

**Table S1.** Sequences, Functional Properties and Bioactivity of Mung Bean Albumin Hydrolysates Derived from Gastrointestinal Enzymatic Hydrolysis.

<b>Peptide Sequence</b>	<b>Molecular Mass (kDa)</b>	<b>Hydrophobicity (Kcal/mol)</b>	<b>Isoelectric Point</b>	<b>Charge</b>
F	165.079	6.19	5.41	0
W	204.090	5.81	5.64	0
SM	236.083	7.69	5.33	0
ANG	260.112	10.40	5.61	0
EL	260.137	10.28	3.20	-1
MD	264.078	10.87	2.95	-1
KK	274.200	13.50	10.57	2
TTA	291.143	8.90	5.49	0
SVP	301.163	8.04	5.18	0
QSA	304.138	9.63	5.49	0
QSA	304.138	9.83	5.49	0
PEA	315.143	12.17	3.21	-1
SSK	320.169	11.62	9.88	1
EW	333.132	9.44	3.27	-1
APGP	340.174	9.83	5.24	0
SSNG	363.139	10.82	5.51	0
SCR	364.153	10.15	8.76	1
TPPG	370.185	9.58	5.49	0
LGW	374.195	5.71	5.69	0
GKTA	375.211	12.60	10.16	1
VSAT	376.195	8.65	5.36	0
CCR	380.130	9.67	8.30	1
GHTA	384.175	12.13	7.91	0
TSW	392.169	6.52	5.57	0
PPKG	397.232	12.13	10.59	1

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AEW	404.169	9.94	3.27	-1
WGF	408.179	5.25	5.42	0
MGGY	426.157	8.82	5.39	0
PEW	430.185	9.58	3.27	-1
GDGW	433.159	11.75	3.18	-1
TGGSGG	434.176	13.21	5.49	0
HVW	440.217	7.68	7.69	0
LEW	446.216	8.19	3.27	-1
DVAF	450.211	9.87	3.05	-1
SKAF	451.242	9.95	9.88	1
EEW	462.175	13.07	3.09	-2
VCLE	462.214	9.80	3.09	-1
DGGGY	467.165	14.28	3.05	-1
SPEH	468.196	14.46	5.06	-1
TYW	468.200	5.35	5.56	0
GGSGKA	475.238	15.11	10.16	1
TDGW	477.185	10.85	3.18	-1
SMGW	479.183	6.75	5.60	0
PEGW	487.206	10.73	3.27	-1
VGGAW	488.238	8.15	5.69	0
YAPAA	491.237	8.83	5.50	0
AHGGPG	494.223	14.32	7.95	0
FFW	498.226	2.39	5.62	0
STKTA	506.269	12.16	9.88	1
TSDW	507.196	10.16	3.18	-1
SMSW	509.194	6.06	5.60	0
ESAGF	509.212	11.93	3.14	-1
SSPGY	509.212	9.40	5.38	0
YTGAT	511.227	9.34	5.29	0

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THAGK	512.270	14.93	9.82	1
SPRGT	516.265	11.71	10.85	1
EAGGW	518.212	12.24	3.27	-1
SPPGPA	524.259	10.43	5.51	0
HEGW	527.212	12.92	5.06	-1
SSKGTG	535.259	14.17	9.88	1
MSDW	537.189	9.24	3.18	-1
STGGGY	540.217	11.35	5.38	0
HAEW	541.228	12.27	5.06	-1
GKGS GF	551.270	12.90	10.16	1
MSMW	553.202	4.93	5.61	0
YGMW	555.215	5.58	5.58	0
PYTW	565.253	5.49	5.72	0
ECVGY	569.215	11.49	3.14	-1
SPKAAP	569.316	12.44	9.88	1
TPPALS	584.316	8.14	5.36	0
STGGGSM	595.226	11.85	5.33	0
PQVAW	599.306	6.76	5.75	0
DSAEW	606.228	14.04	3.05	-2
YGMGW	612.236	6.73	5.58	0
STGVAW	619.296	7.71	5.60	0
AGKGSFG	622.307	13.40	10.21	1
PGLSAW	629.316	6.81	5.75	0
TPAAATT	631.317	10.29	5.28	0
NPSLGTG	644.312	10.65	5.38	0
VPPGKGGP	707.396	14.11	10.14	1
STGYTW	713.301	7.21	5.58	0
SPKPGAGL	725.406	12.99	9.88	1
TEGGFCD	727.247	15.99	2.82	-2

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TPKGGSGK	730.396	17.80	10.57	2
TSKSMW	738.336	9.11	9.82	1
SRGGGAGW	746.345	13.18	10.85	1
SSKGPAASG	760.370	15.52	9.88	1
TPPPGKTA	767.417	13.27	9.82	1
SPPAGGPTL	795.411	10.58	5.50	0
CSVFSAW	798.336	5.04	5.29	0
TSYGTTW	814.349	7.46	5.56	0
KTGAGAGAAL	815.449	15.15	9.80	1
TPKAGGGPGV	839.449	15.87	9.82	1
TPGLGGGKTA	857.459	15.19	9.82	1
TPPVGGGKTA	883.475	14.97	9.82	1
SPKTPGGATA	885.454	15.24	9.88	1
KTGPSGASKG	888.465	18.76	10.57	2
QPGGGGGGGGAR	926.431	20.32	10.80	1
GHPAGTAATR	937.472	16.48	11.13	1
QPSVGPPAAF	969.491	9.53	5.38	0
SPKPGPPVSL	977.553	11.62	9.88	1
SPKPGPPVGTA	1006.543	14.31	9.88	1
TPKGPASPGHV	1046.549	16.50	9.82	1
LSPAKPPGVSKG	1136.653	15.93	10.64	2
YPPEVGAGSGKSAW	1404.665	16.72	6.58	0
TPRGGGDSPPPLCTR	1509.734	18.86	8.70	1

\* Indicates positive antioxidant capacity according to the BIOPEP database.

**Table S2.** Sequences, Functional Properties and Bioactivity of Mung Bean Albumin Hydrolysates Derived from Thermolysin Enzymatic Hydrolysis.

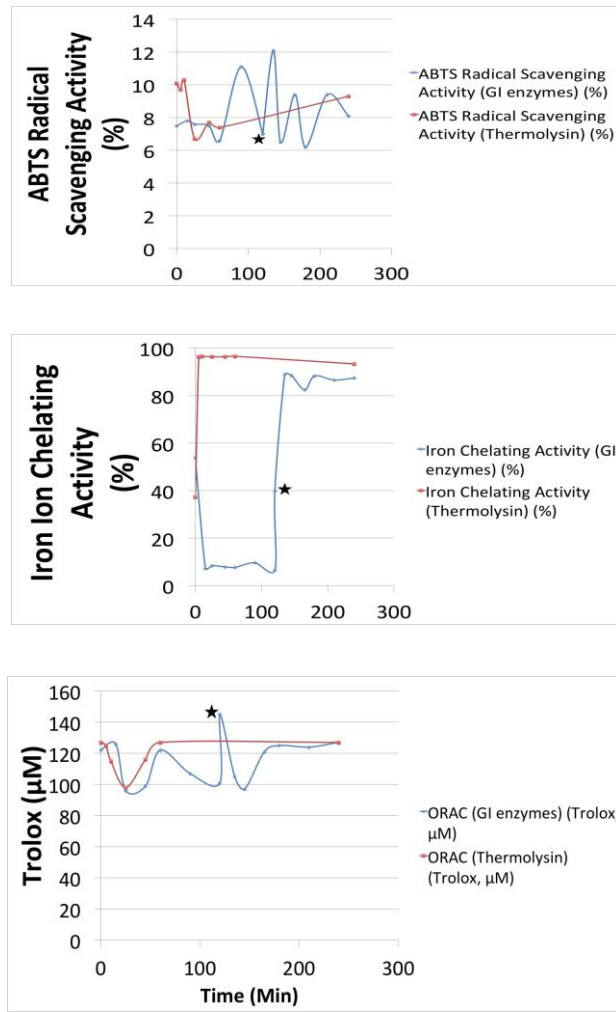
Peptide Sequence	Molecular Mass (Da)	Hydrophobicity (Kcal/mol)	Isoelectric Point	Charge
W	204.090	5.81	5.64	0
ANG	260.112	10.40	5.61	0
DM	264.078	10.87	3.02	-1
SY	268.106	7.65	5.38	0
KK	274.200	14.50	10.57	2
TTA	291.143	8.90	5.49	0
GDM	321.099	12.02	3.02	-1
ASR	332.180	10.67	11.18	1
ATR	346.196	10.46	11.18	1
SSR	348.175	10.63	10.85	1
GGGY	352.138	10.64	5.45	0
TGW	362.159	7.21	5.57	0
CEN	364.105	12.36	3.11	-1
PPGV	368.205	8.87	5.69	0
GKTA	375.211	12.60	10.16	1
AFR	392.217	8.50	11.18	1
EDM	393.120	14.50	2.89	-2
TTEA	420.185	12.53	3.21	-1
GNMD	435.142	12.87	2.95	-1
TTKS	435.232	11.66	9.82	1
ATMD	436.162	11.62	2.95	-1
STDN	452.157	11.58	3.02	-1
LHLA	452.274	8.23	7.89	0
SNGW	462.186	8.27	5.60	0
DTDM	480.152	14.76	2.85	-2
TTKF	495.269	9.49	9.82	1
MTDM	496.166	10.45	3.02	-1

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NGGGTM	535.205	11.78	5.22	0
HASGPA	538.249	12.98	7.69	0
TTKSGG	549.275	13.96	9.82	1
GKSGGF	551.270	12.90	10.16	1
NGGGSY	553.213	11.95	5.27	0
NNGPR	556.271	12.70	10.60	1
HTGGAGA	569.255	14.93	7.69	0
SPKPAA	569.316	12.44	9.88	1
SPPLGT	570.300	8.79	5.30	0
EAAAPW	643.296	11.08	3.27	-1
HASGSSR	700.324	15.07	10.91	1
SPHGASR	710.345	14.75	10.85	1
TPPAAGPSS	783.375	11.64	5.36	0
ASAGPGSSR	788.377	14.53	11.18	1
SVAVGGKTA	788.438	13.79	9.88	1
TPPPGAGSR	838.429	13.64	10.79	1
KESGGGVGR	845.434	20.74	9.80	1
THGGPAGTGP	850.392	16.11	7.57	0
YMMDM	869.221	8.82	3.02	-1
HTGSPAGALA	880.439	13.63	7.69	0
TTGTGGPAGGY	937.413	14.33	5.36	0
EKGSGVGGGW	989.455	19.14	6.71	0
SSKGGPAAGAEW	1173.540	19.40	6.60	0

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\* Indicates positive antioxidant capacity according to the BIOPEP databas.



**Figure S1.** Antioxidant potential of mung bean albumin hydrolysates at various hydrolysis times from two different enzyme schemes. The star marks the time point at which pancreatin was added 2 h after pepsin. These results were obtained from hydrolysates derived from an average of 576  $\mu\text{g/mL}$  of mung bean albumin.