



**Fig. S1.** Five fractions, I, II, III, IV, and V, of wheat germ hydrolytes were extracted via Sephadex G25 (A). The DPPH radical scavenging activity and oxygen radical absorption activity of five fractions *in vitro* (B).

**Table S1.** Amino acid sequences of potent peptides in fraction V identified by LC-MS/MS arranged via PeptideRanker results.

<b>Number</b>	<b>Sequence</b>	<b>MW (Da)</b>	<b>PeptideRanker Results</b>
1	NDWKQPGW	1029.461	0.85
2	ADWGGPLPH	948.4392	0.85
3	ANPWVPSM	900.4078	0.84
4	YDWPGGRN	963.4156	0.81
5	GGEDPIRW	928.4328	0.81
6	PWVPSM	715.328	0.8
7	TNPLNPW	937.4592	0.79
8	LNYPY	765.3642	0.72
9	QQPGQGQPW	1024.465	0.64
10	GQQPGQGQPW	1081.488	0.64
11	MPFPSKT	806.3878	0.62
12	MPFPSKT	806.3878	0.62
13	VDYPSF	726.312	0.6
14	GWRGPVPD	882.4272	0.57
15	YEDWSMPHT	900.3368	0.52
16	FGADLDAAT	879.4044	0.36
17	QPYPQQPQ	856.401	0.36
18	GNPVPPVDQY	1084.516	0.36
19	EAQANATVFL	1062.539	0.35
20	TMMAMAT	702.2422	0.24