Figure S17. Synergistic inhibition of *E. coli* growth by 19AA-2M-tag and colistin.

(A) *E. coli* ATCC 25922 and a carbapenem-resistant *E. coli* isolated in the clinic were used to test the efficacy of a drug combination consisting of 19AA-2M-tag and colistin through a checkerboard assay. A total of 1×10^3 CFUs of the indicated strains were inoculated at initiation (T0), followed by treatment with drug combinations in a series of concentrations at 37 °C for 16 hr (Tn). The OD_{600} was measured before and after the treatment. The graphs show the value of $OD_{600\ T0}$ minus the $OD_{600\ Tn}$ of each well for both strains. A colour gradient heat map, with hot (red: $OD_{600} = 0$) to cool (blue: $OD_{600} = 0.5$) colours, indicates low to high values. The synergetic effect was further determined by calculating the FICI. **(B)** shows the inhibition curves of colistin with (red) or without (blue) the addition of 19AA-2M-tag. The dose–response curves of *E. coli* ATCC 25922 were generated by measuring the inhibitory rate after treatment with colistin in a series of concentrations, with or without co-treatment with 92.5 µM 19AA-2M-tag. The raw data underlying this Figure can be found in S1_data.