A

| ct_0 | ct_1 | ... | ct_9 | seq |

dataset
data.txt

`learn_matrix --start 3 --end 25`

| pos | val_A | val_C | val_G | val_T |

matrix model
crp_model.txt

`draw`

`draw --logo`

crp_logo.pdf

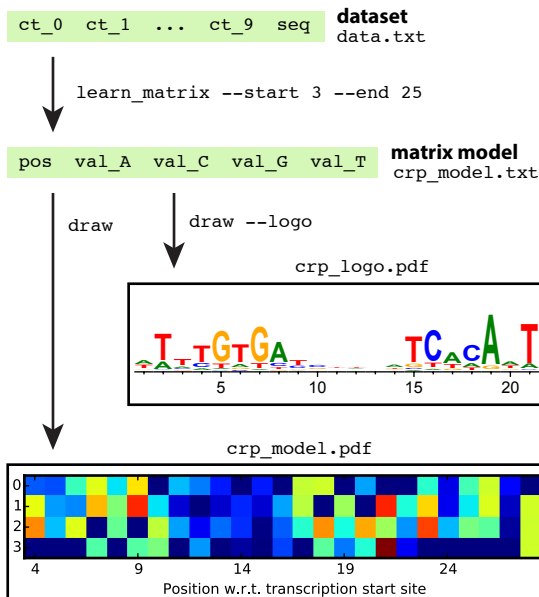crp_model.pdf

Position w.r.t. transcription start site

B

```
$ sortseq learn_model --start 3 --end 25 \
     -i data.txt -o crp_model.txt
$ sortseq draw -i crp_model.txt -o crp_matrix.pdf
$ sortseq draw --logo -i crp_model.txt -o crp_logo.pdf
```

Figure 8