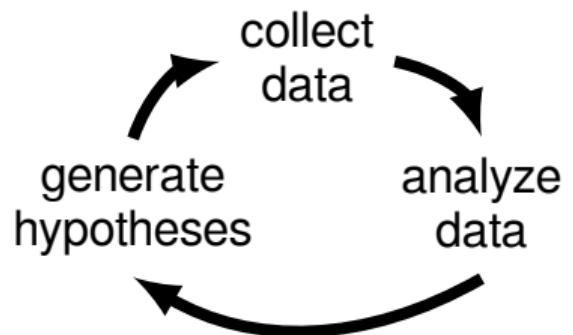
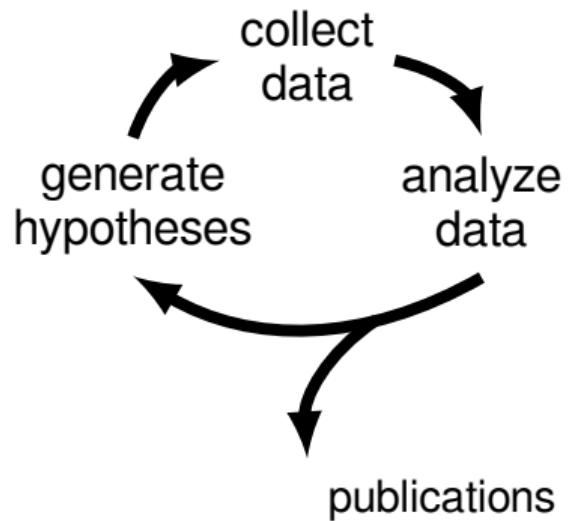


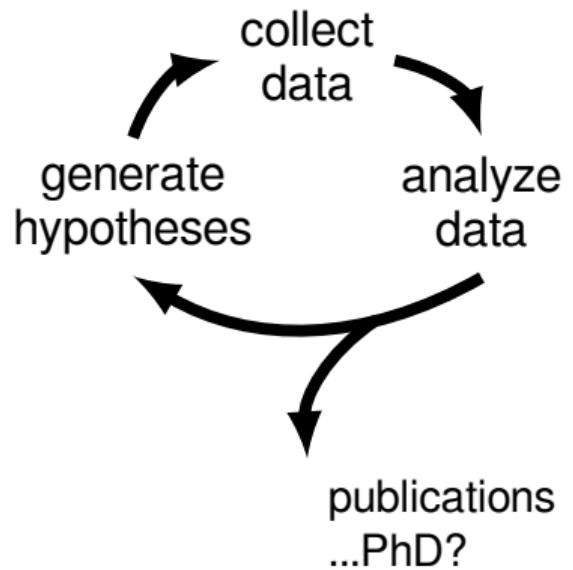
Genomic analyses of transcription elongation factors and intragenic transcription

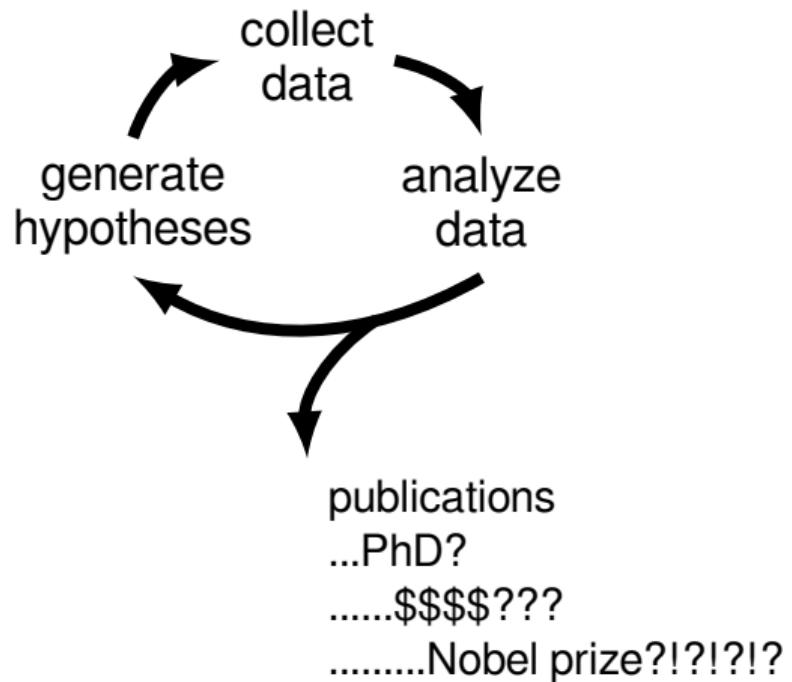
James Chuang

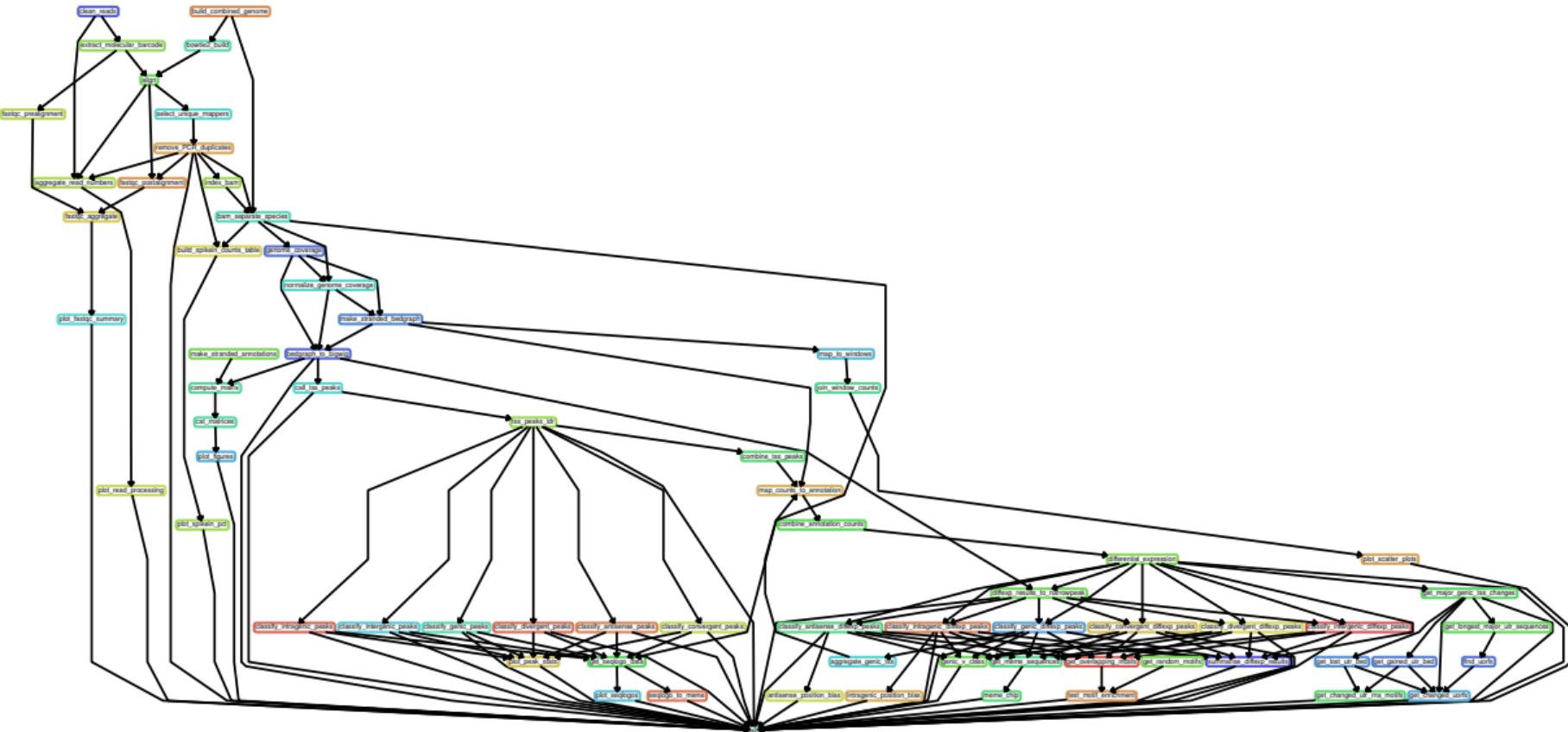
June 19, 2019

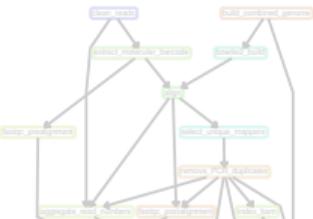






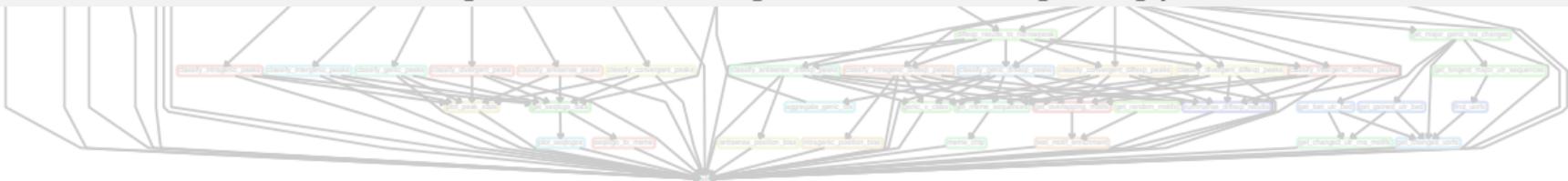


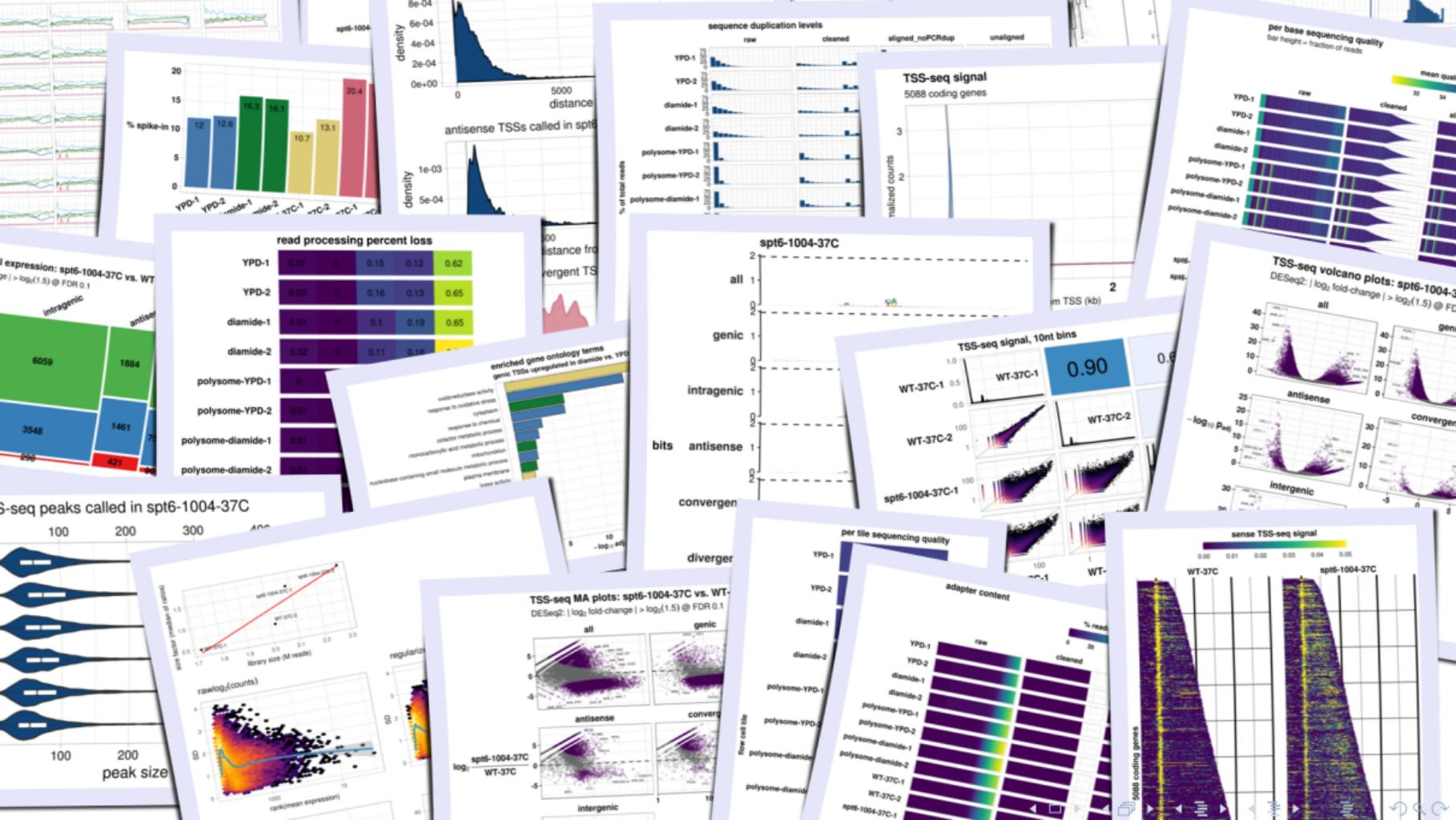




an example Snakemake rule:

```
rule foobar:  
    input: 'input.txt'  
    output: 'output.txt'  
    params: species='cerevisiae'  
    conda: 'environment.yaml'  
    script: 'turn_input_into_output.py'
```





September 7, 2018

Journal article

Open Access

Spt6 is required for the fidelity of promoter selection

Doris, Stephen M.; Chuang, James; Viktorovskaya, Olga; Murawska, Magdalena; Spatt, Dan; Churchman, L. Stirling; Winston, Fred

Contact person(s)

Winston, Fred

Data collector(s)

Spatt, Dan

Data manager(s)

Chuang, James

Other(s)

Churchman, L. Stirling

Researcher(s)

Doris, Stephen M.; Viktorovskaya, Olga; Murawska, Magdalena

All data analyses supporting our publication "Spt6 is required for the fidelity of promoter selection". Reproduce the figures of the paper starting from raw data, as well as thousands of figures and analyses that aren't shown.

See README.md for instructions.

For updated versions of the pipelines used, see our [github page](#).

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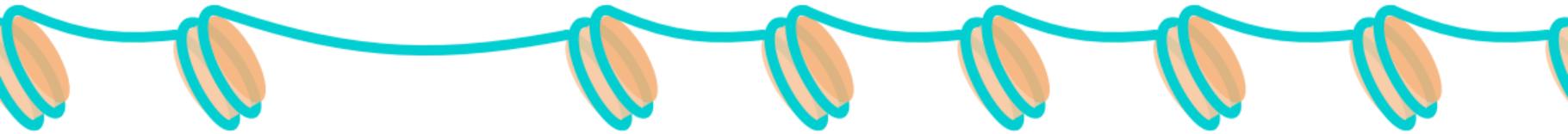
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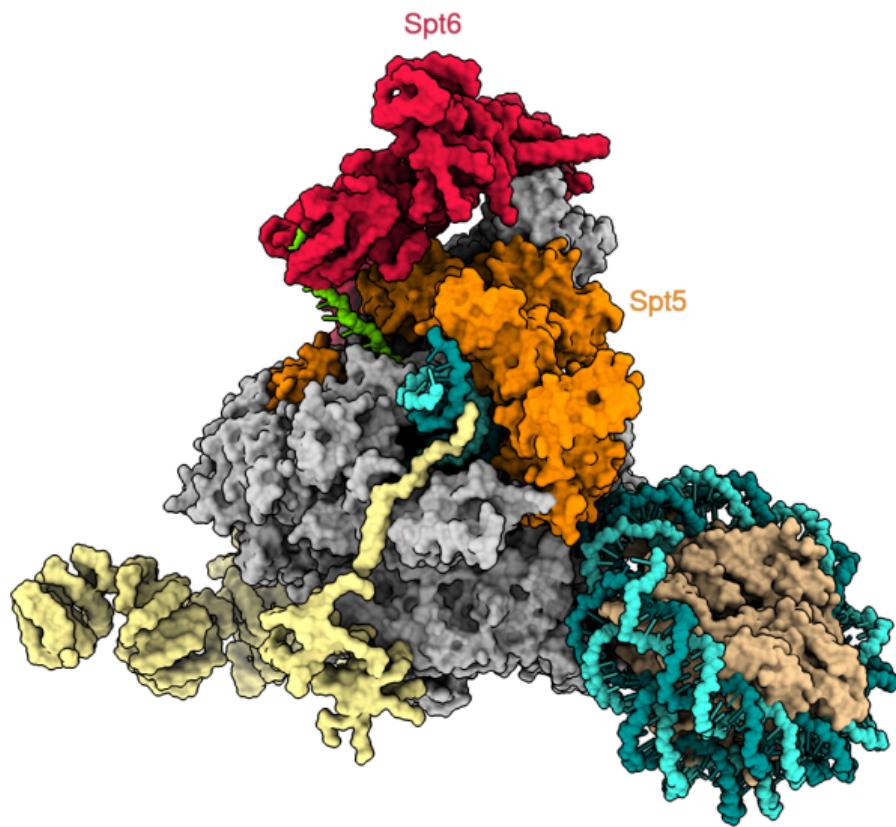
Spt6 transcription chromatin genomics
intragenic transcription TSS-seq ChIP-nexus NET-seq
MNase-seq

Published in:

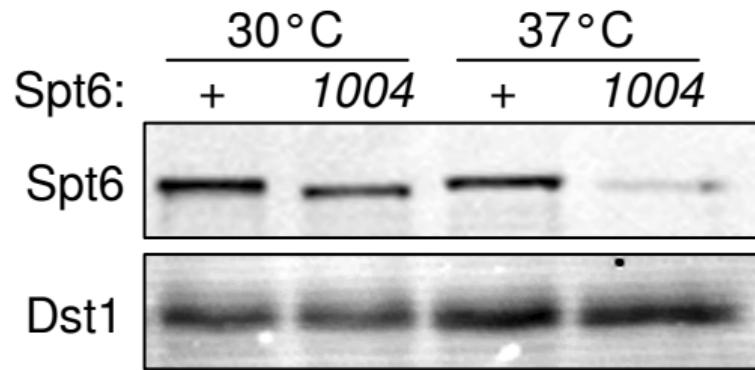


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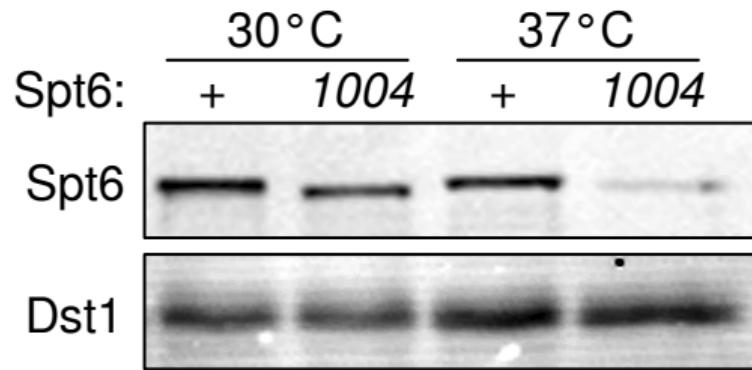


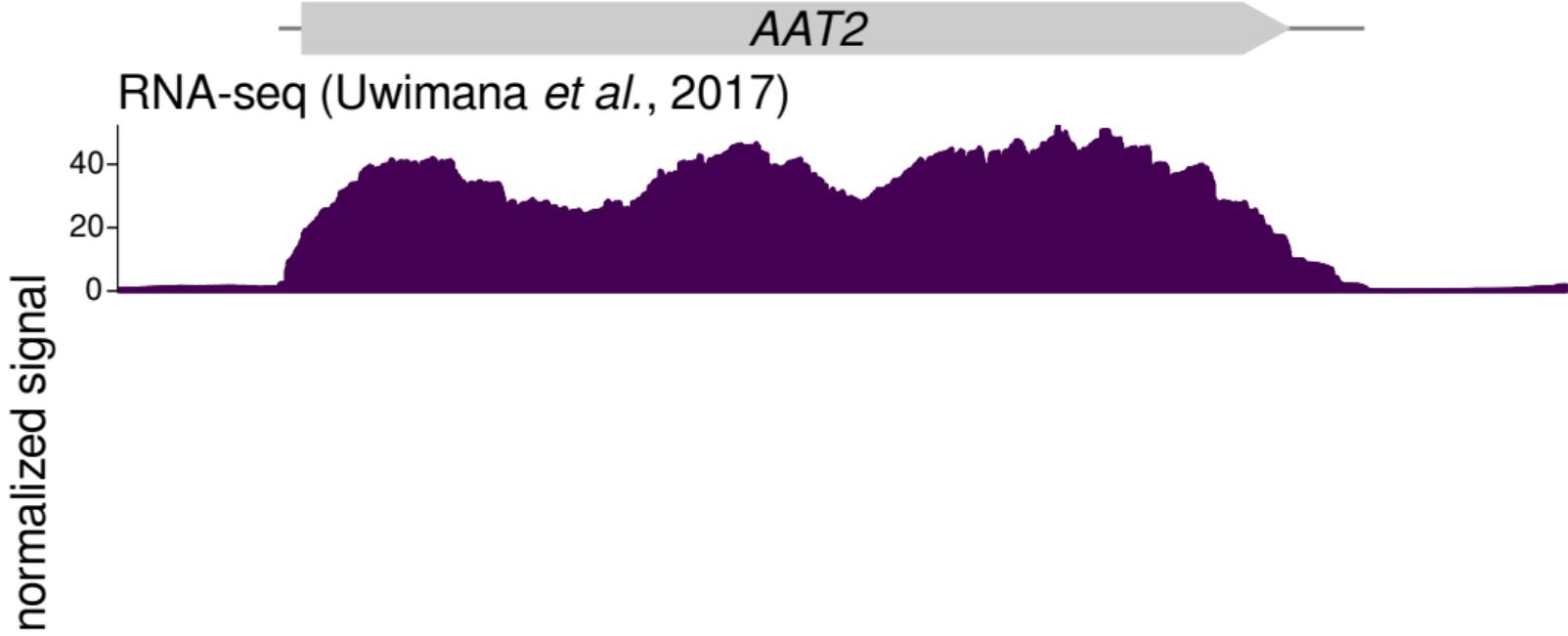


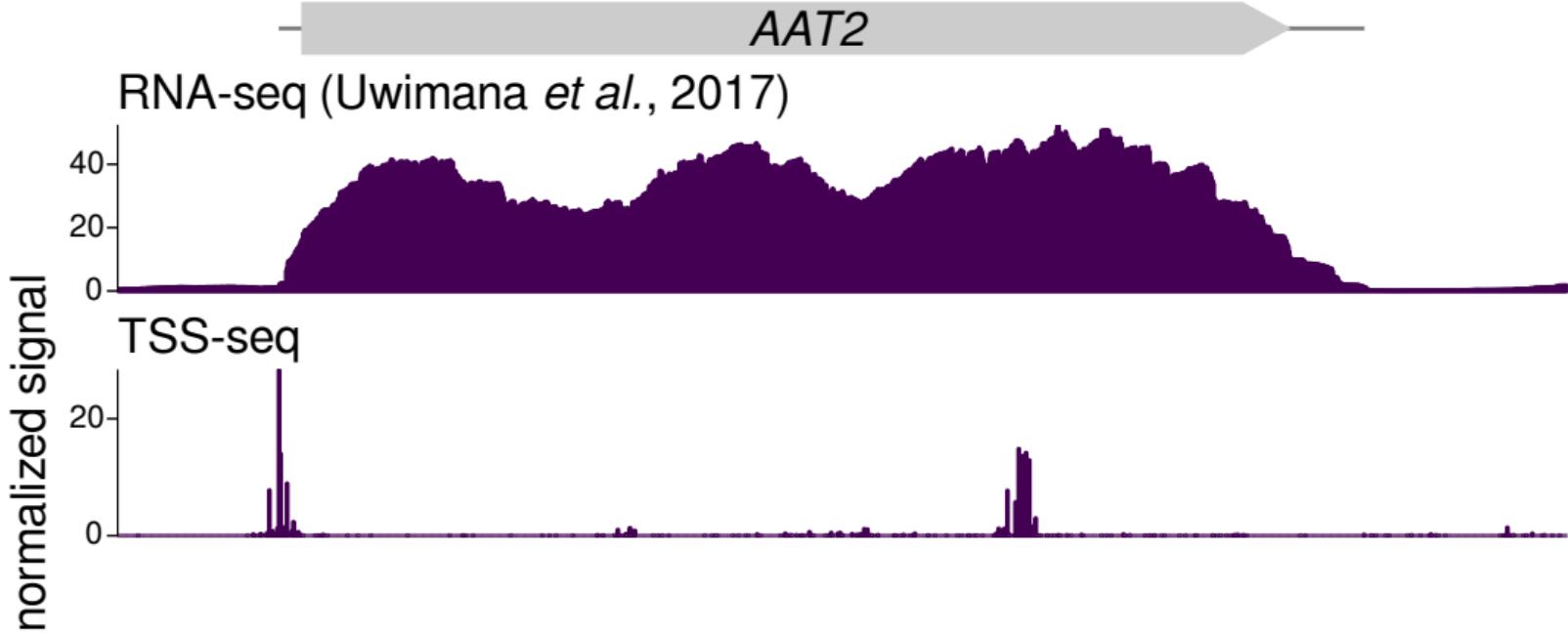
The *spt6-1004* mutant expresses intragenic transcripts

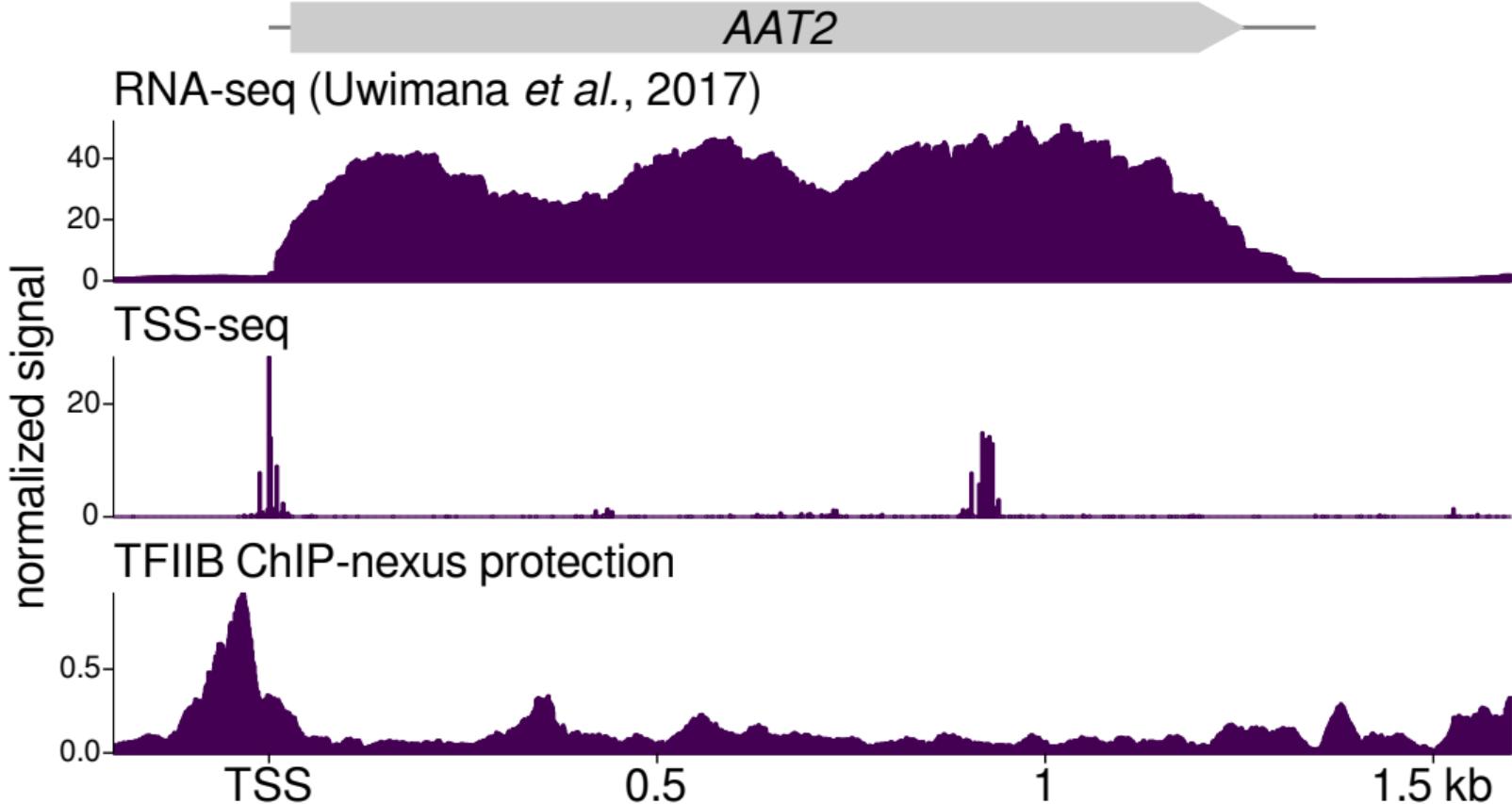


The *spt6-1004* mutant expresses intragenic transcripts

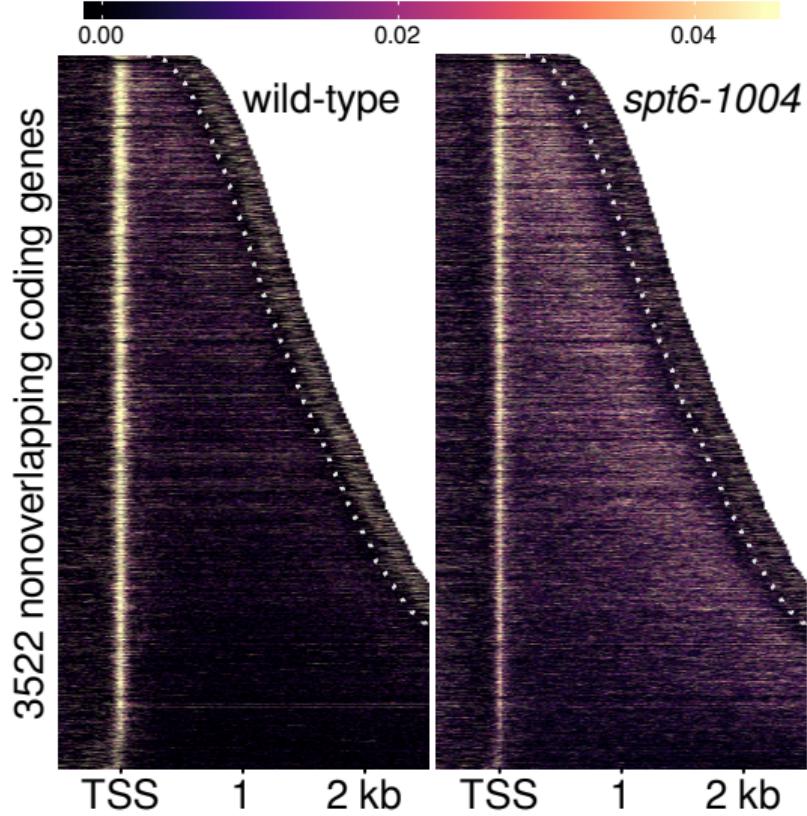


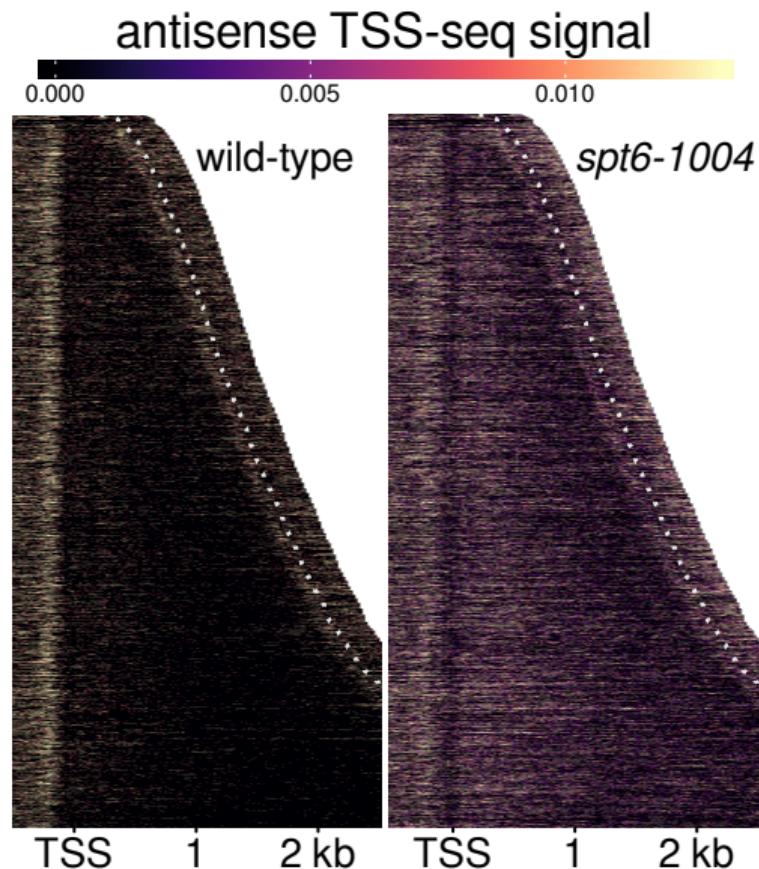
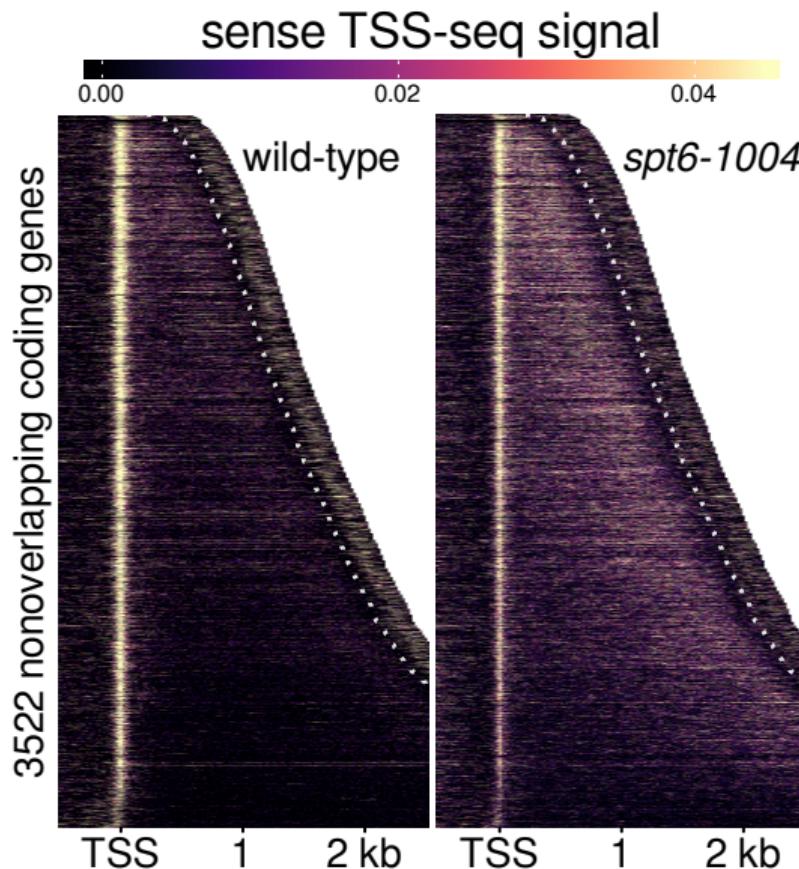




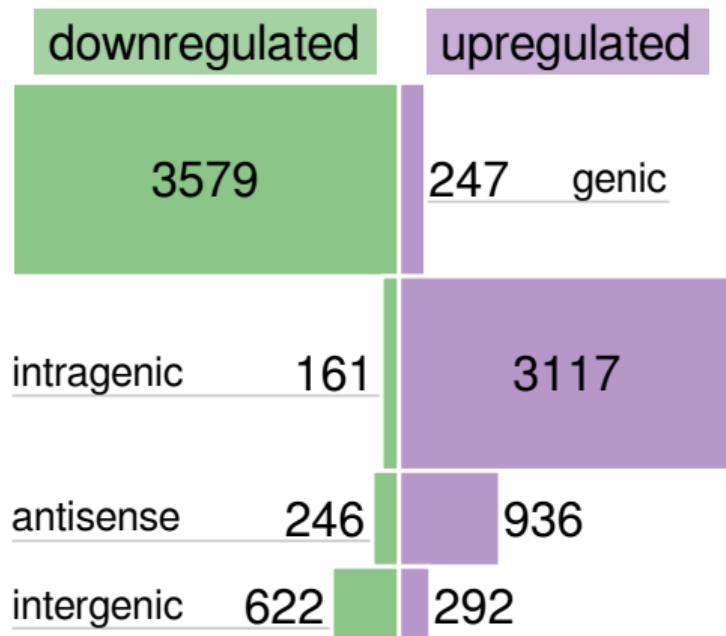


sense TSS-seq signal

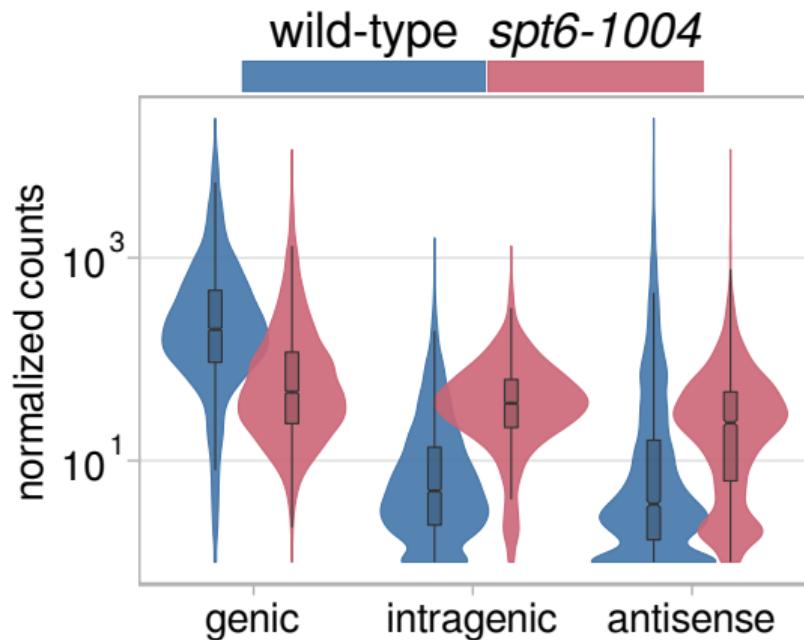
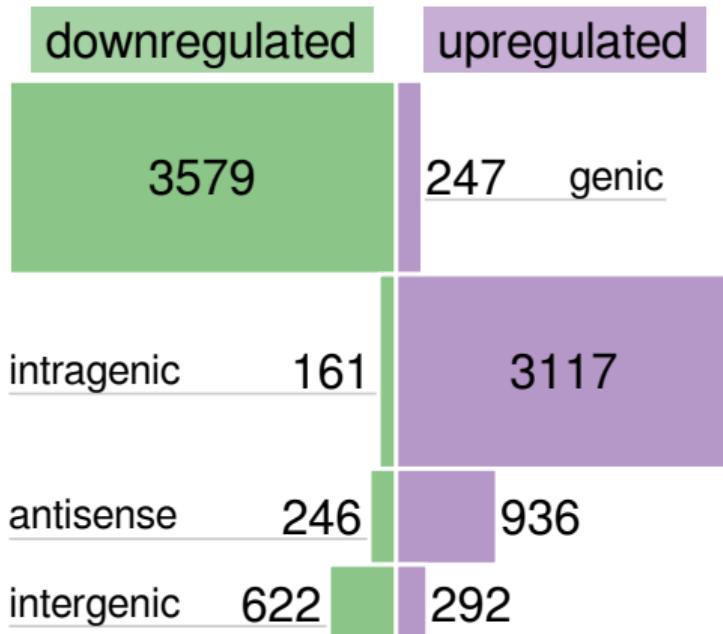




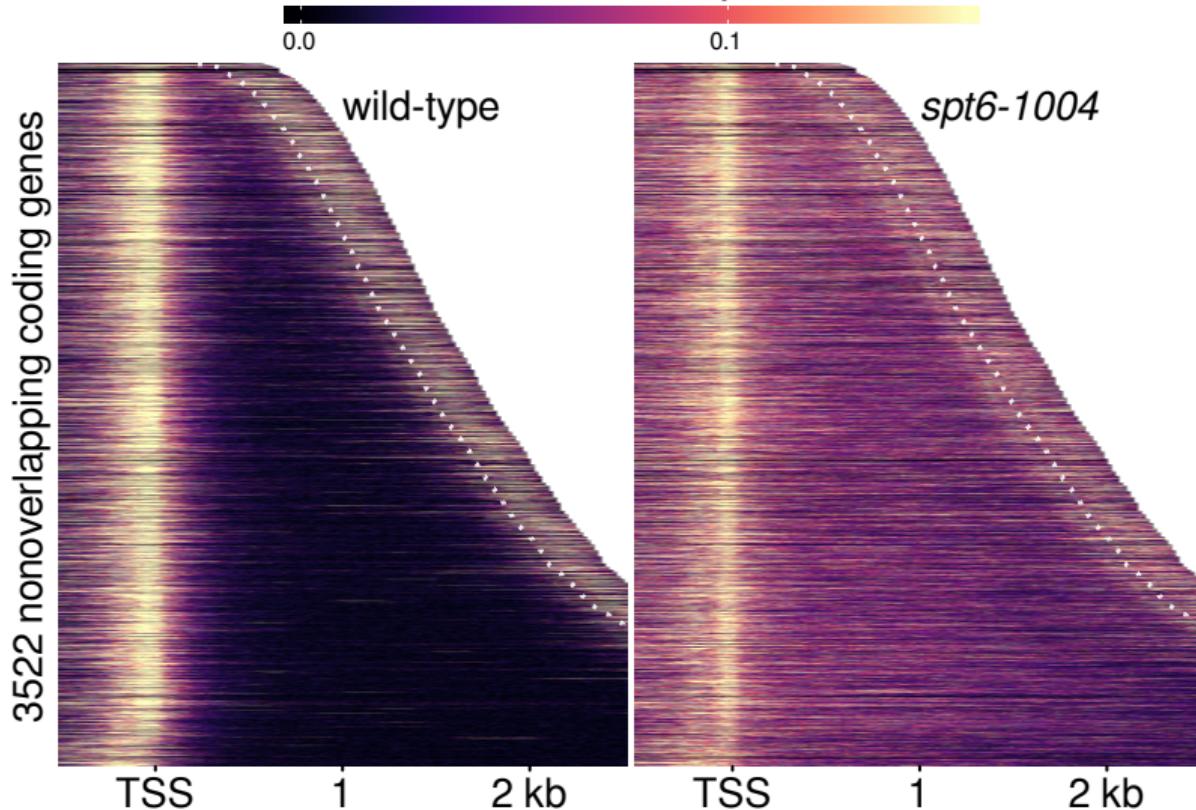
Downregulation of genic TSSs in *spt6-1004*:



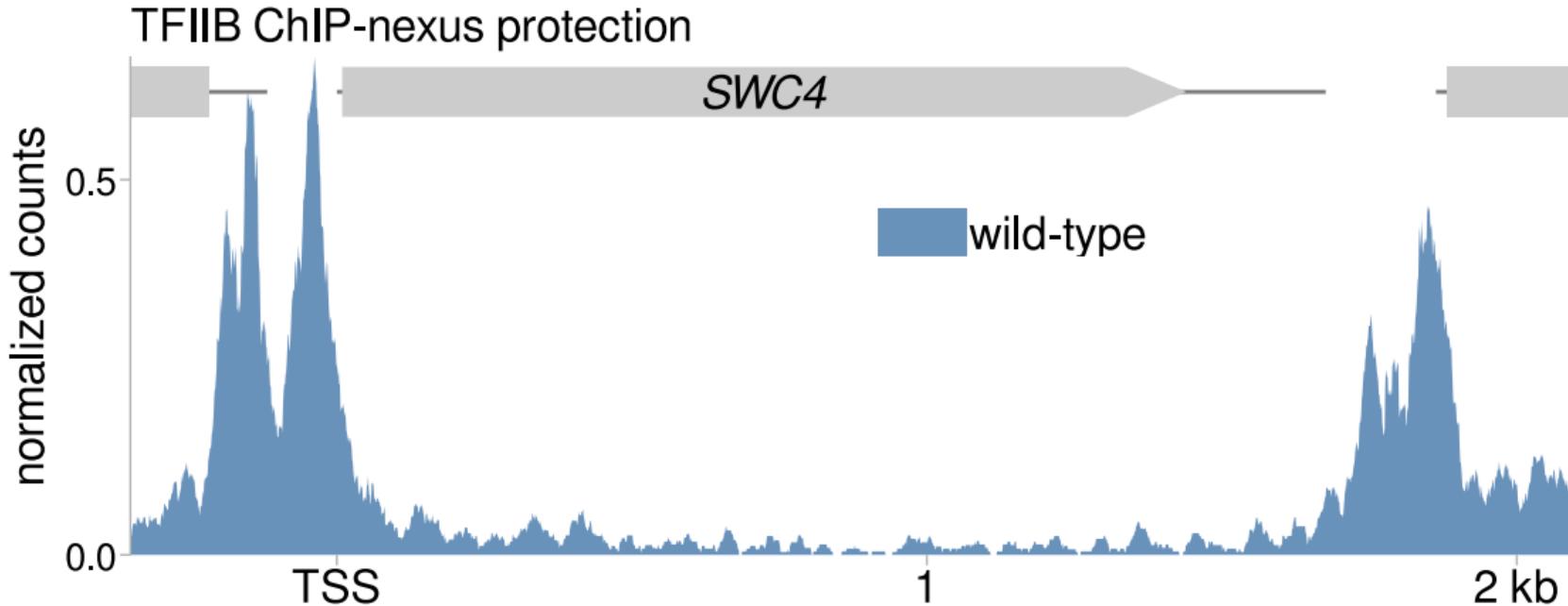
Downregulation of genic TSSs in *spt6-1004*:



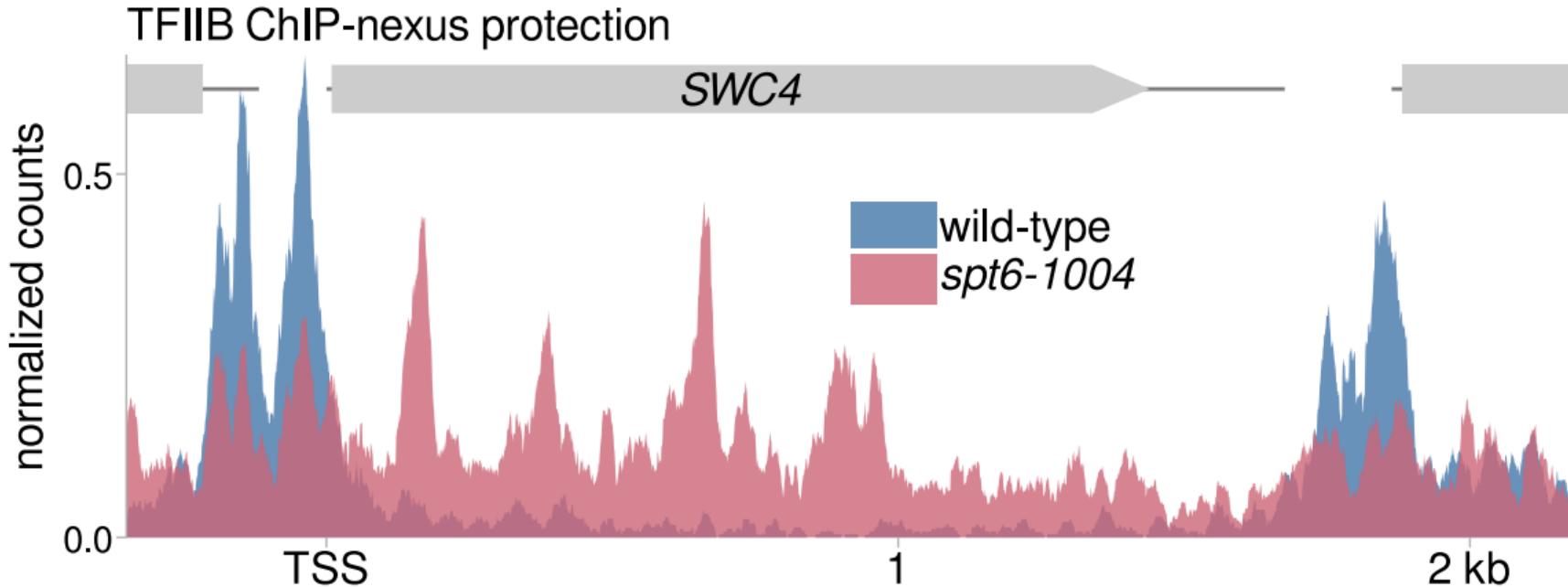
TFIIB ChIP-nexus protection



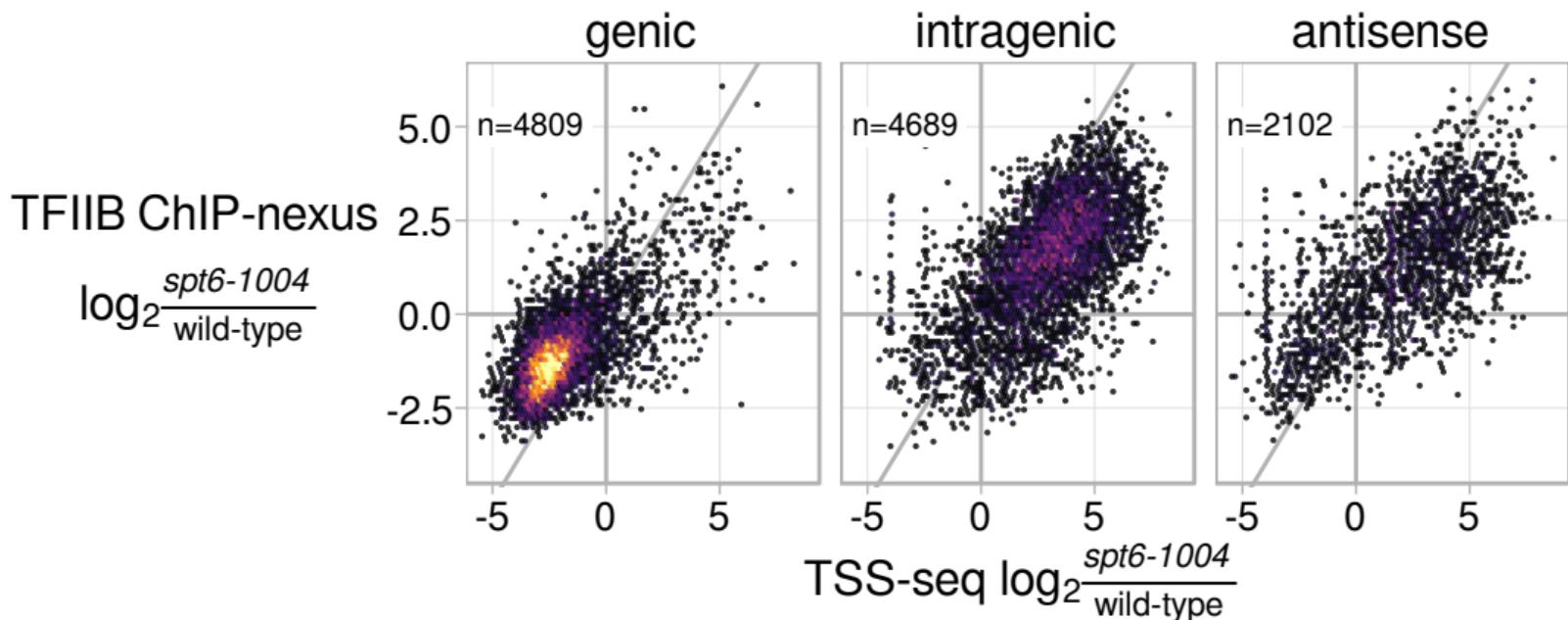
TFIIB binding changes dramatically in *spt6-1004*:



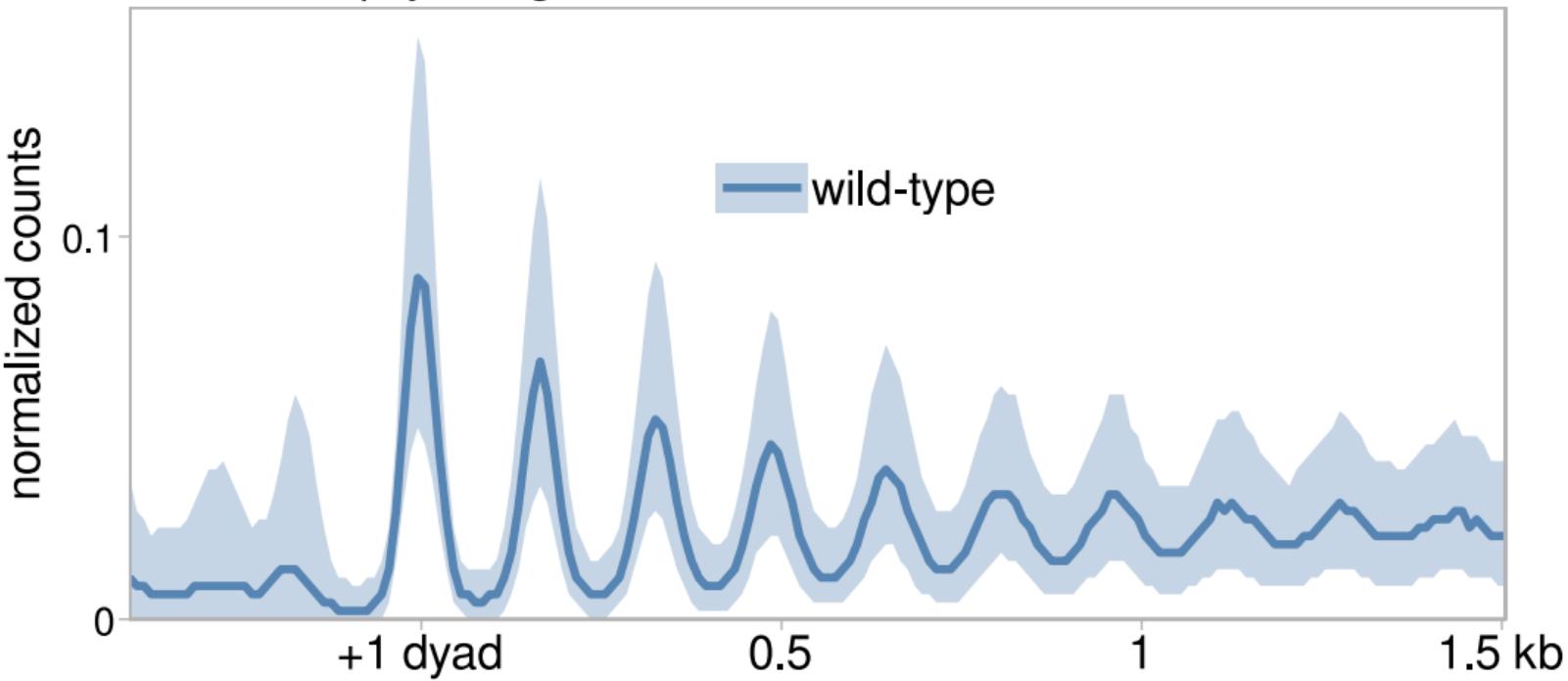
TFIIB binding changes dramatically in *spt6-1004*:



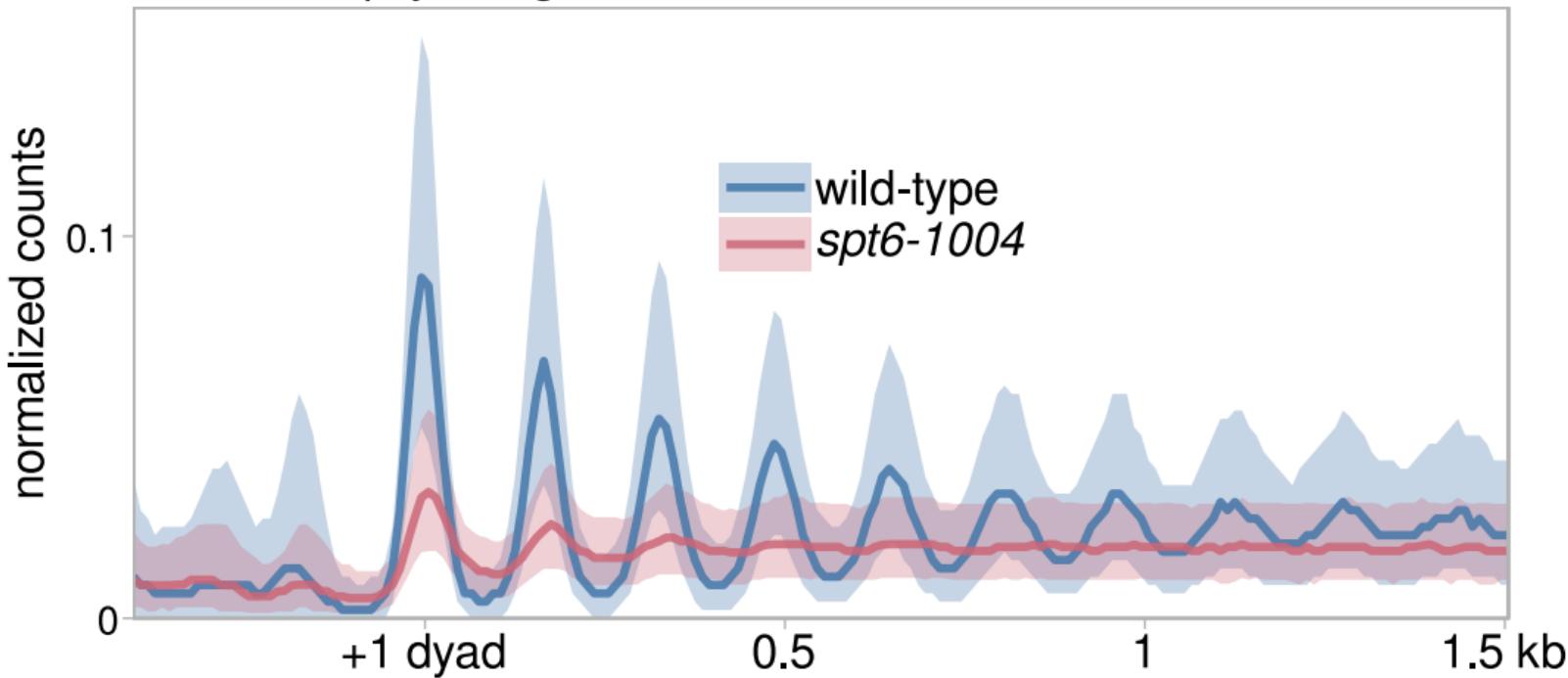
new intragenic initiation explains most intragenic transcripts



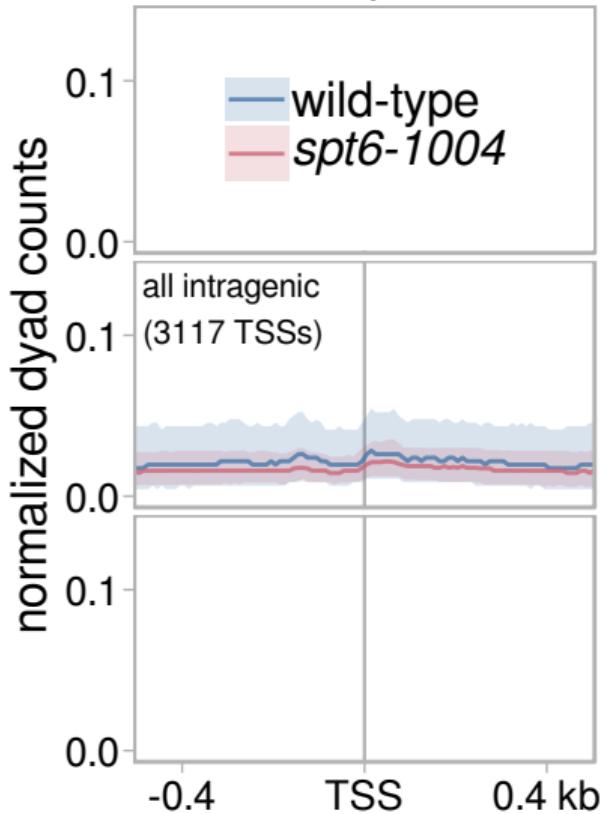
MNase-seq dyad signal



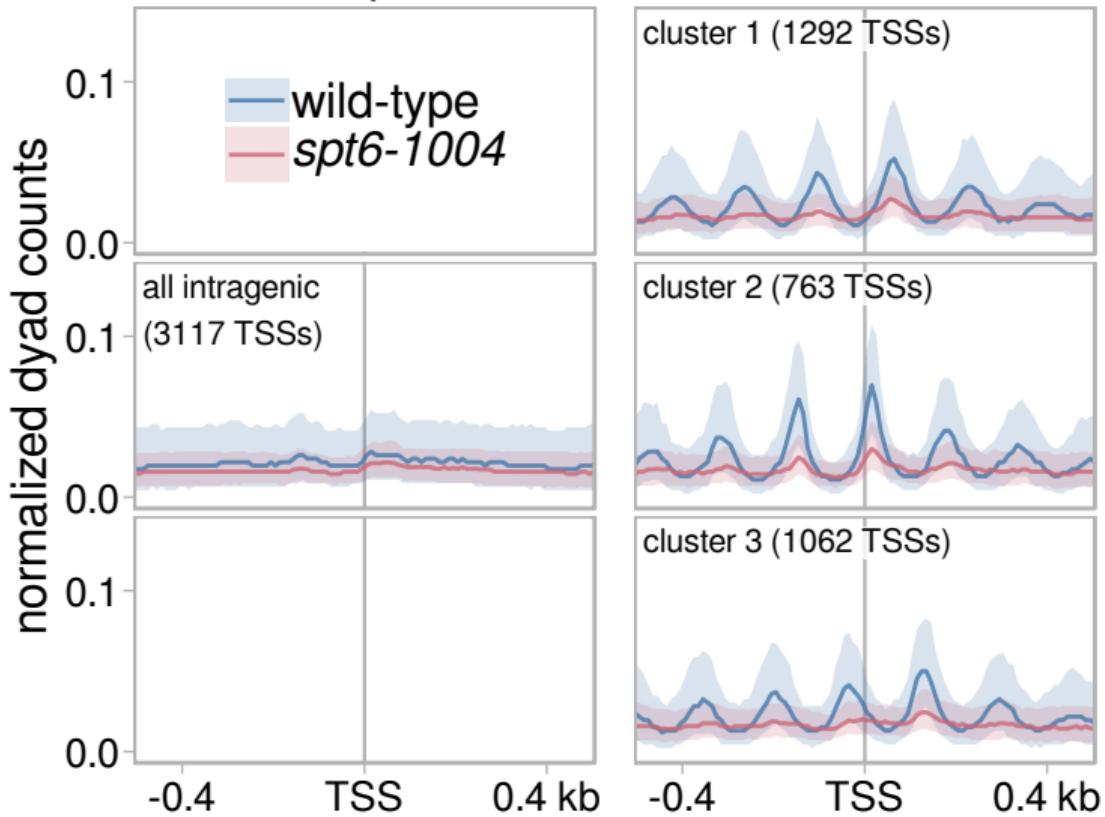
MNase-seq dyad signal



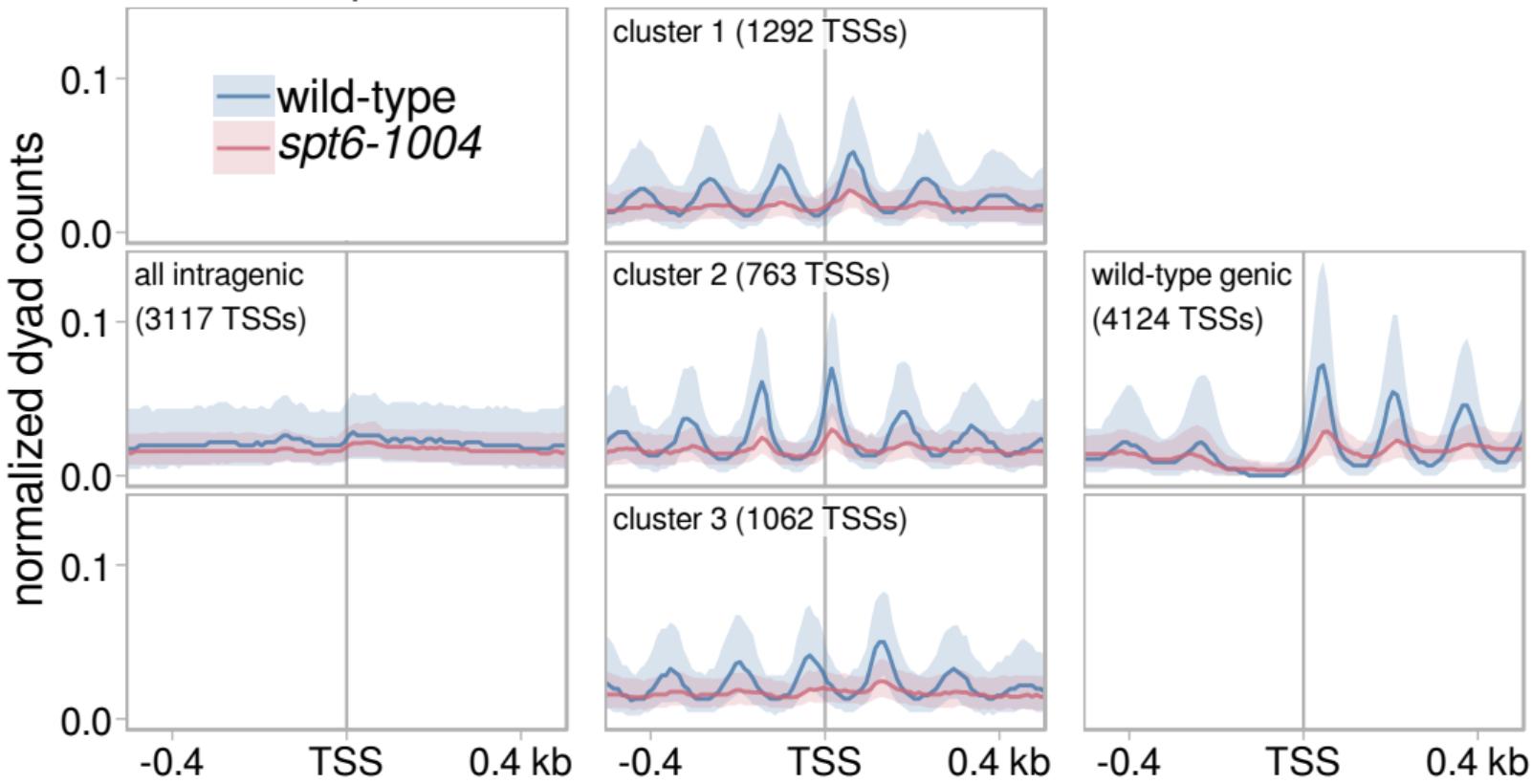
MNase-seq



MNase-seq

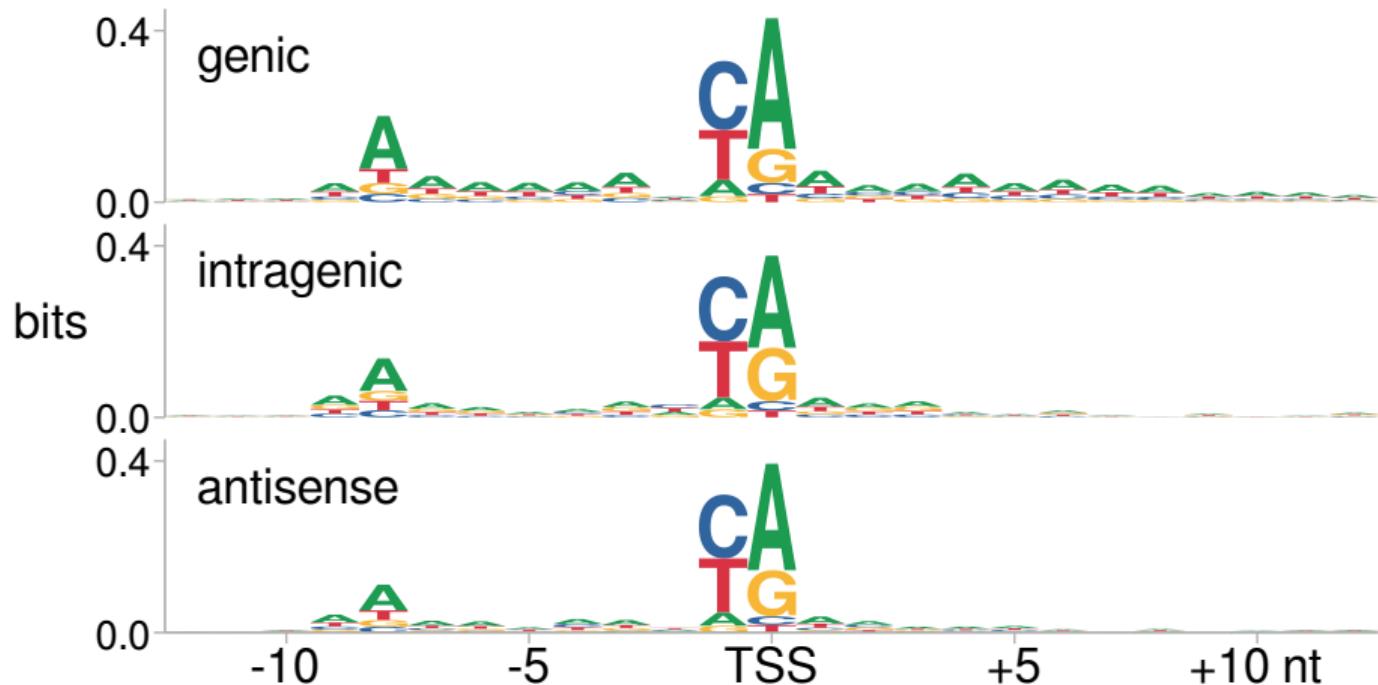


MNase-seq

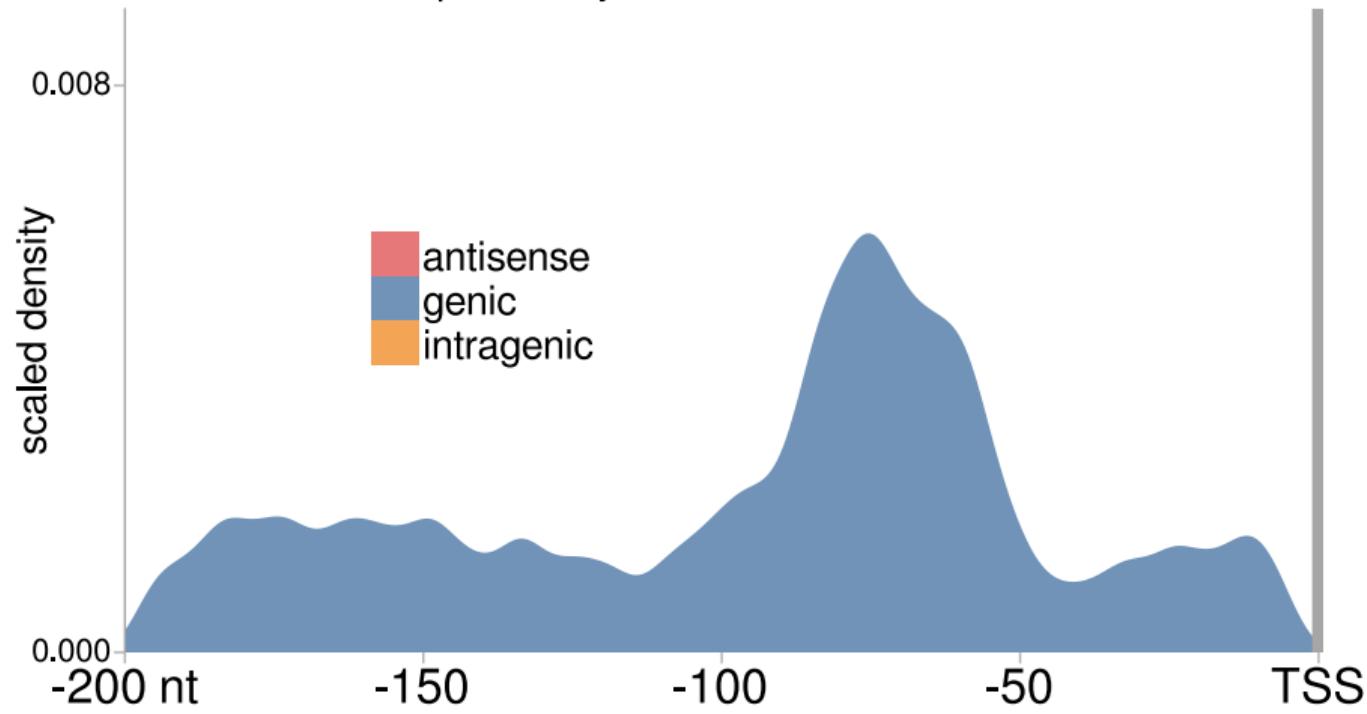


GC content

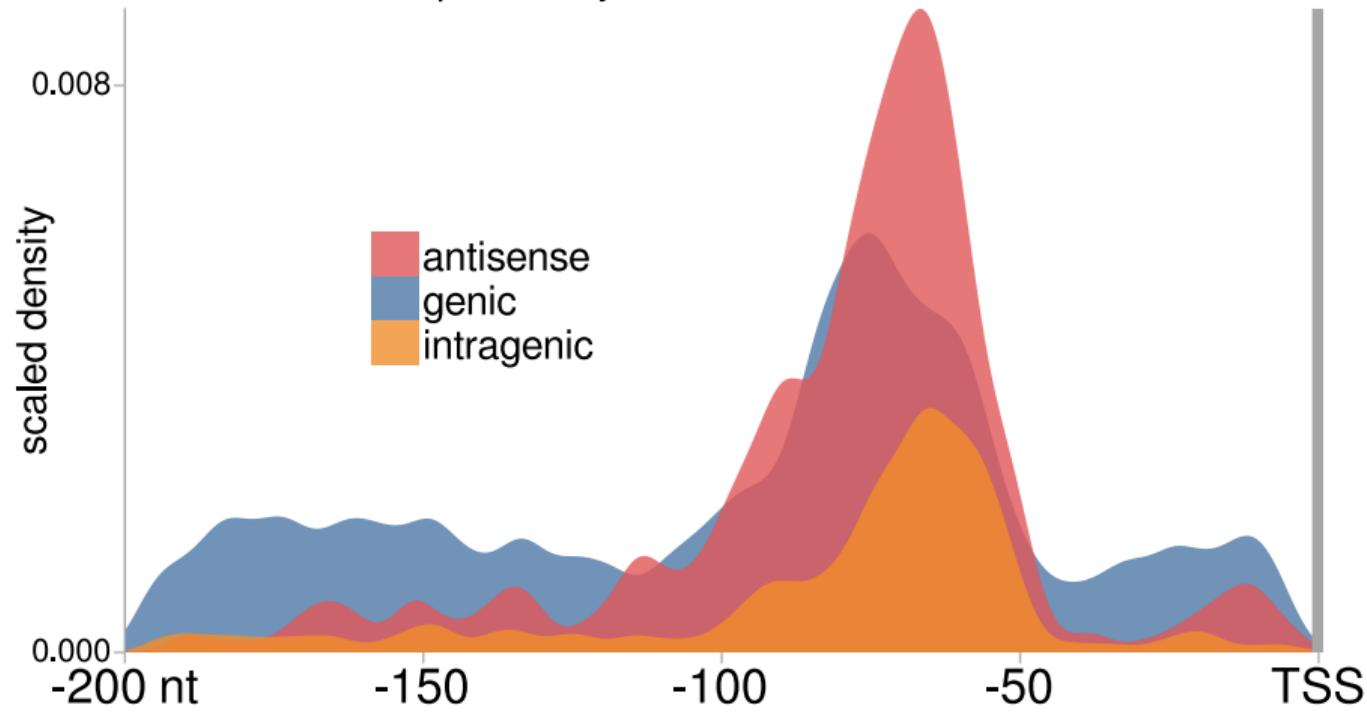
spt6-1004 TSSs



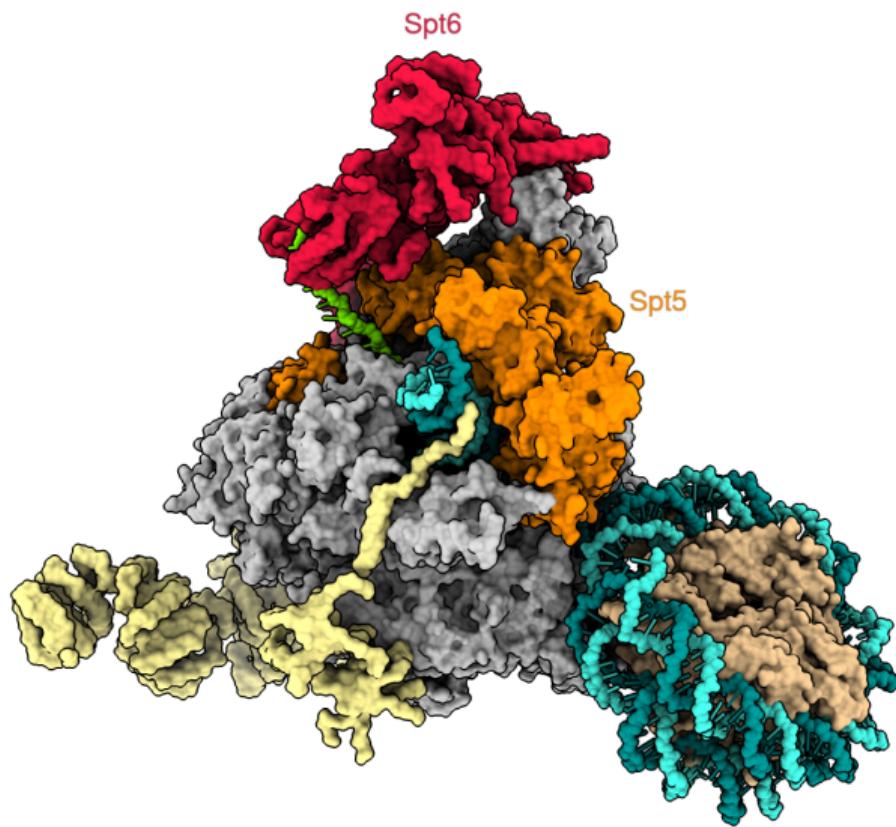
TATA consensus probability



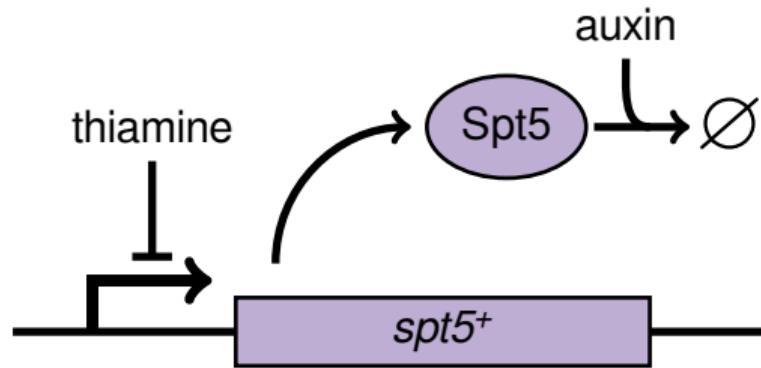
TATA consensus probability



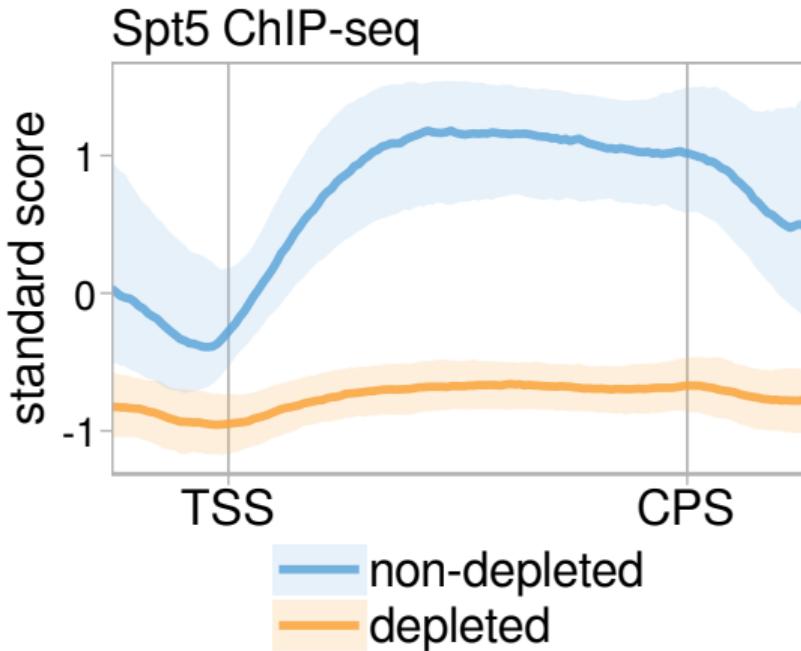
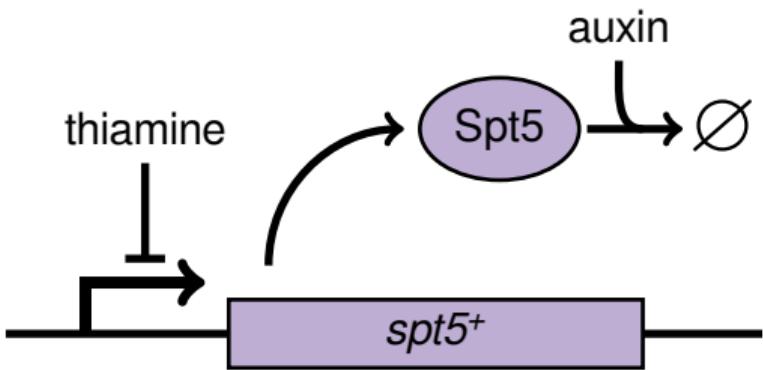
Spt6 summary and model



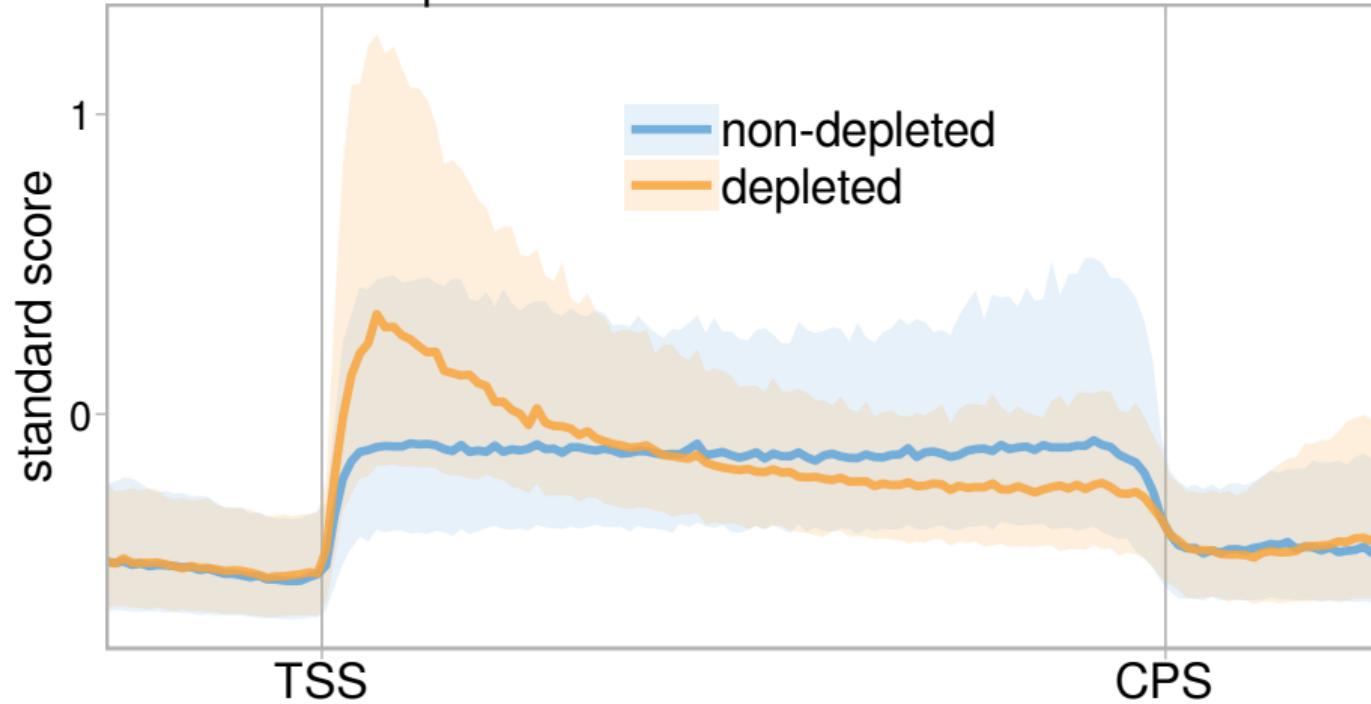
Spt5 depletion system

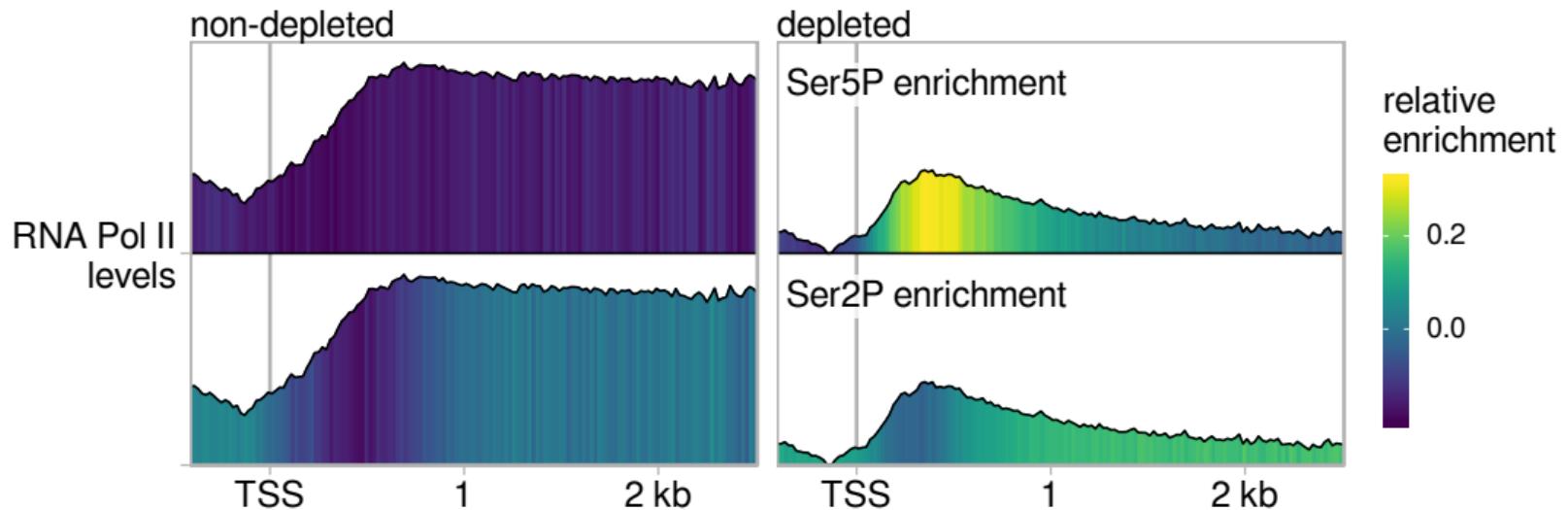


Spt5 depletion system

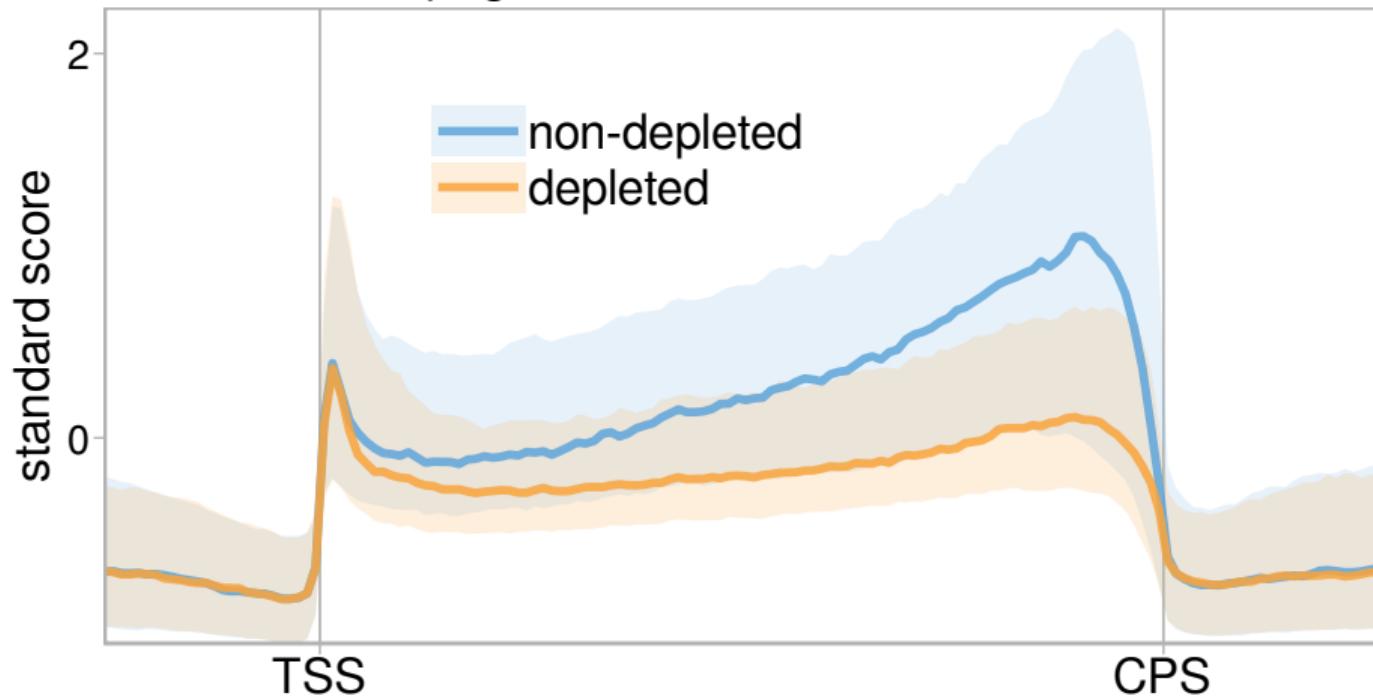


sense NET-seq

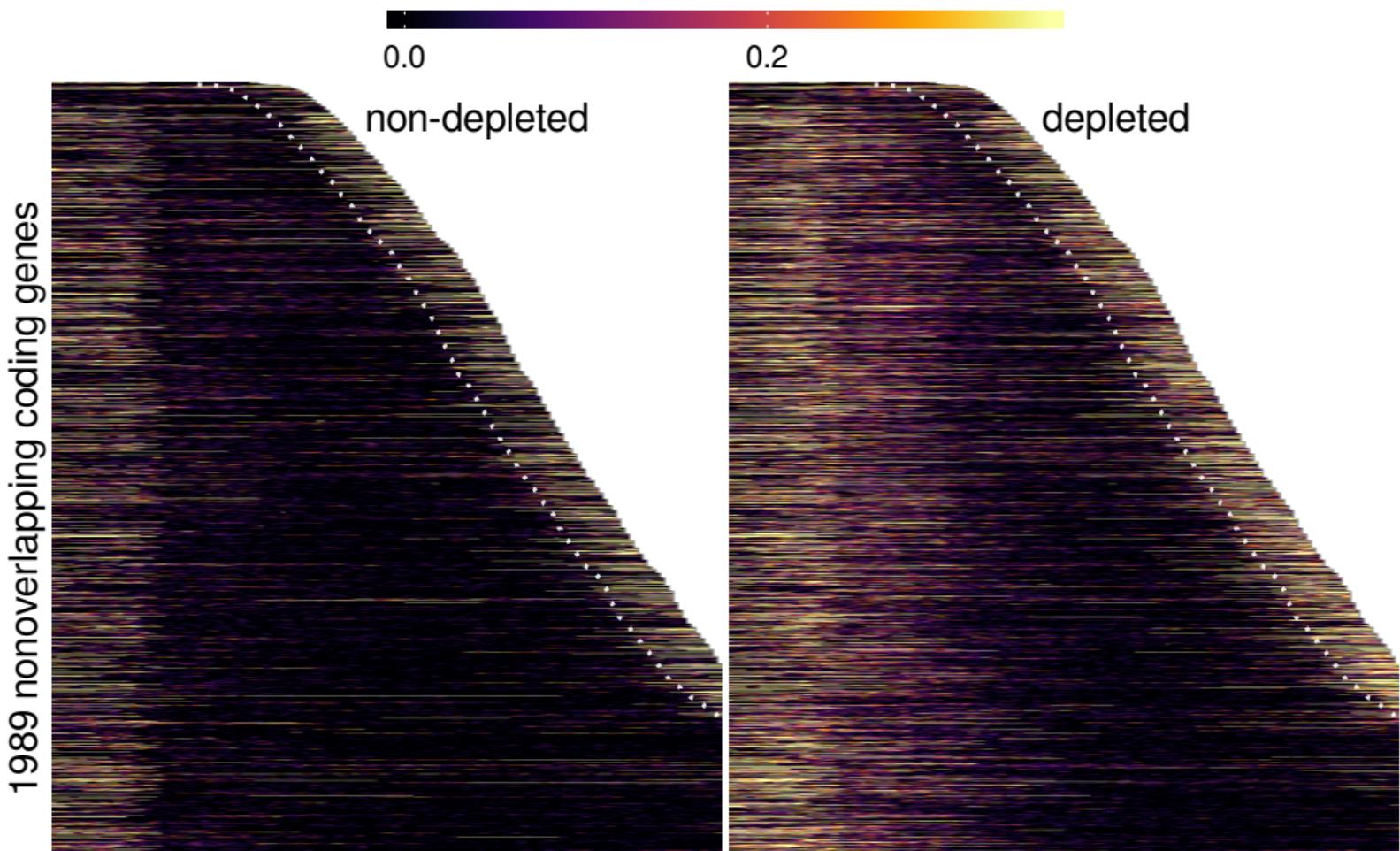


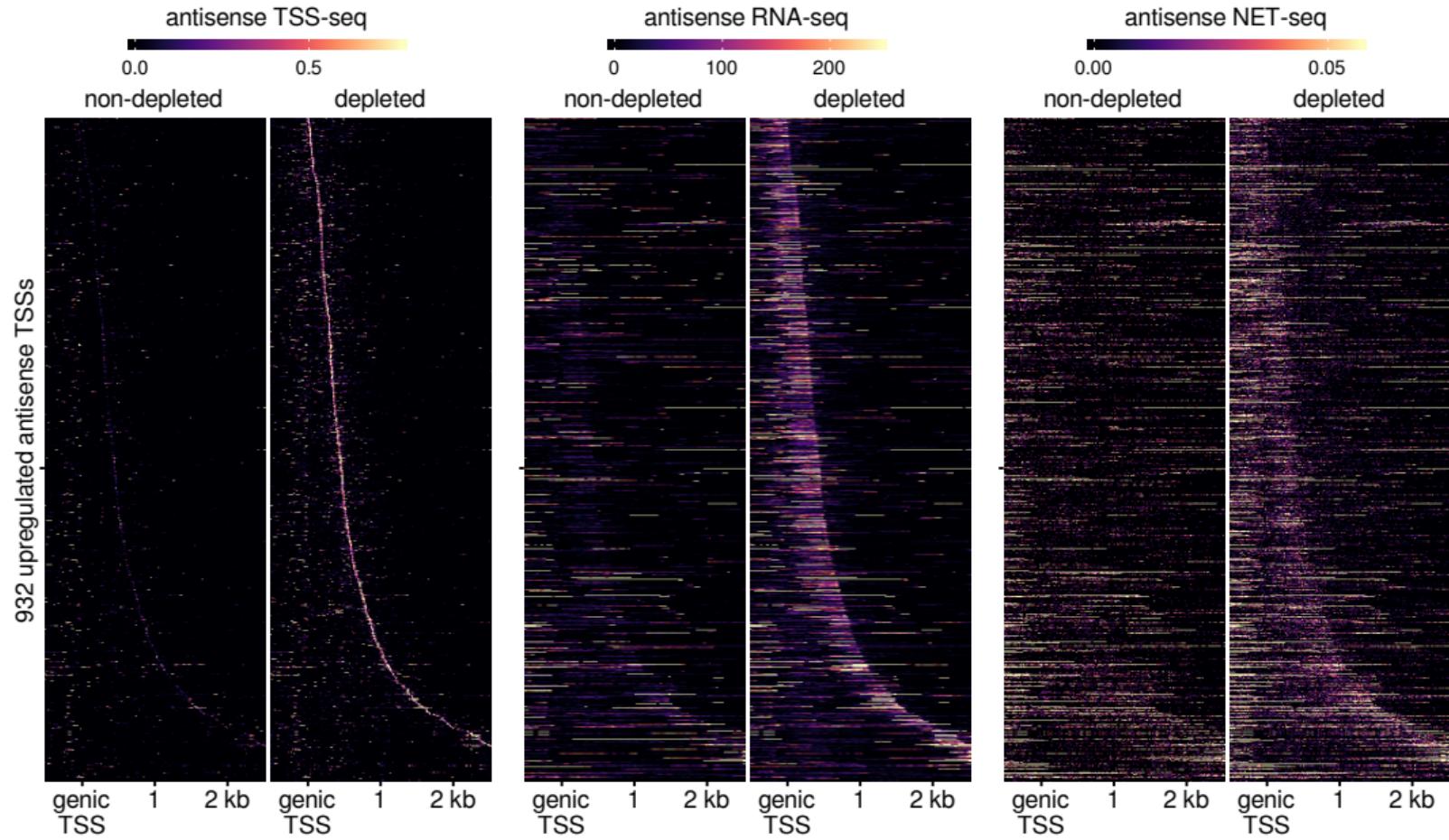


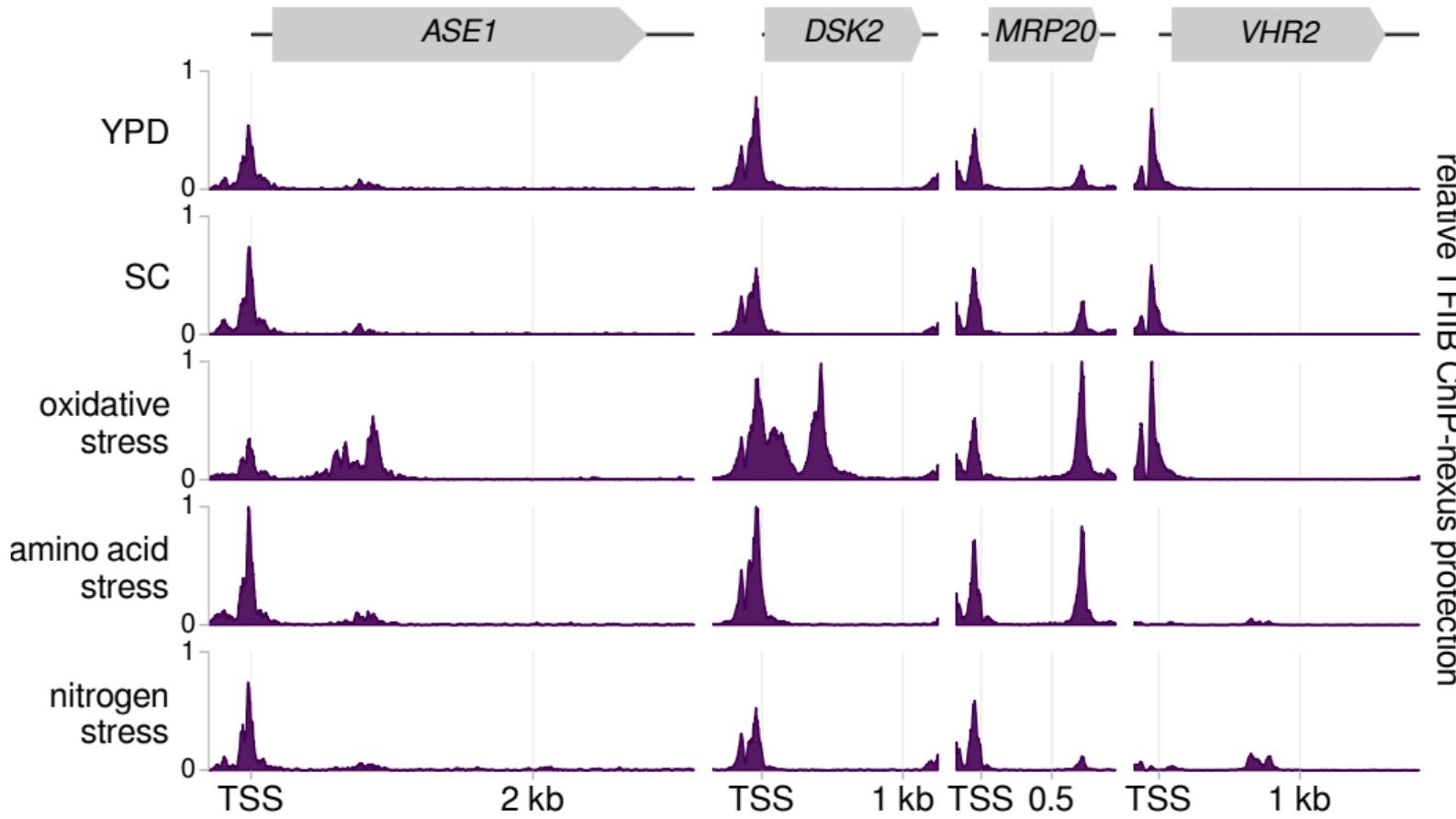
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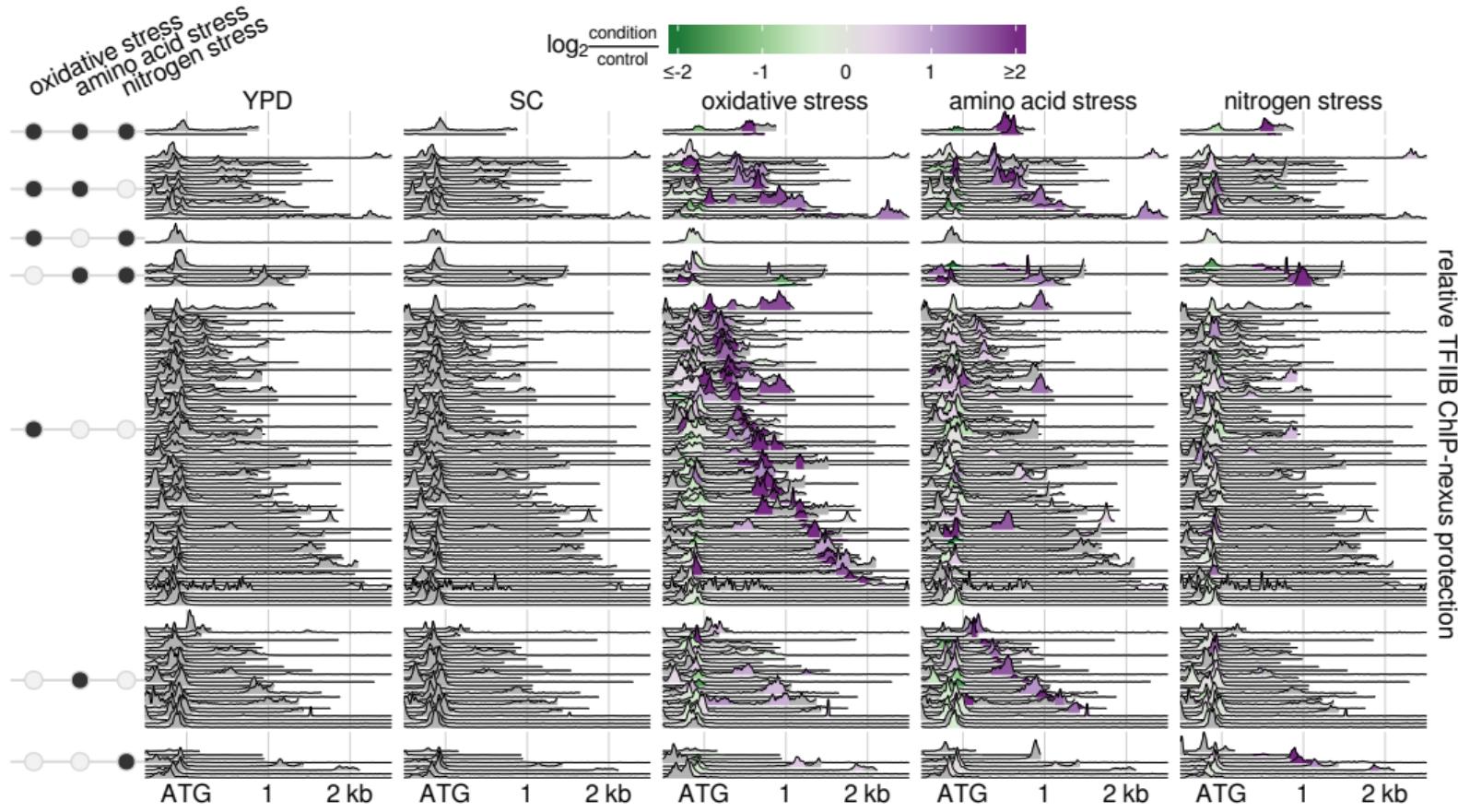
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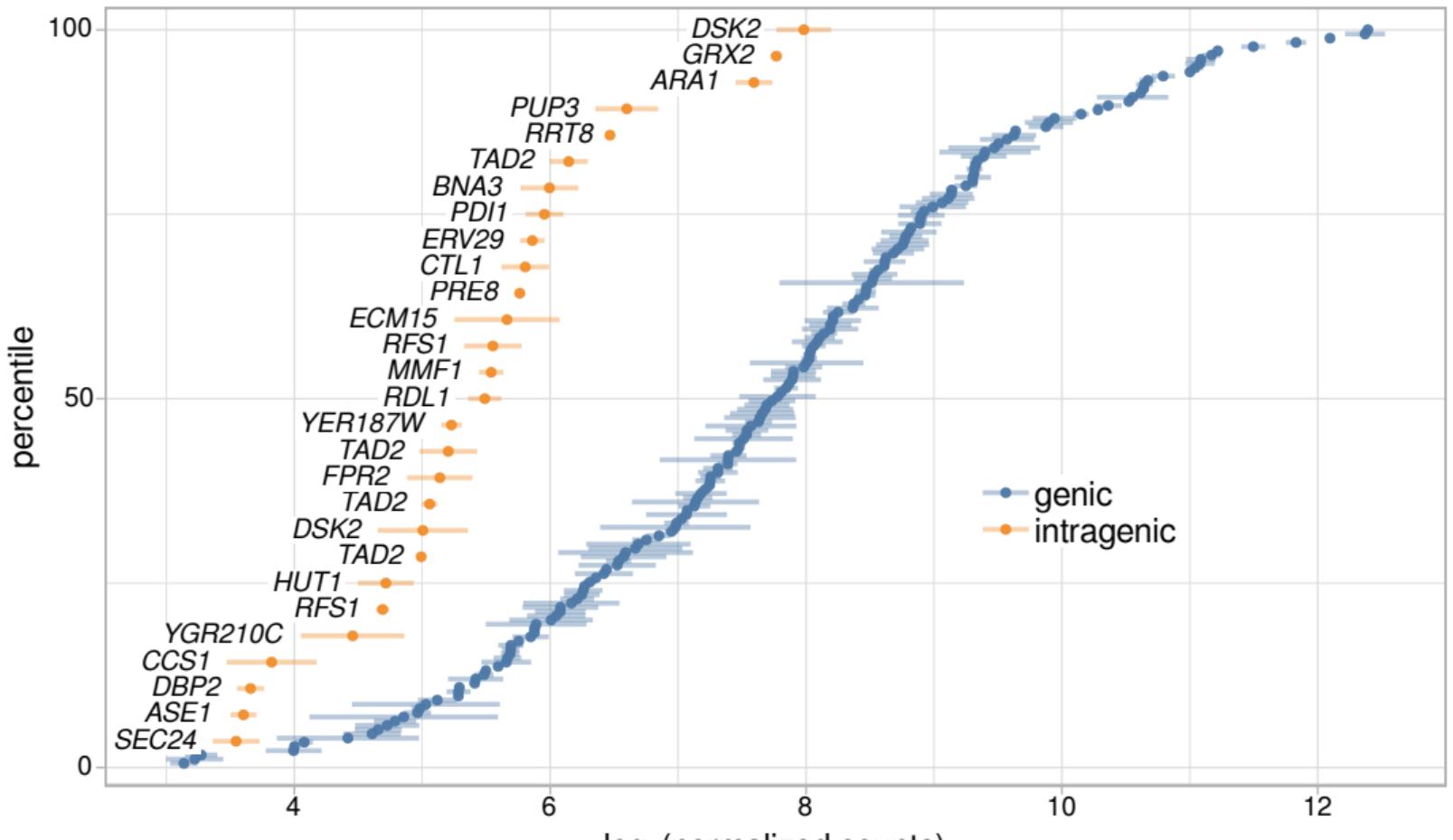




induced in:



TSS expression levels in oxidative stress oxidative stress-induced promoters



polysome enrichment in oxidative stress
oxidative stress-induced TSSs

