

| Operon | Strand | Operon start | Operon end |
|--------|--------|--------------|------------|
| pykF   | +      | 1753722      | 1755134    |

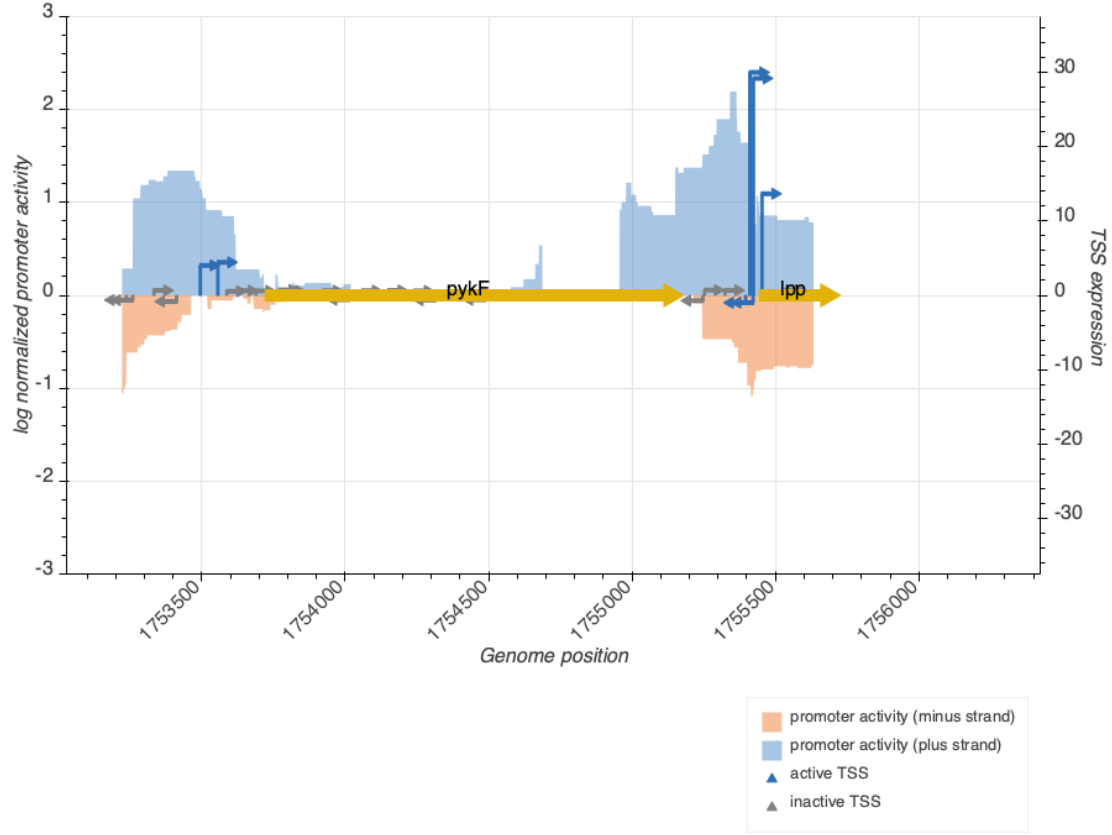


Figure 1: Figure 1: Promoter activity surrounding query operon.

| TSS name                 | TSS position | Strand | TSS activity | Category |
|--------------------------|--------------|--------|--------------|----------|
| TSS_6736_regulondb       | 1753685      | +      | 0.6020523    | inactive |
| TSS_6734_regulondb       | 1753583      | +      | 0.5393663    | inactive |
| TSS_6732_regulondb       | 1753491      | +      | 4.0235515    | active   |
| TSS_6735_storz_regulondb | 1753624      | +      | 0.6318907    | inactive |
| TSS_6731_storz           | 1753408      | -      | 0.8313741    | inactive |
| TSS_6729_storz           | 1753255      | -      | 0.6481360    | inactive |
| TSS_6728_regulondb       | 1753233      | -      | 0.6318907    | inactive |
| TSS_6733_regulondb       | 1753552      | +      | 4.4418593    | active   |
| TSS_6730_storz           | 1753329      | +      | 0.6620975    | inactive |

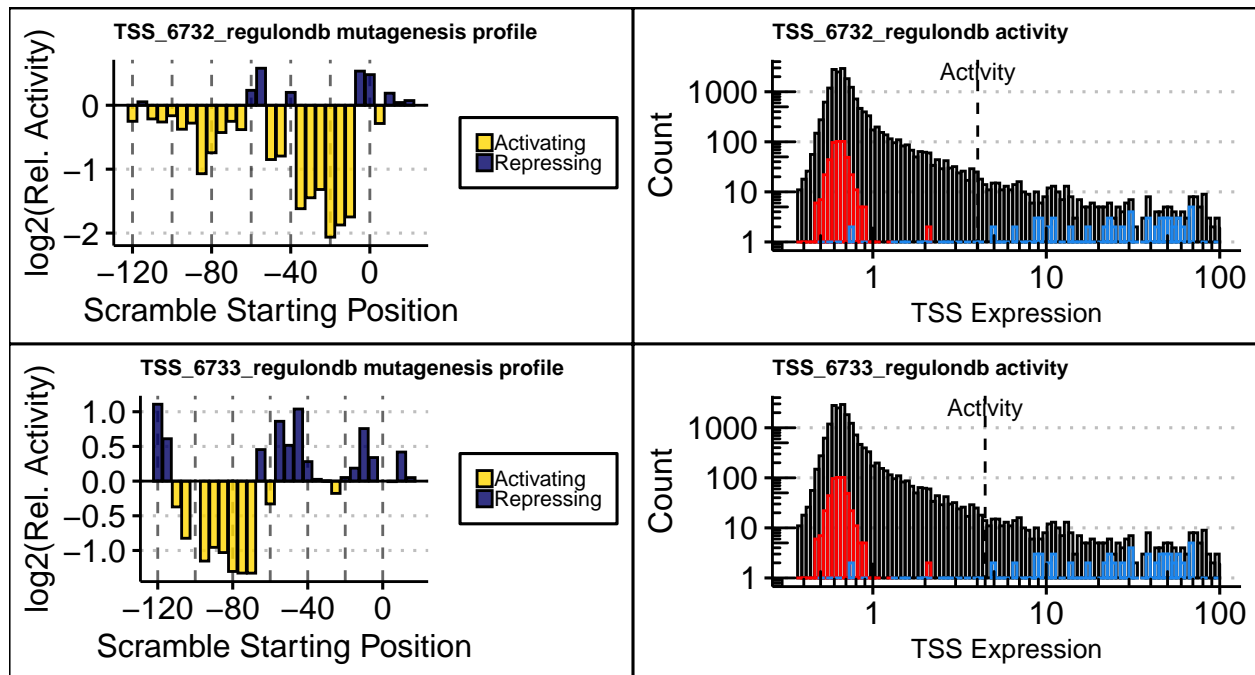


Figure 2: Figure 2: (Left) Mutagenesis profile(s) of active TSSs. (Right) TSS expression relative to the distribution of expression levels for all tested TSSs. TSSs were integrated into the *nth-ydgR* intergenic locus for quantification.