Supporting information

Kinetic Study and Degradation Mechanism of Glycidyl Esters in Both Palm Oil and Chemical Models during High-Temperature Heating

Weiwei Cheng[†,‡,§,*], Guoqin Liu[‖], Zheng Guo[⊥], Feng Chen[†,‡,§], Ka-Wing Cheng[†,‡,§,*]

[†] *Institute for Advanced Study,* [‡] *Shenzhen Key Laboratory of Marine Microbiome Engineering, and* [§] *Institute for Innovative Development of Food Industry, Shenzhen University, Shenzhen 518060, China*

[‖] *School of Food Science and Engineering, South China University of Technology, Guangzhou 510641, China*

[⊥] *Department of Engineering, Faculty of Science and Technology, Aarhus University, 8000 Aarhus C, Denmark*

*Corresponding author at: No. 3688, Nanhai Road, Nanshan District, Shenzhen 518060, China.

E-mail address: kwcheng@szu.edu.cn (Ka-Wing Cheng)

cheng4677@126.com / cheng@szu.edu.cn (Weiwei Cheng)

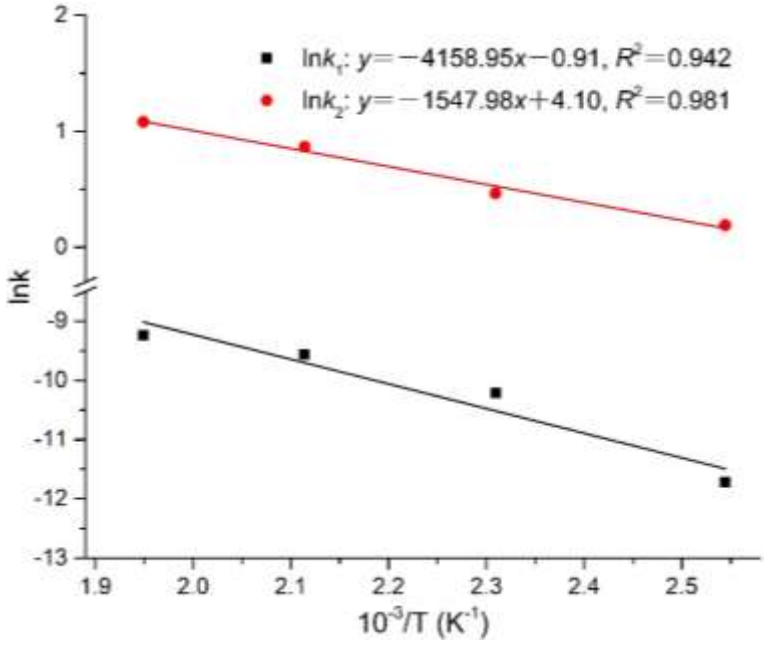

Figure S1. Arrhenius plot of GE formation in palm oil.

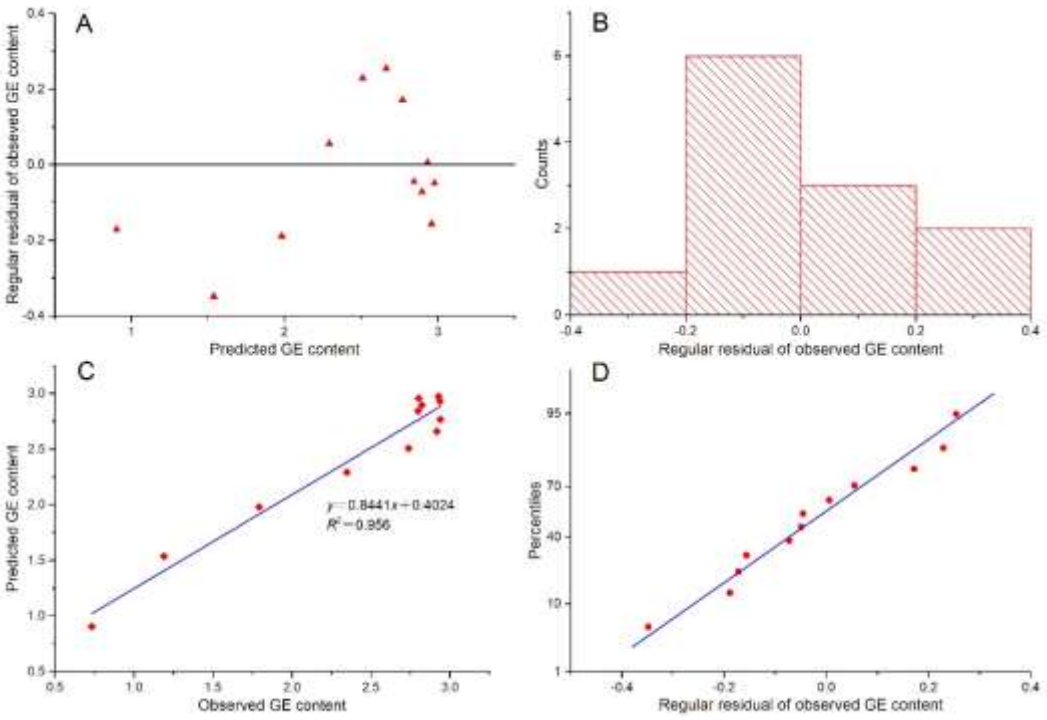

Figure S2. Assessment of pseudo-first-order reaction model of GE formation in palm oil at 200 °C, (A) residuals vs predicted response, (B) run numbers vs residuals, (C) predicted vs actual values, (D) normal plot of residuals.