

Table S1. Full list of the identified peptides in the low molecular weight protein fraction (<10kDa) of the soybean duodenal digest (D=180 min). The accession number and the allergen codification (if present) were reported for each protein..

Peptide sequence	Protein	XCorr	m/z [Da]	ΔM [ppm]
VVEDLPEGPAVKIGE	Trypsin inhibitor A*(P01070); Trypsin inhibitor B*(P01071)	3.67	776.4	-51
SVVEDLPEGPAVKIGE		5.05	819.8	-165
ISIDHDDGTRRL		2.07	699.3	-103
VLDNEGNPLENGGTY	Trypsin inhibitor A*(P01070)	4.37	796.4	91
NKDAMDGW		2.54	468.7	-22
DNEGNPLENGGTY		3.28	690.4	106
EDDEDEQIP	Glycinin G4* (P02858)	2.31	545.2	-40
WGPLVNPESQQGSPR		3.74	826.3	-139
LLDTSNFNNQ		3.22	583.4	275
PSYSPYPRM		3.24	549.4	159
VTRGQGKVRV		2.87	550.3	-112
KYEGNWGPL		2.73	532.1	-292
LAGNPDIEY		2.84	496.4	287
FNTNEDIAEKL		3.28	647.2	-184
DQTPRVFY		2.57	513.2	-128
YLAGNPDIEY		2.79	577.8	50
VVAEQAGEQGFE		4.53	632.5	298
LDTSNFNNQLDQTPRVFY		4.24	1086.8	273
SGFSKHF	Glycinin G4* (P02858); Glycinin* (P04347)	2.07	405.2	-45
IVTVEGGLSVISPK		4.53	699.8	-180
YLAGNPDIEHPETM	Glycinin* (P04347)	3.93	793.7	-188
IIVVQKGGAIG		2.46	527.7	-271
KYQGN SGPLVNP		3.09	637.3	-74
LDQNPRVFY		2.85	576.2	-174
IETWNSQHPEL		3.37	677.5	186
SHLPSYLPYPQM		2.54	716.7	-201
KLRSPDDERKQ		3.14	686.2	-243
YLAGNPDIEHPET		2.95	728.4	37
IGQNSSPDIYNPQAGSITT	Glycinin G2* (P04405)	4.89	981.8	-167
GRSQR PQDRHQK		2.52	498.3	13
YQEPQESQQRGRSQR PQDRHQK		2.61	922.6	-254
IGQNSSPDIYNPQAGSI		4.17	881.1	136
FAPEFLKEAFGVNMQ		3.79	864.3	-146
FAPEFLKEAFG		3.09	628.4	151
SSPDIYNPQAGSIT		3.23	725.5	152
VPHYTL		2.19	365.1	-286
IGQNSSPDIYNPQAGSITTA		3.63	1017.3	-177
LQGENEEEDSGAIVTVK		3.87	909.3	-152
LLNALPEEVIQHTF	Glycinin G2* (P04405); Glycinin G1* (P04776)	5.93	541.9	-37
LLNALPEEVIQHTFN		4.50	869.4	-89
ALPEEVIQHTF		2.70	642.3	-80
LLNALPEEVIQH		2.85	688.5	223
IIDTNSLENQLDQMPRR		3.32	1022.1	74
LNALPEEVIQHTF		3.98	756.0	138
SIIDTNSLENQLDQMPRRF		2.82	759.5	-226

IIDTNSLENQLDQMPRRF		2.03	1095.3	-214
NALPEEVIQHTF		3.12	699.5	260
FREGDLIAVPTGVAW		3.78	816.0	41
LLNALPEEVIQHT		3.47	738.8	-156
VSFKTNDTPMIGT	Glycinin G1* (P04776)	3.25	706.0	135
KTNDTPMIGTL		3.15	595.9	214
KYQQEQGGHQSQKGKHQQEEENEGGSIL		4.92	1061.3	139
KNNNPFKF		2.11	504.8	13
LQGENEGEDKGAIVT		2.62	780.4	75
LKYQQEQGGHQSQKGKHQQE		3.87	789.4	-17
LKPDNRIESEGLL		3.13	714.5	135
SVIKPPTDEQQRPQE		2.80	940.4	-95
IGQTSSPDIYNPQAGSVTT		4.47	968.2	-248
SSPDIYNPQAGSV		3.13	667.7	-168
IKNNNPFKF		3.51	561.4	141
IGQTSSPDIYNPQAGSV		4.82	867.3	-138
IKNNNPF		2.43	423.7	-102
LEFLEHAF		2.45	503.2	-131
TLEFLEHAFS		2.45	597.4	114
IYNPQAGSVTTA		2.39	611.2	-182
VLHEAI	Lectin* (P05046)	2.00	341.2	-67
NKVDENGTPKPSSL		2.87	743.3	-120
LDIPGESHDVL		3.04	597.7	-179
RNSWDPPNPHIG		2.19	695.5	230
IVTSSGKLQL		3.24	523.2	-239
LAPIDTKPQTHAGY		2.77	756.3	-137
EDWGSMGIPGAF		2.74	633.8	79
TIPLPVIKE	Seed Linoleate 13S-lipoxygenase-1(P08170)	2.82	562.0	293
NTSLPTLGAGE		2.49	530.2	-147
INNHEKAYL		2.55	551.2	-172
LSLPHSAGDL		3.10	505.3	8
ITKEHLEPNL		2.69	597.3	-83
LKNDGTLRP	Seed Linoleate 9S-lipoxygenase-3(P09186)	2.27	507.2	-198
EDIPNHGSIHF		3.31	633.3	-25
DLNFTPRE		2.71	496.4	214
LSLPHPQGDQSGAF		2.62	727.2	-207
IEDYPYAVDGL	Seed Linoleate 9S-lipoxygenase-3(P09186); Seed Linoleate 9S-lipoxygenase-2(P09439)	2.64	627.8	-25
LSLPHPAGDLSG	Seed Linoleate 9S-lipoxygenase-2(P09439)	3.41	582.3	-47
LANGKGKVGKDTF		3.76	668.0	199
EDVPNQGTIRF		3.28	638.2	-188
TIMPLPVVKE		2.30	563.8	-94
WWYKVENHAAELTAGYY	β -amylase (P10538)	2.33	1050.8	-171
LRYPSPQSQG		2.73	648.2	-188
EATKPTLPFPW		3.17	644.0	189
LEATKPTLPFPW		3.47	700.4	-19
IVNIPIQW		2.81	540.3	-74
LSVVDMNEGALFLPH	β -conglycinin- α' chain* (P11827)	3.75	821.3	-148
VVDMNEGALFLPH		3.50	721.5	198
ILEASYDTKFEEINKVL	β -conglycinin- α' chain* (P11827); β -conglycinin- α chain* (P13916)	4.05	671.4	17
LSEQDIFVIPA		2.74	616.5	294
RAELSEQDIFVIPA		2.13	794.3	-160
FAPEFLEHAF	Glycinin G3* (P11828)	3.05	604.4	251

LNALPEEVIQQT		4.34	751.3	-142
IGQTSSPDIFNPQAGSIT		3.31	916.9	-73
SSPDIFNPQAGSITT		2.86	767.9	5
IDTNSFQNQL		3.20	590.5	299
FEPPQQKGQSSRPQDRHQB		3.20	770.9	209
LLNALPEEVIQQT		4.02	807.8	-179
NALKPDNRIESEGGF	Glycinin G3* (P11828); Glycinin G2* (P04405)	2.69	549.5	-150
LKPDNRIESEGGF		2.83	731.5	207
VKNNNPFSF		3.40	533.9	254
RIESEGGF		2.49	447.8	91
VKNNNPFS		2.19	460.2	-106
KTNDRPSIGNL		3.82	607.8	-77
YNNEDTPVVA	Glycinin G3* (P11828); Glycinin G2* (P04405); Glycinin G1* (P04776)	2.08	561.4	252
IETWNPNNKPFQ		3.17	744.5	179
IETWNPNNKPF		3.66	680.5	226
YLAGNQEQEF		3.35	599.7	-126
ERVFDGEL		2.47	482.6	-281
WNPNNKPFQ		2.39	572.8	-3
NGERVFDGEL		3.09	568.4	226
GQSSRPQDRHQB	Glycinin G3* (P11828); Glycinin G1* (P04776)	2.45	712.3	-101
LRVPSGTTY	β-conglycinin-α chain (P13916)	2.77	497.4	161
VVNPDDNNENLRL		3.27	698.7	-226
IVDMNEGALLLPHFNSKA		5.04	657.2	289
ERQFPFPRPPHQKE		2.91	896.8	-181
FSRNILEASY		2.29	600.2	-182
RLQSGDALRVPSGTTY		3.30	861.1	183
RLQSGDALRVPSGTTY		3.27	942.3	-184
YVVNPDDNNENLRL		3.67	780.3	-128
VLEHGGIATDDDY	P34 probable thiol protease* (P22895)	2.30	832.8	-93
EWVLEHGGIAT		2.09	606.2	-180
WVLEHGGIAT		3.43	541.9	253
KKMKKEQY		2.47	541.8	-53
YVGQKTKEVGQKTKE	P24 oleosin isoform A (P29530); P24 oleosin isoform B (P29531)	3.09	574.9	-213
YVGQKTKEVGQKTKEVGQD		4.75	708.2	230
IYHSERGPTTSQVL		3.64	794.3	-144
VHTTTHRYEAG	P24 oleosin isoform B (P29531)	2.97	424.5	-60
FDQQNEGSIF	Sucrosebindingprotein (Q04672)	2.36	592.7	-115
LVSESETEKITLEPGDMMHIPAGTPLY		4.61	981.0	144
IHIPAGTPLY		2.87	541.2	-209
IVNRDENDKL		2.71	608.2	-201
KITLEPGDM		3.18	502.4	277
ALQTPKGKL		2.49	478.2	-139
DLKPGMV		2.07	380.2	72
EKITLEPGDM		2.57	566.8	-6
TRVETEGGRIRV		2.38	686.8	-145
HHTNPTKPINL	Basic 7S globulin 2 (Q8RVH5)	2.87	636.3	-99
HSVFPPNK		2.21	463.2	-133
LSDSVPIQHH		2.10	615.2	-193
VMDKPNGPVW	Basic 7S globulin 2 (Q8RVH5); Basic 7S globulin (P13917)	2.83	579.7	-153
VMDKPNGPVW		3.94	571.9	105
VDLNGNHL		2.42	441.3	131
MDKPNGPVW		3.31	522.2	-118
LGHAPISLPNQ		2.95	573.7	-212

LGHAPISL		2.22	404.3	115
LGHAPISLPNQL		3.06	630.5	139