

Supporting information

Identified peptide sequences as used for the peptide mapping of Glycinin 1 to 5 as presented in Figures 4 and 5 and the location of the fragment in the acidic (A) or basic (B) poly-peptide of the corresponding Glycinin subunit.

	Sequence of peptide	Glycinin 1	Glycinin 2	Glycinin 3	Glycinin 4	Glycinin 5
1	AFFGCPETFEKPQQQ	-	-	-	-	A3 [f81-95]
2	AFFGCPETFEKPQQQSS	-	-	-	-	A3 [f81-97]
3	AFFGCPETFEKPQQQSSR	-	-	-	-	A3 [f81-98]
4	AIPSEVLAHSY	-	-	-	B3 [f141-151]	-
5	ALIQVVNCNGER	B2 [f79-90]	-	-	-	-
6	ALVQVVNCNGER	-	B1a [f79-90]	B [f79-90]	-	-
7	EGDLIAVPTGF	-	-	A [f114-124]	-	-
8	EGDLIAVPTGVAW	A1a [f119-131]	A2 [f117-129]	-	-	-
9	EGDLIAVPTGVAWW	A1a [f119-132]	A2 [f117-130]	-	-	-
10	FDGELQEGRVLIVPQNF	-	B1a [f92-108]	-	-	-
11	FNECQLNNLNALEPDHHR	-	-	-	-	A3 [f6-22]
12	FNECQLNNLNALEPDHHRVESEGGLIETW	-	-	-	-	A3 [f6-33]
13	FREGDLIAVPTGVAW	A1a [f117-131]	A2 [f115-129]	-	-	-
14	GAIGFAFPGPCPETFEKPQQQ	-	-	-	-	A3 [f76-95]
15	GAIGFAFPGPCPETFEKPQQQSS	-	-	-	-	A3 [f76-97]
16	GALGVAIPGPCPETFEEPQEQSN	-	-	-	A5 [f76-97]	-
17	GGLSVIKPPTEQQQRPEEEEEEEDEKPQCK	A1a [f241-272]	-	-	-	-
18	GIDETICTMR	B2 [f1-10]	B1a [f1-10]	B [f1-10]	-	-
19	GIFGMIYPGCPSTFEEPQQPQQR	A1a [f79-101]	-	-	-	-
20	GMIFPGCPSTFEEPQQQK	-	-	A [f80-96]	-	-
21	GMIFPGCPSTYQEPQESQQR	-	A2 [f80-99]	-	-	-
22	GQLLVPQNFVVAEQAGEQGFYIVFK	-	-	-	B3 [f99-125]	-
23	GVLIVPQNF	-	B1a [f100-108]	-	-	-
24	HNIGQTSSPDIYNPQAGSVTTAT	B2 [f13-35]	-	-	-	-
25	HNIGQTSSPDIYNPQAGSVTTATSLDFPALS	B2 [f13-44]	-	-	-	-
26	HNIGQTSSPDIYNPQAGSVTTATSLDFPALSWR	B2 [f13-46]	-	-	-	-
27	IESEGGFIETWNPNNKPF	-	A2 [f24-41]	A [f24-41]	-	-
28	IESEGGFIETWNPNNKPFQC	-	A2 [f24-43]	A [f24-43]	-	-
29	IESEGGFIETWNPNNKPFQCAGVAL	-	A2 [f24-48]	A [f24-48]	-	-
30	IESEGGFIETWNPNNKPFQCAGVALSR	-	A2 [f24-50]	A [f24-50]	-	-
31	IESEGGLIETWNPNNKPF	A1a [f26-43]	-	-	-	-
32	IESEGGLIETWNPNNKPFQCAGVAL	A1a [f26-50]	-	-	-	-
33	IESEGGLIETWNPNNKPFQCAGVALSR	A1a [f26-52]	-	-	-	-
34	ISTLNSLTPALR	-	-	-	B3 [f31-43]	B4 [f31-43]
35	IYPGCPSTFEEPQQPQQR	A1a [f84-101]	-	-	-	-
36	LNECQLNNLNALEPDHHRVESEGGLIQTW	-	-	-	A5 [f6-33]	-
37	LSAEFGSLRK	B2 [f47-56]	-	-	-	-
38	LSAQYGSLR	-	B1a [f47-55]	-	-	-

39	MYNNEDETPVAVSIIIDNSLENQLDQMPR	A1a [f133-161]	A2 [f131-159]	-	-	-
40	NALPEEVIQHTF	A1a [f143-154]	B1a [f143-154]	-	-	-
41	NAMFVPHYNLNAN	A1a [f57-69]	-	B [f57-69]	-	-
42	NAMFVPHYTLNAN	-	B1a [f57-69]	-	-	-
43	NGIYSPHWNLNAN	-	-	-	B3 [f57-69]	-
44	NGIYSPHWNLNANSVIY	-	-	-	B3 [f57-73]	-
45	NGSHLPSYLPYPQMIIVVQGK	-	-	-	-	A3 [f55-75]
46	NLQGENEEEDSGAIVTVK	-	A2 [f221-238]	-	-	-
47	NLQGENEGEDKGAIITVK	A1a [f223-240]	-	-	-	-
48	NSLTPALR	-	-	-	B3 [f35-43]	B4 [f35-43]
49	NSQHPELQCAGVTVSKR	-	-	-	-	A3 [f34-50]
50	NTNEDTAEKLRSPPDERKQIVTVEGG	-	-	-	-	A3 [f218-243]
51	PGCPETFEFPQEQQSN	-	-	-	A5 [f83-97]	-
52	QNIGQNSSPDIYNPQAGSITTATSLDFPALW	-	B1a [f13-43]	-	-	-
53	QQEEENEGSNILSGFAPEFLK	-	A2 [f189-209]	-	-	-
54	QSQVSELKYEGNWGPLVNPESQQGSPR	-	-	-	B3 [f155-181]	-
55	RGQLLVVPQNFVVAEQAGEQGFYIVFK	-	-	-	B3 [f98-125]	-
56	RPSYTNAPQEYIYQQGSIF	-	-	A [f60-79]	-	-
57	RPSYTNAPQEYIYQQGSIFGMIFPGCPSTFEFPQQK	-	-	A [f60-96]	-	-
58	RPSYTNGPQEYIYQQGK	A1a [f62-78]	-	-	-	-
59	RPSYTNGPQEYIYQQGNGIFGMIFPGCPSTYQEPQESQQR	-	A2 [f60-99]	-	-	-
60	RRPSYTNGPQEYIYQQGK	A1a [f61-78]	-	-	-	-
61	SLLNALPEEVQHTF	B2 [f140-154]	B1a [f140-154]	-	-	-
62	SQSDNFYVVSF	B2 [f114-124]	B1a [f114-124]	B [f114-124]	-	-
63	SQSDNFYVVSFK	B2 [f114-125]	B1a [f114-125]	B [f114-125]	-	-
64	SSPDIYNPQAGSITTATSLDFPALW	-	B1a [f19-44]	-	-	-
65	TNDRPSIGNLAGANSLLNALPEEVQHTF	-	B1a [f126-154]	-	-	-
66	TNDTPMIGTLAGAN	B2 [f126-139]	-	-	-	-
67	TNDTPMIGTLAGANSLLNALPEEVQHTF	B2 [f126-154]	-	-	-	-
68	VESEGGLIETW	-	-	-	-	A3 [f23-33]
69	VESEGGLIQTW	-	-	-	A5 [f23-33]	-
70	VFDGELQEGGV	-	B1a [f91-101]	-	-	-
71	VFDGELQEGGVLIVPQNF	-	B1a [f91-108]	-	-	-
72	VFDGELQEGGVLIVPQNFAVAAK	-	B1a [f91-113]	-	-	-
73	VFDGELQEGQVLIVPQNF	-	-	B [f91-108]	-	-
74	VFDGELQEGR	B2 [f91-99]	-	-	-	-
75	VLIVPQNF	B2 [f101-108]	B1a [f101-108]	B [f101-108]	-	-
76	VVAEQAGEQGFYIVFK	-	-	-	B3 [f109-125]	-
77	VVNCQGNNAVFDFGLR	-	-	-	B3 [f83-97]	B4 [f82-96]
78	WMYNNEDETPVAVSIIIDNSLENQLDQMPR	A1a [f132-161]	A2 [f130-159]	-	-	-
79	YEGNWGPLVNPESQQGSPR	-	-	-	B3 [f163-181]	-

