

Table S1: List of 15-mer peptides of Aabrin and Babrin

ATA	ATB
1 EDRPIKFSTEGATSQ	1 IVEKSKICSSRYEPT
2 KFSTEGATSQSYKQF	2 KICSSRYEPTVRIGG
3 GATSQSYKQFIEALR	3 RYEPTVRIGGRDGMG
4 SYKQFIEALRERLRG	4 VRIGGRDGMGVDVYD
5 IEALRERLRGGUHD	5 RDGMCVDVYDNGYHN
6 ERLRGGLIHDPVLP	6 VDVYDNGYHNGNRRI
7 GLIHDPVLPDPTTL	7 NGYHNGNRRIIMWKCK
8 IPVLPDPTTLQERNR	8 GNRRIIMWKCKDRLEE
9 DPTTLQERNRYITVE	9 MWKCKDRLEENQLWLT
10 QERNRYITVELSNSD	10 DRLEENQLWTLKSDK
11 YITVELSNSDTESE	11 NQLWTLKSDKTIRSN
12 LNSDTESEVGDIV	12 LKSDKTIRSNGLCT
13 TESIEVGDVTNAYV	13 TIRSNGLCTTYGYA
14 VGIDVTNAYVAYRA	14 GKCLTTYGYAPGSYV
15 TNAYVAYRAGTQSY	15 TYGYAPGSYVMYDC
16 VAYRAGTQSYFLRDA	16 PGSYVMYDCTSAVA
17 GTQSYFLRDAPSAS	17 MIYDCTSAVAEATYW
18 FLRDAPSASDYLFT	18 TSAVAEATYWEIWDN
19 PSSASDYLFTGTDQH	19 EATYWEIWDNGTIIN
20 DYLFTGTDQHSPLFY	20 EIWDNGTIINPKSAL
21 GTDQHSPLFYGTG	21 GTIINPKSALVLSAE
22 SLPFYGTGDLERWA	22 PKSALVLSAESSSMG
23 GTYGDLERWAHQSRQ	23 VLSAESSSMGGTLTV
24 LERWAHQSRQIPLG	24 SSSMGGTLTVQTNEY
25 HQSRQIPLGLQALT	25 GTLTVQTNEYLMRQG
26 QIPLGLQALHTGISF	26 QTNEYLMRQGWRTGN
27 LQALHTGISFFRSGG	27 LMRQGWRTGNNTSPF
28 HGISFFRSGGNDNEE	28 WRTGNNTSPFVTSIS
29 FRSGGNDNEEKARTL	29 NTSFPVTSISGYSDL
30 NDNEEKARTLIVIIQ	30 VTSISGYSDLCMQAQ
31 KARTLIVIIQMVAEA	31 GYSDLCMQAQGSNVW
32 IVIIQMVAEAARFRY	32 CMQAQGSNVWMADCD
33 MVAEAARFRYISNRV	33 GSNVWMADCDNSNKE
34 ARFRYISNRVRSIQ	34 MADCDNSNKEQQWAL
35 ISNRVRSIQGTAF	35 SNKKEQQWALYDGS
36 RVSIQTGTAFQPDAA	36 QQWALYDGSIRSVD
37 GTGTAFQPDAAISLE	37 YTDGSIRSVQNTNNC
38 QPDAAISLENNWDN	38 IRSVQNTNCLTSKD
39 MISLENNWDNLSRGV	39 NTNCLTSKDHKQGS
40 NNWDNLSRGVQESVQ	40 LTSKDHKQGSTILLM
41 LSRGVQESVQDTFPN	41 HKQGSTILLMGCSNG
42 QESVQDTFPNQVTLT	42 TILLMGCSNGWASQR
43 DTFPNQVTLTNIRNE	43 GCSNGWASQRWVFKN
44 QVTLTNIRNEPVID	44 WASQRWVFKNDGSIY
45 NIRNEPVIDSLSHP	45 WVFKNDGSIYSLYDD
46 PVIVDSLSPHTVAVL	46 DGSISLYDDMVMDV
47 SLSHPHTVAVLALMLF	47 SLYDDMVMDVKGSDP
48 TVAVLALMLFVCNPP	48 MVMMDVKGSDPSLKQI
49 VAVLALMLFVCNPPN	49 KGSDPSLKQIILWPY
	50 SLKQIILWPYTGKPN
	51 ILWPYTGKPNQIWLTL
	52 WPYTGKPNQIWLTLF