Table S1. EZΦNX motif (vipidam) and its derivatives found in prions (PrP), prion-like proteins (PrLP) and amyloidogenic proteins (Amyloid).

	Idiotopes as in EZΦNX	
hα-synuclein	63 NVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDQLGKEGYQDYEPEA 112	PrP
Idio-27 VL/VH-CDR1	DVNTAVA Φ ΦΦΦ ΦΦΦΦ ΦΦ ΦΦ Φ DYYMN	
hCPEB4(Q17RY0)	261 FTHRNAAFNQLPHLANNLNKPPSPWSSYQSPSPTPSSS 298	PrLP
Idio-3 VL/VH-CDR1	QL-HLA Φ ΦΦ Φ SYWMH	
hnRNP-A (P09651)	266 GYGSGGQGYGNQGSGYGGSGSYDSYNNGGGGG 297	PrLP
Idio-20 VL/VH-CDR1	SVSTSGYΦΦ Φ DYYMN	
Pin2(Q12057)	219 QSPIFDISDYGENYYYDNNNNNNLQGNSYNTPSSNHRSPYPTENYQSYQ 266	PrP
CLN-IgG VL/VH-CDR1	DISNYLA Φ Φ Φ Φ Φ NYAMS	
vWF (Q4LDE5)	1989 EGYTLAGLDTIECLADGKWSRSDQQCLAVSCDEPPIVDEASPETAERLFGDIAFYYCSDG	Amyloid
CLN-IgG VL/VH-CDR1	DZZZZLA DZZZLAΦ ΦΦΦΦ Φ Φ Φ ΦΦΦ ΦΦΦ DZ	
	2049 YSLADNSQLLCNAQGKWVPPEGQDMPRCIAEFCEKPPSVSYSILESVSKAKFAAGSVVSF	
	ZZLA ΦΦ Φ Φ ΦΦΦ Φ Φ ΦΦ Φ ΦΦ ΦSYXXX Φ Φ ΦΦΦΦ ΦΦ Φ	
	2109 KCMEGFVLNTSAKIECMRGGQWNPSPMSIQCIPVRCGEPPSIMNGYASGSNYSFGAM 2170	
	ΦΦΦΦ Φ Φ ΦΦ Φ Φ Φ ΦΦΦ Φ ΦΦ Φ GYXXX NYXXX	
	Idiotope as in ΦNX	
Sup35(P0545)	3 NQGNNQQNYQQYSQNGNQQQGNNRYQGYQAYNAQAQPAGGYYQNYQGYSGYQQ62	PrP
vipidam	Φ NYQXX Φ Φ GYQXX ΦΦ NYQXX	
Sup35-27	3 GYQNGQYYQNKFYDQNGSYQGSGYNNNQYGQQQQYNYQQAGGYNYANQYGNPN62	PrP
vipidam	GYQXX Φ ΦSYQXX NYQXX ΦΦ NYXXQ	
hFUS(P35637)	129SYSQQPSYGGQQQSYGQQQSYNPPQGYGQQNQYNSSSGGGGGGGGGGNYGQD180	RBP
Idio-33 VH-CDR1	SYXQQ ΦΦ SYXQQ ΦΦ GYXQQ ΦΦΦΦΦΦΦΦΦNYXQX	

	Idiotope as in EZΦ	
APP(P05067)	226VAEEEEVAEVEEEEADDDEDDEDGDEVEEEAEEPYEEATERTTSIATTTTTT278	Amyloid
vipidam	EMEENFAEMEENFA EMEENFAEMEENFA ΦΦ	
HuR/ELAVL-2(Q12926)	1 METQLSNGPTCNNTANGPTTINNNCSSPVDSGNTEDSKTNLIVNYLPQNM 50	RBP
CLN-IgG VL-CDR1	DISNYLA	

hCPEB4: human cytoplasmic polyadenylation element-binding protein 4, hnRNP-A: human heterogenous ribonucleoprotein A1, Pin2: [PSI+] induction protein, Sushi, vWF: SVEP1, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1, RNP: ribonucleoprotein, RBP: RNA binding protein, APP: Aβ protein precursor. Numbers in ( ) are the identifiers of UniProtKB.

Table S2. EZΦNX motif (vipidam) and its derivatives found in prions (PrP), prion-like proteins (PrLP) and amyloidogenic proteins (Amyloid).

	Idiotopes as in EZΦNX	
dSTAR(P42519)	550 YVLDITRFLAAGKLQRKIGRNYFYQRLNASA 583	PrLP
CLN-IgG VL/VH-CDR1	DIZZZLAΦΦΦ ΦΦ NYXXQ	
yEpsin2(Q05785)	429 GNQSISDKYSDLNTLLATGT450*****562AQNFQQQPQYTQNYQQQPQYIQ584	PrLP
Idio-33 VL/VH-CDR1	DVTTDVA Φ Φ Φ Φ NYWMQ	
hnRNPDL(O14979)	356 QGGNYNSAYGGDQNYSGYGGYDYTGYNGNYGYGQGYADYSGQQSTYGKA 406	Amyloid
Idio-20 VL/VH-CDR1	SVSTSGYΦΦ Φ Φ Φ Φ Φ ΦDYYMN	
hDDX23(Q9BUQ8)	708 SNLKAGAKDILVATDVAGRGIDIQVSMVVNYDMAKNIEDYIHR 751	PrP
Idio-33 VL/VH-CDR1	DVTTDVAΦ ΦΦ Φ Φ ΦΦNYWMQ	
	Idiotope as in ΦNX	
*y*NEW-1 (Q08972)	40 NNASKKSSYQQQRNWKQGGNYQQGGYQSYNSNYNNYNNYNNYNNYNNYNNY 91	PrP
vipidam	SYQXX ΦΦNYQXX GYQXX	
hTIA-1(P31483)	350 APWMGPNYGVQPPQGQNGSMLPNQPSGYRVAGYETQ 386	PrP
Idio-33 VH-CDR1	ΦΦNYWMQ	
yRnq1(P25367-1)	223 NNSQQGYNQSYQNGNQNSQGYNNQQYQGGNGGYQQQQGQSGGAFSSLASMQ 275	PrP
vipidam	QQXYN SYQXX X QXYN ΦΦ GYQXX	
	276 SYLGGGQTQSNQQQYNQQGQNNQQQYQQQGQNYQHQQQG 314	
	ΦΦΦ Φ Φ NYQXX	

bκ-casein(P02668)	50 YVLSRYPSYGLNYYQQKPVALINNQFLPTP 80	Amyloid
Idio-33 VH-CDR1	ΦΦNYWMQ	
	Idiotope as in EZΦ	
dResilin (Q9V7UO)	450 GQDLGPSGYSGGRPGSQDLGAGGYSNGKPGGQDLGPGGYSGGRPGGQPLG 500	PrLP
Idio-17 VL-CDR1	SVSTSGYSΦΦ ΦΦ ΦΦΦΦΦ	
hCA8(P35219-1)	10 VAFPEKEEDEEEEEEGVEWGYEEGVEWGLVFPDANGEYQS 50	Amyloid
vipidam	EMEENFAVE Φ ΦΦ ΦΦΦΦ Φ	
*h*Zip-11(Q8N1S5)	100 HLGAAEDPQTTLALNFGSTLMKKKSDPEP 130	PrLP
CLN-IgG VL-CDR1	DZZZZLAΦ ΦΦ Φ	

hCA8: human carbonic anhydrase-related protein 8, hZip-11: human zinc transporter 11, dSTAR: drosophila steroidogenic acute regulatory protein, DDX23: human probable ATP-dependent RNA helicase. Numbers in ( ) are the identifiers of UniProtKB.