

1 **Supplementary data for “The novel hypoglycemic agent:**
2 **polysaccharides from Laver (*Porphyra* spp)”**

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4 **Supplementary material and methods**

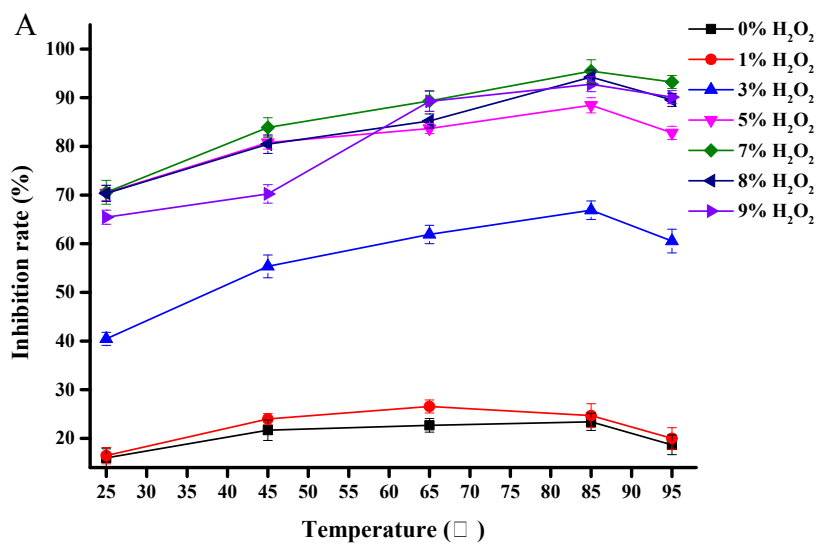
5 **The optimization of reaction conditions**

6 When H₂O₂ was used as oxidant to degrade crude polysaccharides, the temperature and
7 heating time were optimized. To investigate the influence of temperature, the reaction
8 systems were incubated under various temperatures (25—95 °C). Moreover, the impact
9 of heating time (0—4 h) was investigated under 85 °C.

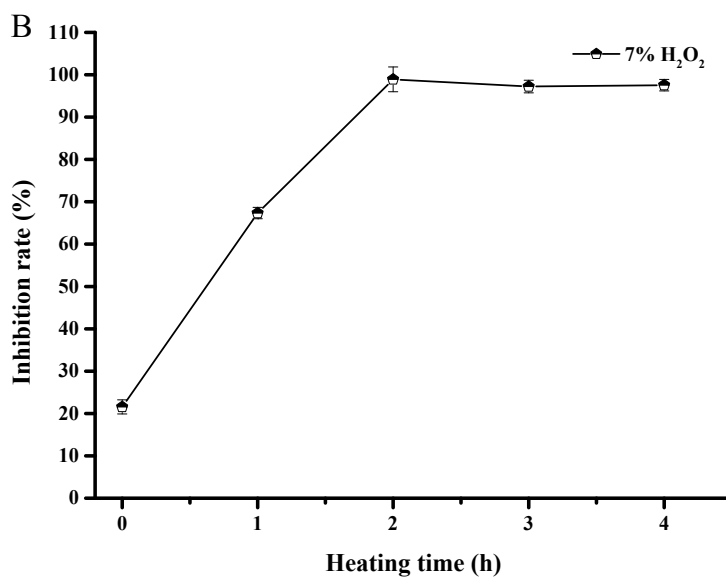
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11 Supplementary Figures

12 Supplementary figure 1



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15 **The optimization of reaction conditions when H₂O₂ was used as oxidant to degrade**

16 **crude polysaccharides.** (A) The optimization of reaction temperature for H₂O₂ to

17 degrade crude polysaccharides. The various concentrations of H₂O₂ (0—9%) were used

18 as oxidant and the reaction systems were heated for 3 h. (B) The optimization of

19 reaction time when 7% of H₂O₂ was used to degrade crude polysaccharides. The

20 reaction system was heated under 85 °C.