

Operon Promoter Landscape

| Operon | Strand | Operon start | Operon end |
|--------|--------|--------------|------------|
| fldB   | +      | 3037877      | 3038398    |

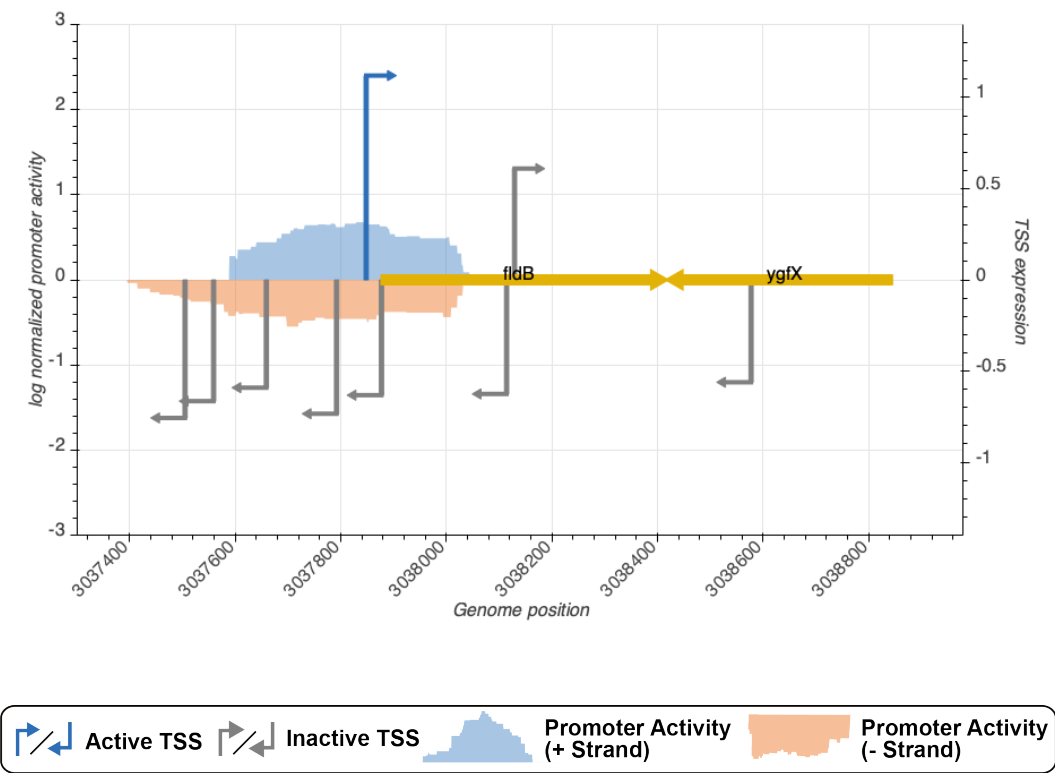


Figure 1: **Promoter activity in rich media (LB) surrounding query operon.** 17,767 previously reported TSSs were evaluated by measuring the promoter activity (right Y-axis) of the 150 bp surrounding the TSS (-120 to +30) to determine which were active or inactive. The genome-wide promoter activity (left 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_11460_regulondb       | 3037655      | -      | 0.5914366    | inactive |
| TSS_11463_storz_regulondb | 3037873      | -      | 0.6326086    | inactive |
| TSS_11458_storz           | 3037501      | -      | 0.7572683    | inactive |
| TSS_11462_regulondb       | 3037844      | +      | 1.1199691    | active   |
| TSS_11459_storz           | 3037555      | -      | 0.6652528    | inactive |
| TSS_11461_regulondb       | 3037788      | -      | 0.7343692    | inactive |

TSS Scanning Mutagenesis

