

Fig. S1. Real-time quantification of AR gene pools in individual mouse subjects included in Fig. 1. Inoculated mice were administered with tetracycline hydrochloride in 50 mg/kg body weight/day (A), 2 mg/kg body weight/day (B), or ampicillin sodium in 30 mg/kg body weight/day (C).

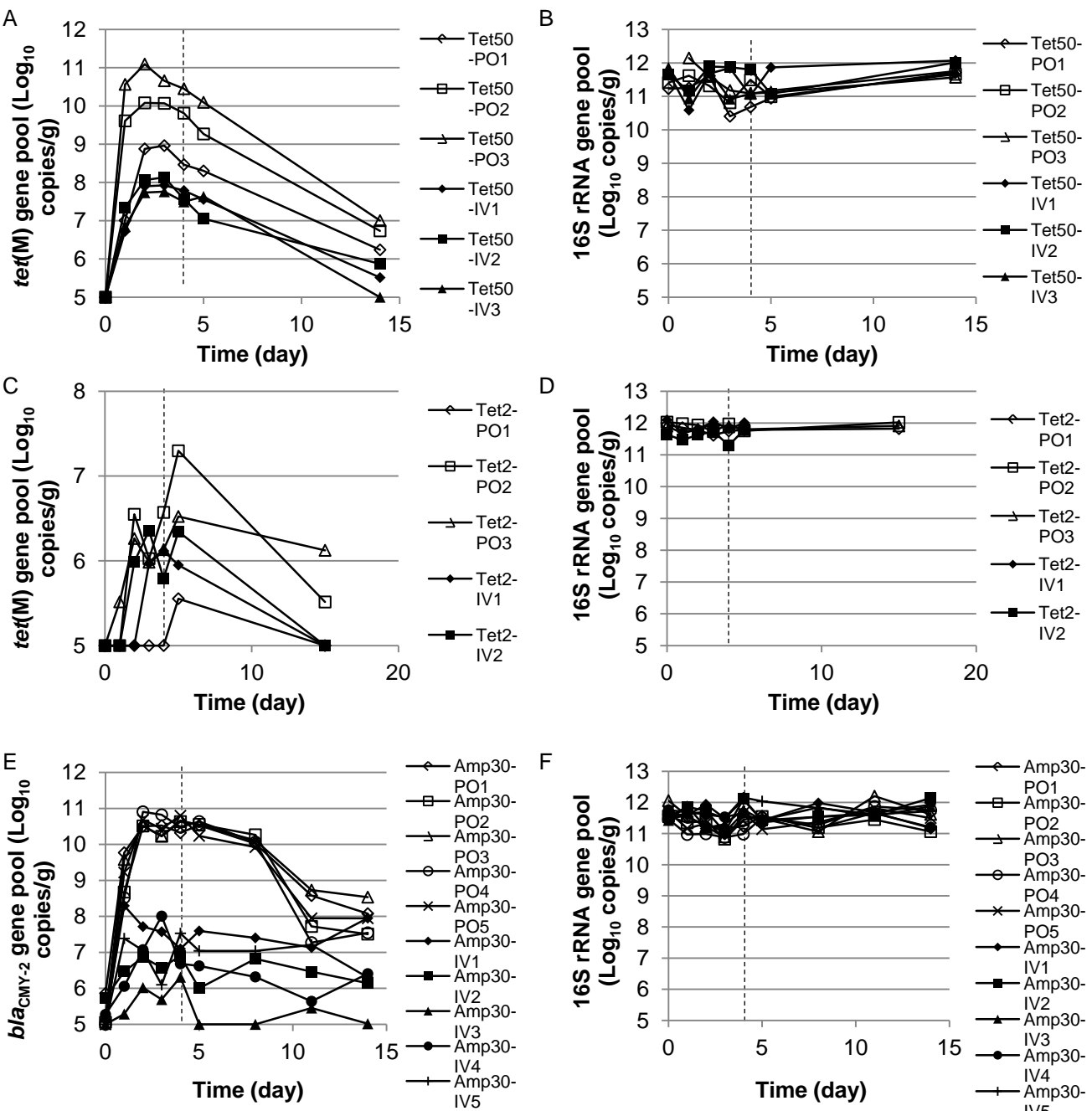


Fig. S2. Real-time quantification of AR gene pools upon corresponding antibiotic exposure (additional repeats). Inoculated mice were administered with tetracycline hydrochloride in 50 mg/kg body weight/day (A, B), 2 mg/kg body weight/day (C, D), or ampicillin sodium in 30 mg/kg body weight/day (E, F). Data were presented with *tet(M)* gene pool (A, C), *bla*_{CMY-2} gene pool (E) and corresponding 16S rRNA gene pool (B, D, F).

--- Last day of antibiotic administration.

Detection limit of AR gene pools in this study is 10^5 copies/g. Data were presented as detection limit if below detection limit.