1 Applied Microbiology and Biotechnology

- 2 Epiberberine: a potential rumen microbial urease inhibitor to reduce ammonia release
- 3 screened by targeting UreG
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8 Supplemental materials

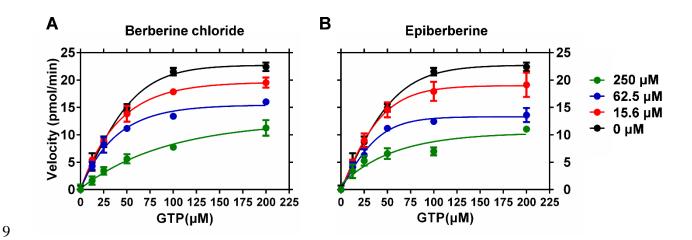


Fig. S1 Kinetic study of UreG inhibition by berberine chloride (A) and epiberberine (B). The various concentrations of GTP substrate are 0, 12.5, 25, 50, 100, and 200 μ M, and that of berberine chloride and epiberberine are 0, 15.6, 62.5, and 250 μ M. Each point represents means \pm SD of triplicate tests.

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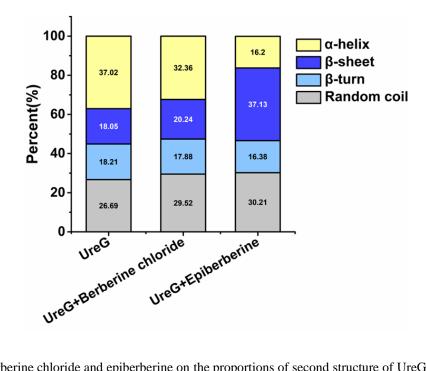


Fig. S2 Effect of berberine chloride and epiberberine on the proportions of second structure of UreG.