



Fig S1. LexA-Sir4^{PAD}, -Yku80, and -Yif1 fusions do not induce transcriptional silencing at the *ARS607* locus. Transcriptional silencing near the *lexA* operators was examined in a *ppr1Δ* background. The *URA3* gene was inserted between the *lexA* operators and *ARS607*, and the effect of expressing various LexA fusions on the expression of *URA3* was examined. A LexA-Sir2 fusion, which can induce transcriptional repression of a crippled silencer (Taddei et al., 2004), causes weak silencing. (A) Insertion oriented with *URA3* promoter proximal to *lexA* operators. The distance between LexA^{OP} and *URA3* promoter is 0.24 kb, and the distance between LexA^{OP} and *ARS607* is 1.6 kb. (B) Insertion oriented with *URA3* promoter distal to *lexA* operators. The distance between LexA^{OP} and *URA3* promoter is 1.1 kb, and the distance between LexA^{OP} and *ARS607* is 1.6 kb.