**Antioxidant and antibacterial activities of modified crab shell bioactive peptides by Maillard reaction**

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(Running title: Bioactivity of Maillard reaction modified peptide)

**Supplementary Data**



**Supplementary Figure S1.** A schematic overview of the experimental study.



**Supplementary Figure S2.** A typical HPLC chromatogram for the molecular weight distribution of the MRPs (A) and calibration curve (B). Size exclusion chromatograms using a TSKgel G2000SWXL column at a flow rate of 1.0 mL/min of pH 7.2 sodium phosphate buffer (0.02 M) containing 0.25 M NaCl. Molecular weight distributions were calculated according to the calibration curve. MRPs: Maillard reaction products.