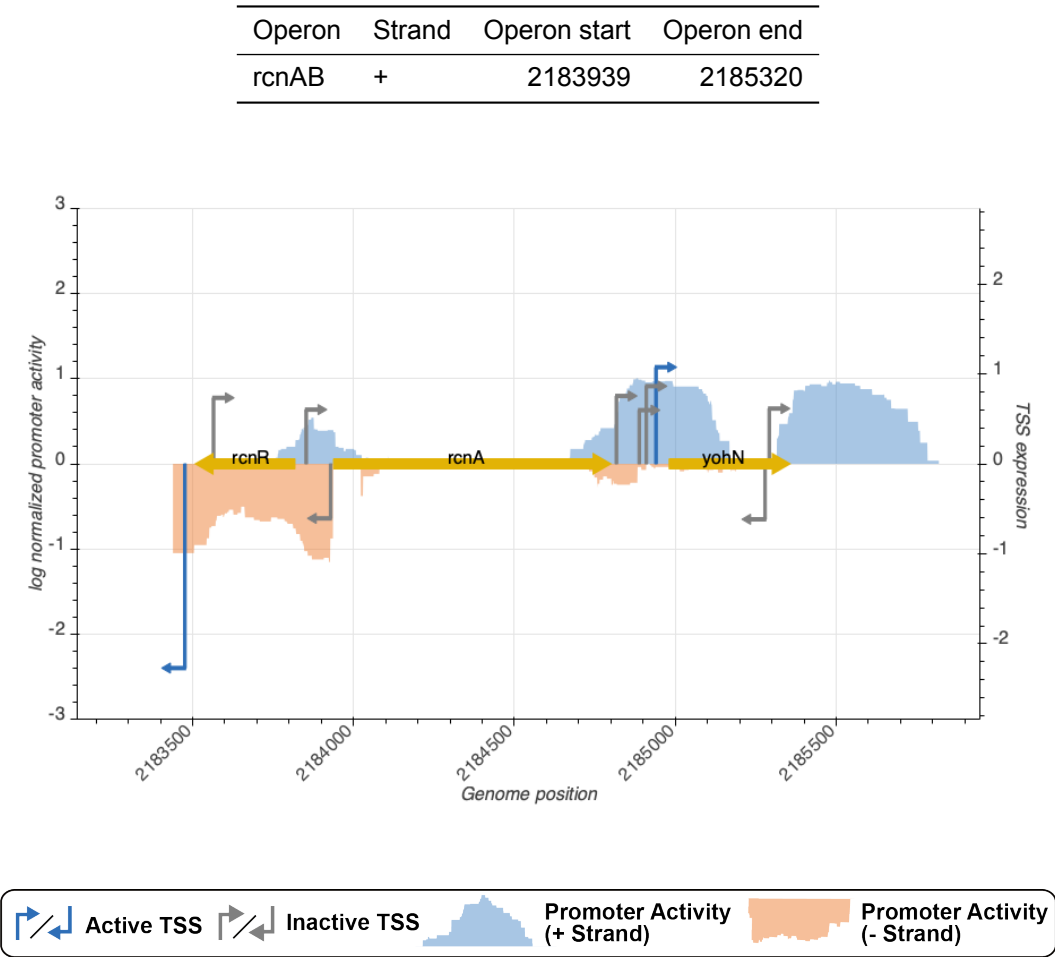


Operon Promoter Landscape



TSS Summary

TSS name	TSS position	Strand	TSS activity	Category
TSS_8331_storz	2183561	+	0.7330760	inactive
TSS_8333_regulondb	2183849	+	0.6025362	inactive
TSS_8330_wanner	2183472	-	2.2694893	active
TSS_8335_regulondb	2183925	-	0.6060483	inactive

TSS Scanning Mutagenesis

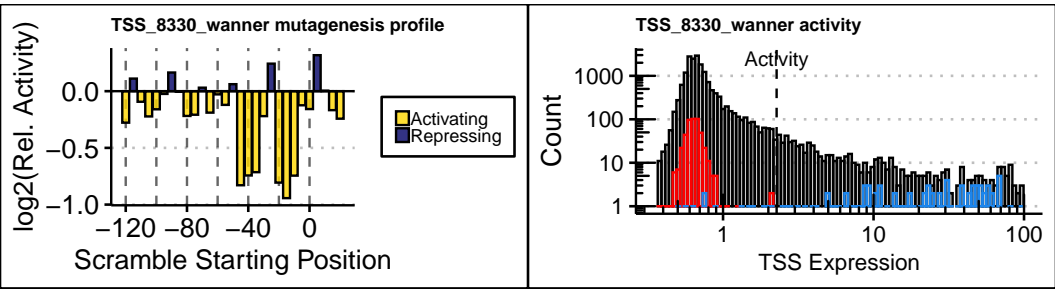


Figure 2: **(Left)** Mutagenesis profile(s) of active TSS(s). Sequences surrounding active TSSs were systematically mutated to identify regions controlling expression. Bar height indicates the relative change in promoter activity as a result of scrambling nucleotides within 10 bp regions at 5 bp intervals spanning the promoter. Bar color identifies the region as a putative activator (yellow) or repressor (purple). **(Right)** Dashed line indicates the expression of the indicated TSS relative to all tested TSS sequences. The distributions of expression is shown for all tested TSSs (black), 500 negative controls (red), and a set of constitutive promoters from the BioBrick registry (blue).