

Supplementary table 1. Naturally processed peptides selected by DQ8 from NOD.DQ8 APCs

PROTEIN		PEPTIDE	FAMILY MEMBERS	RELATIVE ABUNDANCE
Interleukin 6 signal transducer (NP_034690)	311-324	WSEE <u>EASGTTYEDRP</u>	3	0.08
Insulin-like growth factor 2 receptor (NP_034645)	493—505	WEA <u>VDGSQA</u> ESEK	3	0.08
14-3-3 zeta (BAA13421)	28-41	SVTE <u>QGAELS</u> SNEER	3	0.07
14-3-3 zeta (BAA13421)	228-245	WTSDTQGD <u>EAEAG</u> EGGEN*	1	0.01
L-type amino acid transporter 1 (BAA90556)	12-24	ATP <u>A</u> AA <u>EEER</u> Q	6	0.05
H2-M alpha chain (AAA86483)	65-77	GQGD <u>ASAI</u> AFDKS	1	0.01
H2-M alpha chain (AAA86483)	167-184	TPEPFD <u>LYSCTV</u> THEIDR	3	1.2
TGF-beta 1 (NP_035707)	87-100	<u>RVAGESAD</u> PEPEPE	5	0.1

Neutral amino acid transporter ASCT2 (AAG02180)	540-553	<u>GPTGDSSATFEKES</u>	1	0.02
RIKEN cDNA 0610039P13 (NP_083028)	50-63	<u>EEEEPAP TSAEGEG</u>	5	0.07
CDEI-box DNA-binding protein (JC1404)	75-88	<u>EDEEEGEEVVEDRD</u>	3	0.04
β -actin (AAT40730)	30-43	<u>EMATAASSSSLEKS</u>	2	0.07
Lymphocyte cytosolic protein 1 (NP_032905)	508-519	<u>EDIGGGQKVNDD*</u>	2	0.009
β -1,4-galactosyltransferase V (AAF22223)	307-321	<u>VQNAGYSVSRPEGDT</u>	1	0.02
Serine (or cysteine) proteinase inhibitor (AAH06776)	90-103	<u>LRDFSNMASAEENQ</u>	3	0.1
Membrane protein TMS-1 (AAD54420)	282-293	<u>LTWSAMTNEPER</u>	3	0.07
Membrane protein TMS-1 (AAD54420)	376-390	<u>DTTNGANDEEDGQPR</u>	1	0.01
Nicastrin (NP_067620)	65-78	<u>ISGDTGVIHVVEKE</u>	5	0.1
Transferrin receptor	334-347	<u>IPVQTISRAAAEKL</u>	5	0.3

(NP_035768)

Actin related protein 2/3 complex (NP_083085)	24-41	VDEHEE <u>AAAA</u> AGEPGDP	1	0.02
Low-density lipoprotein receptor-related protein 9 (BAB20775)	597-612	GHACEGGAVGGQDGEQ	1	0.003
Immunoglobulin gamma 2A chain (AAB59660)	163-177	NVEVHTAQTQTHRED	1	0.001
Immunoglobulin gamma 2A chain (AAB59660)	269-284	TELNYKNTEPVLDSDG	1	0.05
Semaphorin 4B precursor (NP_038687)	156-170	AQDEAGNVILEDGKG	2	0.07
Nucleobindin (NP_032775)	333-346	KTVEMSPAYTEEEL	1	0.05
Nucleobindin (NP_032775)	425-437	APAGDQKDVPASE	2	0.04
Hnrpr protein (AAH04679)	592-601	<u>YQDTYGGQWK</u> *	1	0.03
Cyclophilin C-associated protein (AAA37499)	325-340	VDQWSTETIASHEDIE*	1	0.03
Interleukin 2 receptor	109-121	KEITSGCQIQKED	2	0.02

(NP_038591)				
WW domain binding protein 2 (NP_058548)	210-223	<u>GPSAPATPAAEAKA</u>	1	0.02
Trans-golgi network protein 2 (NP_033470)	233-250	KPEK <u>GDKSSEPTED</u> VETK	2	0.01
Trans-golgi network protein 2 (NP_033470)	257-271	TE <u>PEEGSPLEENEK</u>	2	0.02
Envelope protein (AAG39911)	80-95	LVGD <u>HWDDPEPDIGDG</u>	1	0.3
Envelope protein (AAG39911)	497-512	VSALE <u>KSLTSLSEVVL</u> *	6	0.7
Aldolase (742518A)	23-37	VAPG <u>KGILAADESTG</u>	1	0.07
Apolipoprotein B (CAA27044)	137-153	GTFA <u>HRDFSAEYEEDGK</u>	1	0.04
Polyubiquitin (AAB19109)	6-21	KTLT <u>GKTITLEVEPSD</u>	5	0.7
Small nuclear ribonucleoprotein polypeptide G (NP_003087)	48-59	MAT <u>SGQONNIGM</u> *	1	0.08
WW domain-containing protein 4	198-213	GGSA <u>RTATAASEQSPG</u>	2	0.01

(NP_080106)

cDNA sequence BC034664 (NP_958746)	82-91	<u>IIENQEKPR</u> T	1	0.005
Nedd4 WW domain-binding protein 5A (XP_159721)	18-33	HNEED <u>NSESSAVE</u> QPS	1	0.01
E25B protein (BAA92766)	19-31	EPKS <u>SEEALIVPP</u> DA	2	0.5
E25B protein (BAA92766)	112-126	YQTIEENIKIFEEDA*	7	0.7
E25B protein (BAA92766)	125-139	DAVE <u>FISVPVPEF</u> AD	3	0.1
Sequestosome 1 (NP_035148)	360-377	MP <u>ES</u> EGP <u>SSLDPS</u> QEGPT	1	0.01
Eef1a1 protein (P10126)	115-123	<u>IVAAGVGEF</u>	1	0.05
Eef1a1 protein (P10126)	191-200	<u>VPISGWNGDN</u> *	1	0.02
Rho GDP dissociation inhibitor (GDI) alpha (NP_598557)	5-20	EPTAE <u>QLAQIAAENE</u> E	1	0.05
Na,K-ATPase alpha-1 subunit	400-413	ADTT <u>ENQSGVS</u> FDK	2	0.05

(AAA41671)

MHC class II HLA-DQ-beta (AAC41966)	191-206	QSESA <u>QSKMLSGIGGF</u>	2	ND
MHC class II HLA-DQ-beta (AAC41966)	218-229	II <u>HRSQKGLLH</u>	2	0.1
Solute carrier family 7 (NP_031539)	454-469	ASES <u>QTGFLPVAEKFS</u>	2	0.1
Solute carrier family 7 (NP_031539)	444-459	DRVD <u>QNELVSASESQT</u>	1	ND
Translocase of mitochondrial membrane 7 (NP_079670)	36-50	FTRG <u>ADPGMPEPSVL*</u>	2	0.03
α -2-HS-glycoprotein (NP_776409)	35-50	DPDTE <u>QAALAAVDYINK</u>	1	0.08
Ldh1 protein (AAH66858)	45-57	ADEL <u>LALVDVMEDK</u>	1	0.1
MPS1 protein (I52603)	78-92	IIPDE <u>VYTIPOKESN</u>	2	0.06
Wbscr5 (AAF75558)	146-162	KPSTP <u>ESGVEDFEDYQN*</u>	1	0.03
Ran 25 kda ras-related protein (AAB20486)	19-34	HDLE <u>VAQTTALPDEDD*</u>	1	0.04

Integrin alpha 6 (NP_032423)	804-819	KPSQVYFGGTVVGEQA	1	ND
Integrin alpha 6 (NP_032423)	97-111	IEFDNDADPMSESKE	1	0.03
Elongation factor 1-beta homolog (AAC13264)	213-225	YVQSM DVAAFNKI *	1	0.03
Gag protein (AAN46638)	336-350	LAGLQ NAGRSPTNLA	1	0.03
Mtmr4 protein (AAH58091)	774-789	DPPG STASISHQEQPS	1	0.009
Glucosidase, beta (NP_032120)	445-461	IPEGSQRVALVASESTD	1	0.7
4F2 cell-surface antigen heavy chain (P10852)	264-278	LSEDRLLIAGTESSD	1	0.03
G-3-P dehydrogenase (XP_214546)	296-309	RVVDLMAYMASKEE*	1	0.03
Lymphocyte antigen 9 (NP_032560)	511-527	DTSSSESSATTEEDDEKT	1	0.006
DNA segment, Chr 19 (NP_666205)	70-84	VGPEGSGSAAGESRP	1	ND

Superoxide dismutase 1 (NP_035564)	90-103	AGK <u>DGVANV</u> SIEDR	2	0.03
Superoxide dismutase 1 (NP_035564)	98-112	VSI <u>EDRVISL</u> SGEHS	3	0.07
Superoxide dismutase 1 (NP_035564)	111-125	HSI <u>IIGRTM</u> VVHEKQD	3	0.05
Syntaxin 12 (AAH10669)	219-232	IEAN <u>VESSEV</u> HVER	2	0.05
Apolipoprotein A-II (P81644)	31-46	GSE <u>LQTQAKA</u> YFEKTQ*	3	0.1
Transmembrane 9 superfamily protein member 2 (P58021)	251-265	GPAM <u>DISNKAS</u> GEIK	1	0.02
Disintegrin and metalloprotease domain 9 (NP_031430)	337-352	TVET <u>FASIVA</u> HELGHN	2	0.02
CD45-associated 30k phosphoprotein (A49957)	107-120	GG <u>PEEAAA</u> KEEEQR	2	0.02
Tumor necrosis factor receptor superfamily (NP_082351)	42-55	HTP <u>DTGHT</u> SSLEPG	2	0.03
RAB9, member RAS oncogene family (NP_062747)	155-170	AKD <u>STNVAAA</u> FEEAVR	1	ND

Lamp I (NP_034814)	129-144	IYTMD <u>STTDIKAD</u> INK	2	ND
Adipocyte-derived leucine aminopeptidase (Q9JJ22)	775-789	YSKYQSSLSSTEKSQ	1	0.008
ADAM 10 precursor (Q10743)	88-105	FPNIGVEK <u>FLELNSE</u> QNH	2	ND
Macrophage Migration Inhibitory Factor (1FIM)	32-45	KPAQYIAVHVVPDQ	1	0.03
SNRPF protein (XP_357414)	128-143	YIRG <u>VEEEEEEDGEMRE</u> *	1	0.04
Unnamed protein product (BAB30620)	354-368	KSGTNNHVTVEIEN	1	0.02
Aars protein (AAH26611)	20-32	EADQK <u>GSLVAPDR</u>	1	0.007
PDGFA associated protein 1 (NP_055706)	19-33	SPEEIDAQLQAEKQK	1	ND
Unnamed protein product (BAB32366)	76-85	PVATWNIYRF	1	0.009
Similar to CD79A antigen (XP_356588)	203-217	DVGNL <u>HIGDAQLEK</u> P	1	ND
Heat shock cognate 71 kDa protein	189-204	ISWLDKNQTAEEKEEFE	1	0.09

(XP_127844)

NAD(P) dependent steroid dehydrogenase-like (NP_035071)	156-171	KPIDYY <u>TETKILQERA</u>	2	0.2
MHC class II antigen-associated gamma chain Ii (NP_034675)	86-101	PVSQ <u>MRMATPLL</u> MRPM	2	0.1
RIKEN cDNA 2310016E02 (NP_077780)	25-37	YHYVAVNNP <u>KKQE</u>	1	ND
Gp250 precursor (AAC16739)	162-176	HPINEYYIADAAEDQ	2	0.02
TRAIL receptor2 (BAA96463)	364-380	GRFTYQNA <u>AAQPETGPG</u>	2	0.02
Ubqln2 protein (AAH21824)	81-94	MRQLIMANPQM <u>QQL</u> *	1	0.005
Novel cytokine receptor NR8 (BAB13736)	132-147	GRYD <u>ISWDSAYDEPSN</u>	1	ND
Zinc finger, DHHC domain containing 5 (NP_659136)	69-80	DPG <u>IFPRAEED</u> E	1	0.06
Neurotensin receptor 3 (AAF22639)	164-178	IRTEFGMA <u>IGPENSG</u>	1	0.08

CD23 (AAL84004)	218-231	DLKGRLV <u>SIHSQKEQD</u> *	2	0.05
Cytochrome b5 precursor (NP_079834)	136-146	YRHF <u>WADSKSS</u> *	1	0.06
RIKEN cDNA 1110020P15 (NP_932096)	32-43	<u>FERAFDQGADAI</u>	1	ND
MHC II E alpha (AAA98624)	51-65	FDG <u>DEIFHVDIEKSE</u>	7	0.8
MHC II E alpha (AAA98624)	156-168	GV <u>SETVFLPRDDH</u>	1	ND
MHC class II antigen, DQ alpha chain (P04226)	25-38	DIV <u>ADHVASYGVNL</u>	3	1.1
MHC class II antigen, DQ alpha chain (P04226)	39-52	YQSYG <u>PSGQYSHEF</u>	3	0.3
MHC class II antigen, DQ alpha chain (P04226)	52-66	FDG <u>DEEFYVDLERKE</u>	3	0.7
MHC class II antigen, DQ alpha chain (P04226)	242-254	LRS <u>VGASRHQGPL</u>	2	0.3

The putative 9-mer binding core for each peptide family is underlined. * Indicates naturally processed peptide families that were also sequenced from I-A^{g7}. ND refers to not determined.

Supplementary table 2. Naturally processed peptides selected by I-A^{g7} from NOD.C3 APCs

PROTEIN		PEPTIDE	FAMILY MEMBERS	RELATIVE ABUNDANCE
E25B protein (BAA92766)	112-126	YQTIEENIKIFEEDA	16	1.1
E25B protein (BAA92766)	146-159	VHDFNKKLTA Y LDL	2	0.04
E25B protein (BAA92766)	198-213	LIHEHMVITDRIENVD	15	2.1
Serum albumin (ABBOS)	304-318	KPLLEKSHCIAEVEK	4	0.2
Cyclophilin C-associated protein (AAA37499)	325-340	VDQWSTETIASHEDIE	11	0.5
Tln protein (AAH18557)	868-881	LVKAAQKAAAFEDQ	4	0.02
Apolipoprotein E (NP_776416)	82-94	EETMKEVKAYKEE	5	0.1
CD72 antigen (NP_031680)	261-274	TSLSSKLA A FDEPS	3	0.03
14-3-3 zeta (BAA13421)	228-245	WTSDTQGD E A E AGEGGEN	1	0.006

RAB14 (NP_080973)	122-136	IGNKADLEAQRDVTY	5	1.1
RAB14 (NP_080973)	125-141	KADLEAQRDVTYEEAKQ	2	0.07
Prohibitin (NP_032857)	205-219	QQKKA <u>AIISAEG</u> DSK	4	0.005
Wbscr5 (AAF75558)	146-162	KPSTPESGVEDFEDYQN	4	0.2
60 kDa heat shock protein (P18687)	164-181	TPEEIAQVATISANGDKD	4	0.1
Protein tyrosine phosphatase receptor (NP_035348)	690-705	GPGPE <u>SSPVVVRT</u> DED	4	0.03
Ribosomal protein, large, P1 (NP_061341)	87-103	APAEE <u>KKVEAKKEE</u> SEE	1	0.004
Proline-rich protein 48 (AAB94880)	10-26	ISEAEQRTIQAQK <u>ESSQ</u>	1	0.006
Activated leukocyte cell adhesion molecule (NP_033785)	226-241	GPSGQKTIYSE <u>QE</u> IFD	4	0.1
RNA polymerase II elongation factor (2120310B)	20-35	IAKQSVTIKT <u>MLED</u> LG	1	0.01

FK506 binding protein (NP_032045)	51-65	LGK <u>QEVIRGWEE</u> GVA	8	0.3
Diazepam binding inhibitor (NP_031856)	64-80	GTSKESAMKTYVEKVDE	1	0.04
B-lymphocyte antigen CD19 (B45808)	19-33	RPQK <u>SLLVEVEE</u> GGN	1	0.007
Lysosomal-associated transmembrane protein (NP_034816)	213-225	KFLK <u>HMNSAMED</u> S	2	0.005
Tax1 binding protein 1 (AAH14798)	597-611	EKE <u>INGLASYLE</u> NLS	10	0.6
MHC class II antigen E-d alpha chain (HLMSED)	124-140	LGEP <u>NILICFIDK</u> FSP	1	0.001
BRI3 (AAF89493)	146-162	IIHDF <u>QRGLTAYH</u> DISL	7	0.3
Apolipoprotein A-II (P81644)	31-46	GSEL <u>QTQAKAYFE</u> KTQ	9	0.1
Unnamed protein product (BAB24665)	109-125	EPGK <u>QGTVHAEVEE</u> NPG	2	0.02
Hnrpr protein (AAH04679)	592-601	<u>YQDTYGQQ</u> WK	1	0.02

Ndfip1 protein (AAH26372)	84-98	TEATI <u>PLVPGR</u> DEDF	8	0.07
Soluble interleukin-1 receptor (AAQ01755)	29-43	LDTMRQIQVFEDEPA	1	0.02
H-2 class II histocompatibility antigen (P14438)	93-103	SPVLLGQPNTL	1	ND
Small nuclear ribonucleoprotein polypeptide G (NP_003087)	48-59	MATSGQQNNIGM	2	0.01
Unnamed protein product (BAC39549)	46-61	LSPLQQA <u>VSDLQ</u> ENPE	2	ND
Ran 25 kda ras-related protein (AAB20486)	19-34	HDLEVAQTTALPDEDD	7	0.1
Death-associated protein 3 (NP_075370)	252-261	LVAVDGVNAL	1	ND
Inosine-5'-monophosphate dehydrogenase 2 (P12268)	5-23	LISGGTSYVPDDGLTAQQL	1	ND
Lrp10 protein (AAH11058)	215-227	EPEVWVVEAEDEP	1	0.002
Eukaryotic translation elongation factor 2 (NP_031933)	192-202	YGEGESGPMGN	1	0.003
Eef1a1 protein	191-200	VPISGWNGDN	1	0.008

(P10126)

Cytochrome b5 (NP_079834)	65-82	QAGAD <u>ATESFED</u> VGHSPD	2	0.01
Cytochrome b5 (NP_079834)	136-146	YRHF <u>WADSKSS</u>	1	0.007
AU040320 protein (AAH22154)	107-123	GVRT <u>PALQLSAMQEGDY</u>	2	0.05
AU040320 protein (AAH22154)	377-393	DSDI <u>VQKIQPYTEQST</u>	3	0.03
Dystroglycan (CAA60031)	143-160	VPQT <u>SSVFSIEVYPEDHN</u>	3	0.02
Proteolysis inducing factor (NP_444513)	92-106	ESV <u>GKGA</u> VHDVKDVL	1	ND
ARG1 protein (AAH05321)	129-146	INTPL <u>TTTSGNLHGQPVS</u>	1	ND
Integrin beta 1 (NP_034708)	235-250	LVG <u>QQRISGNLDSPEG</u>	5	0.03
Beta-arrestin 2 (XP_345085)	88-100	RPI <u>AEYLNTQKDM</u>	6	0.3
TPT1 protein (AAH22436)	107-121	NPDGM <u>VALLDYREDG</u>	2	ND

Elongation factor 1-beta (AAC13264)	213-225	<u>YVQSMDVAAFNKI</u>	2	0.03
Histone H3 (S45111)	6-20	<u>RFQSSAVMALQEASE</u>	3	ND
Prdx5 protein (AAH14682)	60-73	<u>IDNGIVKALNVEPDG</u>	3	ND
Immunoglobulin superfamily, member 8 (XP_129529)	57-71	<u>APGPGRLVAQLDTEG</u>	2	0.05
Hspca protein (AAH49124)	45-56	<u>LRELISNSSDAL</u>	1	ND
Hspca protein (AAH49124)	497-510	<u>GETKDQVANS AFVE</u>	2	ND
Tubulin cofactor a (NP_033347)	76-90	<u>TDLQQILESEKDL EE</u>	3	0.03
Cathepsin S (CAA05360)	68-83	<u>MHTYQVGMNDMGDMTN</u>	2	ND
Gamma-soluble NSF attachment protein (Q9CWZ7)	291-306	<u>KPDGAAGMAAEEEEDE</u>	2	ND
Serine (or cysteine) proteinase inhibitor (NP_082273)	383-395	<u>TPSSIIAFKEPFL</u>	1	ND

Calmodulin (A45940)	57-69	<u>IREADIDGDGQVN</u>	1	0.04
4732418C07Rik protein (AAH28320)	250-262	LPG <u>ISSIKDLQDL</u>	1	0.02
78 kDa glucose-regulated protein (BAA11462)	79-91	DAA <u>KNQLTSPEN</u>	1	0.0007
78 kDa glucose-regulated protein (BAA11462)	636-655	YGSG <u>GPPPTGEEDTSEKDEL</u>	1	0.05
Envelope protein (AAG39911)	497-512	VSALE <u>KSLTSLSEVVL</u>	1	0.03
Cathepsin D (NP_034113)	65-77	EPV <u>SELLKNYLDA</u>	3	0.03
High density lipoprotein binding protein (NP_598569)	20-35	VPQ <u>QIKVATLNSEEEN</u>	2	ND
Atp5b protein (AAH37127)	313-325	FR <u>FTQAGSEVSAL</u>	1	ND
Atp5b protein (AAH37127)	520-533	AVAK <u>ADKLAEEHGS</u>	1	0.001
SNRPF protein (XP_357414)	132-143	<u>VEEEEEEDGEMRE</u>	2	ND
Apolipoprotein C-II	15-30	LTQV <u>QESLLGYWDTAK</u>	1	0.006

(P19034)

Interleukin 21 receptor (NP_068687)	350-366	IPLAAG <u>QAVSAYSEERD</u>	3	0.1
Cationic amino acid transporter-1 (AAB05229)	241-254	FPM <u>PRVIYAMAEDG</u>	3	0.002
Ubqln2 protein (AAH21824)	81-94	MRQL <u>IMANPQM</u> QQL	1	0.03
Protein tyrosine phosphatase (NP_033006)	812-827	YKVV <u>QEYIDAFSDYAN</u>	1	ND
Type 1 TNF receptor shedding aminopeptidase regulator (NP_109636)	306-321	GAMEN <u>WGLTTYRESSL</u>	2	ND
Heat shock transcription factor I (AAC80430)	4-22	AVGPG <u>AAGPSNVPAFLTKL</u>	1	ND
Translocase of mitochondrial membrane 7 (NP_079670)	36-50	FTR <u>GADPGMPEPSVL</u>	1	0.2
Profilin 1; actin binding protein (NP_035202)	44-57	TPAE <u>VGVLVGKDRS</u>	8	0.02
Heat shock protein 84 (XP_142222)	177-190	TI <u>AKSGTKAFMEAL</u>	5	0.08
Wwp2 protein	174-186	RGV <u>EEQTKAFLDG</u>	4	0.005

(AAH04712)

G-3-P dehydrogenase (XP_214546)	65-81	LVING <u>KPITIFQERDPT</u>	1	0.03
G-3-P dehydrogenase (XP_214546)	296-316	RVVDL <u>MAYMASKEEATKPSSG</u>	1	0.003
MHC class II antigen E beta-2 chain (A25687)	84-99	RPIVEYLNTQK <u>DMLDN</u>	2	0.008
Leucyl/cystinyl aminopeptidase (NP_766415)	192-206	GSVTISLQALQDTRD	1	ND
Leucyl/cystinyl aminopeptidase (NP_766415)	331-345	MPKKSSVPAEEGLIQ	2	ND
Slc38a2 protein (AAH49271)	150-164	HVESELLHTYSEIVG	2	0.01
Adaptor protein complex AP-2 (NP_031484)	805-820	LAVQTKRVAAQVDGGA	2	0.007
Atp1a1 protein (AAH10319)	211-223	GTARGIVVYTGDR	3	0.07
Lymphocyte cytosolic protein 1 (NP_032905)	508-519	EDIGGGQKVND <u>D</u>	1	0.01
Lymphocyte cytosolic protein 1 (NP_032905)	531-544	EAQKSSSIASF <u>KDP</u>	2	0.1

Matrix metalloproteinase 10 (NP_062344)	130-143	VDSAIE <u>KALKVWEE</u>	1	ND
Nucleoporin 98kD isoform 1 (XP_194372)	56-72	VPNPGVSVIHDYADWVK	1	ND
ATP-binding cassette 2 (NP_031405)	252-266	MPEGHQVDLQGYRDA	1	ND
Protein tyrosine phosphatase receptor type C614-630 (NP_035340)		WPSMEEGTRAFKDIVVT	1	ND
NADH dehydrogenase 1 beta subcomplex (NP_079592)	178-190	FIDHSPKATPDN	1	0.002
Transferrin receptor (NP_035768)	34-47	SHVEMKLAAD EE EN	4	0.05
CD36 antigen (NP_031670)	385-399	INTYVRKLDDFVETG	3	0.08
Actg2 protein (AAH49611)	70-84	YPIEHGIITNWDDME	2	0.5
Unknown (protein for IMAGE:5254400) (AAH52529)	140-156	DSLHVHAQVAEKEEEGN	2	ND
Virion-associated nuclear-shuttling protein (AAG42155)	262-277	LQKQVTELEAEREQKQ	3	0.01

T-cell immunomodulatory protein (Q99KW9)	250-269	KPKNLV <u>VVVGQSAFADFDGDG</u>	1	ND
Nuclear transport factor 2 (NTF-2) (XP_356961)	59-78	LPFQKIQHSITAQDHQPTPD	1	ND
Attractin (AAD25372)	1222-1238	VPVVSK <u>TNIKEYKDSFS</u>	2	0.03
Netrin G2 isoform b (NP_598008)	398-416	KPRSPQV <u>PIIEEFQDCECY</u>	1	0.01
Phosphoglycerate kinase (XP_355086)	76-89	WEAF <u>ARGTKSLMDE</u>	1	ND
Ras homolog enriched in brain (NP_005605)	121-134	KDLH <u>MERVISYEEG</u>	1	0.009
Eukaryotic translation initiation factor 4B (P23588)	10-25	KKGKTISL <u>TDFLAEDG</u>	1	ND
CD23 (AAL84004)	217-233	SDLKGRLV <u>SIHSQKEQDFL</u>	1	0.009
T cell-death associated protein (AAC31794)	239-252	FTPFH <u>VMLLIRCIL</u>	1	0.03
Phosphogluconate dehydrogenase (AAH08646)	210-225	GMRHE <u>EMAQAFEEW</u> NK	1	0.009
Barrier to autointegration factor 1	50-62	LVL <u>KKDEDLFREW</u>	1	ND

(NP_035923)

CDEI-box DNA-binding protein (JC1404)	267-283	TIRHY <u>QHVLAVDPEKAA</u>	1	ND
RIKEN cDNA 2310036D22 (NP_082268)	3-19	KSL <u>SHLPLHSNKEDGYD</u>	1	ND
Zinc finger transcription factor Kaiso (XP_236553)	1184-1196	FKTL <u>TKQEETDDL</u>	1	0.2

The putative 9-mer binding core for each peptide family is underlined. ND refers to not determined.