



Figure 2. 5' UTRs are sufficient to lead to bS21-2-mediated changes in translation. (A) Diagrams of the translational reporter fusions used. Reporters used the *tul4* promoter to drive expression of the tested 5' UTR, including the first 6 codons of the gene, and are in frame with either *lacZ* at the Tn7 site of the genome or *gfp* on a multi-copy plasmid. **(B)** Relative fluorescence is reported for indicated translational fusion reporters in cells with (+; WT) or without (-; $\Delta rpsU2$) bS21-2 in biological triplicate. The *tul4* reporter serves as a control. 5' UTR sequences can be found in Table 1. Error bars represent 1 SD. * $p < 0.05$ by t-test. Experiments were repeated at least twice and data from a representative experiment are shown.