

| Operon | Strand | Operon start | Operon end |
|--------|--------|--------------|------------|
| msrA   | -      | 4440199      | 4439561    |

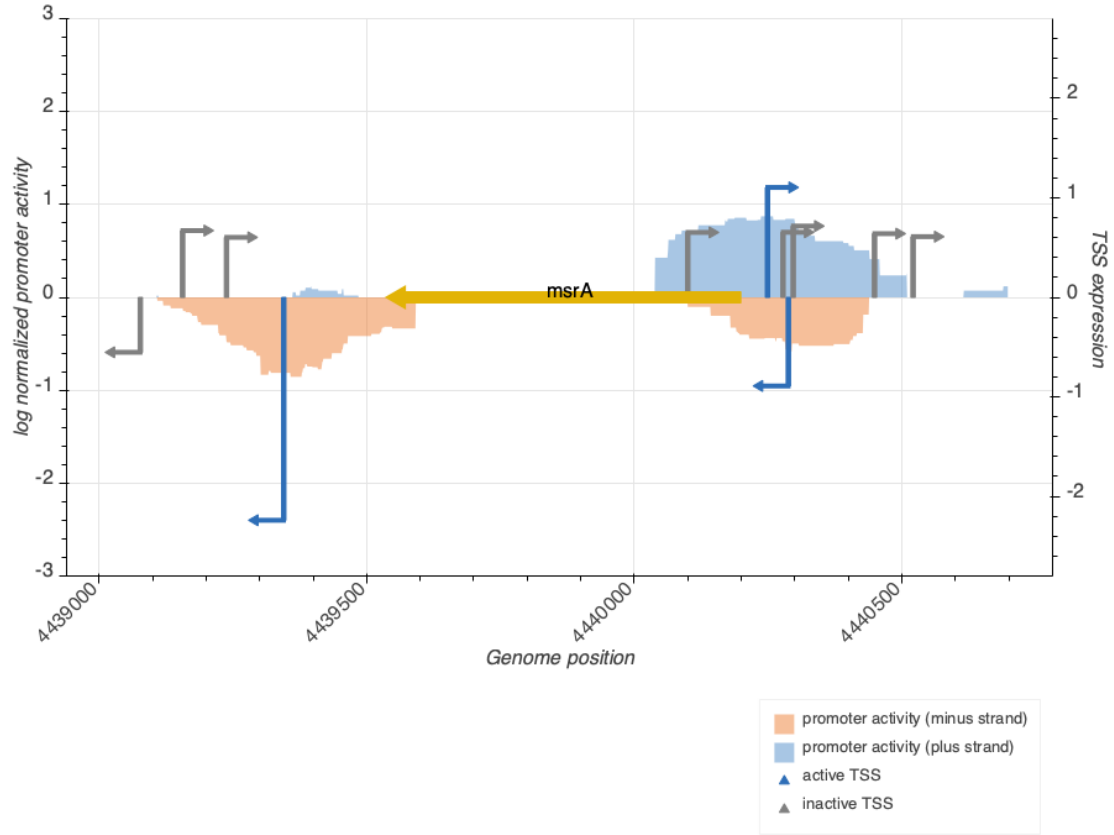


Figure 1: Figure 1: Promoter activity surrounding query operon.

| TSS name                  | TSS position | Strand | TSS activity | Category |
|---------------------------|--------------|--------|--------------|----------|
| TSS_17373_regulondb       | 4440284      | -      | 0.8902736    | active   |
| TSS_17371_storz           | 4440245      | +      | 1.1045639    | active   |
| TSS_17376_storz           | 4440517      | +      | 0.6096577    | inactive |
| TSS_17372_storz_regulondb | 4440274      | +      | 0.6536565    | inactive |
| TSS_17375_storz           | 4440445      | +      | 0.6398078    | inactive |
| TSS_17374_regulondb       | 4440293      | +      | 0.7159817    | inactive |

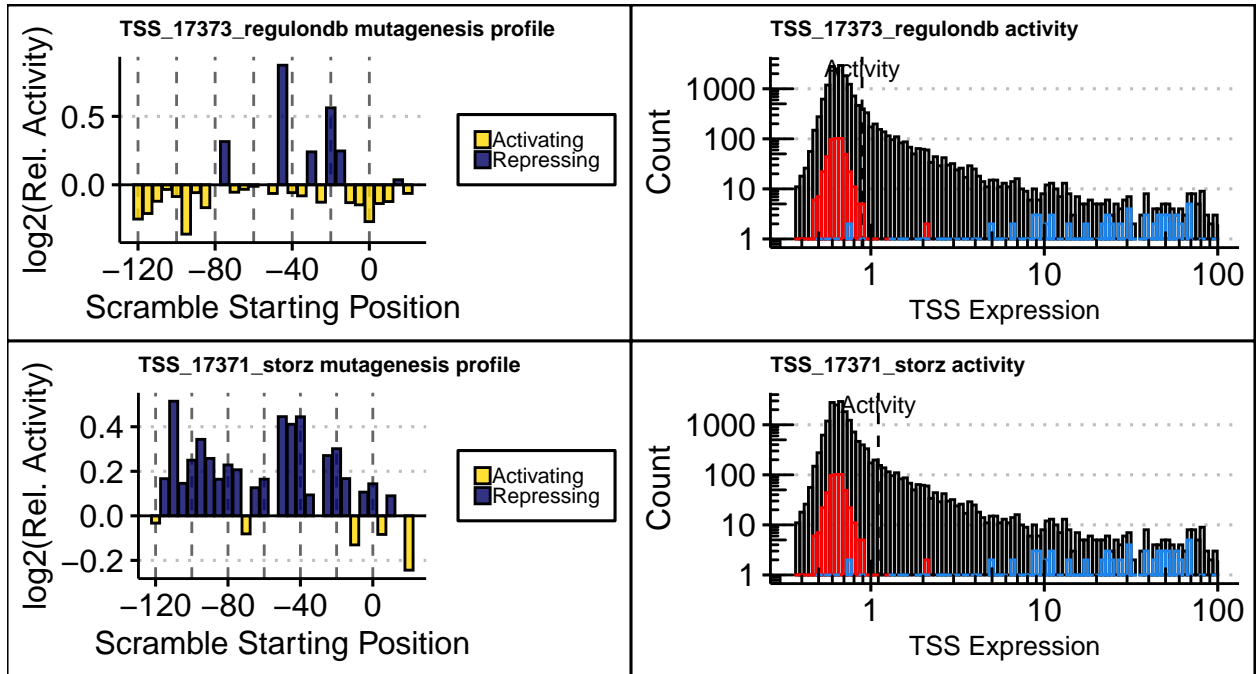


Figure 2: Figure 2: (Left) Mutagenesis profile(s) of active TSSs. (Right) TSS expression relative to the distribution of expression levels for all tested TSSs. TSSs were integrated into the *nth-ydgR* intergenic locus for quantification.