



**Figure S4. Population analysis.** Shown are growth of 5 microliters of spotted dilutions (undiluted to 1:3,125) of gonococcal strains containing site-directed *mtrD* mutations that were transformed into strain KH15 (FA19 with the single bp deletion in the *mtrR* promoter) on GCB agar plates containing no antimicrobial or Azi (0.5 and 2.0 µg/ml) or EtBr (4.0 or 8.0 µg/ml). All plates were incubated at 37 °C under 5% (v/v) carbon dioxide for 48 hr before photography.