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In vitro and in vivo evaluation of the genotoxicity of Eriobotrya japonica leaf extract

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2 leaf extract

3 Myung-Hwan Jeong ^{a,1}, Nak-Won Seong ^{a,b,1}, Jong-Yun Lee ^a, Yong-Jae Kim ^c, Na-Rae Shin 4 b, Jong-Choon Kim b,* 5 6 ^a Health Care Institute, Korea Testing and Research Institute, Hwasun, Jeonnam 58141, Republic 7 8 of Korea ^b College of Veterinary Medicine BK21 Plus Project Team, Chonnam National University, 9 10 Gwangju 61186, Republic of Korea 11 ^c Korea INS Pharm Research Institute, Hwasun, Jeonnam 58143, Republic of Korea 12 13 Running Title: Genotoxicity study of Eriobotrya japonica extract 14 15 Abbreviations: CHL, Chinese hamster lung cell line; EJE, Eriobotrya japonica leaf extract; FBS, 16 fetal bovine serum; MFDS, Ministry of Food and Drug Safety; NCE, normochromatic 17 erythrocyte; OECD, Organisation for Economic Cooperation and Development; and PCE, 18 polychromatic erythrocyte. 19 20 21 * Corresponding author at: College of Veterinary Medicine BK21 Plus Project Team, Chonnam 22 National University, Gwangju 61186, Republic of Korea. Fax: +82 62 530 2809. 23 E-mail address: toxkim@jnu.ac.kr (J.-C. Kim). 24

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