

Operon Promoter Landscape

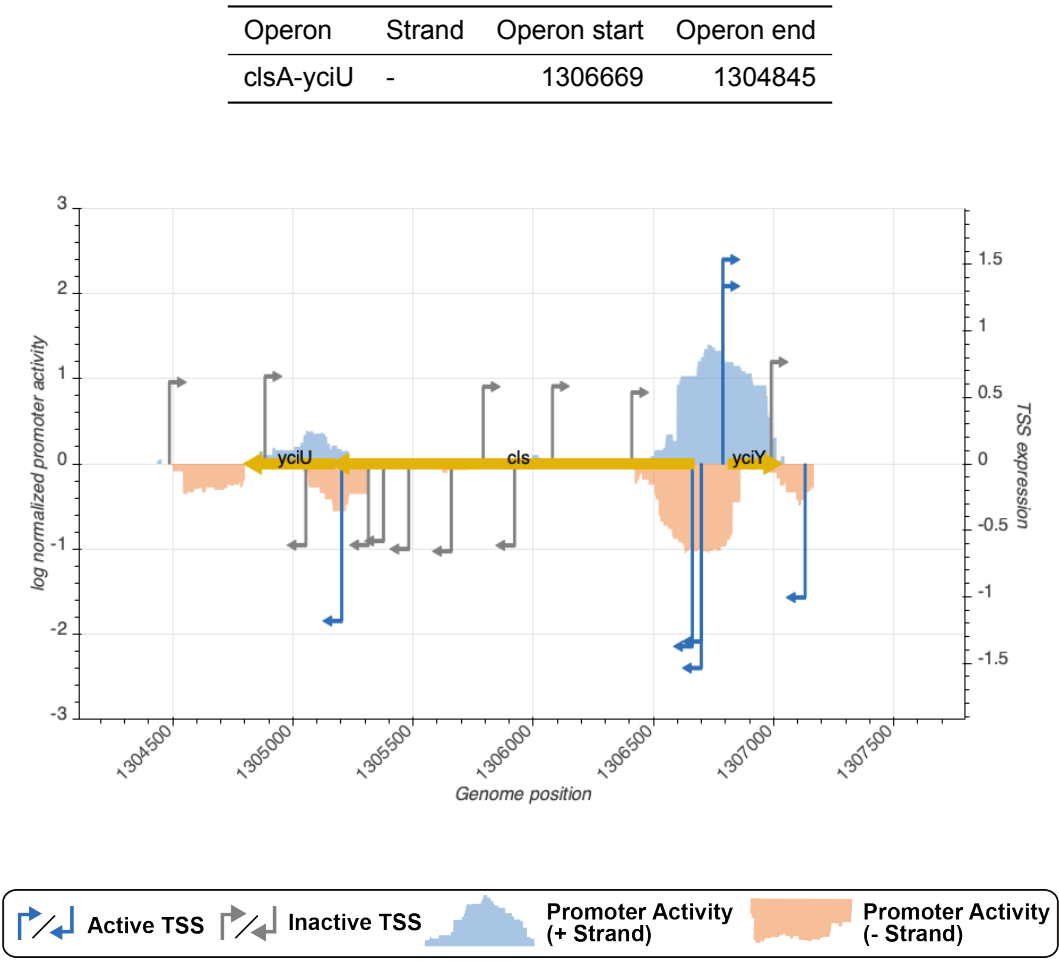


Figure 1: **Promoter activity in rich media (LB) surrounding query operon.** 17,767 previously reported TSSs were evaluated by measuring the promoter activity (right Y-axis) of the 150 bp surrounding the TSS (-120 to +30) to determine which were active or inactive. The genome-wide promoter activity (left Y-axis) was determined by measuring expression of over 300,000 genomic fragments spanning the *E. coli* genome and averaging promoter activity at all nucleotide positions in a strand-specific fashion. Genome coordinates corresponds to *E. coli* genome version U00096.2.

TSS Summary

| TSS name | TSS position | Strand | TSS activity | Category |
|--------------------|--------------|--------|--------------|----------|
| TSS_5146_regulondb | 1306785 | + | 1.5369224 | active |
| TSS_5145_wanner | 1306695 | - | 1.5369224 | active |
| TSS_5147_storz | 1306986 | + | 0.7659024 | inactive |
| TSS_5148_storz | 1307127 | - | 1.0057981 | active |
| TSS_5145_wanner | 1306695 | - | 1.3369992 | active |
| TSS_5146_regulondb | 1306785 | + | 1.3369992 | active |

TSS Scanning Mutagenesis

