FIGURE S3.—Phenotypic analysis of MG1655 and AB1157 uvrD ruvC cells, and effect of RecQ. (A) and (B) Synthetic lethality assays comparing uvrD ruv cells in the MG1655 (A) and AB1157 (B) backgrounds. Note that the elimination of RecQ improves viability in both cases, though the AB1157 and its derivatives generally grow less well than the equivalent MG1655 strains. (C) Growth and sensitivity to mitomycin C and UV light. Cultures of the strains indicated were grown in LB broth to an A650 of 0.4, diluted in 10-fold steps in 56/2 salts and 10 μl aliquots of 10⁻¹ to 10⁻⁵ dilutions spotted on three LB agar plates, one of which contained 0.5 μg/ml mitomycin C, and one of which was irradiated with 60 J/m² UV light. Plates were photographed after 24 h at 37°C.