

Positional Oligomer Importance Matrices - Supplementary Material

January 17, 2008

Splice Site Analysis: *C.elegans* acceptor splice site recognition

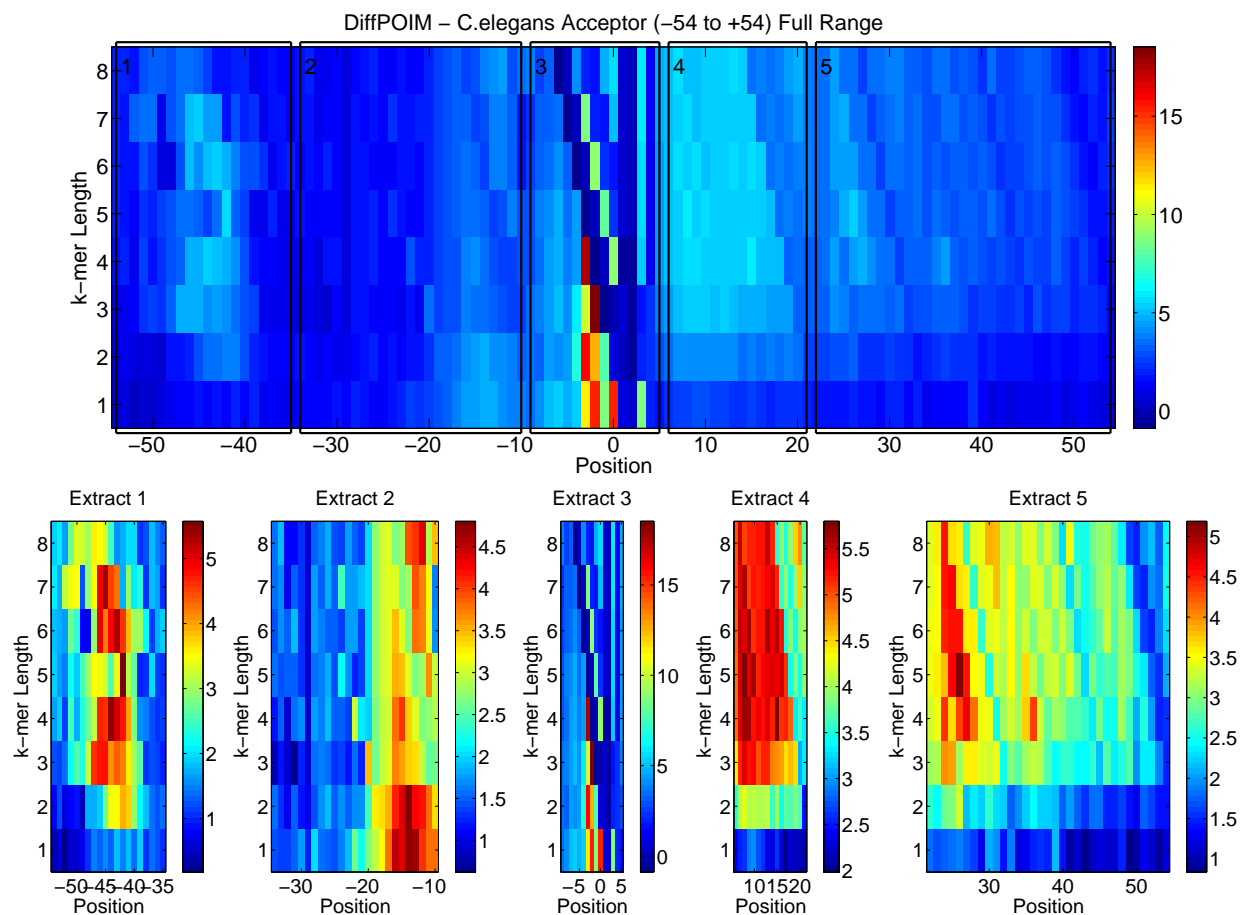


Figure 1: **First Row:** Differential POIMs divided in five different positional regions; **Second Row:** Zoom for the five different regions.

Lists of extracted k-mers corresponding to the five boxed regions can be found in the files:

```
DiffPOIM_-_Celegans_Acceptor_(-54_to_-35)_Extract_1.txt
DiffPOIM_-_Celegans_Acceptor_(-34_to_-10)_Extract_2.txt,
DiffPOIM_-_Celegans_Acceptor_(-9_to_+5)_Extract_3.txt,
DiffPOIM_-_Celegans_Acceptor_(+6_to_+21)_Extract_4.txt,
DiffPOIM_-_Celegans_Acceptor_(+22_to_+54)_Extract_5.txt
```

These files are available for download at <http://www.fml.tuebingen.mpg.de/raetsch/projects/POIM/results>

Promoter Regulatory Elements: *D. melanogaster*

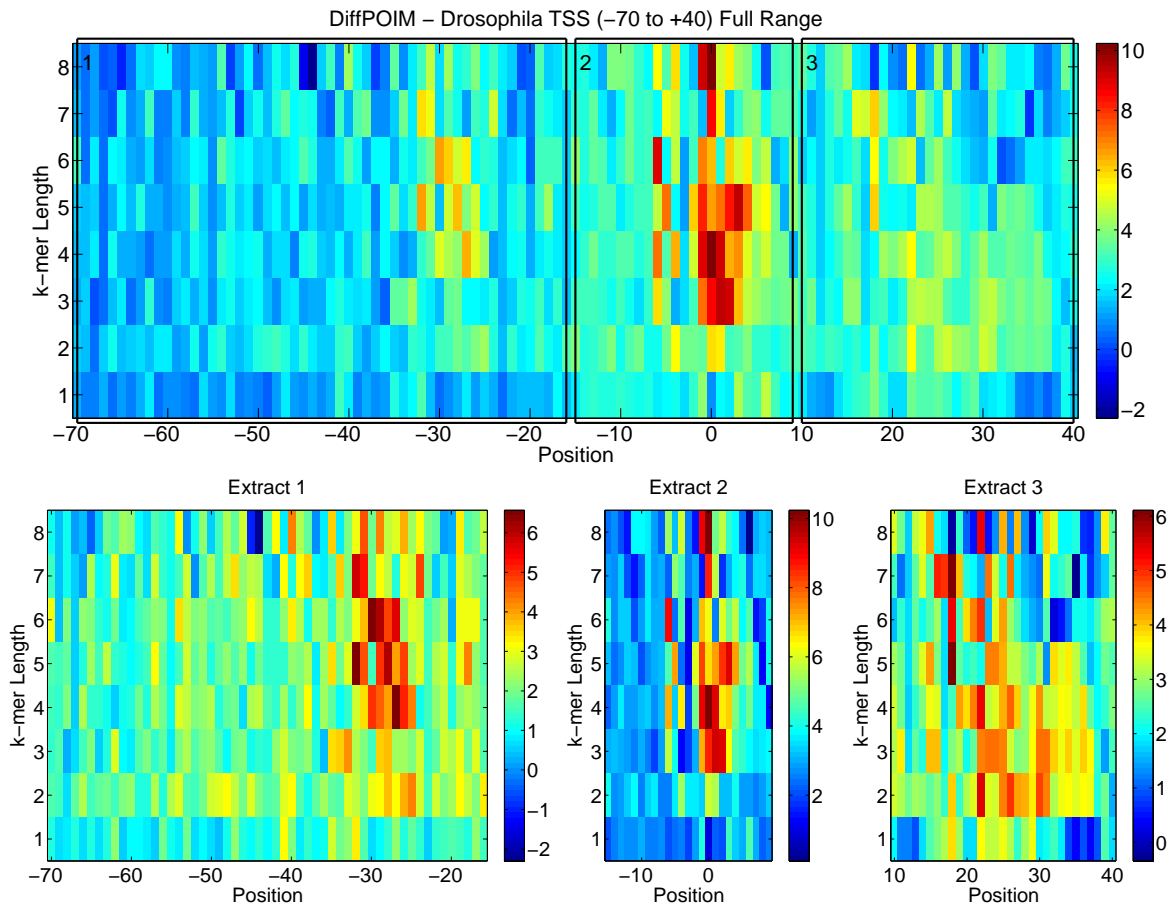


Figure 2: **First Row:** Differential POIMs divided in three different positional regions; **Second Row:** Zoom for the three different regions.

Lists of extracted k-mers corresponding to the three boxed regions can be found in the files:

```
DiffPOIM_-_Drosophila_TSS_(-70_to_-16)_Extract_1.txt,  
DiffPOIM_-_Drosophila_TSS_(-15_to_+9)_Extract_2.txt,  
DiffPOIM_-_Drosophila_TSS_(+10_to_+40)_Extract_3.txt
```

Detection of *trans*-Splicing Control Elements: *C.elegans*

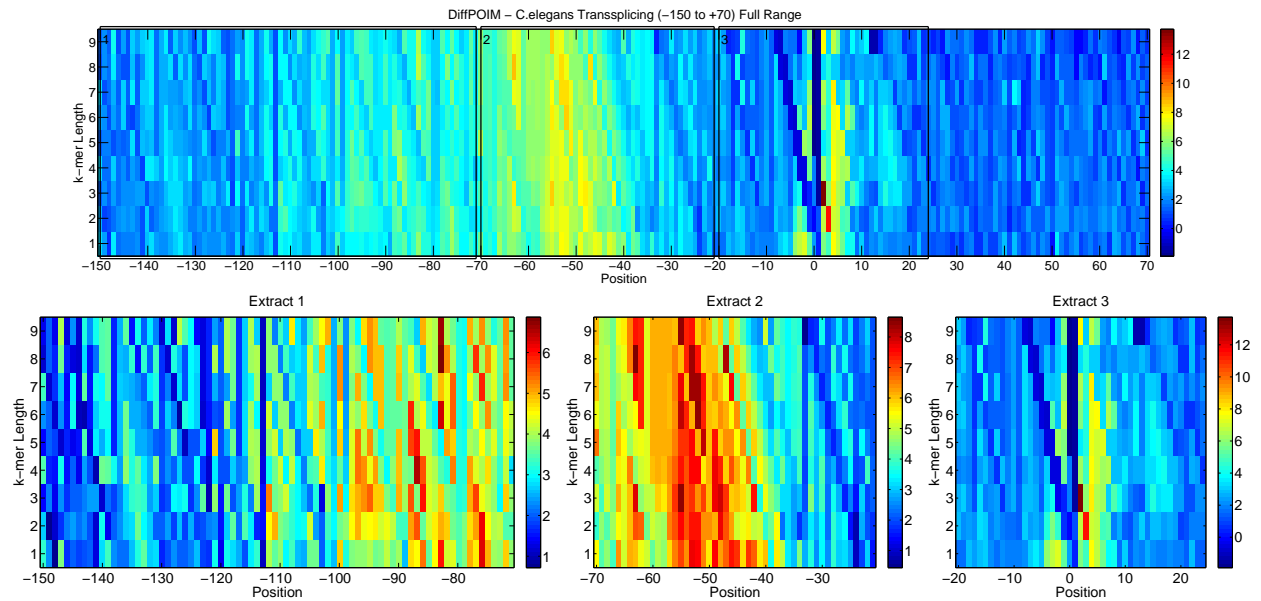


Figure 3: **First Row:** Differential POIMs divided in three different positional regions; **Second Row:** Zoom for the three different regions.

Lists of extracted k-mers corresponding to the three boxed regions can be found in the files:

```
DiffPOIM_-_Celegans_Transsplicing_(-150_to_-71)_Extract_1.txt,  
DiffPOIM_-_Celegans_Transsplicing_(-70_to_-21)_Extract_2.txt,  
DiffPOIM_-_Celegans_Transsplicing_(-20_to_+24)_Extract_3.txt
```