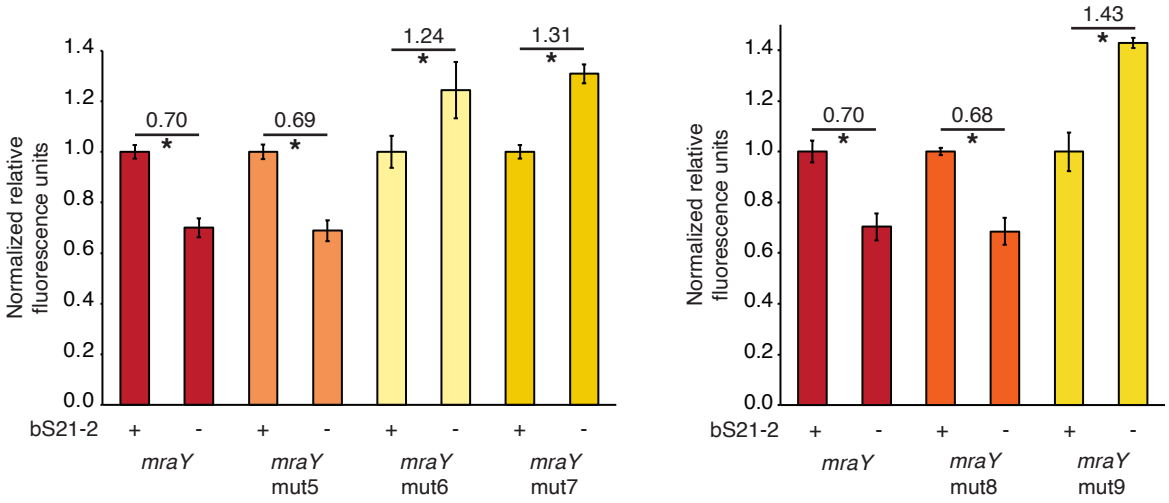


```
mraY       auaaaaaauuugaaccaauuauuuagacgcuaauuuugacucuauuaaaaaaaua(63nt)
mraY mut5                          gacgcuaauuuugacucuauuaaaaaaaua(63nt)
mraY mut8                               GCCGGGGgacucuauuaaaaaaaua(63nt)
mraY mut9                                     AGUAGAauuaaaaaaaua(63nt)
mraY mut7                                        AGAauuaaaaaaaua(63nt)
mraY mut6                                           auuaaaaaaaua(63nt)
```

Figure 6. GACUCU is critical for bS21-2-mediated translation in the *mraY* 5′ UTR. Top: Relative fluorescence is reported for indicated translational fusion reporters in cells with (+; WT) or without (-; Δ*rpsU2*) bS21-2, in biological triplicate. Error bars represent 1 SD. *p<0.05 by t-test. Experiments were repeated twice and data from a representative experiment are shown. Bottom: Alignment of modifications to *mraY* 5′ UTR. Nucleotides altered from WT are capitalized. Values in parenthesis indicates the number of identical nts omitted from the 3′ ends of the UTRs.