

Operon Promoter Landscape

| Operon | Strand | Operon start | Operon end |
|--------|--------|--------------|------------|
| tyrP | + | 1987705 | 1988916 |

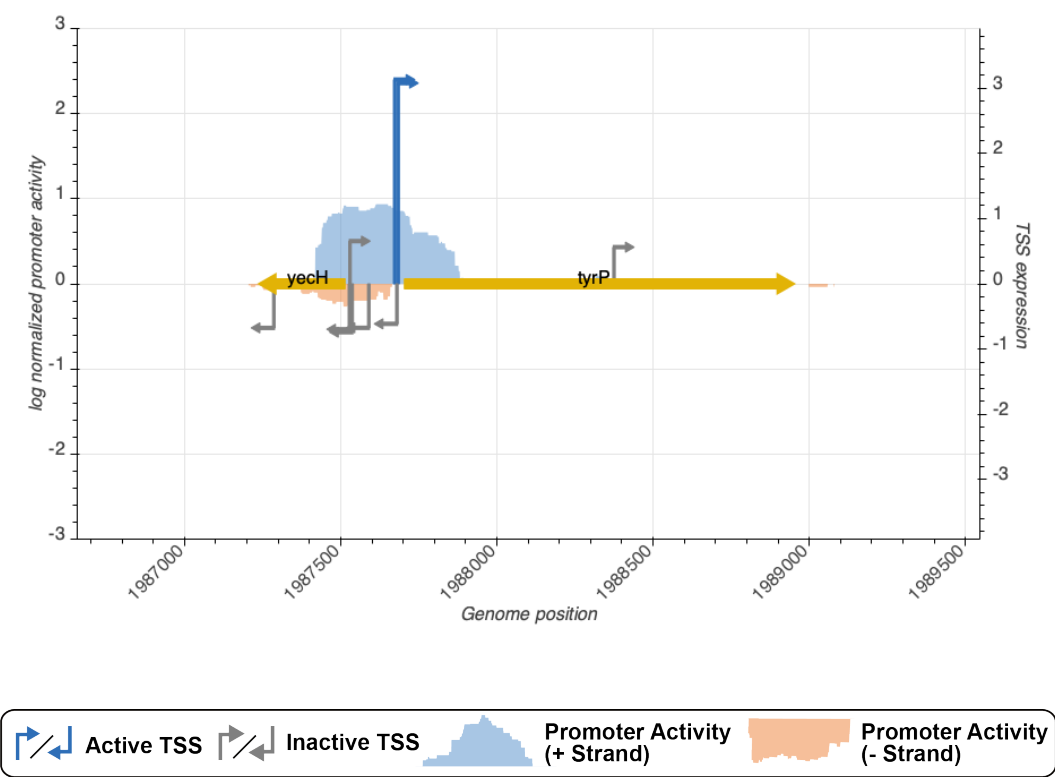


Figure 1: **Promoter activity in rich media (LB) surrounding query operon.** 17,767 previously reported TSSs were evaluated by measuring the promoter activity (right Y-axis) of the 150 bp surrounding the TSS (-120 to +30) to determine which were active or inactive. The genome-wide promoter activity (left 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_7632_storz | 1987282 | - | 0.6758895 | inactive |
| TSS_7636_storz_regulondb | 1987586 | - | 0.6746828 | inactive |
| TSS_7638_regulondb | 1987676 | - | 0.6139024 | inactive |
| TSS_7635_storz | 1987533 | - | 0.7421594 | inactive |
| TSS_7633_wanner | 1987524 | - | 0.6968530 | inactive |
| TSS_7639_wanner | 1987680 | + | 3.0795048 | active |
| TSS_7634_regulondb | 1987526 | + | 0.6551851 | inactive |
| TSS_7637_regulondb | 1987669 | + | 3.1338897 | active |

TSS Scanning Mutagenesis

