

Plants

Supplementary Material

Antimicrobial Properties of Different Hop (*Humulus lupulus*) Genotypes

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Additional xanthohumol identity confirmation of compound was obtained using ¹H NMR and LC/MS spectroscopy. ¹H spectrum (300 MHz, (CD₃)₂SO, d/ppm, J/Hz) δ = 14.60 (1H, s, 2'-OH), 10.55 (1H, s, 4-OH), 10.02 (1H, s, 4'-OH), 7.74 (1H, d, J = 15.5 Hz, H_α C=O), 7.64 (1H, d, J = 15.6 Hz, H_β C=O), 7.55 (2H, d, J = 8.6 Hz, H-2, H-6), 6.82 (2H, d, J = 8.6 Hz, H-3, H-5), 6.06 (1H, s, H-5'), 5.11 (1H, t, J = 7.1 Hz, H-2''), 3.85 (3H, s, O-Me), 3.12 (2H, d, J = 7.0 Hz, H-1''), 1.68 (3H, s, H-4''), 1.59 (3H, s, H-5'').

Figure S1: Comparison of the experimental data and the model curve of $\ln(OD_{595}/OD_{595,0})$ of *Staphylococcus aureus* inoculated in **100 % MHB** medium for the **HAE Styrian Eagle** extract. In figure the growth curve for A) control sample, B) sample concentration of 3.69 µg/mL, C) sample concentration of 7.80 µg/mL, D) sample concentration of 15.60 µg/mL are presented.

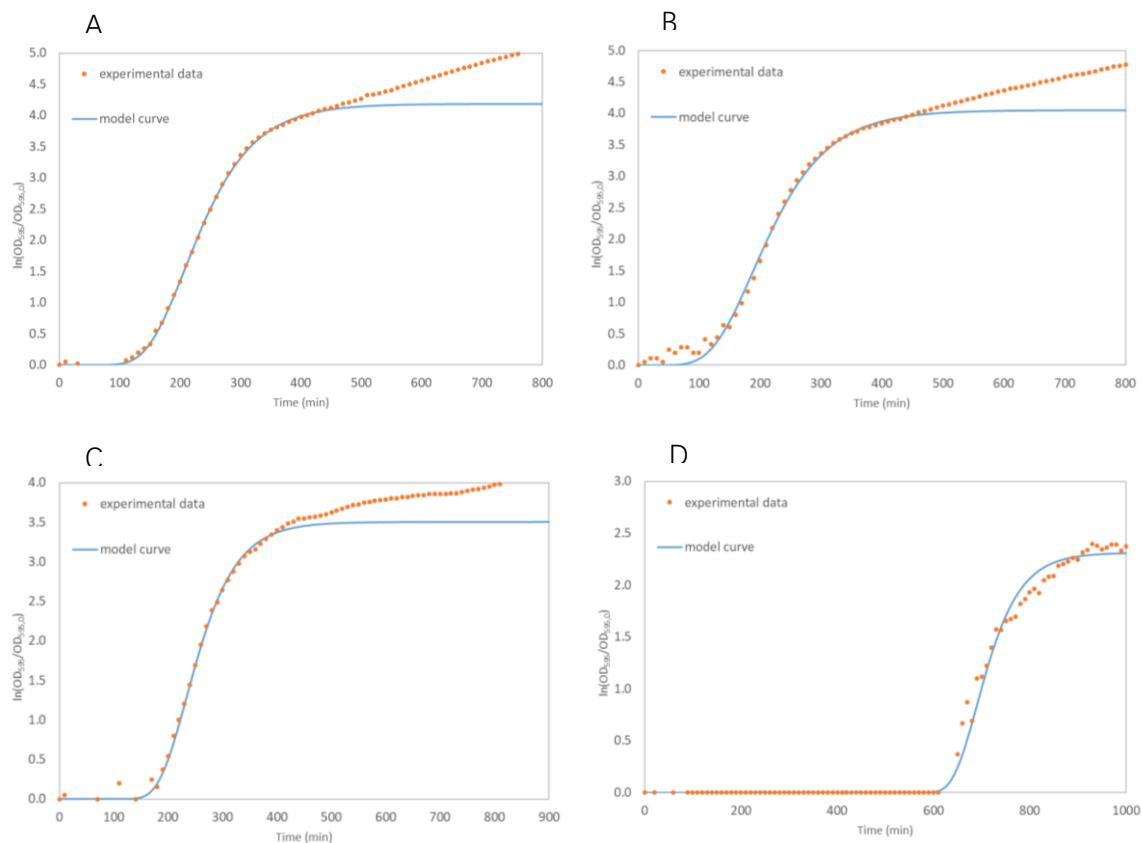


Figure S2: Comparison of the experimental data and the model curve of $\ln(OD_{595}/OD_{595,0})$ of *Staphylococcus aureus* inoculated in **100 % MHB medium** for the $\alpha\beta$ – AF extract. In figure the growth curve for A) control sample, B) sample concentration of 4.40 $\mu\text{g/mL}$, C) sample concentration of 6.58 $\mu\text{g/mL}$, D) sample concentration of 9.88 $\mu\text{g/mL}$, E) sample concentration of 14.80 $\mu\text{g/mL}$, F) sample concentration of 22.20 $\mu\text{g/mL}$ are presented.

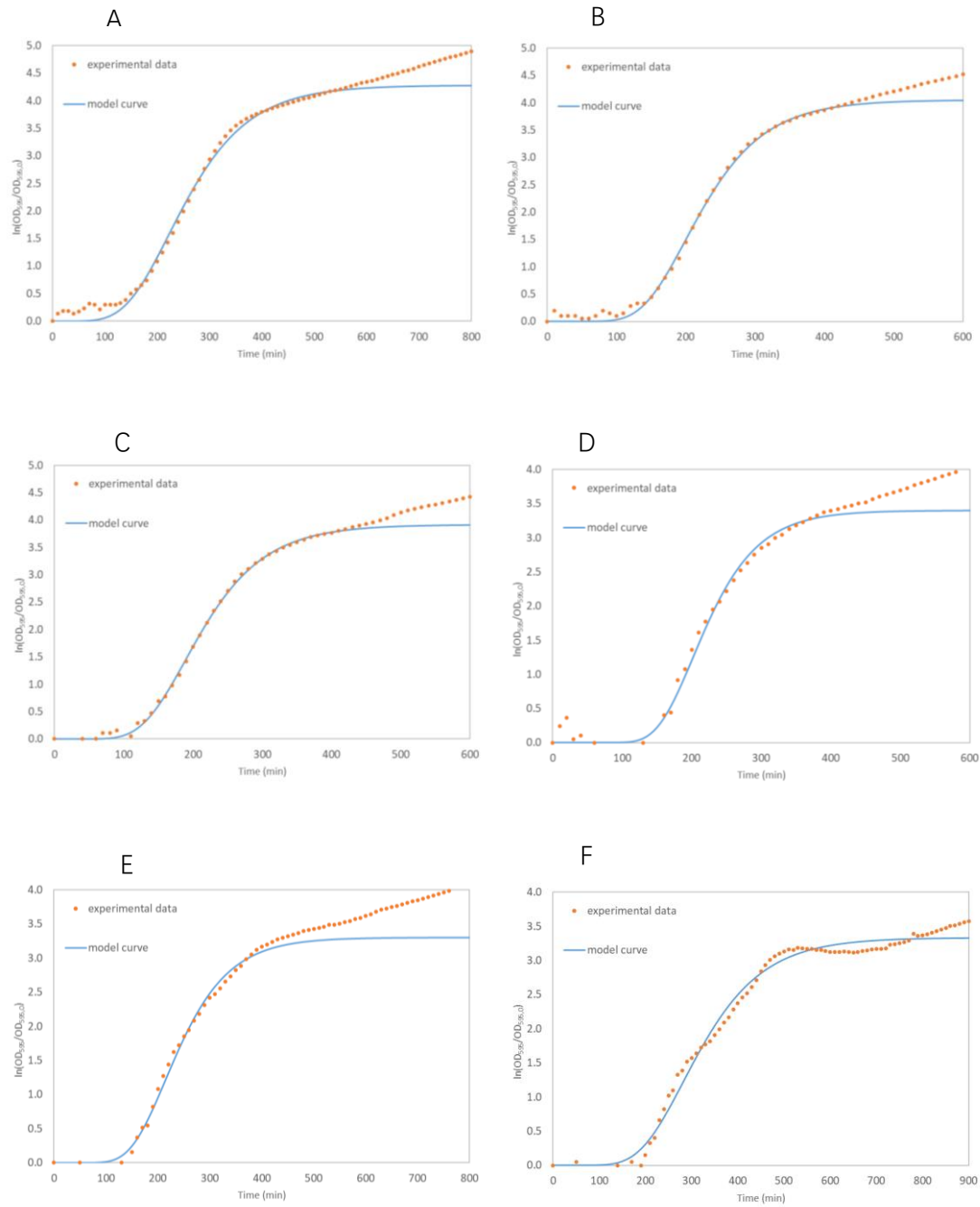


Figure S3: Comparison of the experimental data and the model curve of $\ln(OD_{595}/OD_{595,0})$ of *Staphylococcus aureus* inoculated in **100 % MHB medium for the β – AF extract**. In figure the growth curve for A) control sample, B) sample concentration of 1.76 $\mu\text{g/mL}$, C) sample concentration of 2.63 $\mu\text{g/mL}$, D) sample concentration of 3.95 $\mu\text{g/mL}$, E) sample concentration of 5.93 $\mu\text{g/mL}$ are presented.

