K D I S T T L	Heat shock prot. 105 kDa
R Y P T S I A S L A F	Mitotic checkpoint prot. BUB3
R Y L P P A T Q V V L	Eukaryotic initiation factor 4A-III
I K P S V E P S A G H D E L	Stromal cell-derived factor 2-like prot. 1
Q V T Q P T V G M N F K T P R G P V	40S ribosomal prot. S17-like

origin: LCL 721.220 cells / Low binding peptides (before TFA)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	
I	Y	D	P	N	L	A	F							1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase γ -2
S	A	R	I	Q	D	A	L							Eukaryotic translation initiation factor 3 subunit F
I	S	P	H	G	N	A	L							ATP-depend. Clp protease ATP-bind. subunit clpX-like
F	E	G	P	P	F	K	F							WD repeat-containing protein 1
I	Y	N	E	A	L	K	G							Prot. S100-A6
I	Y	A	P	P	L	P	S	L						A-kinase anchor prot. 1, mitochondrial
I	F	K	D	K	P	I	K	L						SH3 domain-containing kinase-bind. prot. 1
V	F	L	R	A	I	N	K	F						Dedicator of cytokinesis prot. 2
T	Y	L	E	K	A	I	K	I						Ubiquitin carboxyl-terminal hydrolase 7
I	Y	I	K	H	P	H	L	F						Deoxynucleotidyltransferase terminal-interacting prot. 1
V	Y	P	D	G	I	R	H	I						Splicing factor 3B subunit 3
V	Y	V	K	H	S	I	S	F						AP-3 complex subunit mu-1
L	I	D	R	P	A	P	H	F						Band 4.1-like prot. 2
V	G	P	P	G	R	S	S	L						Nuclear pore complex prot. Nup93
N	Y	I	D	K	V	R	F	L						Vimentin
Y	Y	I	F	I	P	S	K	F						Probable ATP-dependent RNA helicase DDX47
T	Y	H	P	G	V	P	V	F						Cys and his-rich domain-containing prot. 1
K	Y	I	S	K	P	E	N	L						Calcium-bind. prot. 39
F	Y	I	S	P	V	N	K	L						Late secretory pathway prot. AVL9 homolog
L	Y	T	E	K	F	E	E	F						α -taxilin
L	V	N	S	A	A	H	L	F						Acyl-CoA desaturase
S	F	S	T	V	H	E	K	F						WD repeat-containing prot. 36
D	Y	V	E	G	L	R	V	F						Myosin light polypeptide 6
I	Y	G	E	K	T	Y	A	F						Serpin B10
T	F	S	D	V	E	A	H	F						Zinc finger prot. 280C
V	Y	Q	H	L	F	T	R	I						AP-5 complex subunit ζ -1
K	F	I	D	T	T	S	K	F						60S ribosomal prot. L3-like
I	L	T	E	R	G	Y	S	F						Actin, cytoplasmic 1
I	Y	I	A	G	H	P	A	F						Heterogeneous nucl. ribonucleoprot. L
V	F	I	D	K	Q	T	N	L						CUGBP Elav-like family member 2
A	Y	V	H	M	V	T	H	F						Bax inhibitor 1
V	Y	V	V	G	T	A	H	F						TraB domain-containing prot.
T	Y	G	E	I	F	E	K	F						NADH dehydrogenase [ubiquinone] 1 subunit C2
V	Y	S	P	H	V	L	N	L						Dynamin-1
V	F	T	G	V	V	T	K	L						Cell division cycle and apoptosis regulator prot. 1
D	Y	G	I	V	A	D	L	F						Electron transfer flavoprotein subunit α , mitochondrial
K	Y	I	N	T	D	A	K	F						Short transient receptor potential channel 4-associated prot.
V	Y	G	P	L	P	Q	S	F						Cytochrome c oxidase subunit 4 isof. 1, mitochondrial

H Y V P A T K V F
 P F L D I Q K R F
 P F V D H V F T F
 V Y I K H P V S L
 P F L P K P L F F
 E Y I A V V K K L
 I Y I K Q I K T F
 F Y P P K V E L F
 N Y G V L H V T F
 I Y V H D L L T F
 Y Y E E Q H P E L
 E F P S I K T E F
 K Y I D Q K F V L
 Y Y K N I G L G F
 S Y I S R T N Q L
 V Y E R E L Q T F
 E Y L K I K Q S F
 P F I D S Q H V I
 I Y Q R H V Y N L
 P Y V N N V P H L
 K Y I D K T I R V
 E F I N T T A R V
 V A E E H L T V D
 I F H E V P L K F
 I L K K K S F T F
 T Y Q D I Q N T I
 K Y I S G P H E L
 T Y V S G T L R F
 N F T N V A A T F
 S T L D P K T I S F
 T I I G E S I S R L
 Y Y F E G I K Q T F
 L Y A D V G G K Q F
 V Y V Q I H P I T F
 R Y F D P A N G K F
 V F E D P V I S K F
 I F L P I L R T G F
 L Y L K V K G N V F
 A F I R V V G S E F
 V Y V D L G G S H V F
 H Y F Q N T Q G L I F
 T F P N I A S A T K F

L-amino-acid oxidase
 NADH dehydrogenase [ubiquinone] iron-sulfur prot. 5
 Ribosome biogenesis protein BRX1 homolog
 26S proteasome non-ATPase regulatory subunit 8
 Ribosomal RNA processing prot. 1 homolog B
 Acyl-CoA-binding domain-containing prot. 6
 Retinoblastoma-like prot. 2
 Multifunctional prot. ADE2
 NACHT, LRR and PYD domains-containing prot. 11
 Vam6/Vps39-like prot.
 Interleukin-32
 Centromere-associated prot. E
 Ser/thr-prot. phosphatase 2A 56 kDa regul.subunit δ isof.
 40S ribosomal prot. S11
 Prot. ELYS
 Methyltransferase-like prot. 10
 E3 ubiquitin-prot. ligase RNF180
 Dolichol phosphate-mannose biosynthesis regulatory prot.
 Transmembrane prot. 209
 Methionine-tRNA ligase, cytoplasmic
 U6 snRNA-associated Sm-like prot. LSm7
 Lactoperoxidase
 ADP-sugar pyrophosphatase
 NMDA receptor-regulated prot. 2
 Pyridine nucleot.-disulf. oxidoreduct. prot. 1
 DNA-directed RNA polymerase II subunit RPB1
 Centromere prot. F
 Choline/ethanolaminephosphotransfer. 1
 ATP-citrate synthase
 Acyl-coenzyme A thioesterase 9, mitochondrial
 Arginine-tRNA ligase, cytoplasmic
 Activator of 90 kDa heat shock prot. ATPase homolog 1
 Translocon-associated prot. subunit δ
 Lipopolysaccharide-induced tumor necrosis α factor
 Elongation factor 2
 28S ribosomal prot. S7, mitochondrial
 DNA replication licensing factor MCM7
 60S ribosomal prot. L19
 26S protease regulatory subunit 6B
 Ribosome biogenesis prot. BMS1 homolog
 ADP-ribosylation factor 1
 Heme oxygenase 1

T	Y	L	P	A	G	Q	S	V	L	L									Prohibitin
K	F	L	D	A	G	H	K	L	N	F									Prot. disulfide-isomer. A3
V	F	I	H	K	D	K	G	F	G	F									Non-POU domain-containing octamer-bind. prot.
K	F	F	G	K	D	I	S	T	T	L									Heat shock prot. 105 kDa
K	Y	L	D	E	D	T	I	Y	H	L									S-adenosylmethionine synthase isof. type-2
R	Y	P	T	S	I	A	S	L	A	F									Mitotic checkpoint prot. BUB3
R	F	L	N	A	E	N	A	Q	K	F									Ran-specific GTPase-activating prot.
V	L	P	E	G	G	E	T	P	L	F									Gelsolin
G	V	L	K	P	G	M	V	V	T	F									Elongation factor 1- α 1
R	Y	I	S	P	D	Q	L	A	D	L									Alpha-enolase
T	Y	V	P	V	T	T	F	K	N	L									60S ribosomal prot. L31
R	F	V	N	V	V	P	T	F	G	K									40S ribosomal prot. S30
I	Y	E	D	P	Q	H	H	P	L	L									DDB1- and CUL4-associated factor 7
F	Y	V	P	A	E	P	K	L	A	F									60S ribosomal prot. L7
G	Y	Q	R	D	G	Y	Q	Q	N	F									Caprin-1
L	Y	P	N	I	D	K	D	H	A	F									Signal transducer and activator of transcription 1- α/β
Y	F	I	D	S	T	N	L	K	T	H	F								Zinc finger prot. 593
I	Y	I	D	S	N	N	N	P	E	R	F								Clathrin hc 1
N	F	G	F	G	D	S	R	G	G	G	G	N	F						Heterogeneous nucl. ribonucleoprot. A2/B1

origin: LCL 721.220 cells / High binding peptides (after TFA)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15					
F	V	Q	M	M	T	A	K												Calmodulin
L	V	D	V	E	P	K	V												Small nuclear ribonucleoprot. Sm D1
G	Y	S	N	R	V	V	D	L											Glyceraldehyde-3-phosphate dehydrogenase
K	F	I	D	T	T	S	K	F											60S ribosomal prot. L3-like
Y	Y	E	E	Q	H	P	E	L											Interleukin-32
V	F	I	D	K	Q	T	N	L											CUGBP Elav-like family member 2
L	Y	E	V	S	Q	L	K	D											Cytosolic non-specific dipeptidase
A	Y	V	H	M	V	T	H	F											Bax inhibitor 1
T	Y	G	E	I	F	E	K	F											NADH dehydrogenase [ubiquinone] 1 subunit C2
V	Y	I	K	H	P	V	S	L											26S proteasome non-ATPase regulatory subunit 8
V	F	V	D	R	T	L	D	L											Sec1 family domain-containing prot. 2
N	V	E	W	A	K	P	S	T	N										Eukaryotic translation initiation factor 3 subunit G
I	L	E	L	A	G	N	A	A	R	D									Histone H2A type 2-A
A	A	L	E	K	E	A	Q	T	S	F									ATP-dependent RNA helicase DDX1
R	Y	I	S	P	D	Q	L	A	D	L									Alpha-enolase
T	Y	V	P	V	T	T	F	K	N	L									60S ribosomal prot. L31
F	Q	I	N	Q	D	E	E	E	E	D	E	D							60S ribosomal prot. L22
N	F	G	F	G	D	S	R	G	G	G	G	N	F						Heterogeneous nuclear ribonucleoprot. A2/B1

I K P S V E P S A G H D E L
Y A S G R T T G I V M D S G D
L V S N L N P E R V T P Q S L

Stromal cell-derived factor 2-like prot. 1
Actin, cytoplasmic 1
Polypyrimidine tract-bind. prot. 1