FIGURE S2.—Design and phenotypic analysis of polA deletions strains. (A) Location of the kan insertion in polA relative to the protein domain boundaries and design of partial and complete deletions of the polA coding sequence. The sequence deleted in each case is replaced with that coding for resistance to trimethoprim (dhfr). (B) Effect of the indicated polA mutations on sensitivity to UV light. The strain is identified in parenthesis. (C) Effect of polA insertion and deletion mutations on growth. Samples of cultures of the strains indicated grown in LB broth were streaked on LB agar or 56/2 glucose minimal salts agar as indicated. Plates were photographed after 24h at 37C. The strains used are identified in parenthesis.