

Article

Ultrasound-Assisted Extraction of Anthocyanins from *Malus* ‘Royalty’ Fruits: Optimization, Separation, and Antitumor Activity

Yixin Liu ^{1,†}, Yuheng Zhao ^{1,†}, Yue Zhuo ¹, Yuwen Li ², Jiaxin Meng ¹, Yilin Wang ¹ and Houhua Li ^{1,*}

¹ College of Landscape Architecture and Art, Northwest A & F University, Yangling 712100, China; lyx13426325830@126.com (Y.L.); wn15553803032@163.com (Yuheng Zhao); zhuoyuegongzuo@163.com (Yue Zhuo); mengjiaxin26@163.com (J.M.); wangyilin97417@163.com (Y.W.)

² Shanghai United International School, Gubei Secondary Campus, Shanghai 201103, China; ellaliyuwen@icloud.com

* Correspondence: lihohua@nwafu.edu.cn

† Yixin Liu and Yuheng Zhao contributed equally to this work.

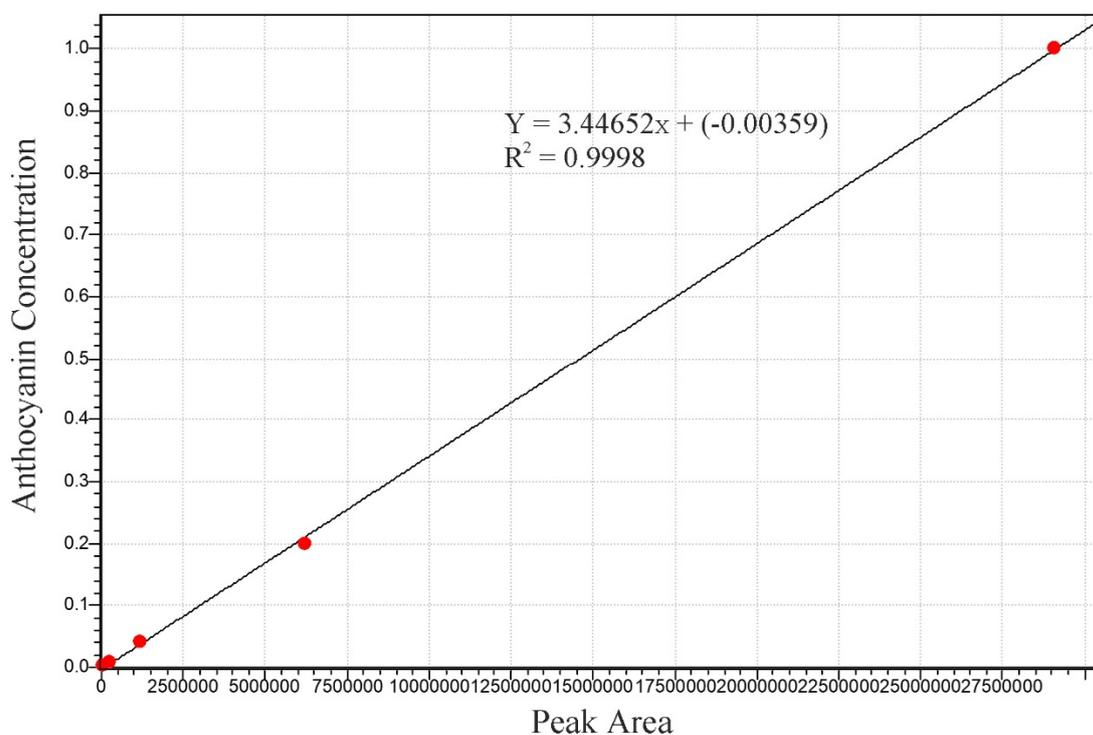


Figure S1. Calibration curve for standard Cyanidin-3-galactoside.

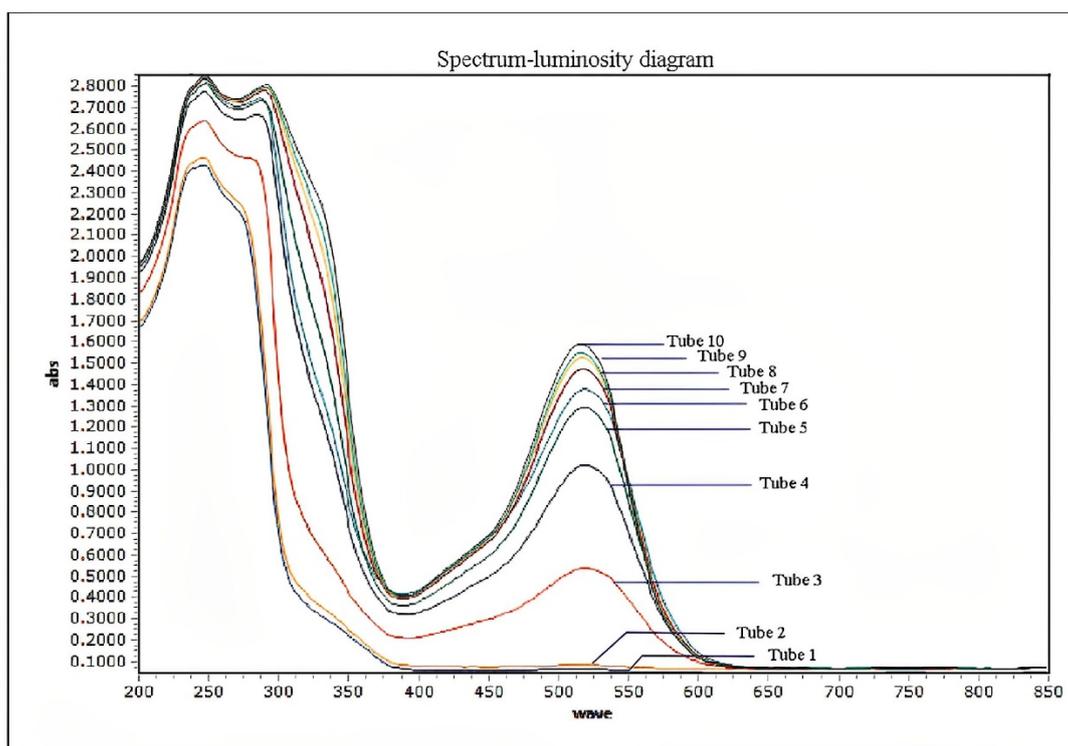


Figure S2. Photometric spectrogram of the eluent during the dynamic elution of anthocyanins.

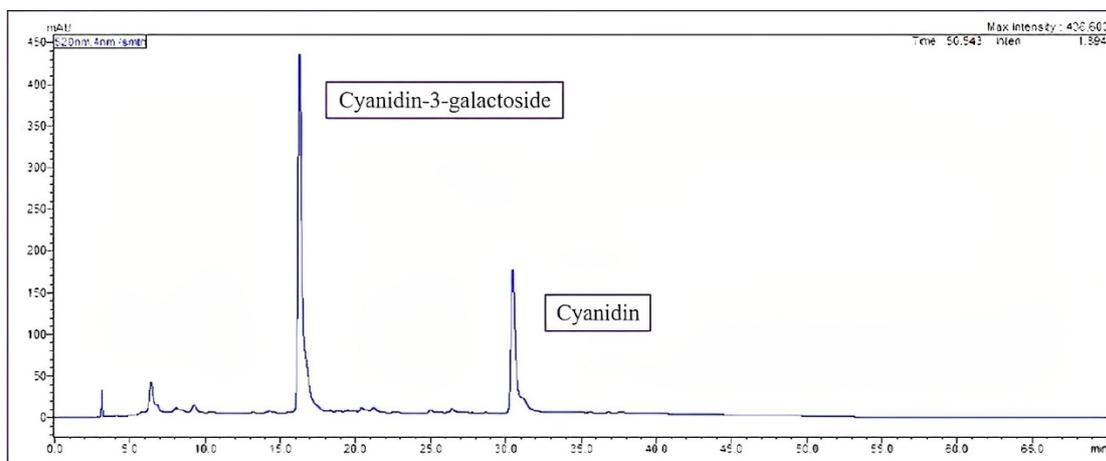


Figure S3. HPLC-DAD chromatogram at 525 nm of the purified anthocyanin.