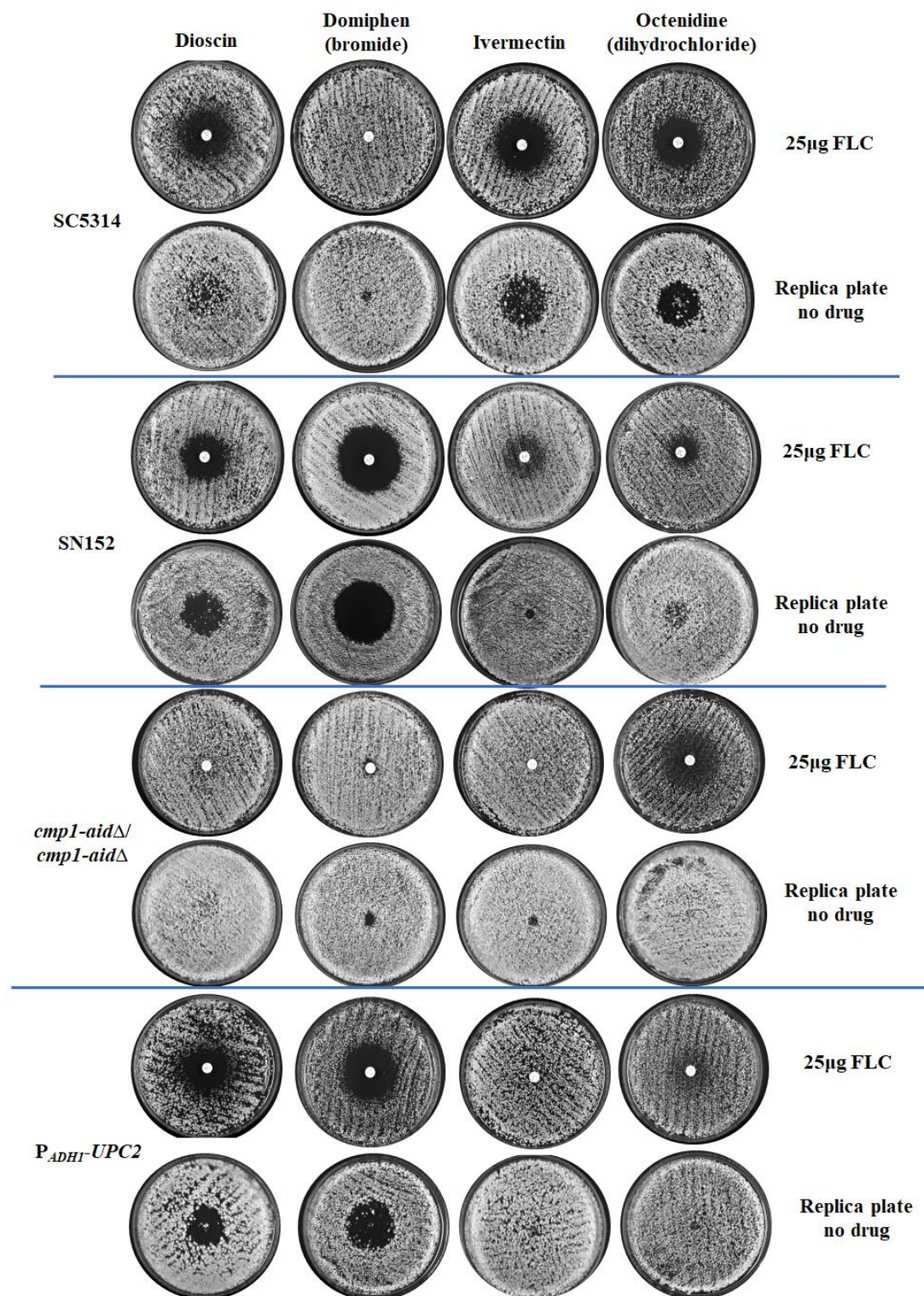
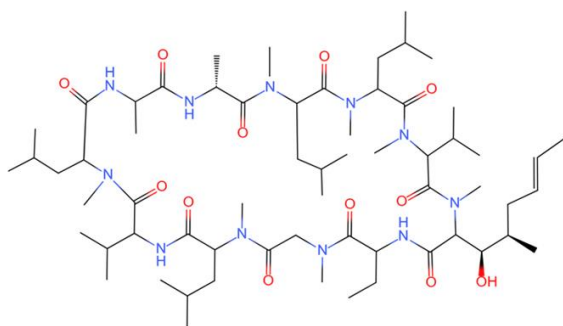




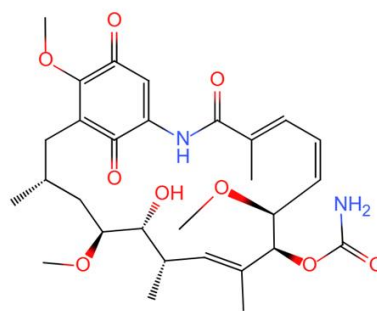
*aid*Δ. (B) FLC disk diffusion assays of *cmp1-aid*Δ/*cmp1-aid*Δ and *P<sub>ADH1</sub>-UPC2*.



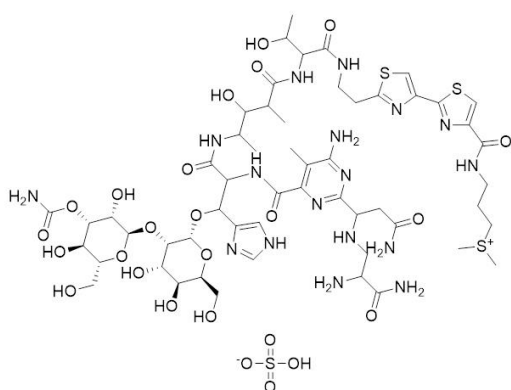
**Figure S3.** FLC disk diffusion assays of the remaining four compounds, including dioscin, domiphen bromide, ivermectin, and octenidine dihydrochloride.



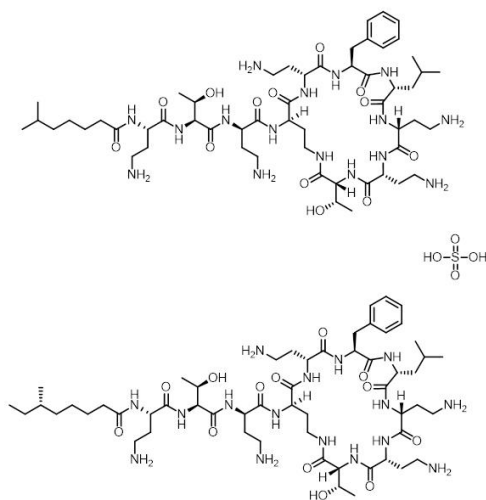
**Cyclosporine A**



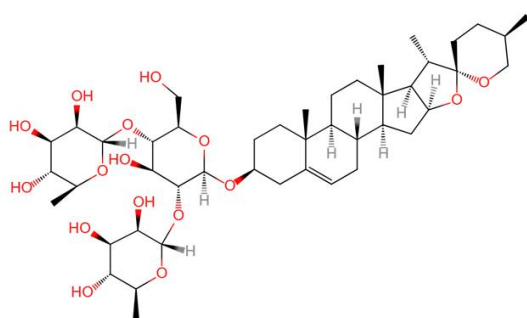
**Geldanamycin**



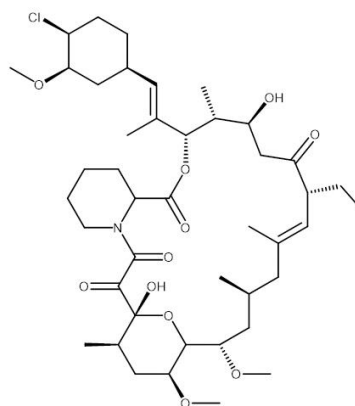
**Bleomycin (Sulfate)**



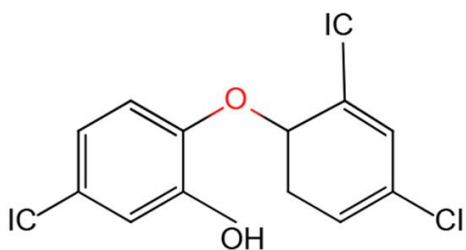
**Polymyxin B (Sulfate)**



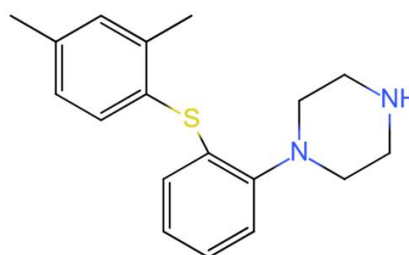
**Dioscin**



**Pimecrolimus**

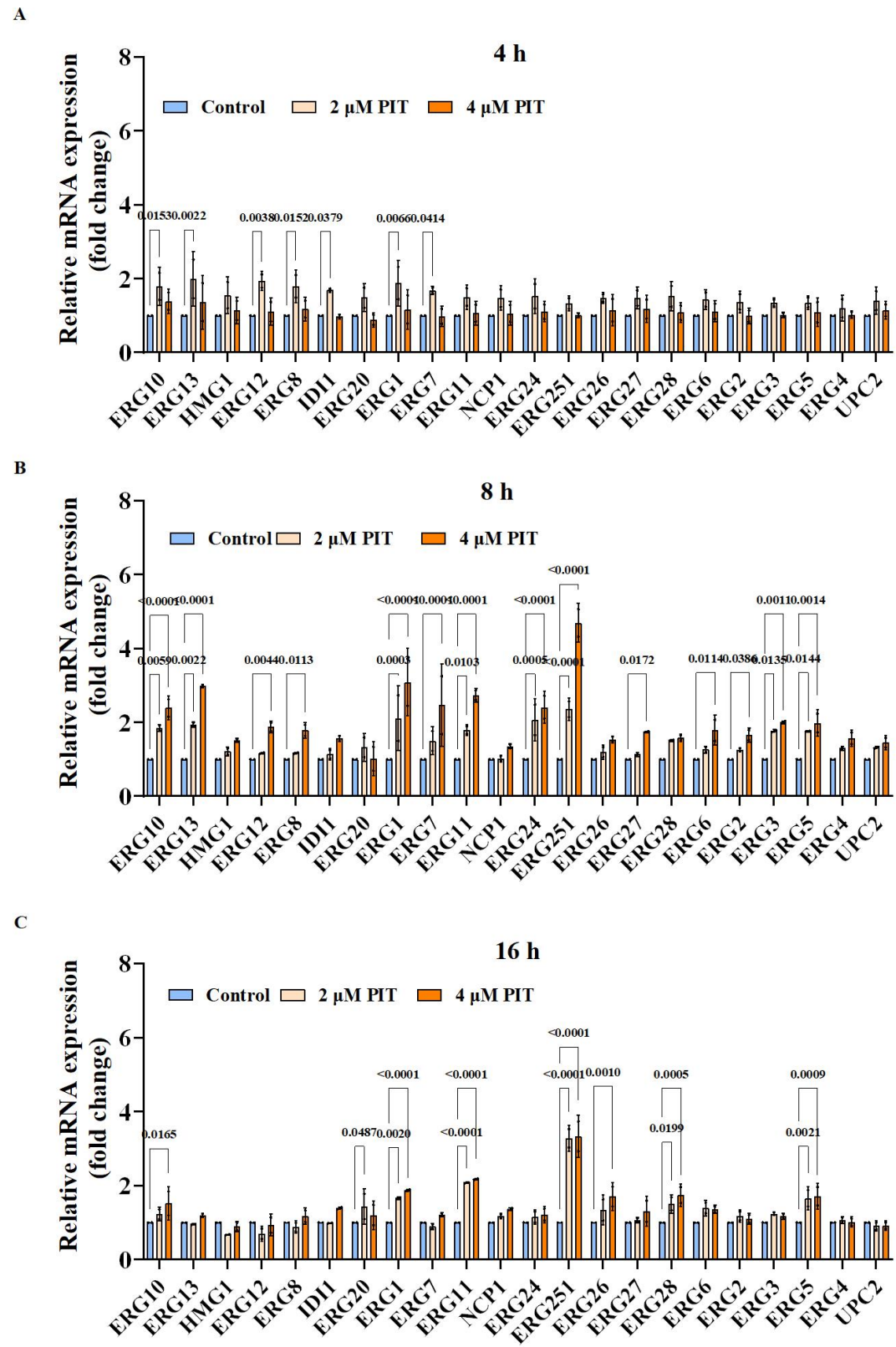


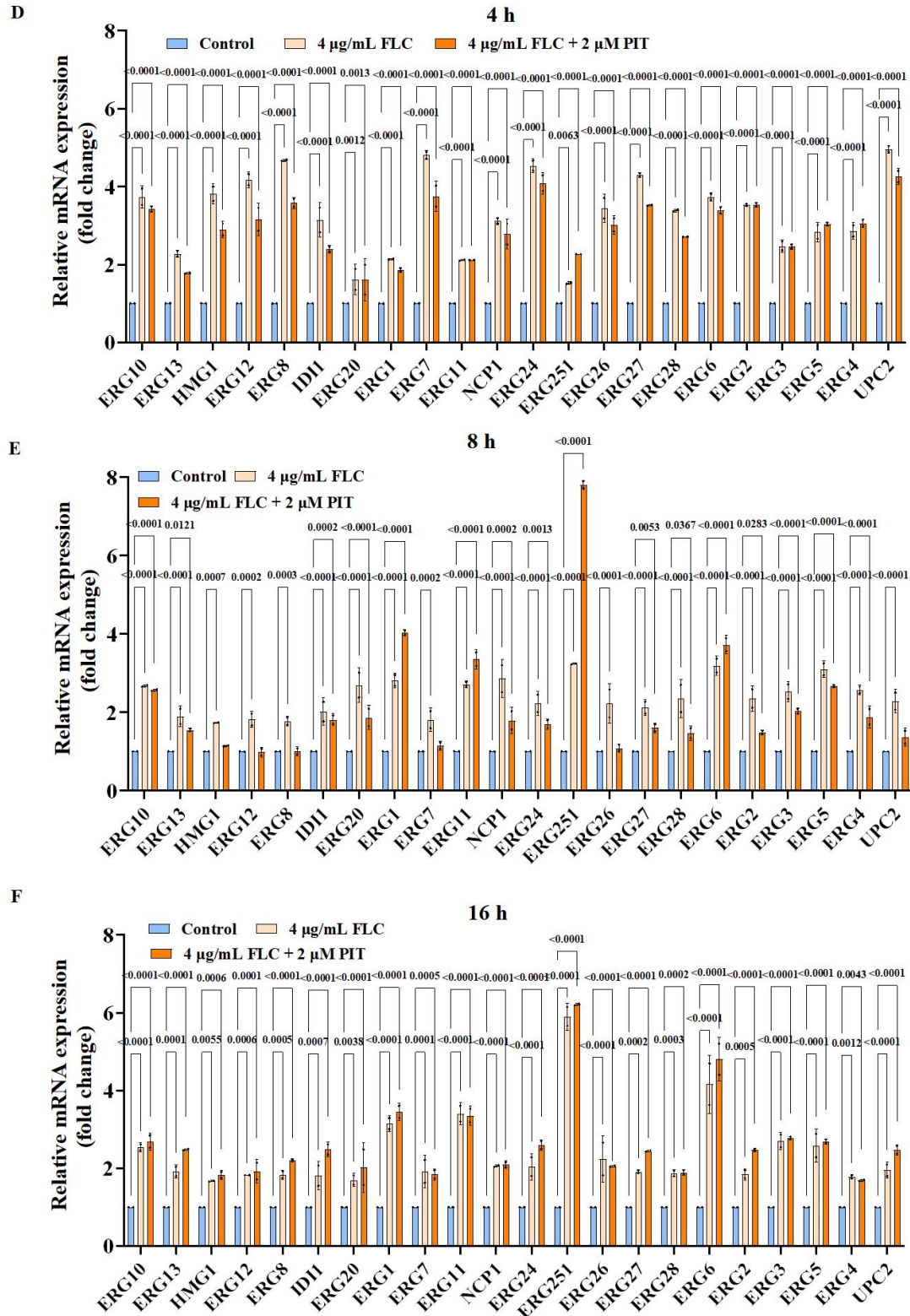
**Triclosan**



**Vortioxetine**

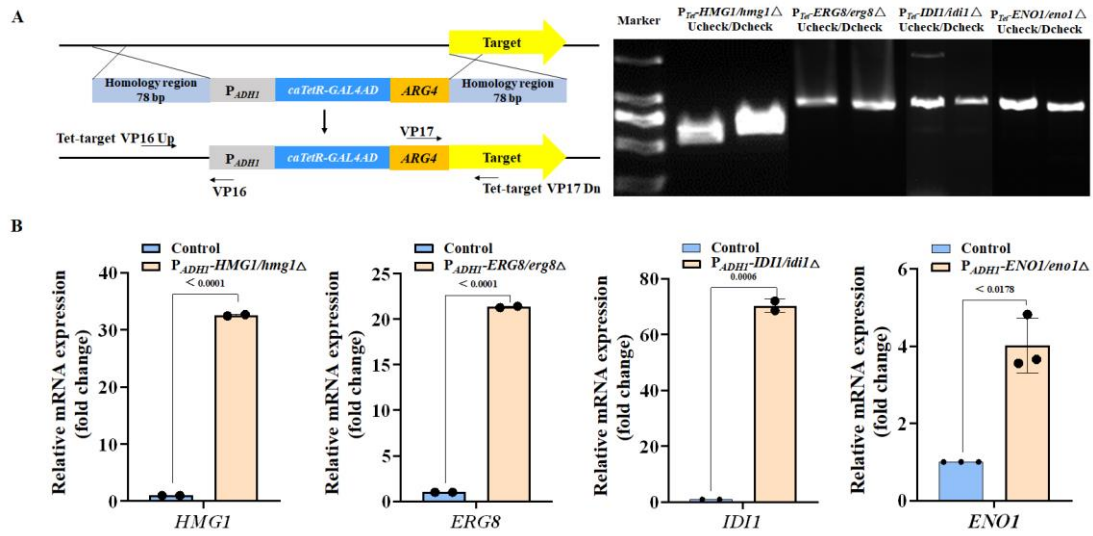
**Figure S4.** The chemical structures of the eight lead compounds.



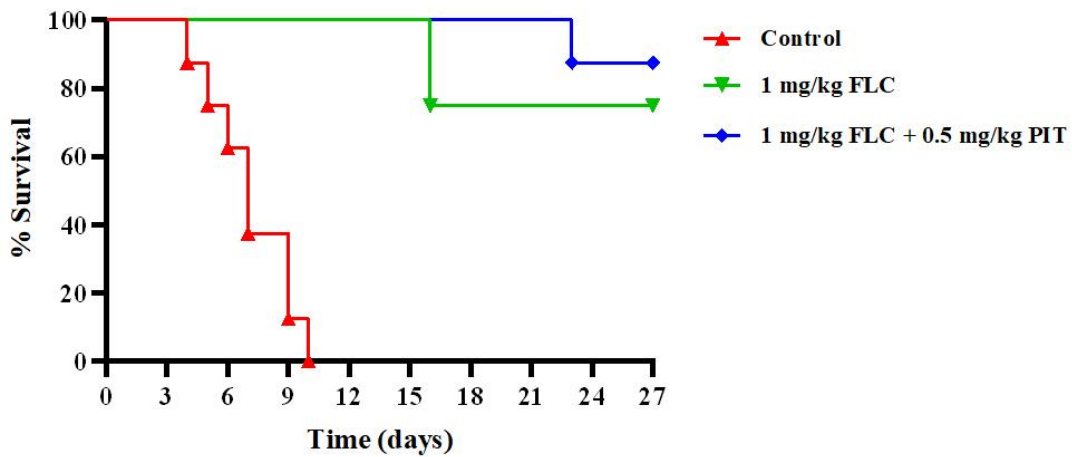


**Figure S5.** The relative expressions of the ergosterol biosynthesis pathway genes. The wild-type strains were incubated at 30 °C for 4 h (A), 8 h (B) or 16 h (C) in the presence of PIT (0, 2, 4  $\mu\text{M}$ ). The wild-type strains were incubated at 30 °C for 4 h (D), 8 h (E) or 16 h (F) in YPD medium, YPD medium plus 4  $\mu\text{g/mL}$  FLC, and YPD medium plus

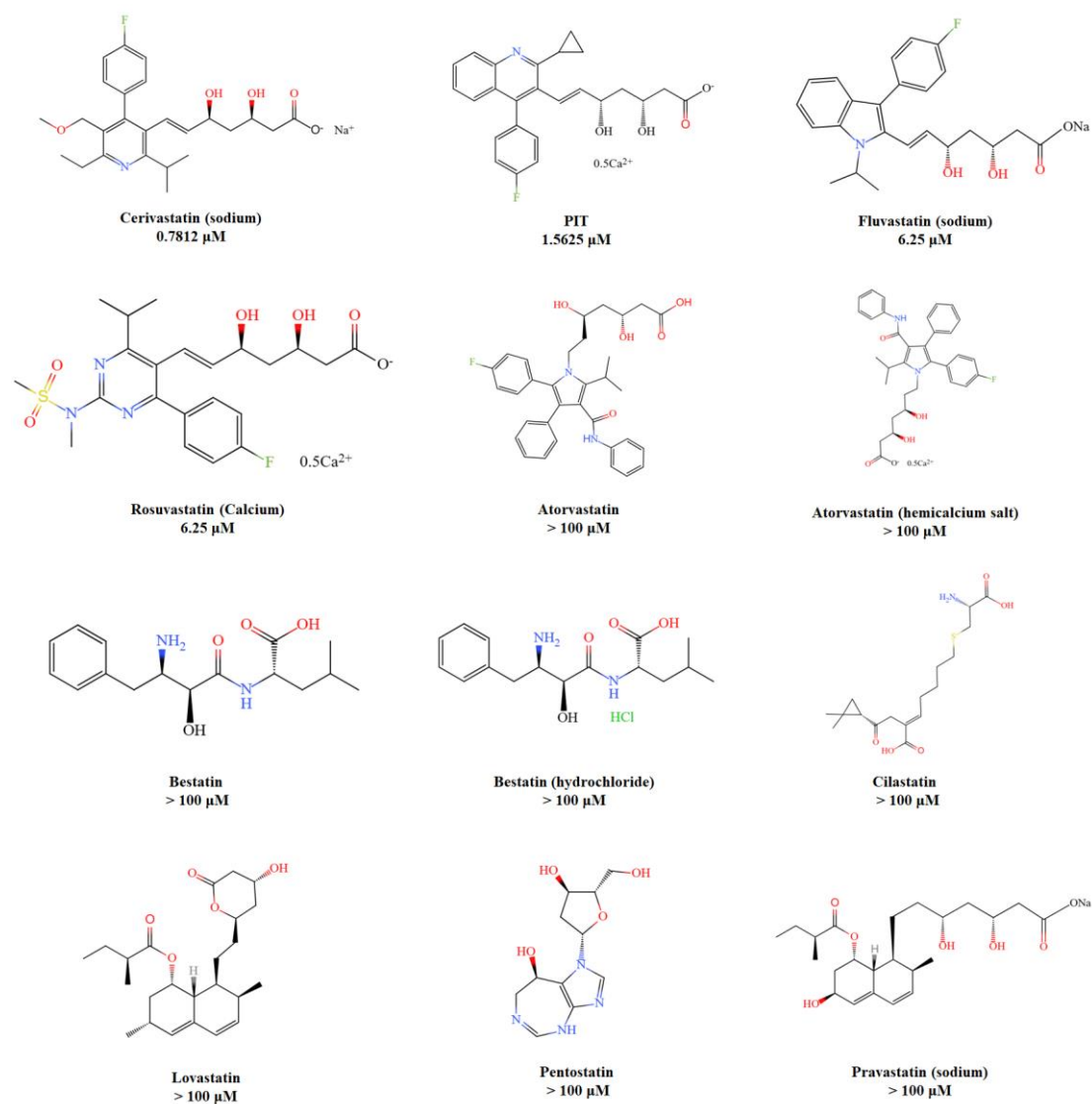
4  $\mu\text{g/mL}$  FLC and 2  $\mu\text{M}$  PIT. The mRNA levels of the *ACT1* gene were used as the control. Two-tailed unpaired *t*-tests and two-way ANOVA were used.



**Figure S6.** Strains of contained tetracycline-responsive elements were constructed. **(A)** The schematic diagram of tetracycline-responsive elements construction and PCR verification results of  $P_{Tet}$ -*HMG1/hmg1* $\Delta$ ,  $P_{Tet}$ -*ERG8/erg8* $\Delta$ ,  $P_{Tet}$ -*IDI1/idi1* $\Delta$ . **(B)** qRT-PCR confirmed the ectopic overexpression of the *HMG1*, *ERG8*, *IDI1* genes in  $P_{ADHI}$ -*HMG1/hmg1* $\Delta$ ,  $P_{ADHI}$ -*ERG8/erg8* $\Delta$ ,  $P_{ADHI}$ -*IDI1/idi1* $\Delta$  mutants. The mRNA levels of the *ACT1* gene were used as the control. Two-tailed unpaired *t*-tests were used.



**Figure S7.** Animal survival analysis of *C. albicans* SN152. C57BL/6 mice were intravenously infected with *C. albicans* SN152. FLC was administered at 1 mg/kg and PIT at 0.5 mg/kg intraperitoneally once daily. The treatment lasted 3 days and monitored the health and survival of treated (green and blue) and untreated (red) mice for 27 days. Significance was determined using the Log-rank (Mantel-Cox) test.



**Figure S8.** Structures and synergistic lethal concentrations of statins with FLC.