

Function of *Thelenota ananas* saponin desulfated holothurin A in modulating cholesterol metabolism

Qi-an Han¹, Kaifeng Li¹, Xiuping Dong², Yongkang Luo^{1*}, Beiwei Zhu^{1,2*}

⁴ ¹ Beijing Advanced Innovation Center for Food Nutrition and Human Health, College
⁵ of Food Science and Nutritional Engineering, China Agricultural University, Beijing
⁶ 100083, China

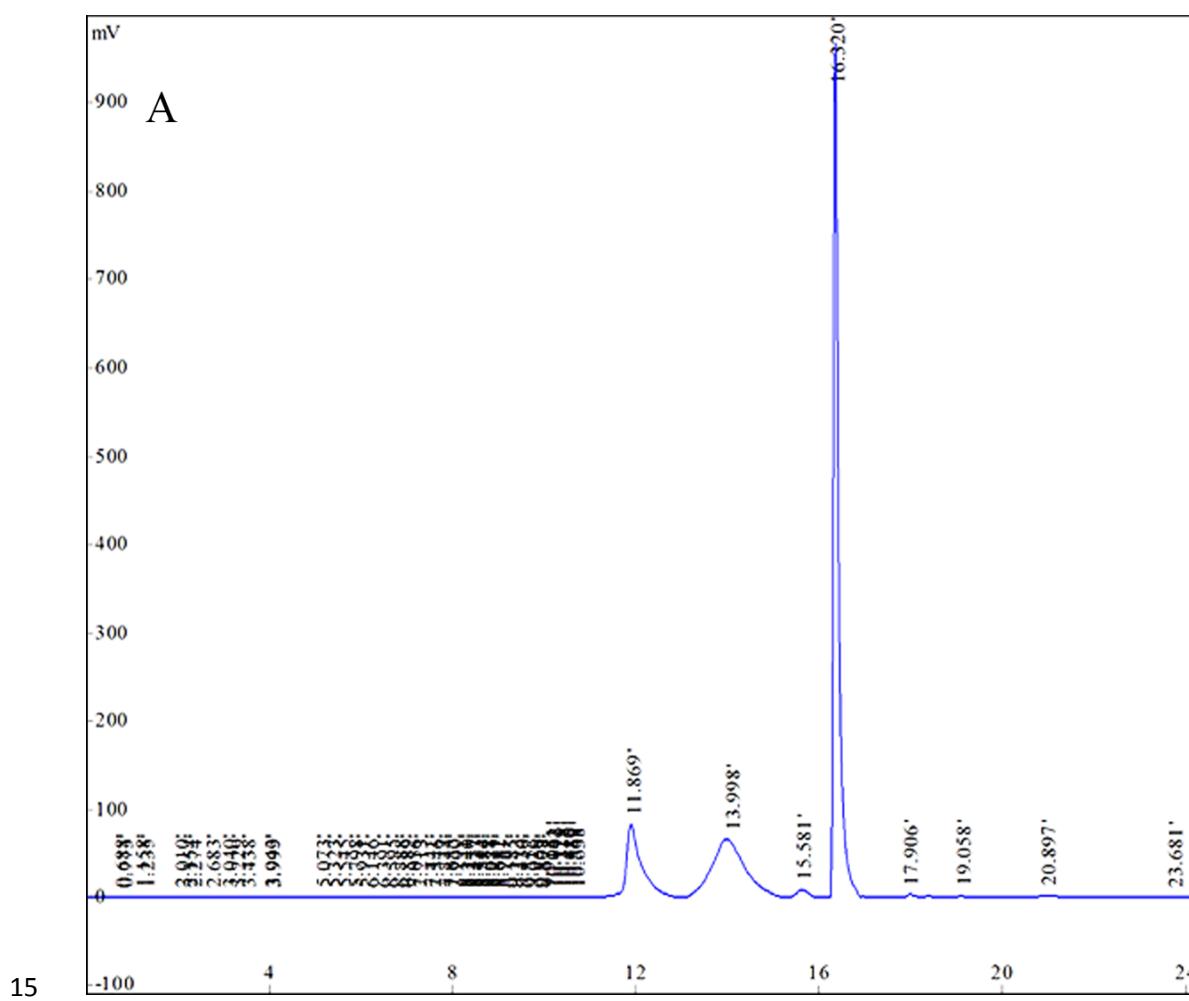
⁷ ² School of Food Science and Technology, Dalian Polytechnic University, National
⁸ Engineering Research Center of Seafood, Dalian 116034, China

9 Corresponding author:

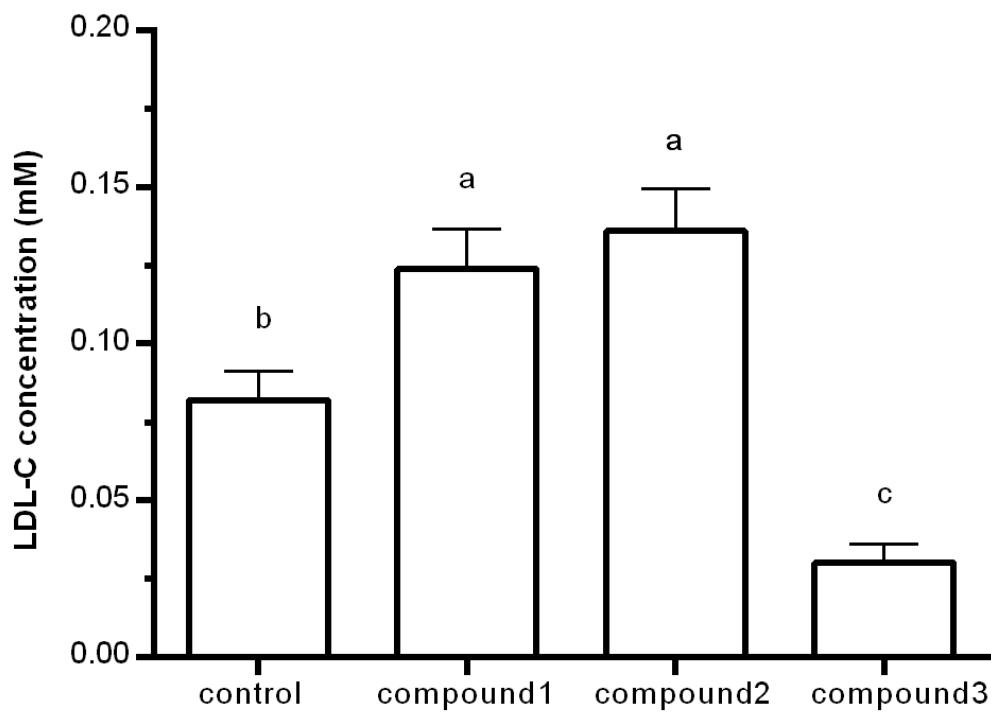
10 Beiwei Zhu, Email: zhubeiwei@163.com, Tel.: +86(411)86323262, Fax:
11 +86(411)86323262;

12 Yongkang Luo, Email: luoyongkang@263.net, Tel.: +86(10)62737385, Fax:
13 +86(10)62737385

14

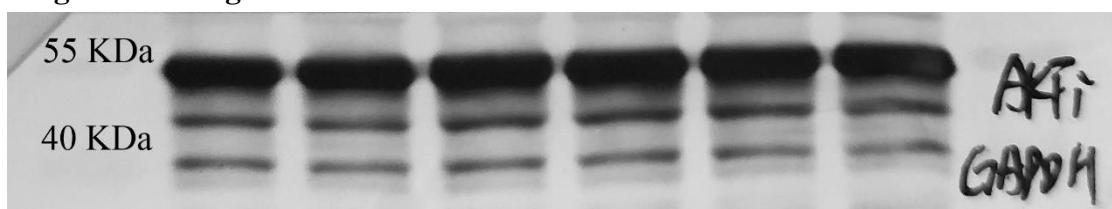


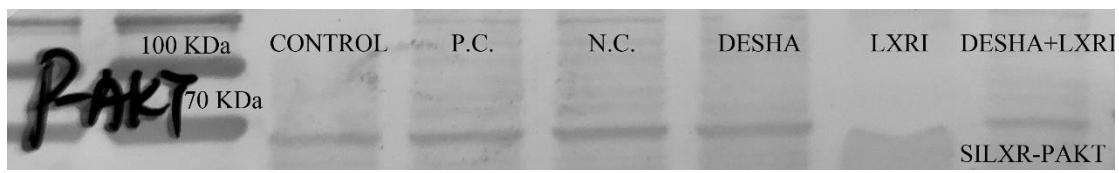
B



17 Figure S1. The purification, anti-cholesterol activity of the saponin from *Thelenota*
18 *ananas*. (A) The semi-preparative HPLC chromatogram of the purified saponins. (B)
19 The anti-cholesterol activity of the compounds separated by semi-preparative HPLC.
20

21 Original full-length blots





31