

# Effect of Roasting and Brewing on the Antioxidant and Antiproliferative Activities of Tartary Buckwheat

Ji-yeon Ryu <sup>1,†</sup>, Yoonseong Choi <sup>2,†</sup>, Kun-Hwa Hong <sup>3</sup>, Yong Suk Chung <sup>4</sup> and Somi Kim Cho <sup>1,5\*</sup>

<sup>1</sup> School of Biomaterials Sciences and Technology, College of Applied Life Sciences, SARI, Jeju National University, Jeju 63243, Korea; rjo211@naver.com

<sup>2</sup> Lucy Cavendish College, University of Cambridge, Cambridge CB3 0BU, UK; yc472@cam.ac.uk

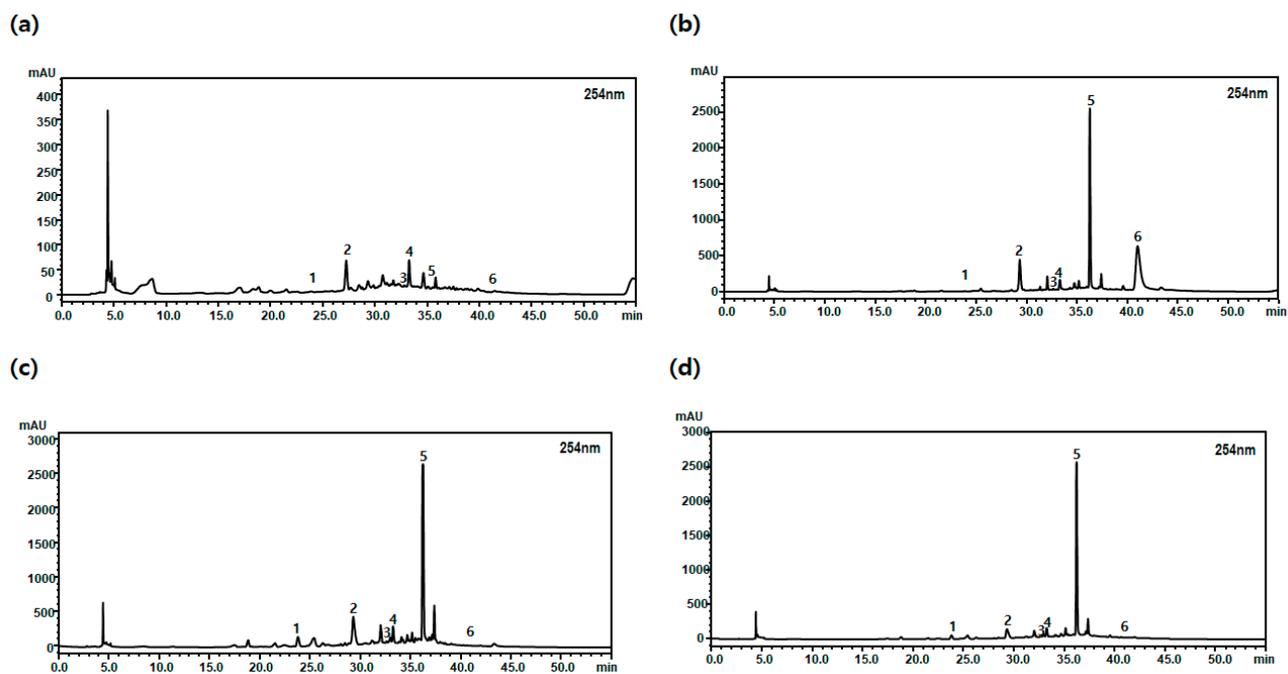
<sup>3</sup> With O co., Jeju 63309, Korea; witho62@naver.com

<sup>4</sup> Department of Plant Resources and Environment, Jeju National University, Jeju 63243, Korea; yschung@jejunu.ac.kr

<sup>5</sup> Interdisciplinary Graduate Program in Advanced Convergence Technology and Science, Jeju National University, Jeju 63243, Korea

\* Correspondence: phd.kim.somi@gmail.com; Tel.: +82-64-754-3348

† These authors contributed equally to this work



**Supplementary Fig. S1.** HPLC chromatograms of TB teas. (a) NRTB-RTLT, (b) NRTB-HTST, (c) RTB-RTLT, and (d) RTB-HTST. NRTB, non-roasted Tartary buckwheat; RTB, roasted Tartary buckwheat. RTLT, room temperature (25–30 °C) for 24 h; HTST, high temperature (85–90 °C) for 3 min.; 1, gallic acid; 2, protocatechuic acid; 3, catechin; 4, 4-hydroxybenzoic acid; 5, rutin; 6, quercetin.