

Operon Promoter Landscape

| Operon              | Strand | Operon start | Operon end |
|---------------------|--------|--------------|------------|
| ycgZ-ymgA-ariR-ymgC | +      | 1215012      | 1216219    |

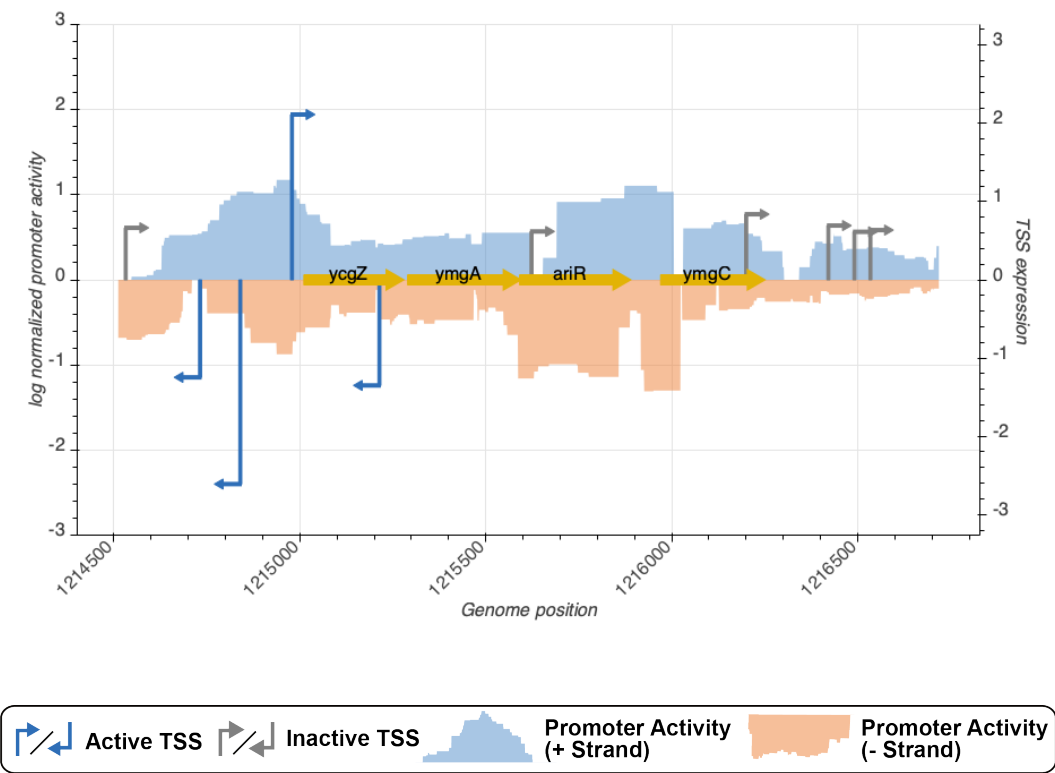


Figure 1: **Promoter activity in rich media (LB) surrounding query operon.** 17,767 previously reported TSSs were evaluated by measuring the promoter activity (right Y-axis) of the 150 bp surrounding the TSS (-120 to +30) to determine which were active or inactive. The genome-wide promoter activity (left 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_4702_storz     | 1214528      | +      | 0.6652528    | inactive |
| TSS_4703_storz     | 1214728      | -      | 1.2467876    | active   |
| TSS_4705_regulondb | 1214975      | +      | 2.1135329    | active   |
| TSS_4704_regulondb | 1214836      | -      | 2.6112942    | active   |

TSS Scanning Mutagenesis

