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Effect of tyrosinase-aided crosslinking on the IgE binding potential and conformational structure of shrimp (*Metapenaeus ensis*) tropomyosin

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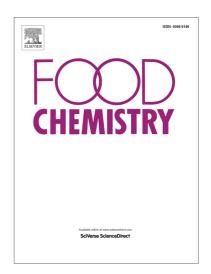
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Running title: Tyrosinase influenced the allergenicity and structure of shrimp 1 TM 2 3 Effect of tyrosinase-aided crosslinking on the IgE binding potential and 4 conformational structure of shrimp (Metapenaeus ensis) tropomyosin 5 Ishfaq Ahmed ^a, Liangtao Lv ^a, Hong Lin ^a, Zhenxing Li ^{a,*}, Jiaju Ma ^a, Chen Guanzhi ^b, Lirui 6 Sun^a, Lili Xu^a, 7 8 9 ^aCollege of Food Science and Engineering, Ocean University of China, No.5, Yushan Road, Qingdao, Shandong 10 Province, 266003, P.R. China 11 ^b The Affiliated Hospital of Medical College Qingdao University, Qingdao, Shandong Province, 266071, P.R. 12 China 13 *Corresponding author: 14 Zhenxing Li, Professor 15 E-mail: lizhenxing@ouc.edu.cn 16 Phone: +86-532-82032389 17 Fax: +86-532-82032389 18 19 20 21 22 23 24

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