



Supporting Information

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Photoinactivation of catalase sensitizes *Candida albicans* and *Candida auris* to ROS-producing agents and immune cells

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Supplementary information for manuscript

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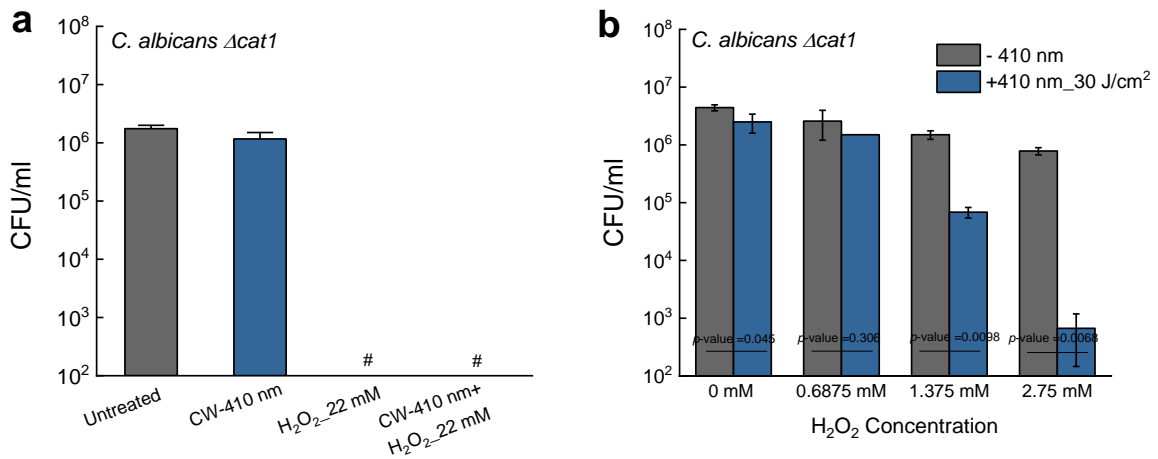
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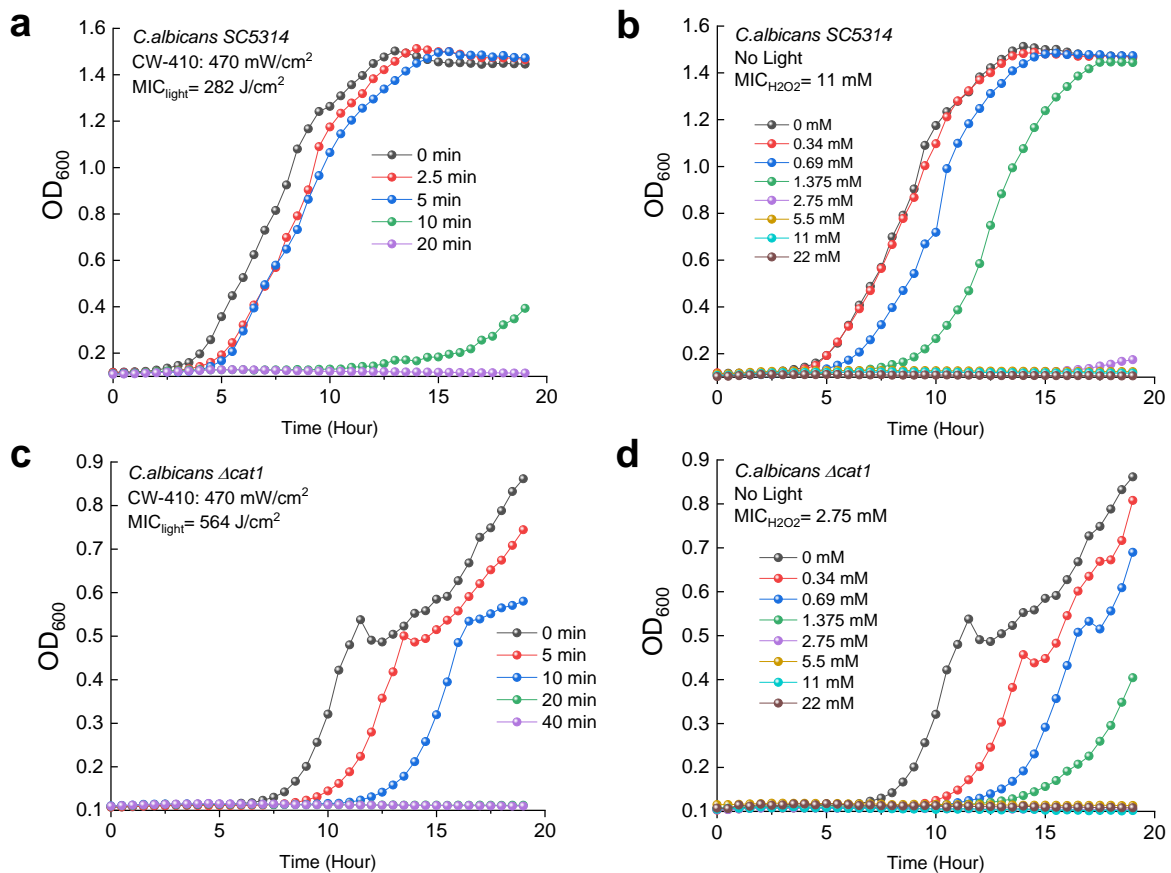
#These authors contributed equally: Pu-Ting Dong, Yuewei Zhan, Sebastian Jusuf, Jie Hui.

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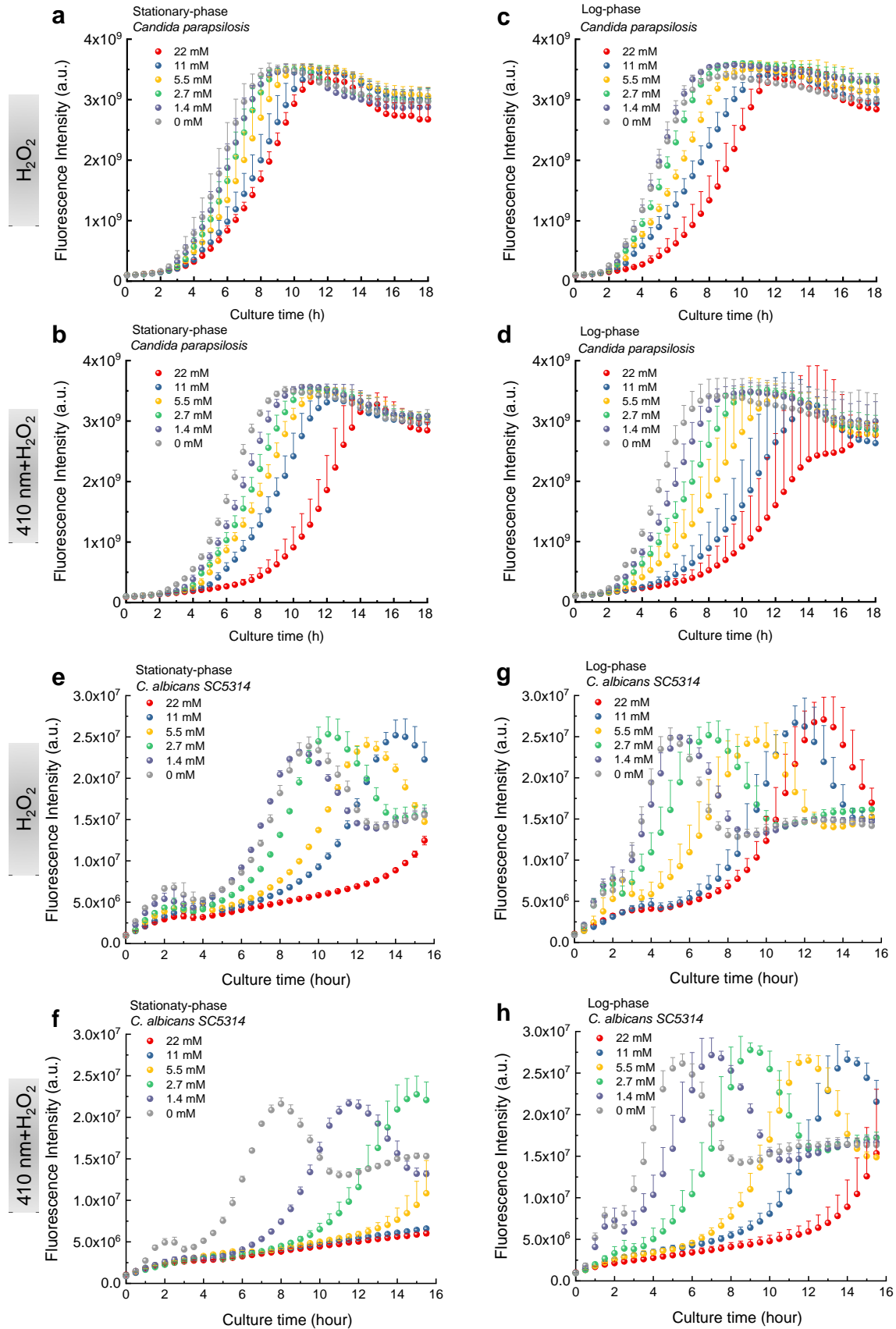
Supplementary Figures 1-13



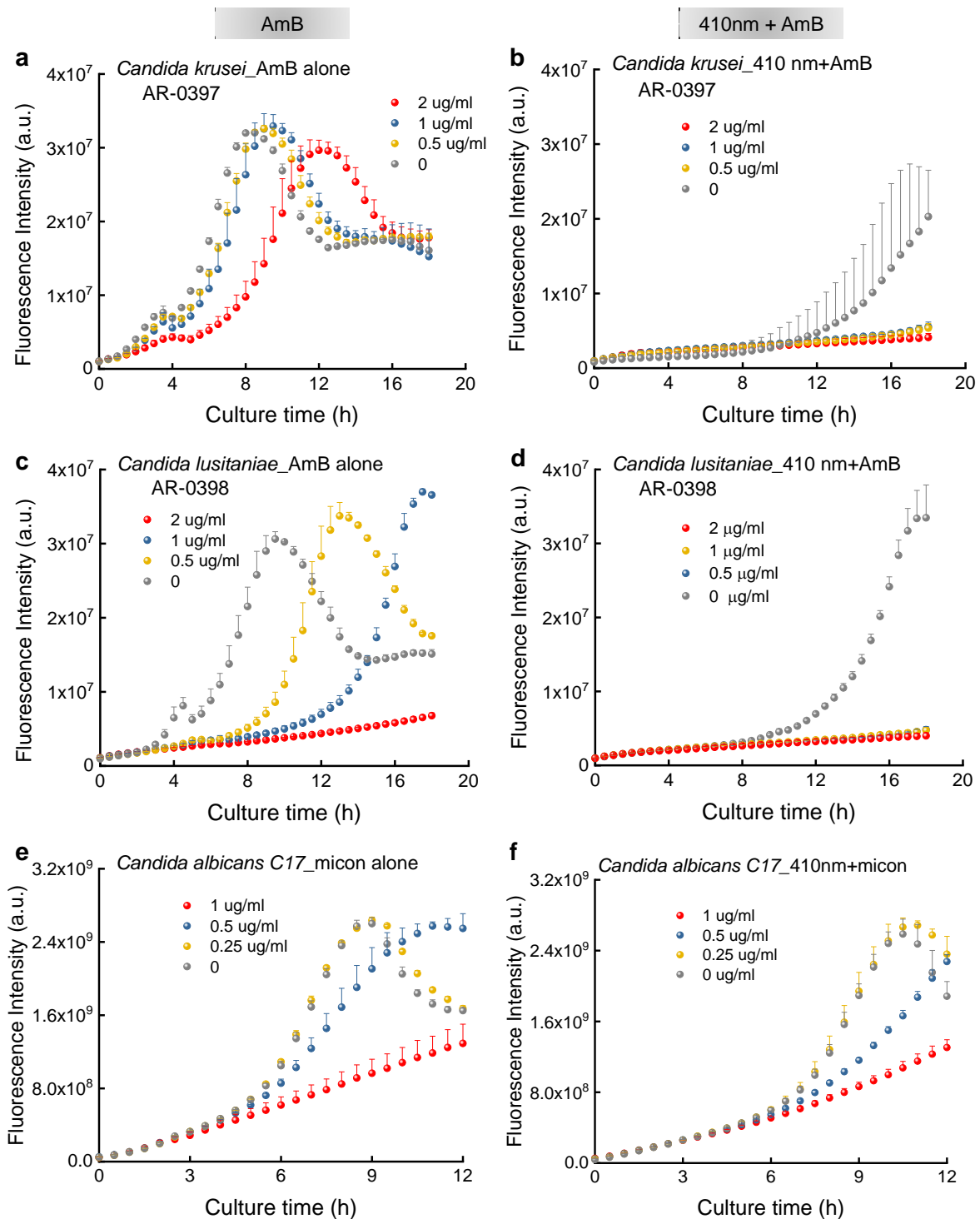
Supplementary Figure 1. CFU/ml of catalase-deficient *C. albicans* $\Delta cat1$ under different treatment schemes. Data: Mean+SD. N=3. Student unpaired *t*-test. *: $p < 0.05$, **: $p < 0.01$; *: $p < 0.001$.**



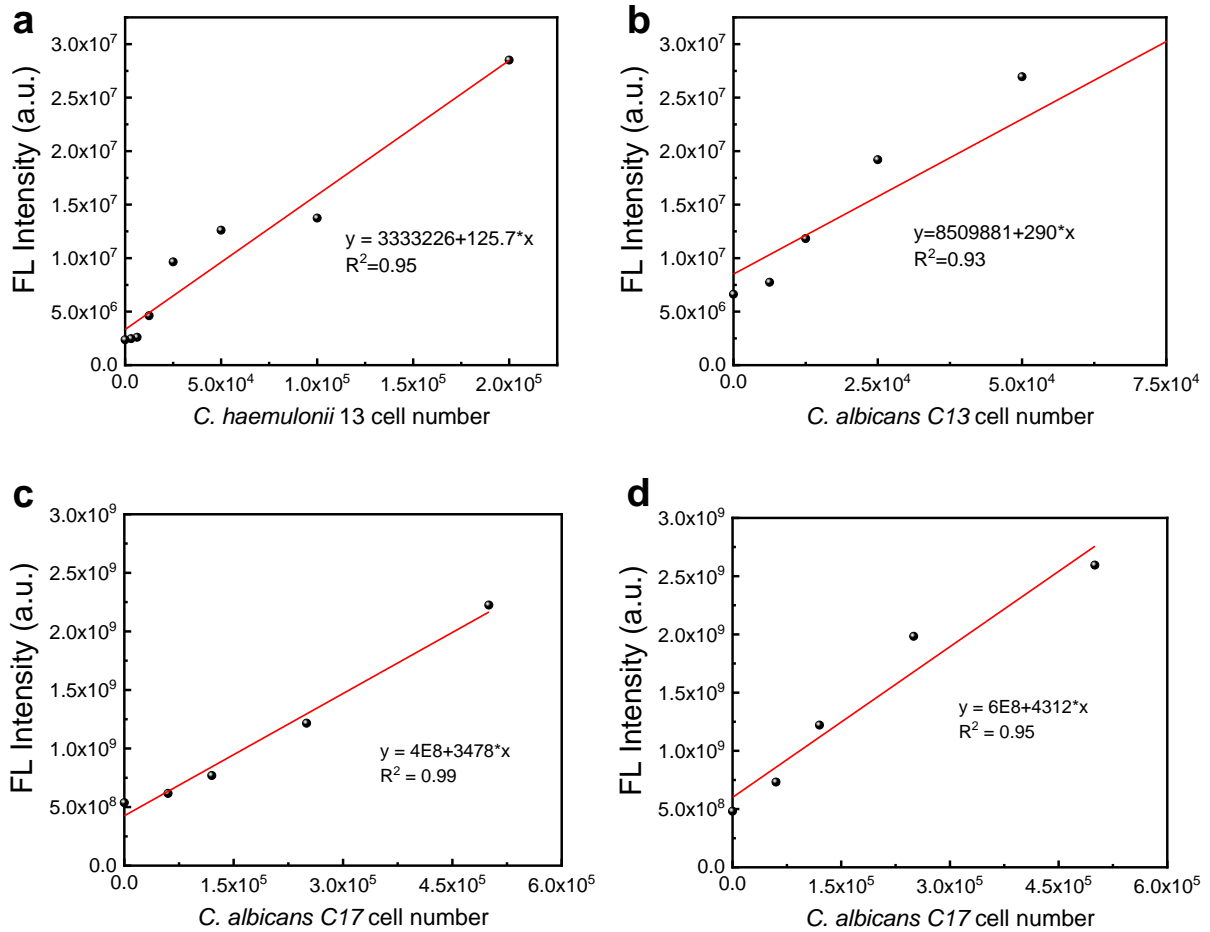
Supplementary Figure 2. Minimal inhibitory concentrations of 410 nm exposure and H_2O_2 against *C. albicans* SC5314 and catalase-deficient *C. albicans* $\Delta cat1$.



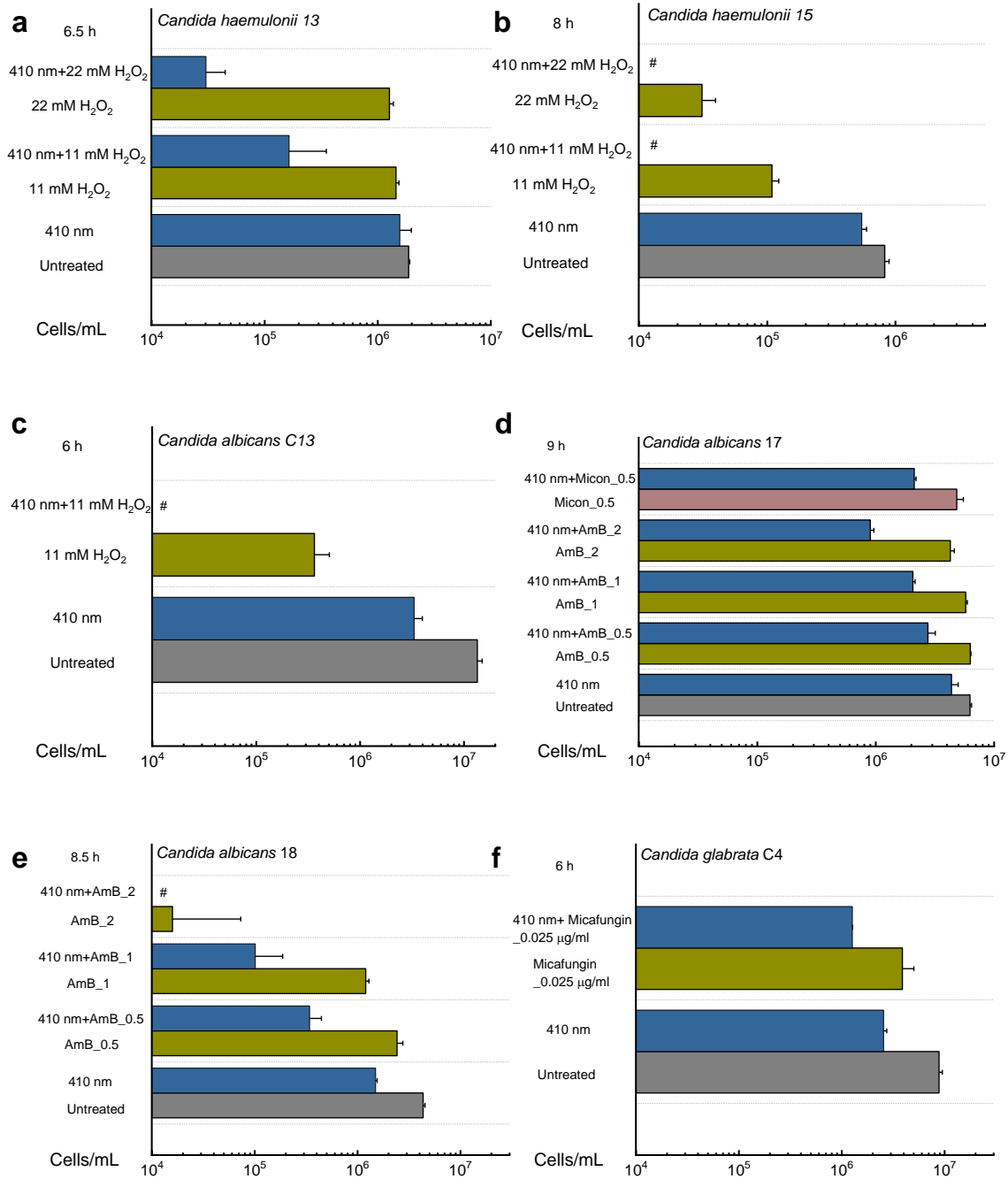
Supplementary Figure 3. Time-course PrestoBlue fluorescence intensity from various fungal species under the treatment of 410 nm and H₂O₂ of various concentrations.



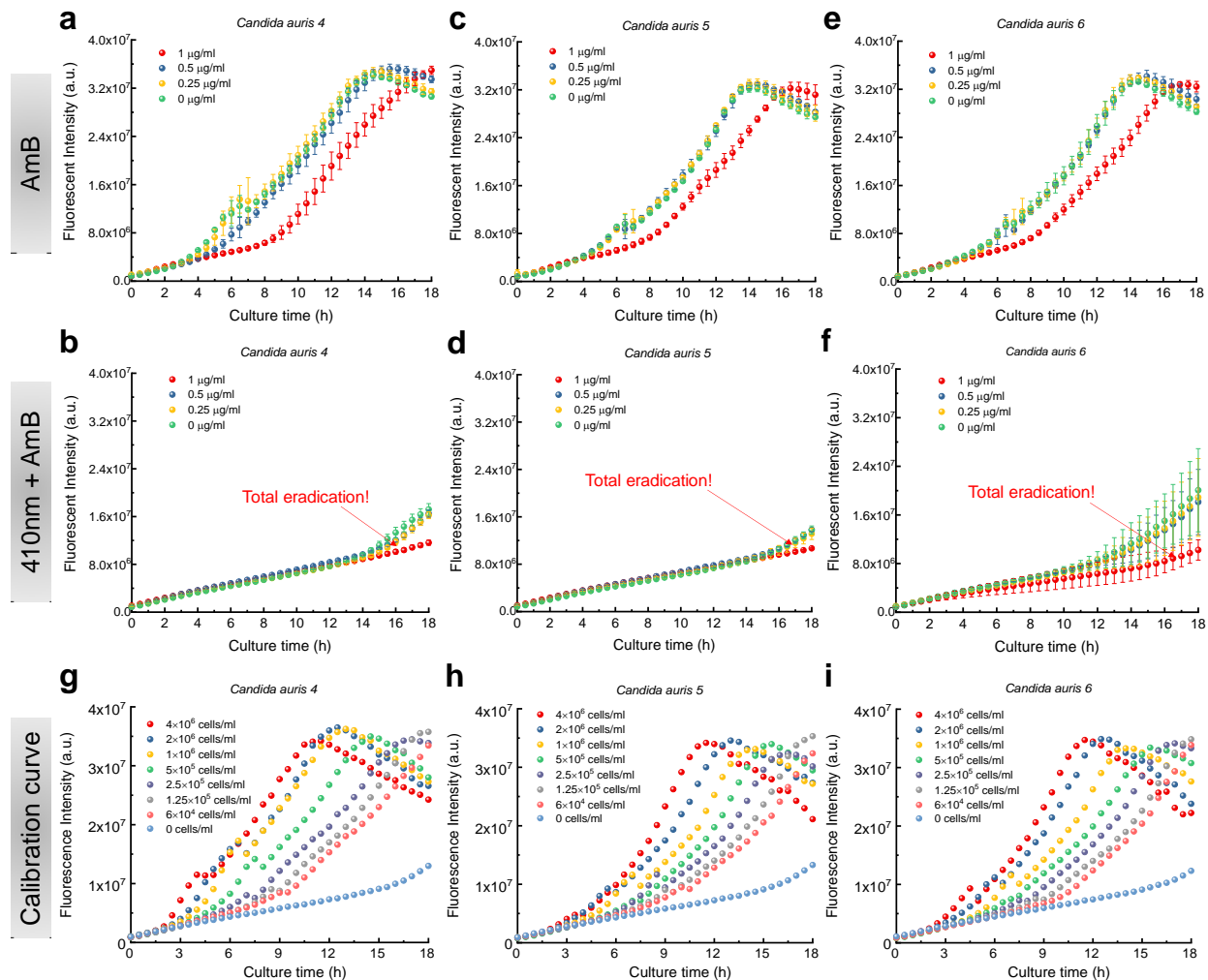
Supplementary Figure 4. Time-course PrestoBlue fluorescence intensity from various fungal species under the treatment of 410 nm and antifungal drugs. Abbreviations: AmB (amphotericin B), micon (miconazole).



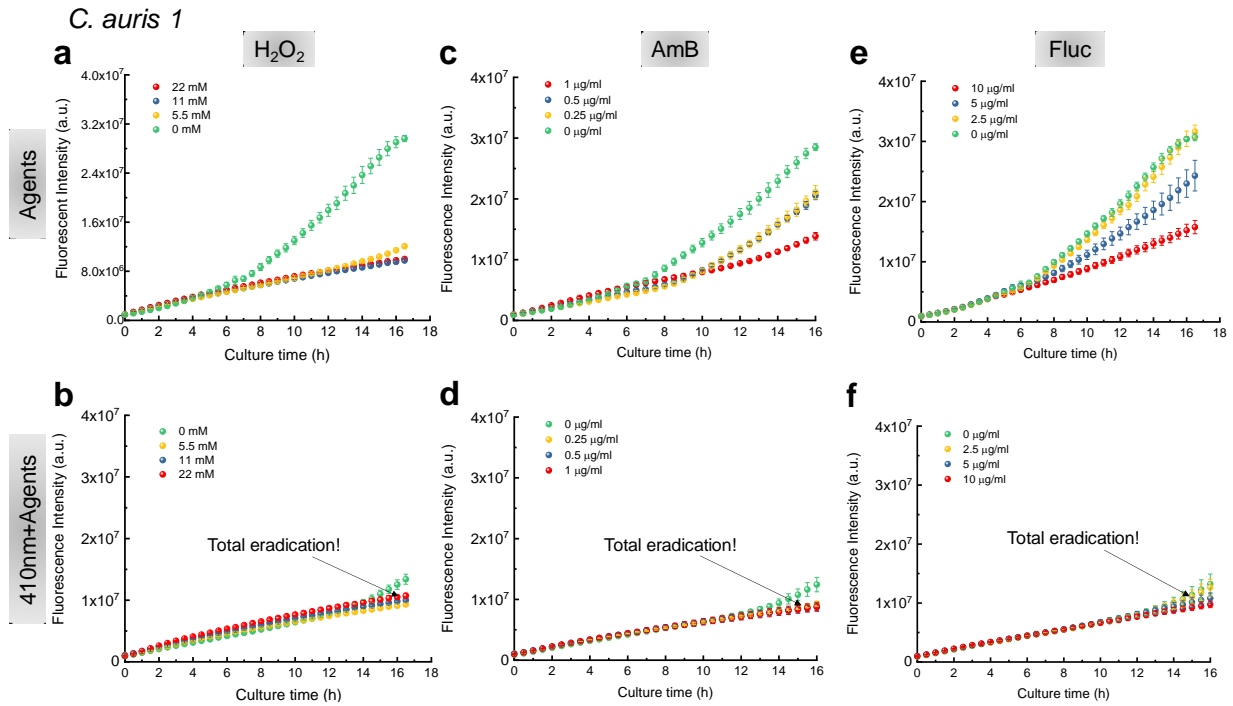
Supplementary Figure 5. Calibration curves of *Candida* spp. CFU/ml versus PrestoBlue fluorescence intensity.



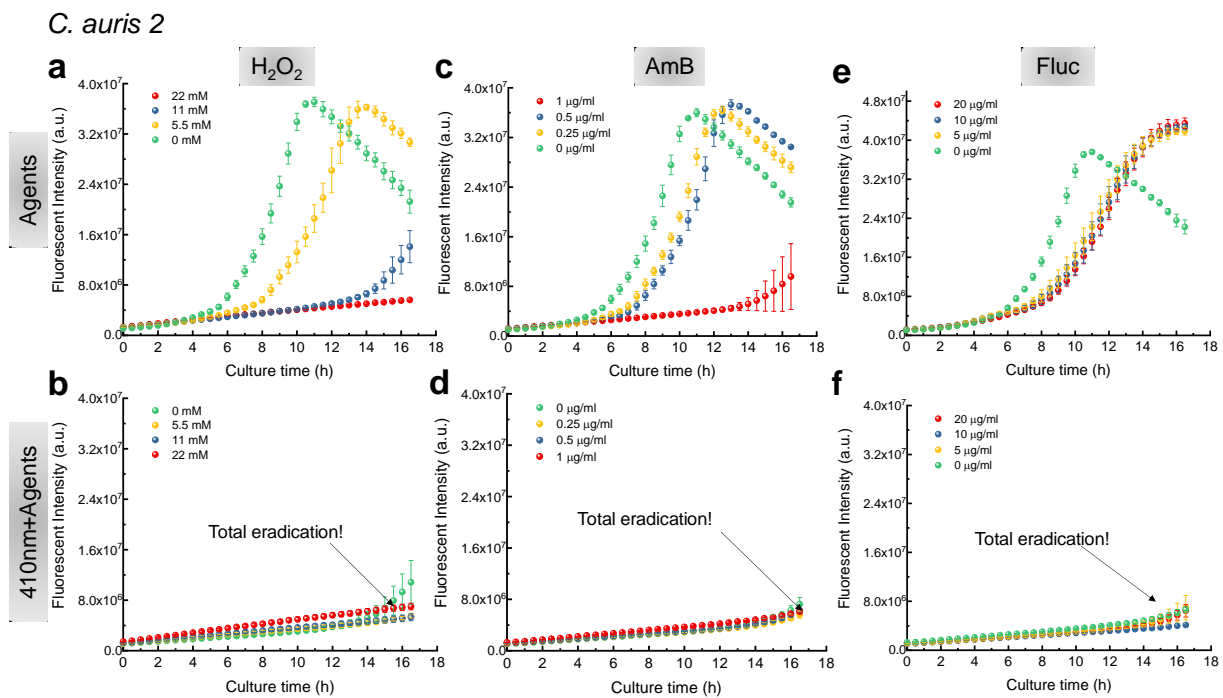
Supplementary Figure 6. Derived *Candida* cells/mL after different treatments based on the calibration curves. Data: Mean+SD. N=3. Pound sign (#) means below the detection limit.



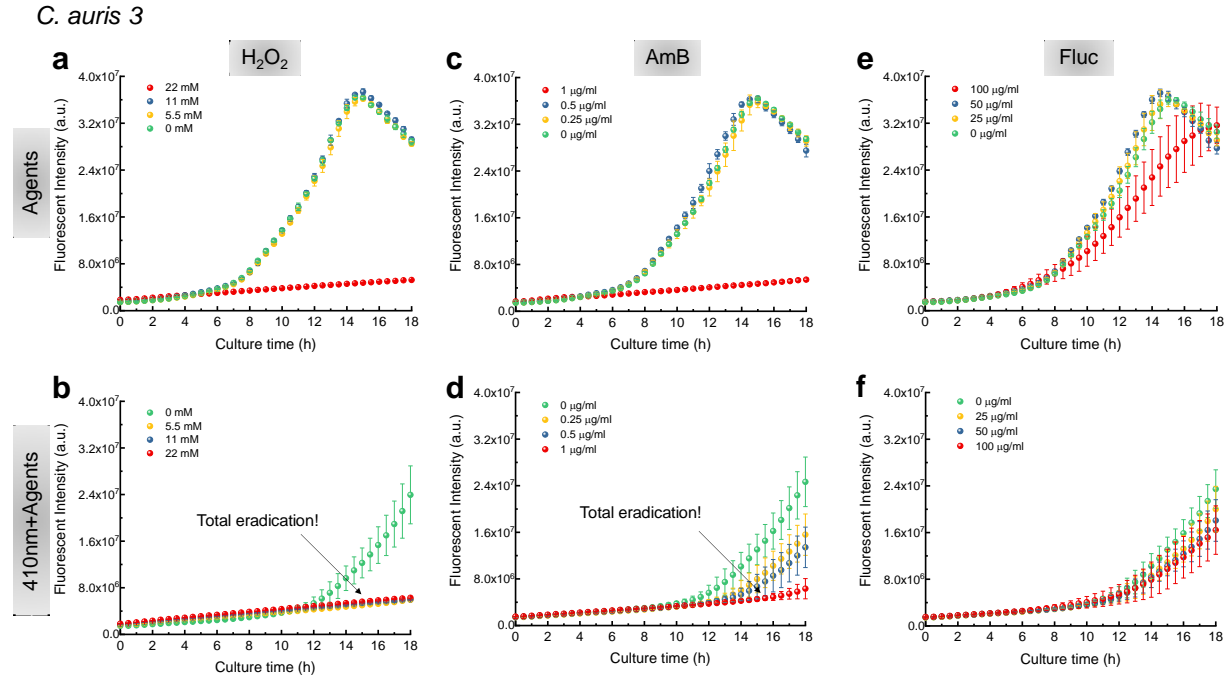
Supplementary Figure 7. Time-course PrestoBlue fluorescence intensity from various *Candida auris* strains under the treatment of 410 nm and antifungal drugs. Abbreviation: AmB (amphotericin B).



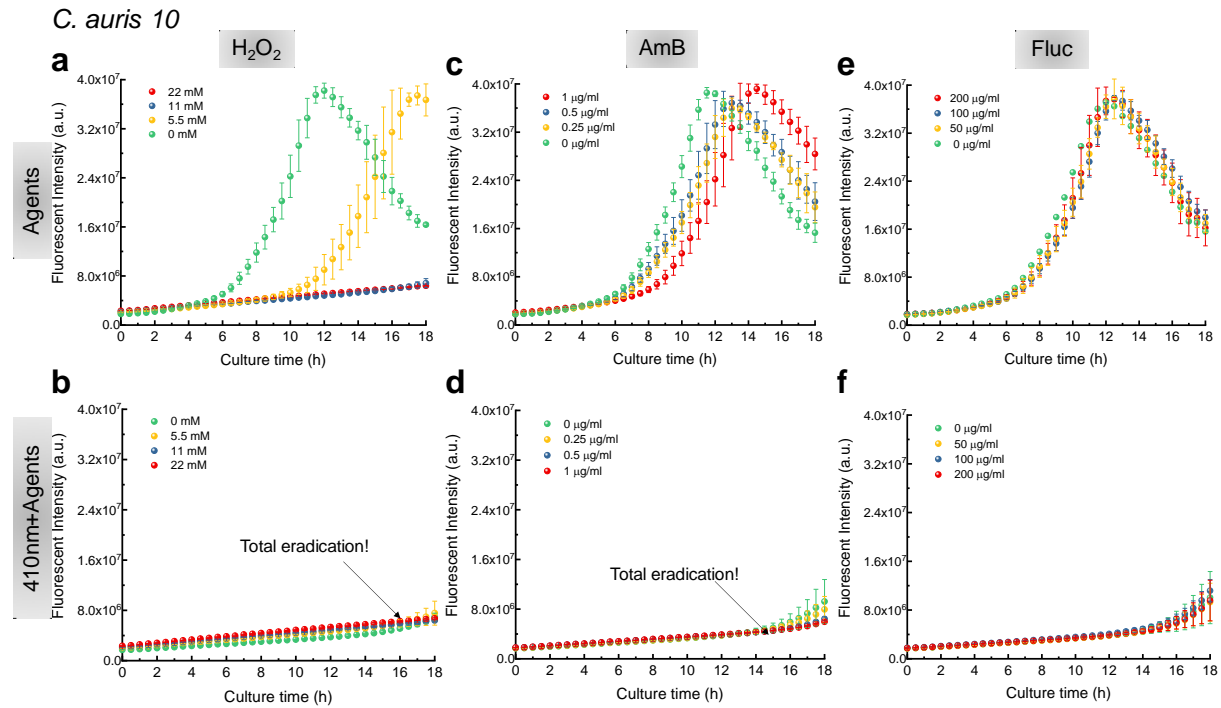
Supplementary Figure 8. Time-course PrestoBlue fluorescence intensity from *Candida auris* 1 under the treatment of 410 nm and antifungal agents. Abbreviations: AmB (amphotericin B), Fluc (fluconazole).



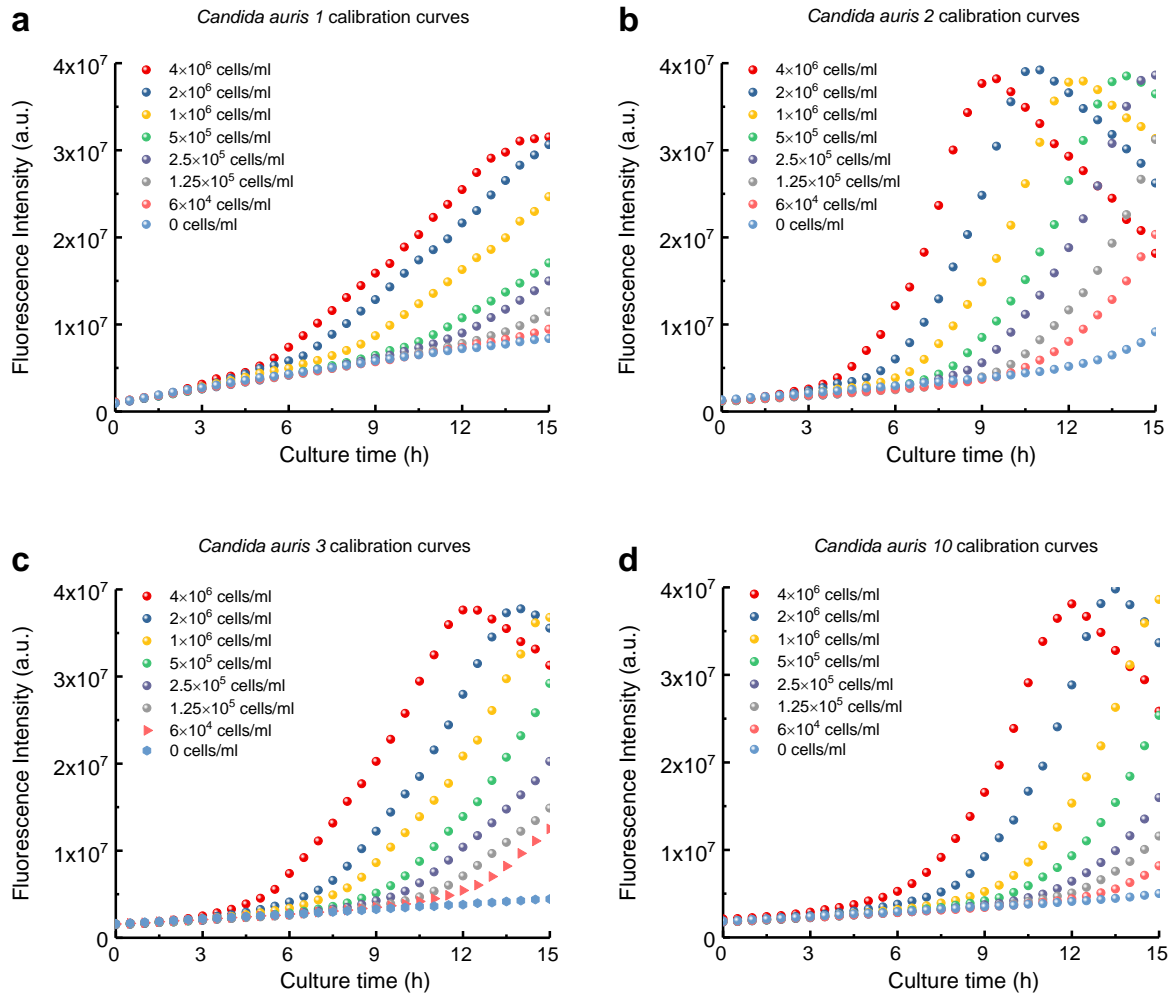
Supplementary Figure 9. Time-course PrestoBlue fluorescence intensity from *Candida auris* 2 under the treatment of 410 nm and antifungal agents. Abbreviations: AmB (amphotericin B), Fluc (fluconazole).



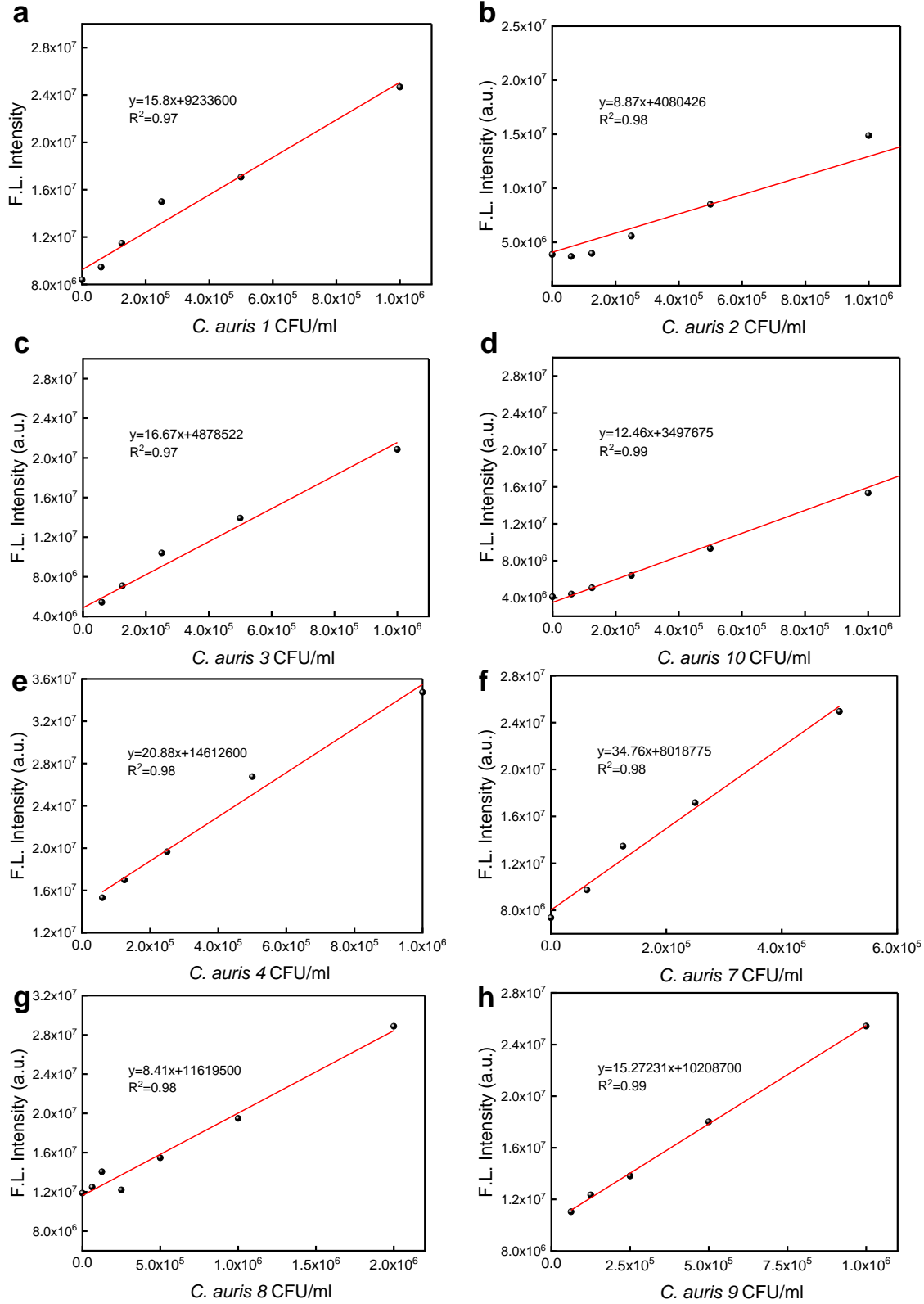
Supplementary Figure 10. Time-course PrestoBlue fluorescence intensity from *Candida auris* 3 under the treatment of 410 nm and antifungal agents. Abbreviations: AmB (amphotericin B), Fluc (fluconazole).



Supplementary Figure 11. Time-course PrestoBlue fluorescence intensity from *Candida auris* 10 under the treatment of 410 nm and antifungal agents. Abbreviations: AmB (amphotericin B), Fluc (fluconazole).



Supplementary Figure 12. Time-course PrestoBlue fluorescence intensity of *Candida auris* strains at specific concentrations.



Supplementary Figure 13. Calibration curves of *C. auris* CFU/ml versus prestoblu fluorescence intensity.