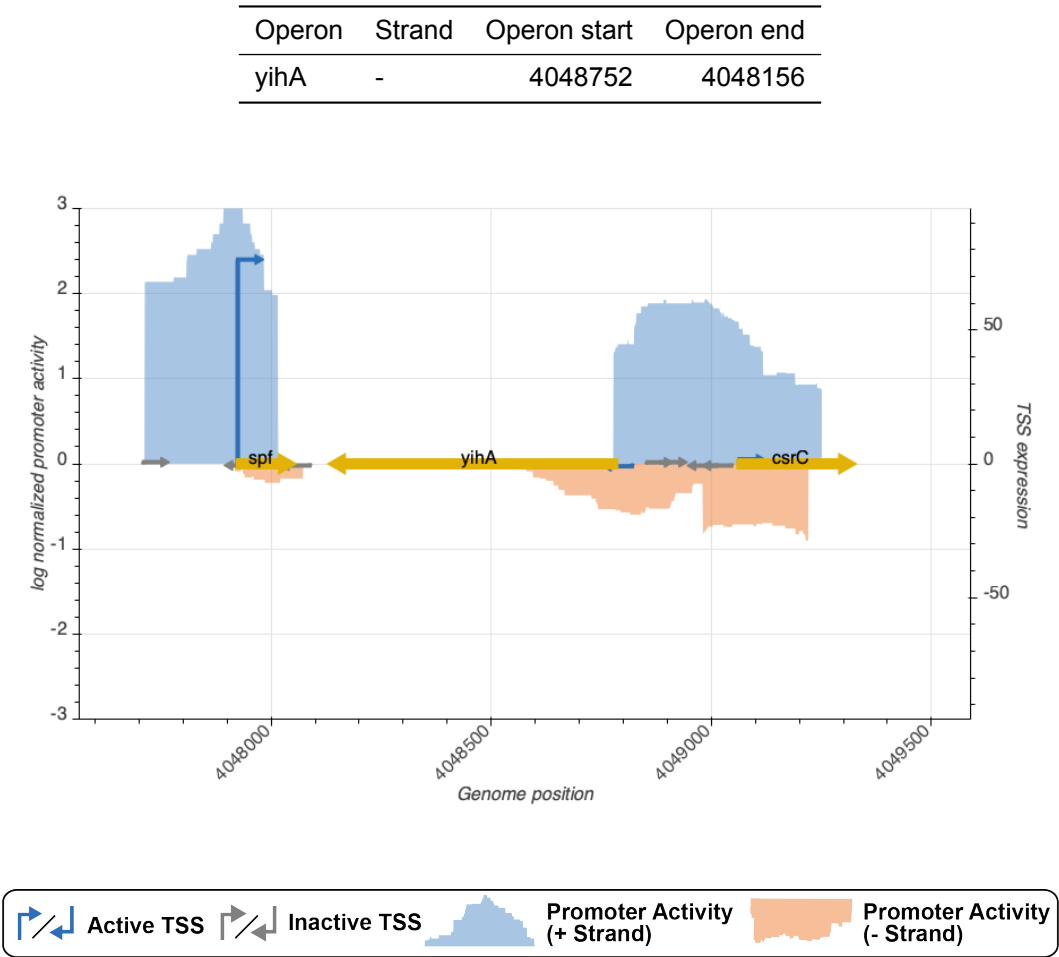


Operon Promoter Landscape



TSS Summary

TSS name	TSS position	Strand	TSS activity	Category
TSS_15784_wanner	4048850	+	0.5527424	inactive
TSS_15785_storz	4048883	+	0.6107506	inactive
TSS_15788_storz_regulondb	4049059	+	1.6957571	active
TSS_15787_storz	4049042	-	0.6524152	inactive
TSS_15786_regulondb	4049008	-	0.6755228	inactive
TSS_15783_wanner	4048816	-	0.9079485	active

TSS Scanning Mutagenesis

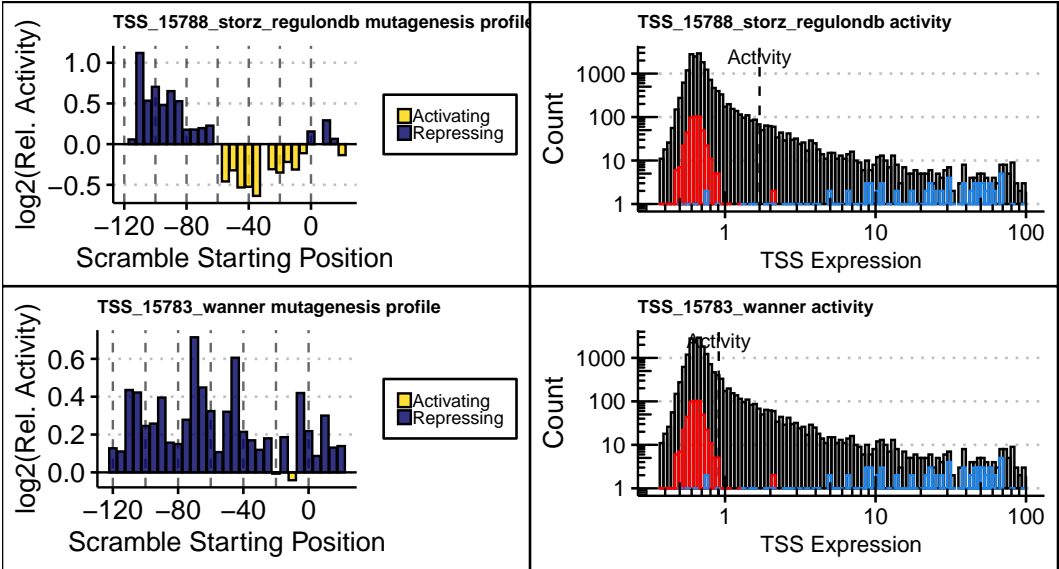


Figure 2: **(Left)** Mutagenesis profile(s) of active TSS(s). Sequences surrounding active TSSs were systematically mutated to identify regions controlling expression. Bar height indicates the relative change in promoter activity as a result of scrambling nucleotides within 10 bp regions at 5 bp intervals 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).