

Supplementary Materials for **An *Abies* extract containing nonvolatile polyphenols shows virucidal activity against SARS-CoV-2 that is enhanced in increased pH conditions**

Imane Maaroufi¹, Dulamjav Jamsransuren², Koh Hashida³, Sachiko Matsuda², Haruko Ogawa⁴ and Yohei Takeda^{2,4,*}

¹ Graduate School of Animal and Veterinary Sciences and Agriculture, Obihiro University of Agriculture and Veterinary Medicine, Obihiro 080-8555, Japan; imanemaaroufivet@gmail.com

² Research Center for Global Agromedicine, Obihiro University of Agriculture and Veterinary Medicine, Obihiro 080-8555, Japan; jduuya@obihiro.ac.jp (D.J.); chaka@obihiro.ac.jp (S.M.); ytakeda@obihiro.ac.jp (Y.T.)

³ Department of Forest Resources Chemistry, Forestry and Forest Products Research Institute, Tsukuba 305-8687, Japan; koh@ffpri.affrc.go.jp (K.H.)

⁴ Department of Veterinary Medicine, Obihiro University of Agriculture and Veterinary Medicine, Obihiro 080-8555, Japan; hogawa@obihiro.ac.jp (H.O.)

* Correspondence: ytakeda@obihiro.ac.jp; Tel.: +81-155-49-5896

Supplementary Figure

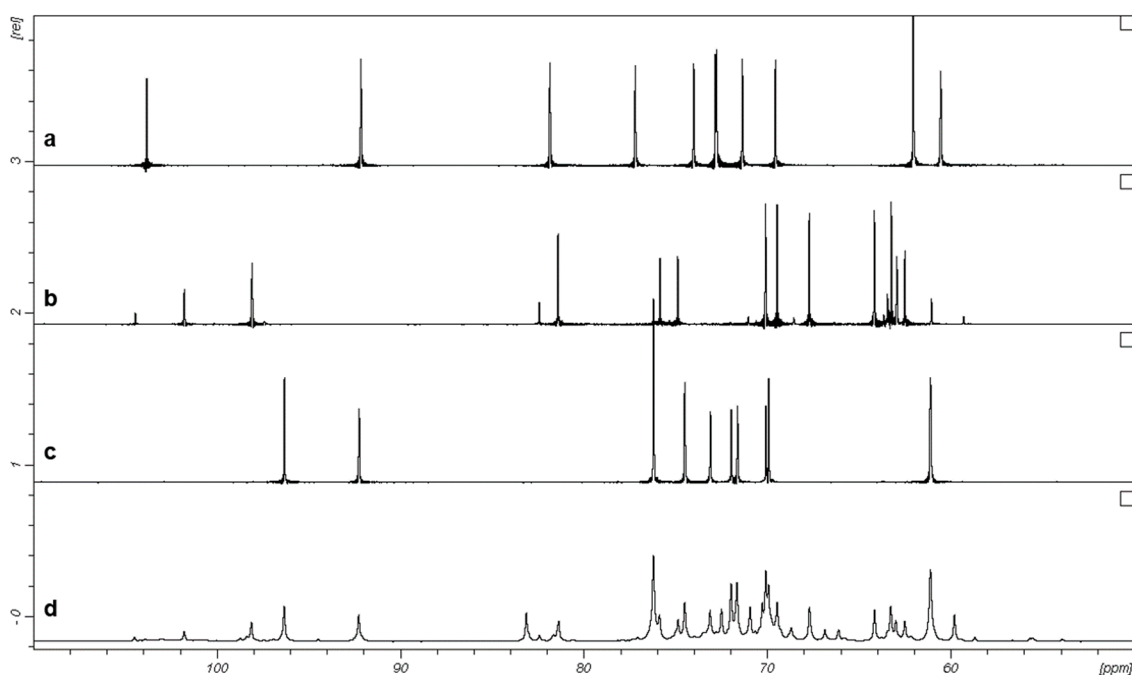


Figure S1. ¹³C–NMR spectra of sucrose (a), fructose (b), glucose (c), and H₂O eluates from ASE2 (d).