

Modulatory effects of caffeine and pentoxifylline on aromatic antibiotics: a role for heterocomplex formation

Anna Woziwodzka,^{1,*} Marta Krychowiak-Maśnicka,² Grzegorz Gołński,¹ Anna Felberg,¹
Agnieszka Borowik,¹ Dariusz Wyrzykowski,³ Jacek Piosik¹

¹ Laboratory of Biophysics, Intercollegiate Faculty of Biotechnology University of Gdansk
and Medical University of Gdansk, Gdansk, Poland

² Laboratory of Biologically Active Compounds, Intercollegiate Faculty of Biotechnology
University of Gdansk and Medical University of Gdansk, Gdansk, Poland

³ Department of Inorganic Biological Chemistry, Faculty of Chemistry, University of Gdansk,
Gdansk, Poland

* corresponding author

Supplementary Figure S1. Modulation of ciprofloxacin and tetracycline antibacterial activity by xanthines (caffeine and pentoxifylline) in *Staphylococcus aureus* using microbroth dilution assay and checkerboard methodology. Panel a, ciprofloxacin-caffeine mixtures; panel b, tetracycline-caffeine mixtures; panel b, ciprofloxacin-pentoxifylline mixtures; panel d, tetracycline-pentoxifylline mixtures. FIC, Fractional Inhibitory Concentration Index

Figure S1a

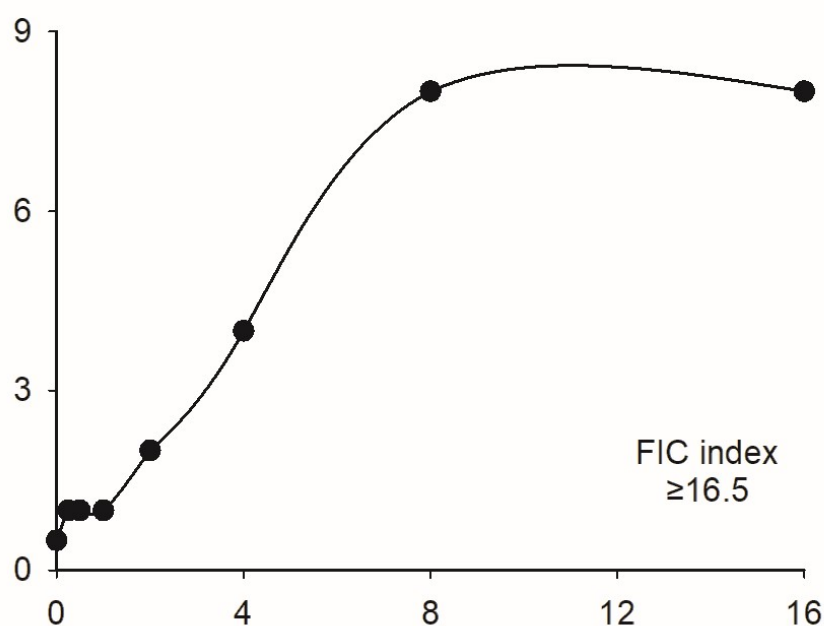


Figure S1b

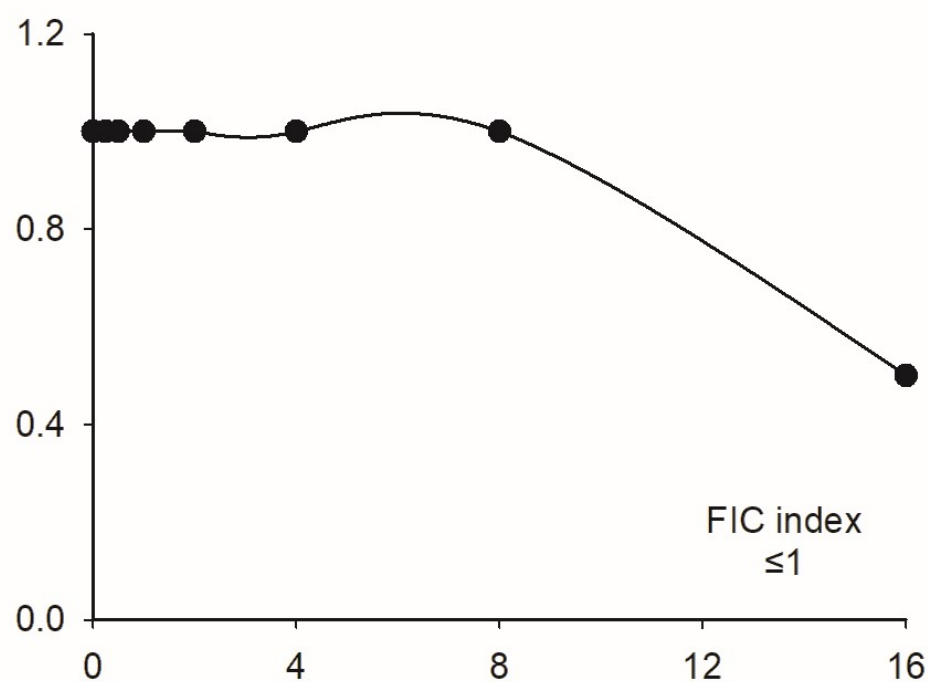


Figure S1c

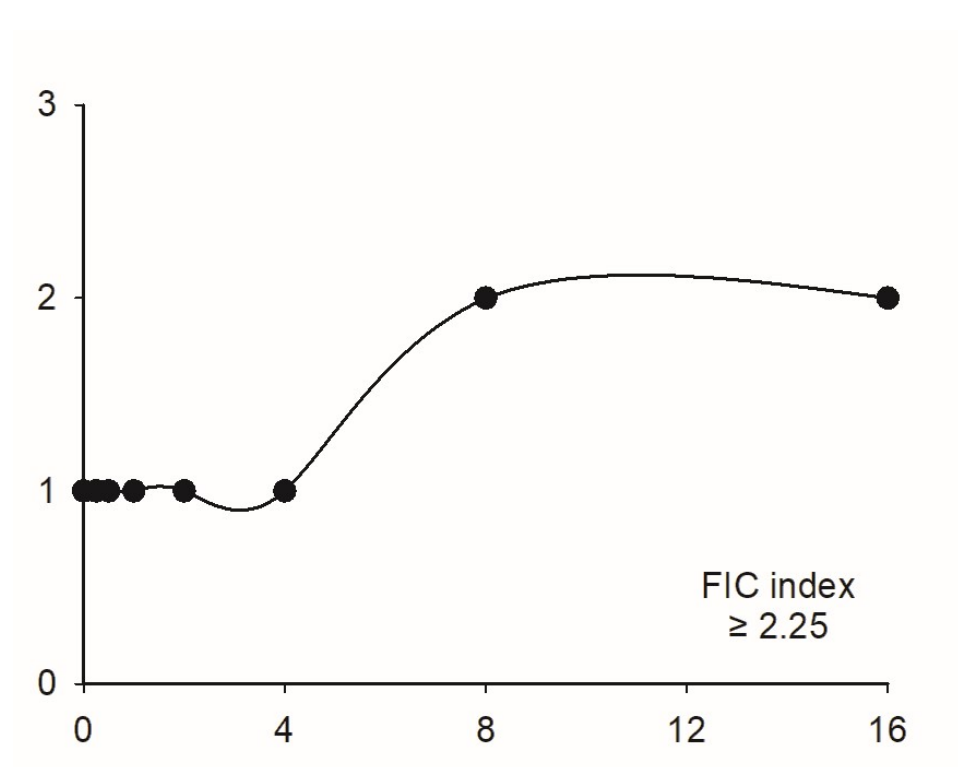
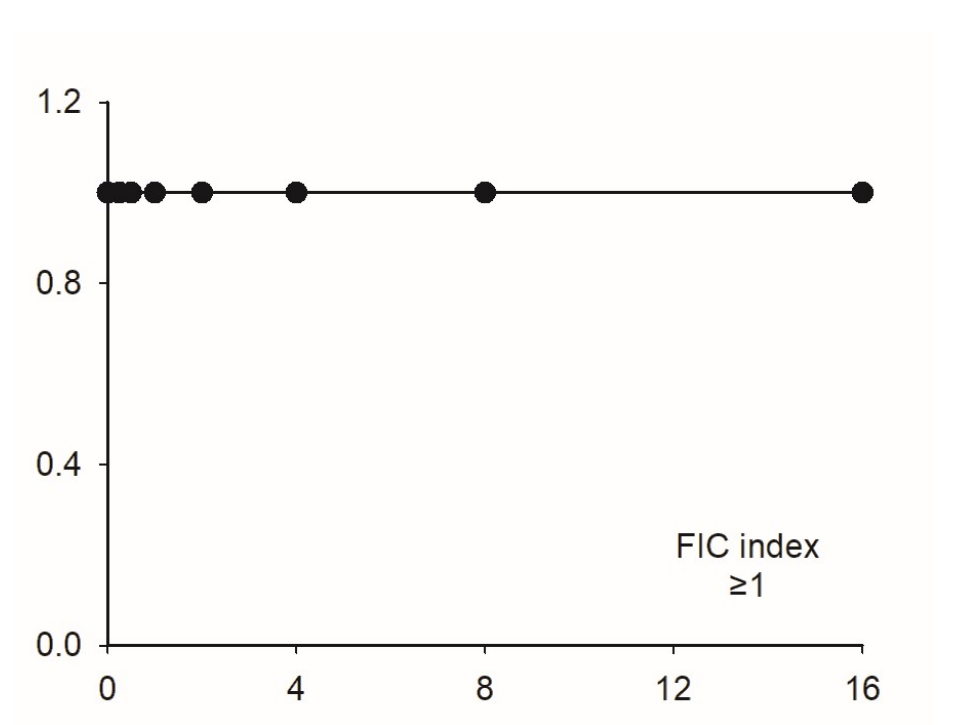


Figure S1d



Supplementary Figure S2. Modulation of ciprofloxacin and tetracycline antibacterial activity by xanthines (caffeine and pentoxifylline) in *Enterococcus faecium* using microbroth dilution assay and checkerboard methodology. Panel a, ciprofloxacin-caffeine mixtures; panel b, tetracycline-caffeine mixtures; panel c, ciprofloxacin-pentoxifylline mixtures; panel d, tetracycline-pentoxifylline mixtures. FIC, Fractional Inhibitory Concentration Index

Figure S2a

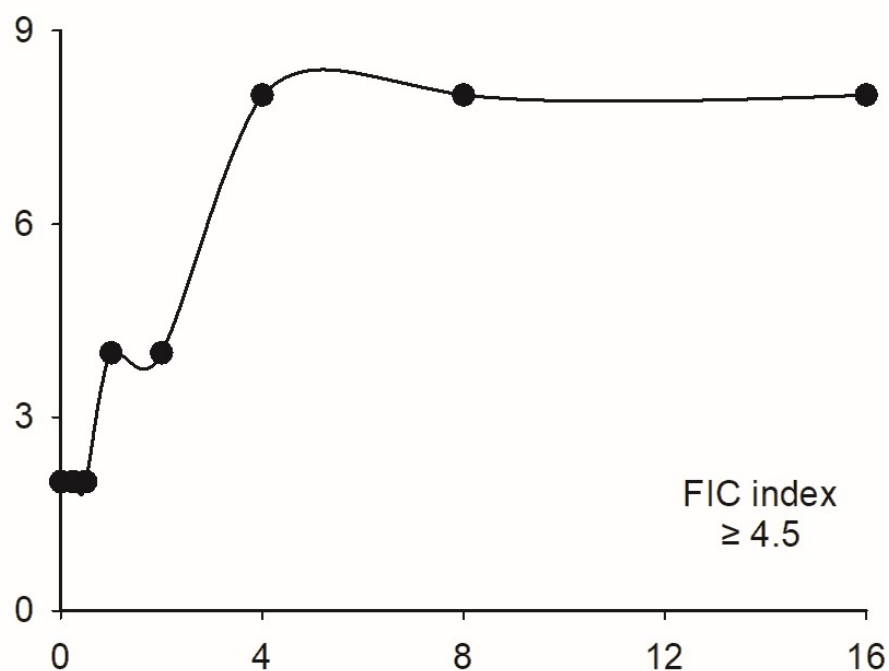


Figure S2b

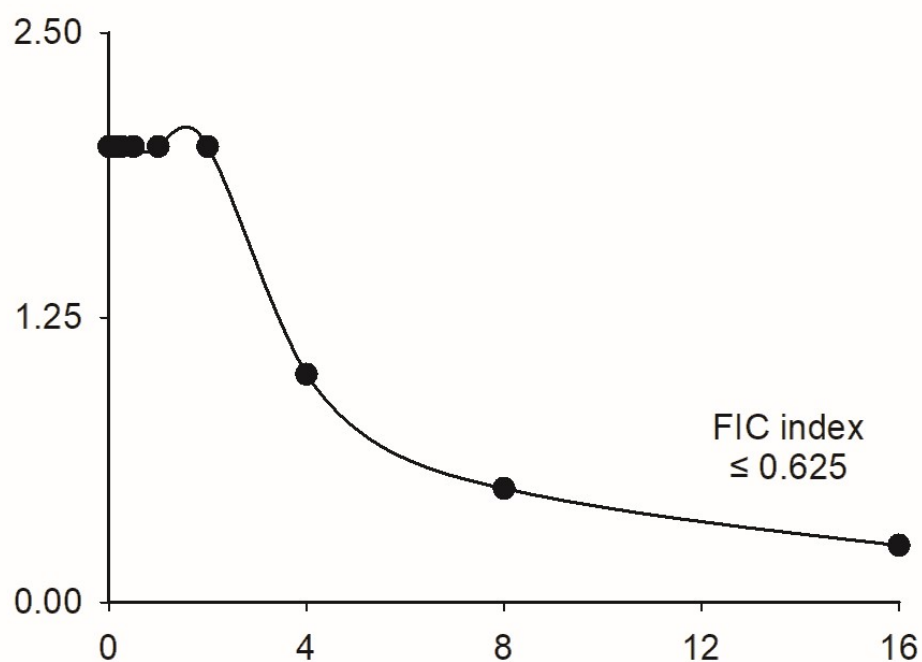


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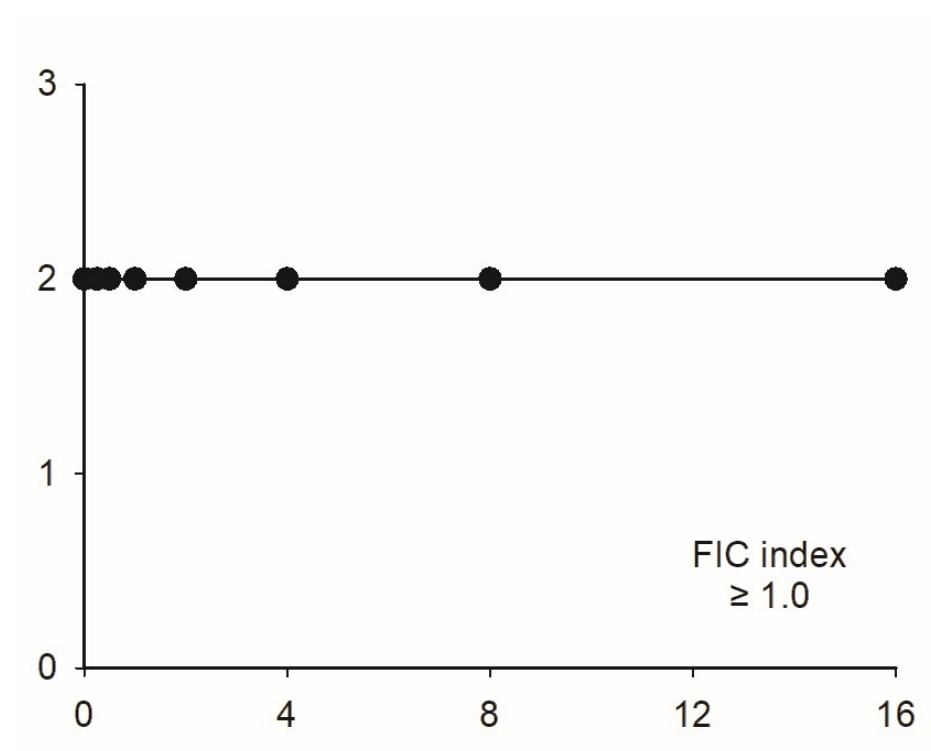
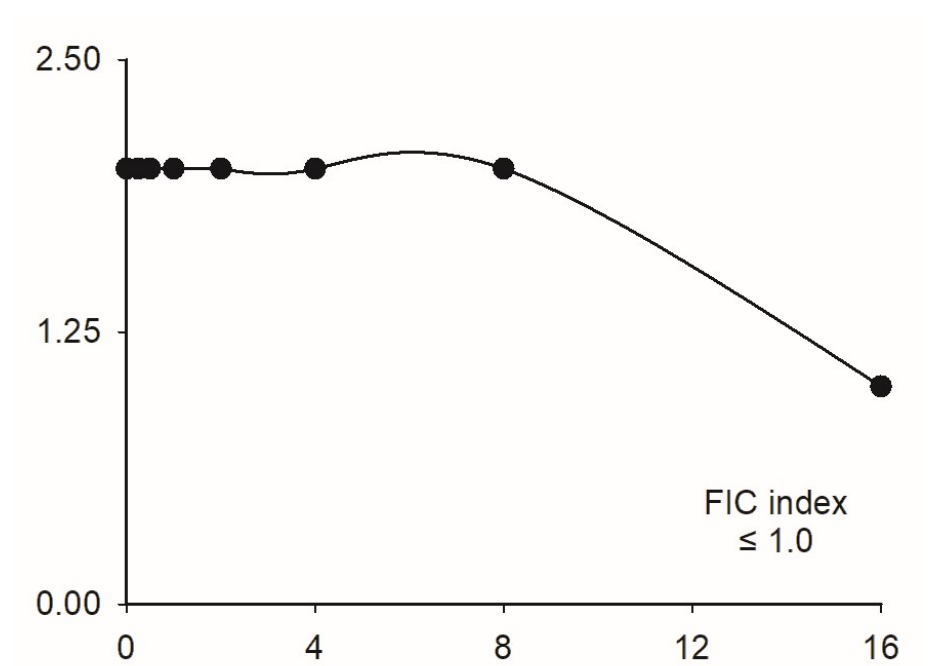


Figure S2d



Supplementary Figure S3. Modulation of ciprofloxacin and tetracycline antibacterial activity by xanthines (caffeine and pentoxifylline) in *Pseudomonas aeruginosa* using microbroth dilution assay and checkerboard methodology. Panel a, ciprofloxacin-caffeine mixtures; panel b, tetracycline-caffeine mixtures; panel c, ciprofloxacin-pentoxifylline mixtures; panel d, tetracycline-pentoxifylline mixtures. FIC, Fractional Inhibitory Concentration Index

Figure S3a

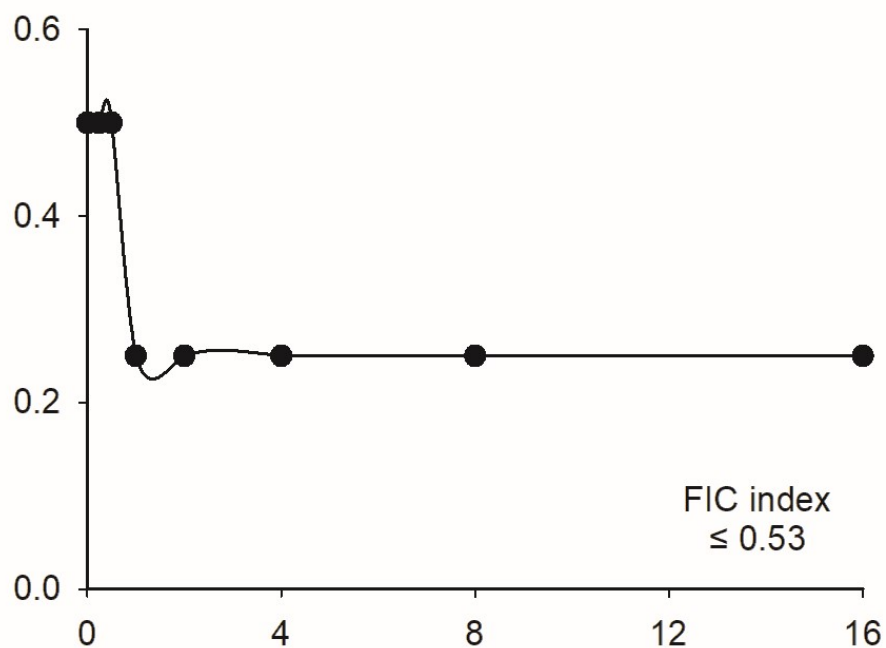


Figure S3b

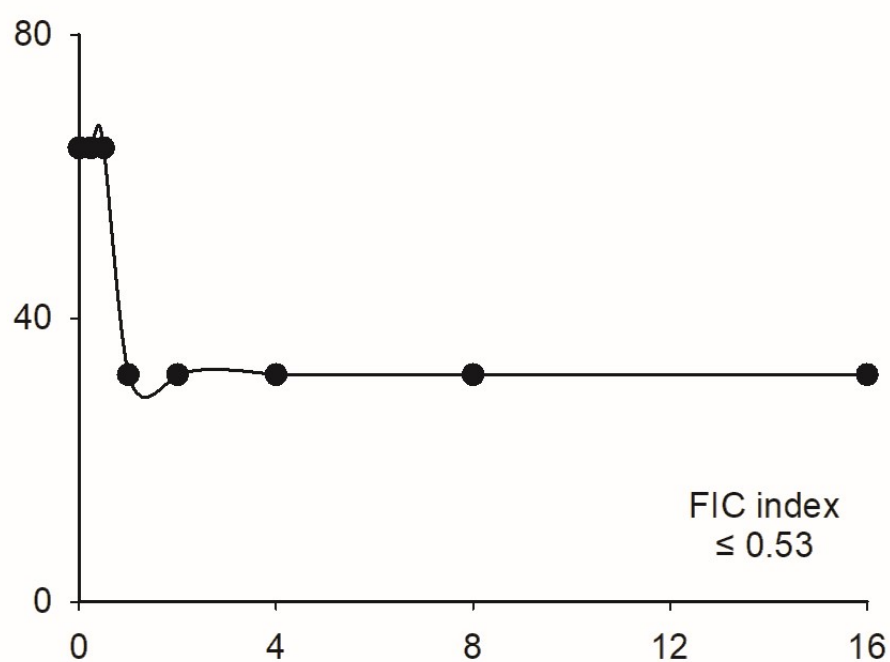


Figure S3c

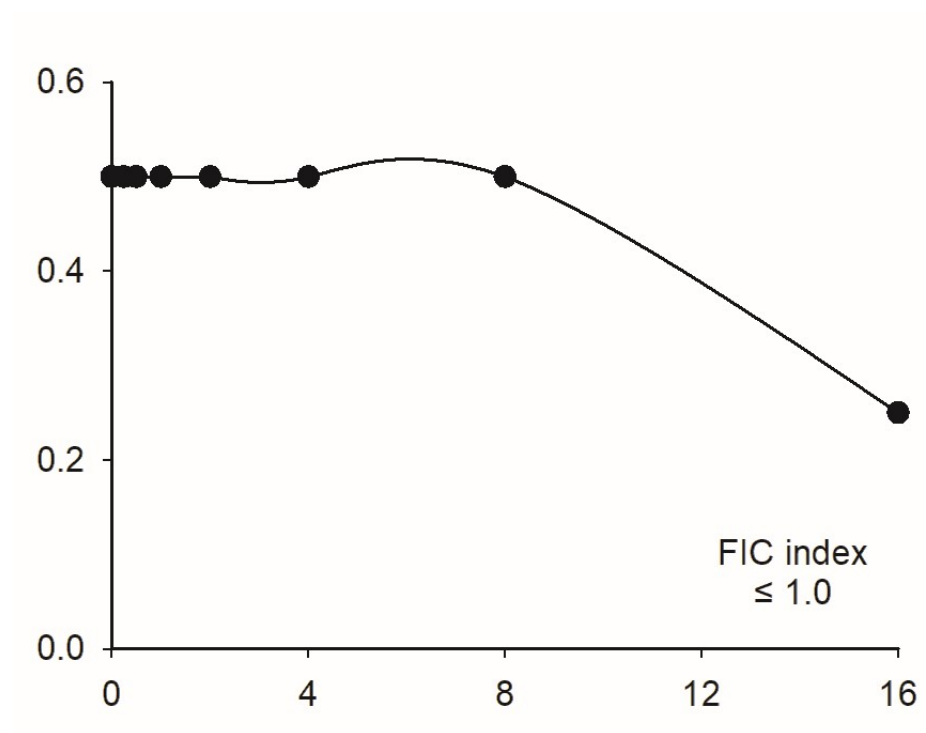
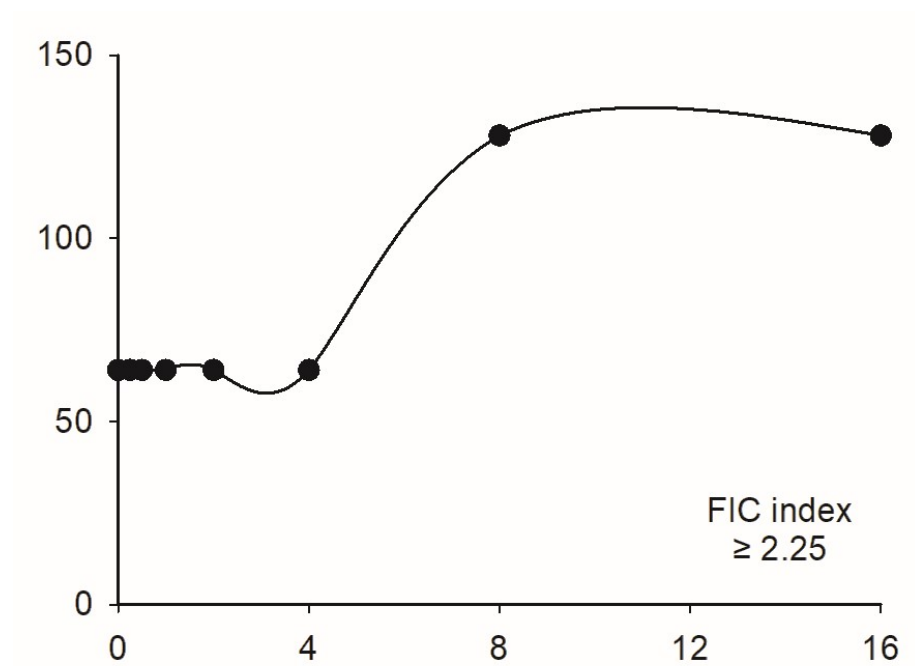


Figure S3d



Supplementary Figure S4. Modulation of ciprofloxacin and tetracycline antibacterial activity by xanthines (caffeine and pentoxifylline) in *Escherichia coli* using microbroth dilution assay and checkerboard methodology. Panel a, ciprofloxacin-caffeine mixtures; panel b, tetracycline-caffeine mixtures; panel c, ciprofloxacin-pentoxifylline mixtures; panel d, tetracycline-pentoxifylline mixtures. FIC, Fractional Inhibitory Concentration Index

Figure S4a

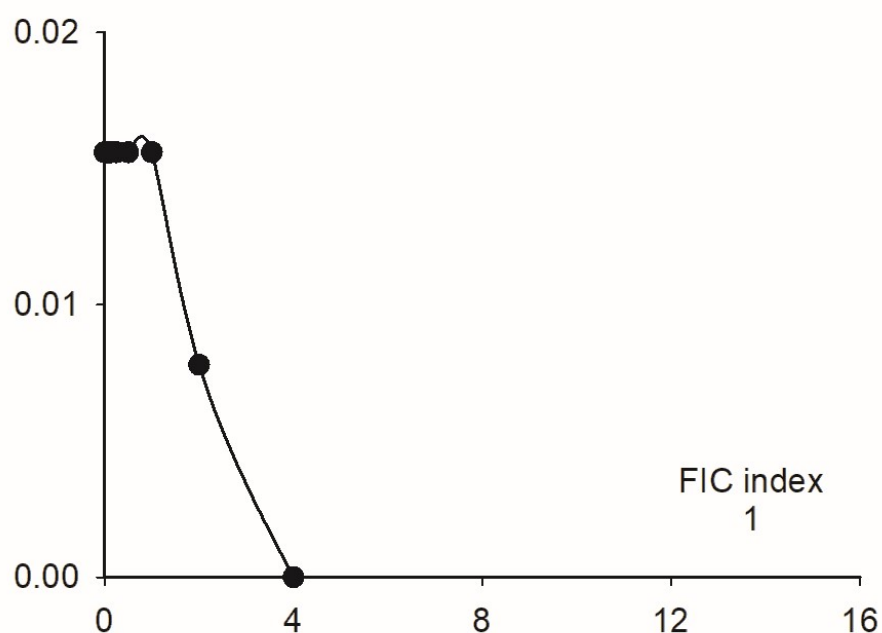


Figure S4b

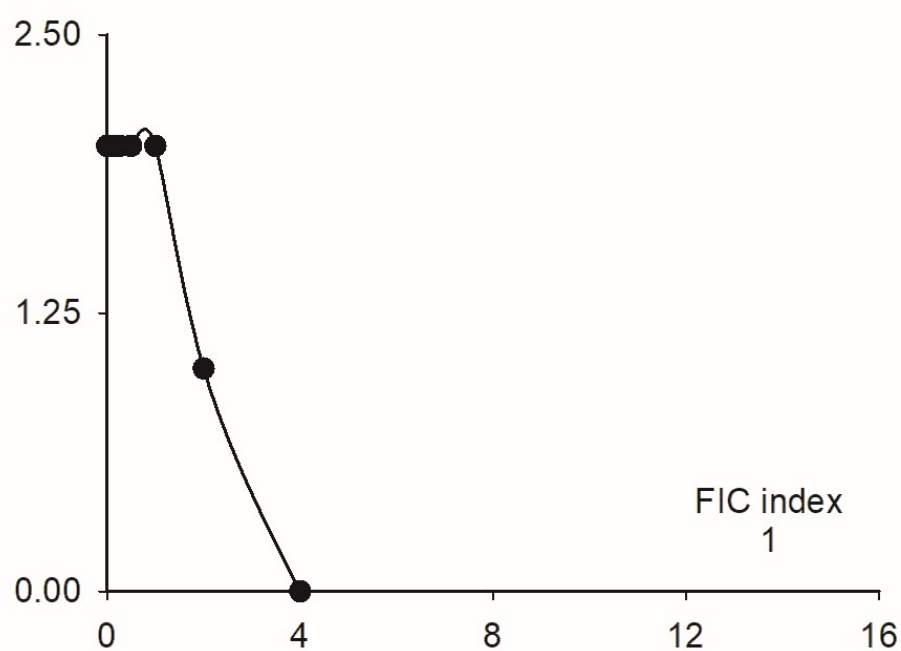


Figure S4c

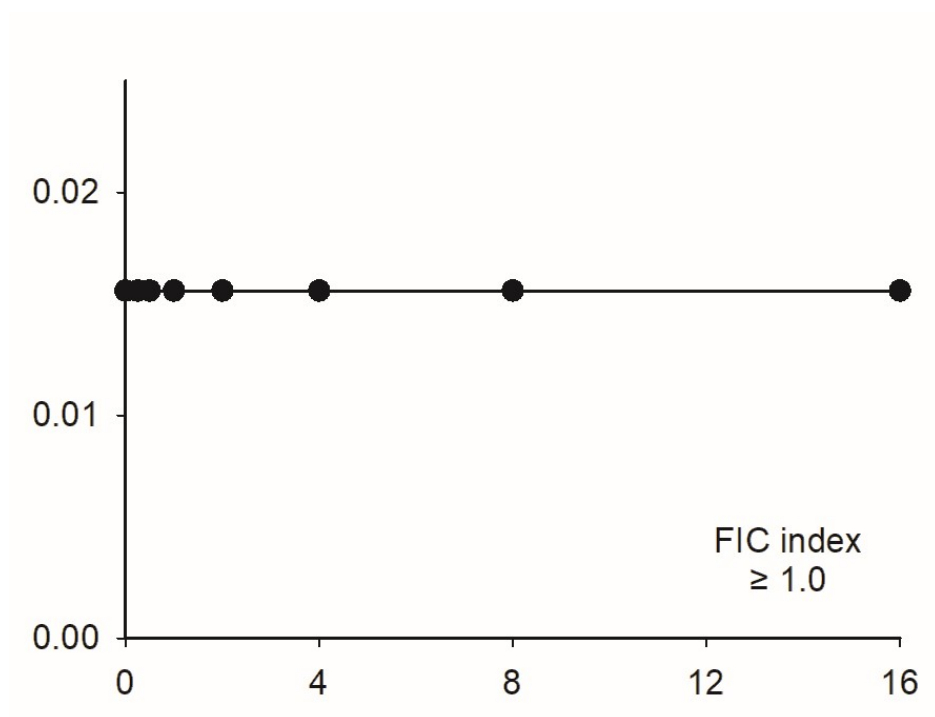
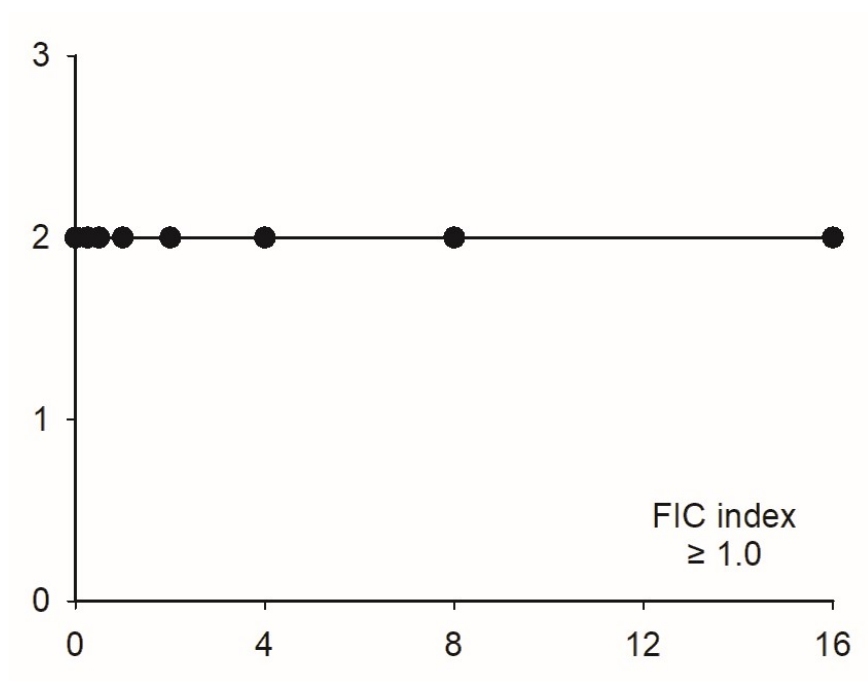


Figure S4d



Supplementary Figure S5. Modulation of ciprofloxacin and tetracycline antibacterial activity by xanthines (caffeine and pentoxifylline) in *Acinetobacter baumannii* using microbroth dilution assay and checkerboard methodology. Panel a, ciprofloxacin-caffeine mixtures; panel b, tetracycline-caffeine mixtures; panel c, ciprofloxacin-pentoxifylline mixtures; panel d, tetracycline-pentoxifylline mixtures. FIC, Fractional Inhibitory Concentration Index

Figure S5a

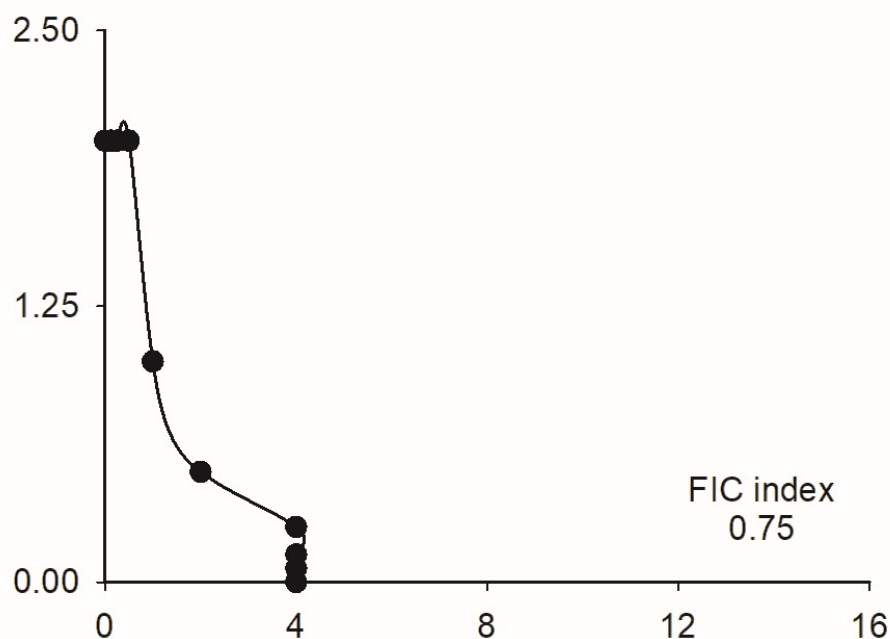


Figure S5b

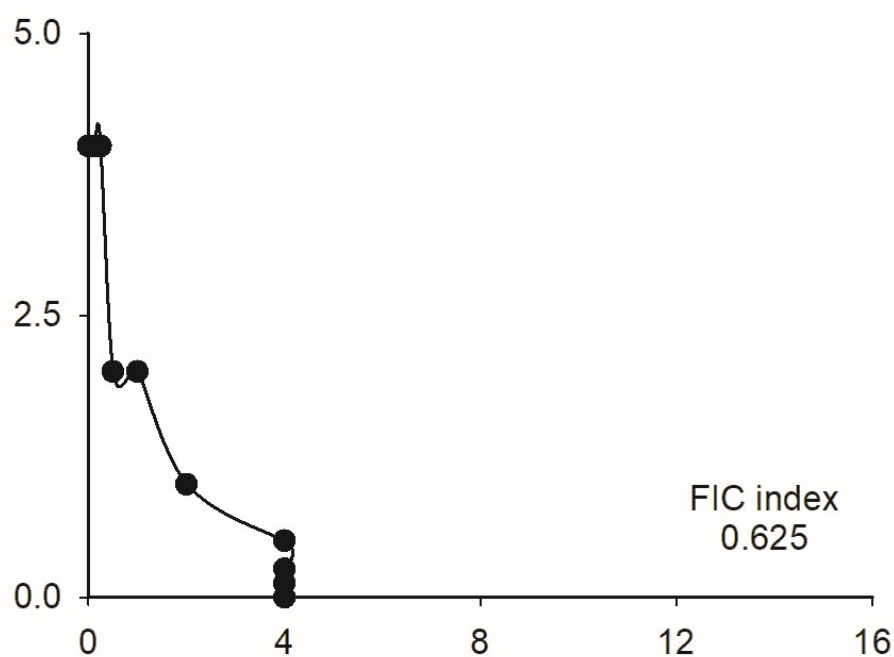


Figure S5c

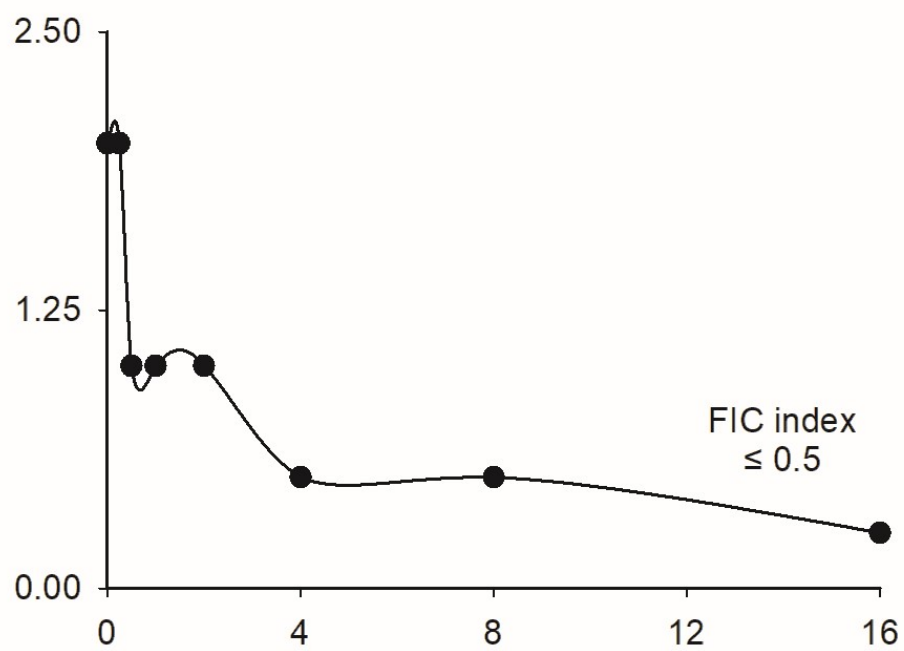
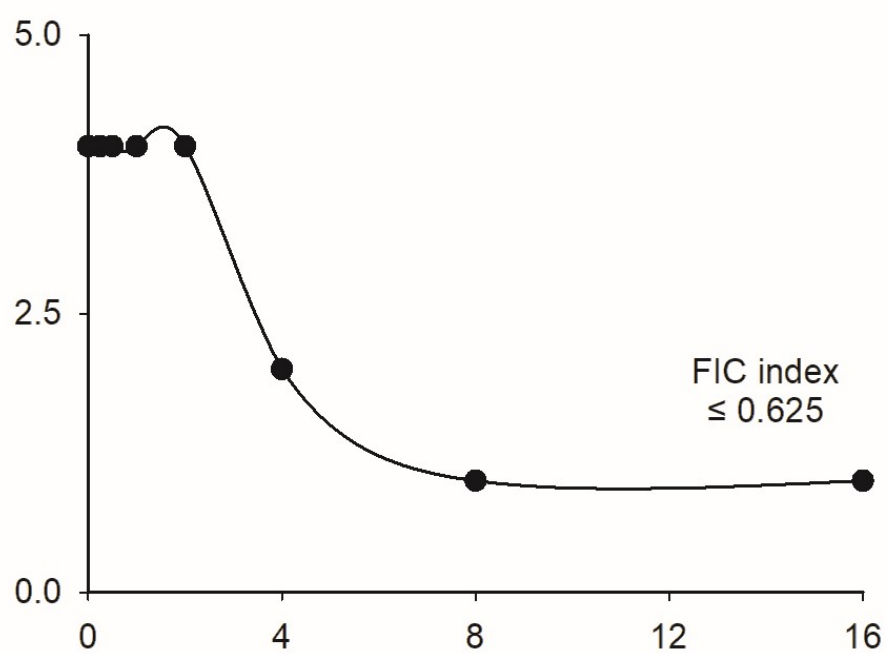


Figure S5d



Supplementary Figure S6. Modulation of ciprofloxacin and tetracycline antibacterial activity by xanthines (caffeine and pentoxifylline) in *Klebsiella pneumoniae* using microbroth dilution assay and checkerboard methodology. Panel a, ciprofloxacin-caffeine mixtures; panel b, tetracycline-caffeine mixtures; panel c, ciprofloxacin-pentoxifylline mixtures; panel d, tetracycline-pentoxifylline mixtures. FIC, Fractional Inhibitory Concentration Index

Figure S6a

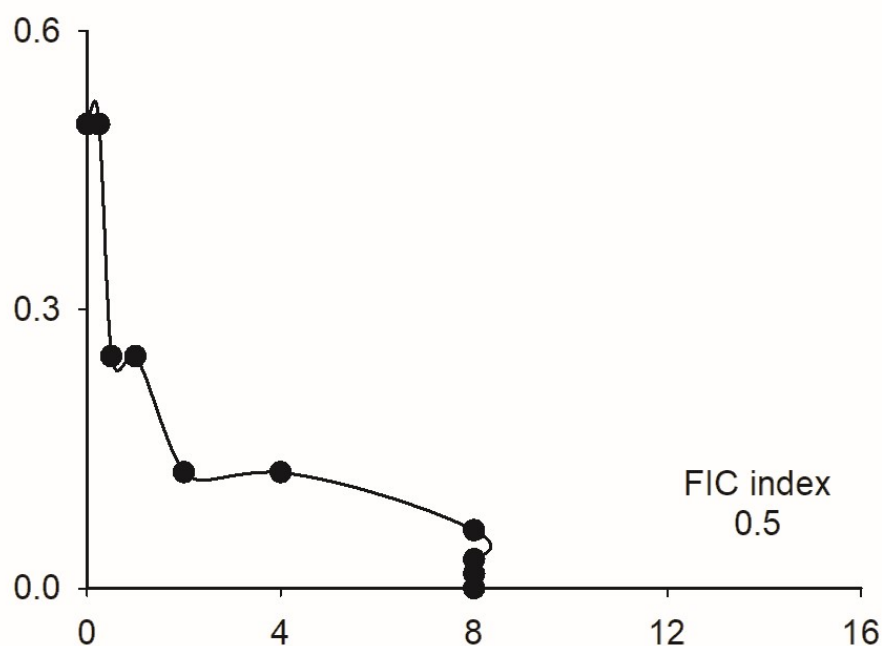


Figure S6b

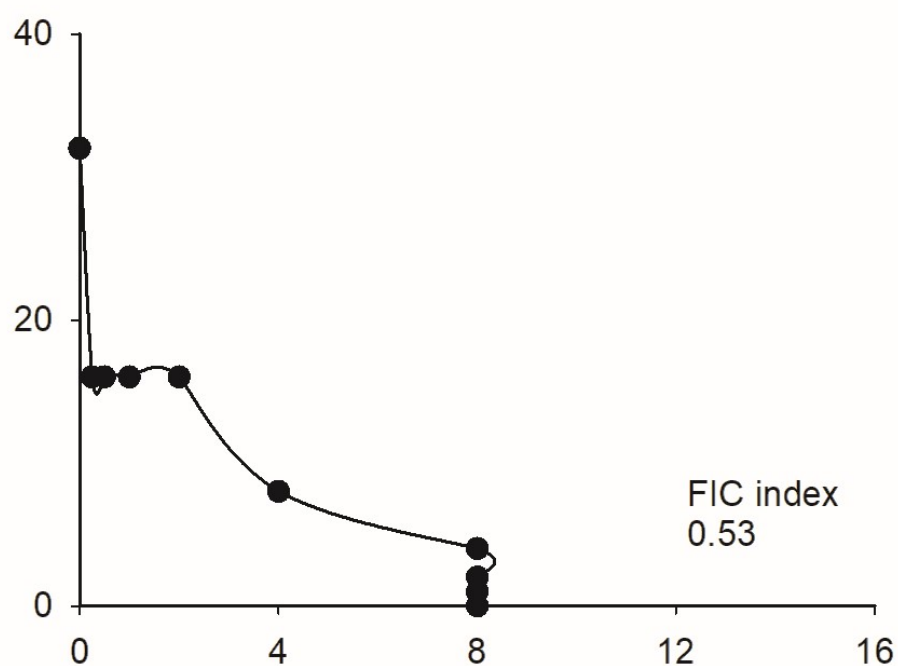


Figure S6c

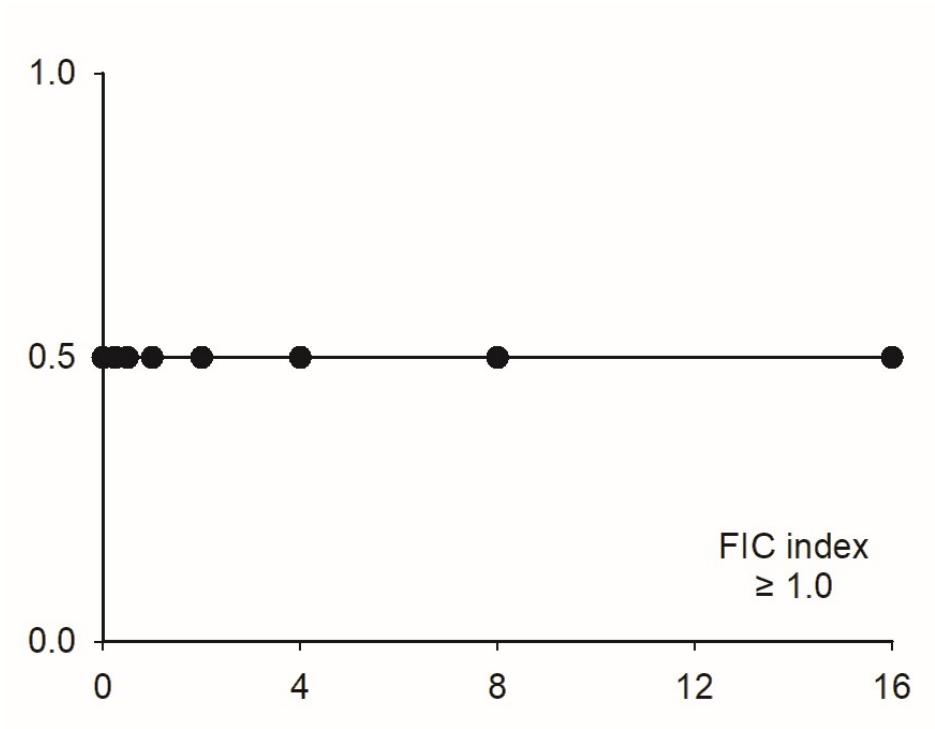
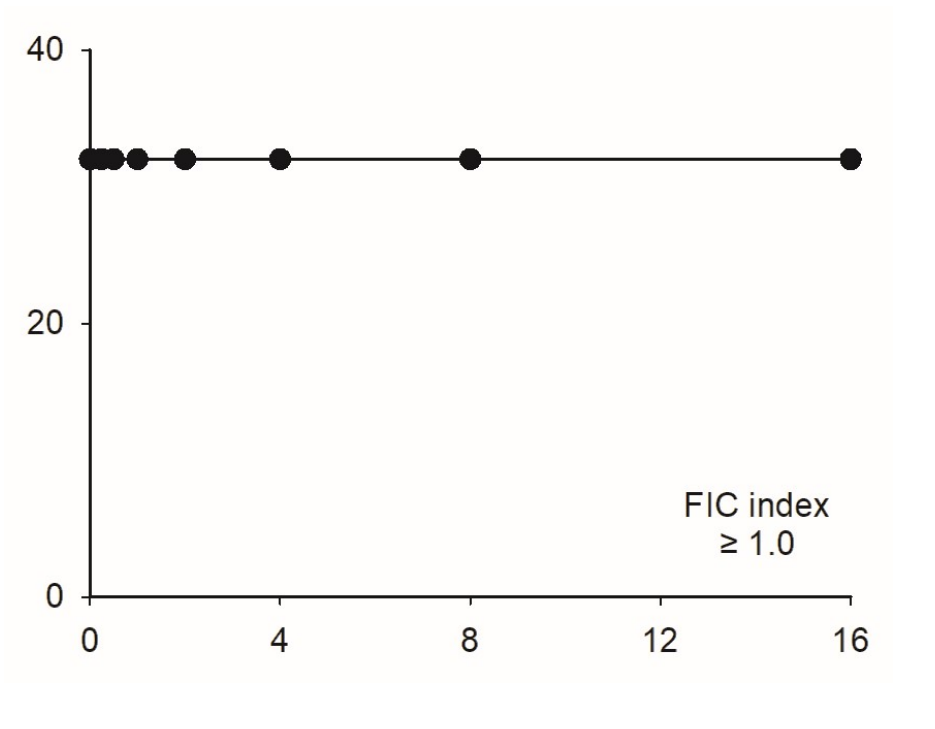


Figure S6d



Supplementary Figure S7. Modulation of ciprofloxacin and tetracycline antibacterial activity by xanthines (caffeine and pentoxifylline) in *Enterobacter cloacae* using microbroth dilution assay and checkerboard methodology. Panel a, ciprofloxacin-caffeine mixtures; panel b, tetracycline-caffeine mixtures; panel c, ciprofloxacin-pentoxifylline mixtures; panel d, tetracycline-pentoxifylline mixtures. FIC, Fractional Inhibitory Concentration Index

Figure S7a

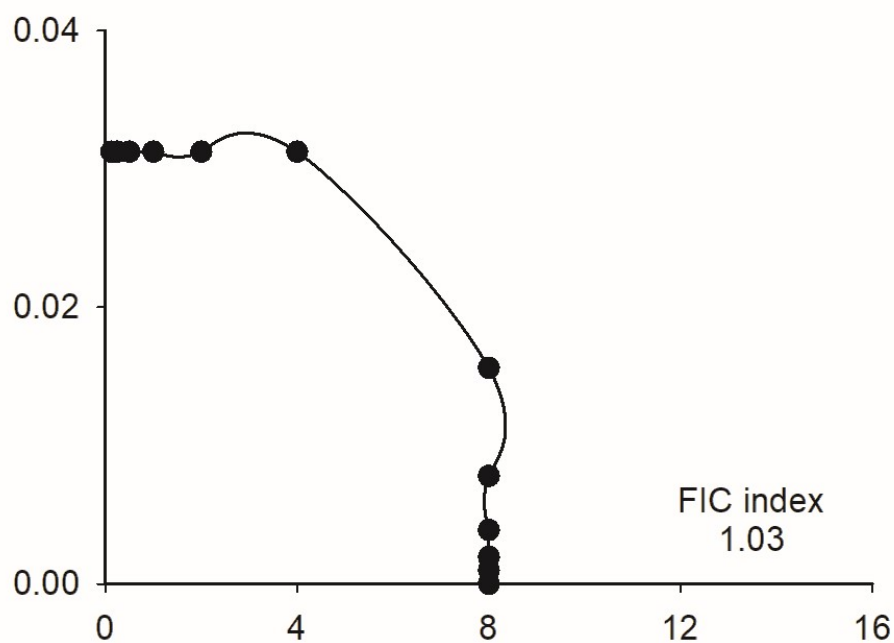


Figure S7b

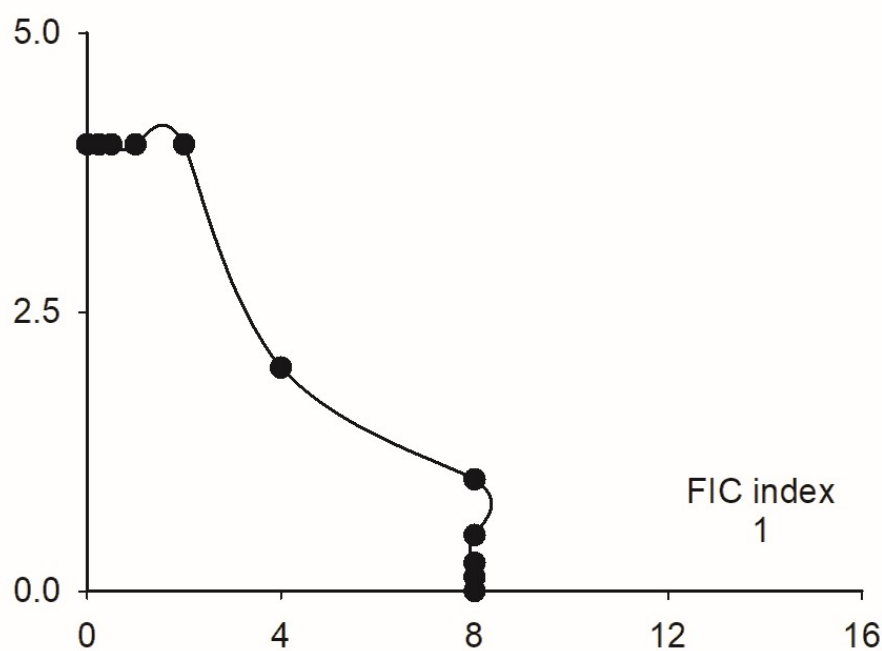


Figure S7c

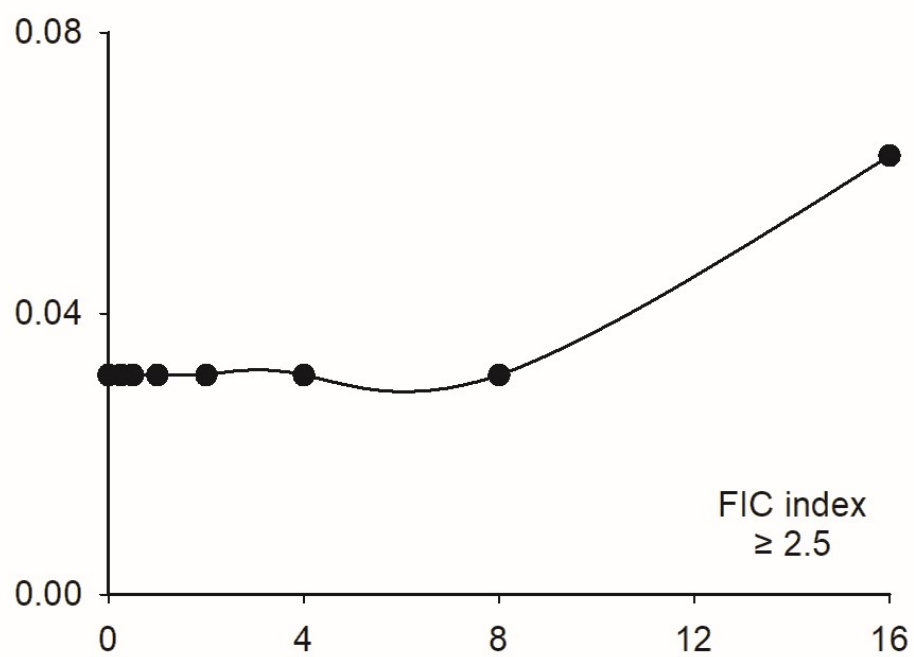


Figure S7d

