

Supplementary Information

Metabolite Profiling of *Curcuma* Species Grown in Different Regions using ^1H NMR Spectroscopy and Multivariate Analysis

Youngae Jung^{†a}, Jueun Lee^{†b}, Ho Kyoung Kim^{cd}, Byeong Cheol Moon^c, Yunui Ji^c

Do Hyun Ryu ^{*b} , and Geum-Sook Hwang^{*ae}

^aIntegrated Metabolomics Research Group, Seoul Center, Korea Basic Science Institute, Seoul 136-713, Republic of Korea,

^bDepartment of Chemistry, Sungkyunkwan University, Suwon 440-746, Republic of Korea,

^cBasic Herbal Medicine Research Group, Herbal Medicine Research Division, Korea Institute of Oriental Medicine, Daejeon, 305-811, Republic of Korea

^dHerbal Material Management Team, Herbal Medicine Research Division, Korea Institute of Oriental Medicine, Daejeon, 305-811, Republic of Korea

^eGraduate School of Analytical Science and Technology, Chungnam National University, Daejeon 305-764, Republic of Korea

[†] These authors contributed equally to the work.

* Corresponding author:

Geum-Sook Hwang: tel: +82 2 920 0737, fax: +82 2 920 0709, e-mail: gshwang@kbsi.re.kr;

Do Hyun Ryu: tel: +82-31-290-5931, fax: +82-31-290-5976, e-mail: dhryu@skku.edu

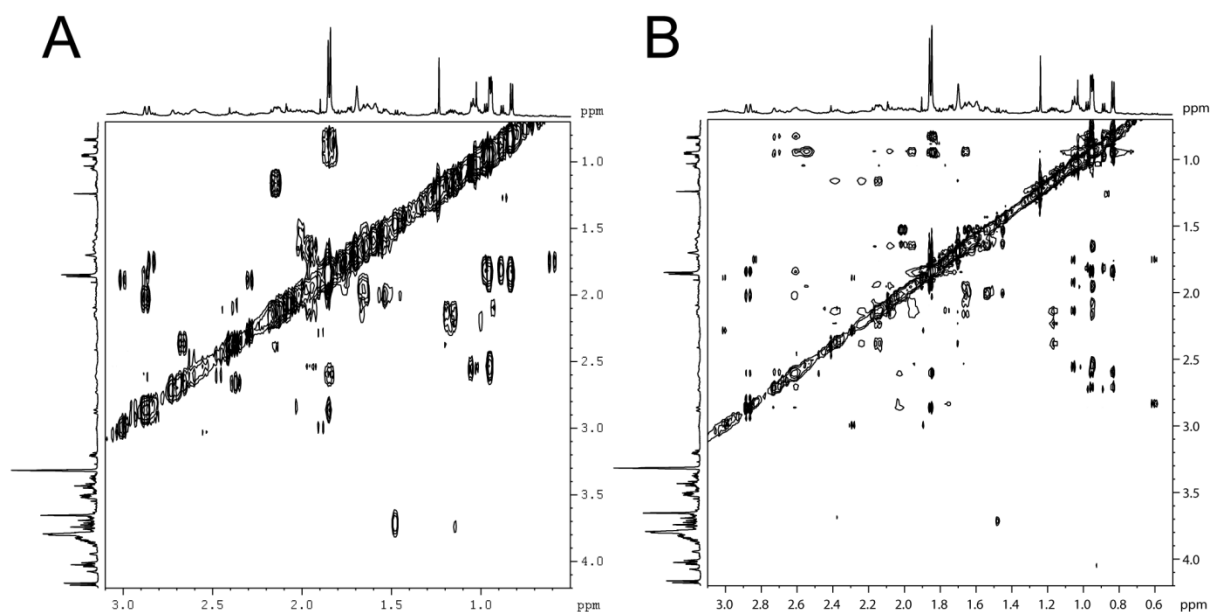


Figure S1. Expansion of representative COSY (A) and TOCSY (B) spectra of *Curcuma aromatica* extracts grown in Jeju-do, South Korea.

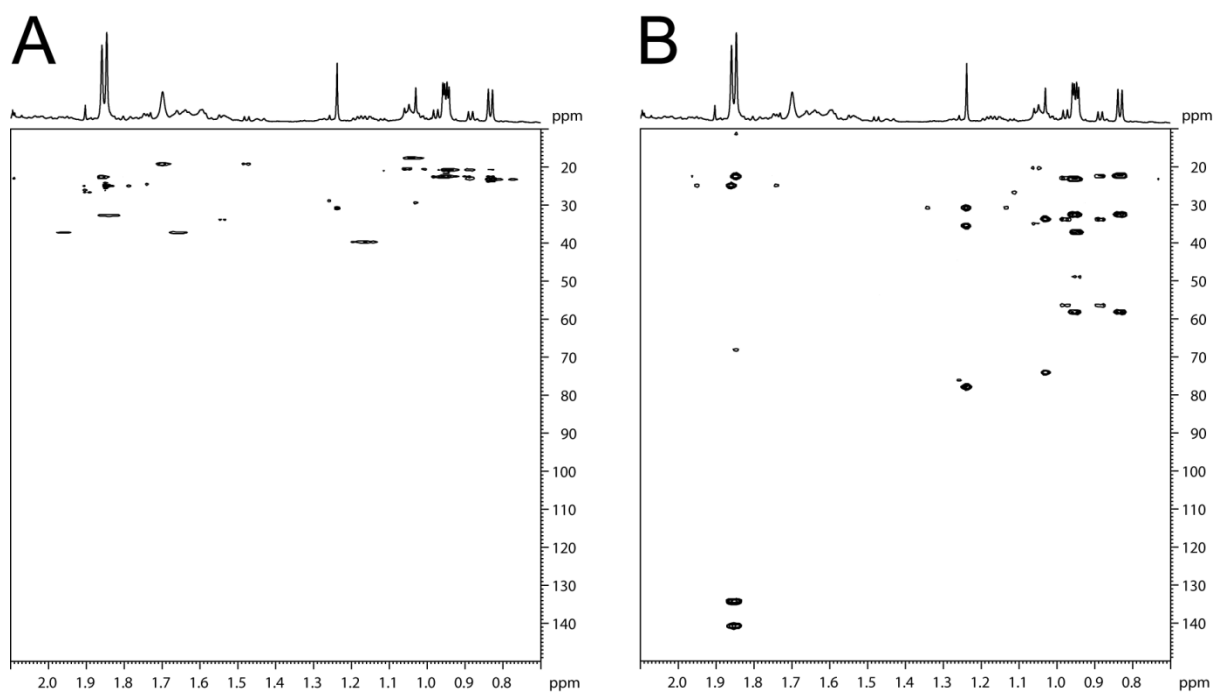


Figure S2. Expansion of representative HSQC (A) and HMBC (B) spectra of *Curcuma aromatica* extracts grown in Jeju-do, South Korea.