

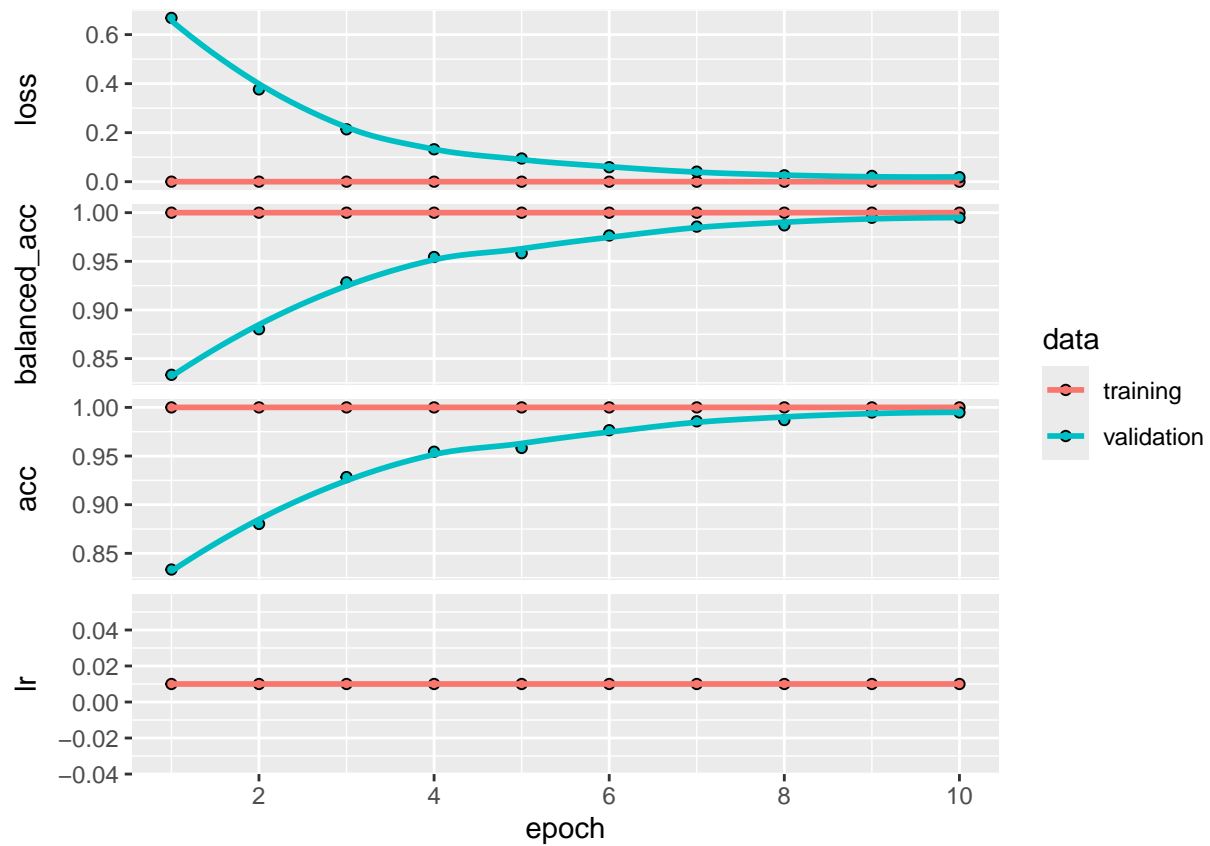
Motif Export

Yichen Han

2024-08-13

Motif detection

Based on *rsd* (477 bp), first random ok-mutations, and then insert a length 10 motif **GAGAGGGCGG** at a random starting point. Data 1000.



Using checkpoint checkpoints/rsd-motif_2/Ep.010-val_loss0.02-val_acc0.995.hdf5

Model Evaluation

```
## [[1]]
## [[1]]$confusion_matrix
##           Truth
## Prediction normal motif
```

```
##      normal      640      18
##      motif        0     622
##
## [[1]]$accuracy
## [1] 0.9859375
##
## [[1]]$categorical_crossentropy_loss
## [1] 0.02295244
##
## [[1]]$AUC
## NULL
##
## [[1]]$AUPRC
## NULL
```

IG

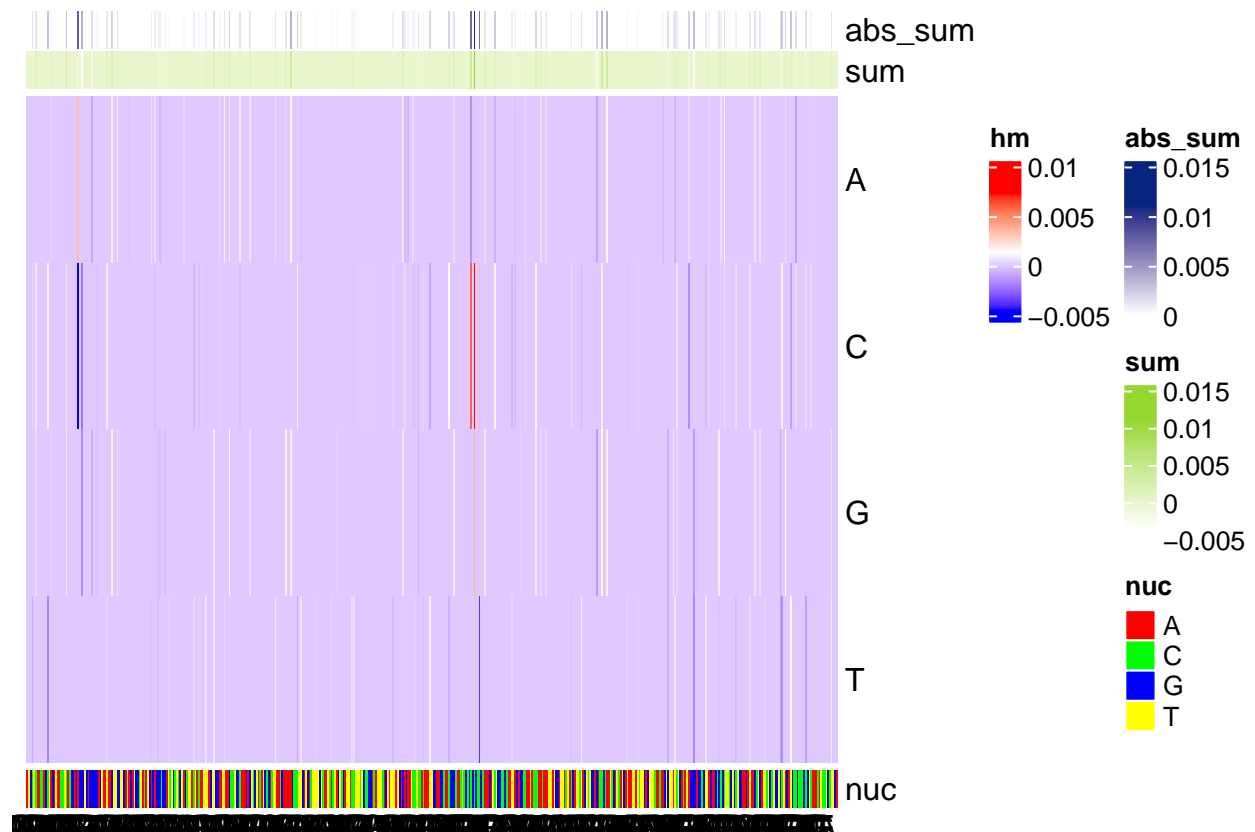
Nonsense explanations!

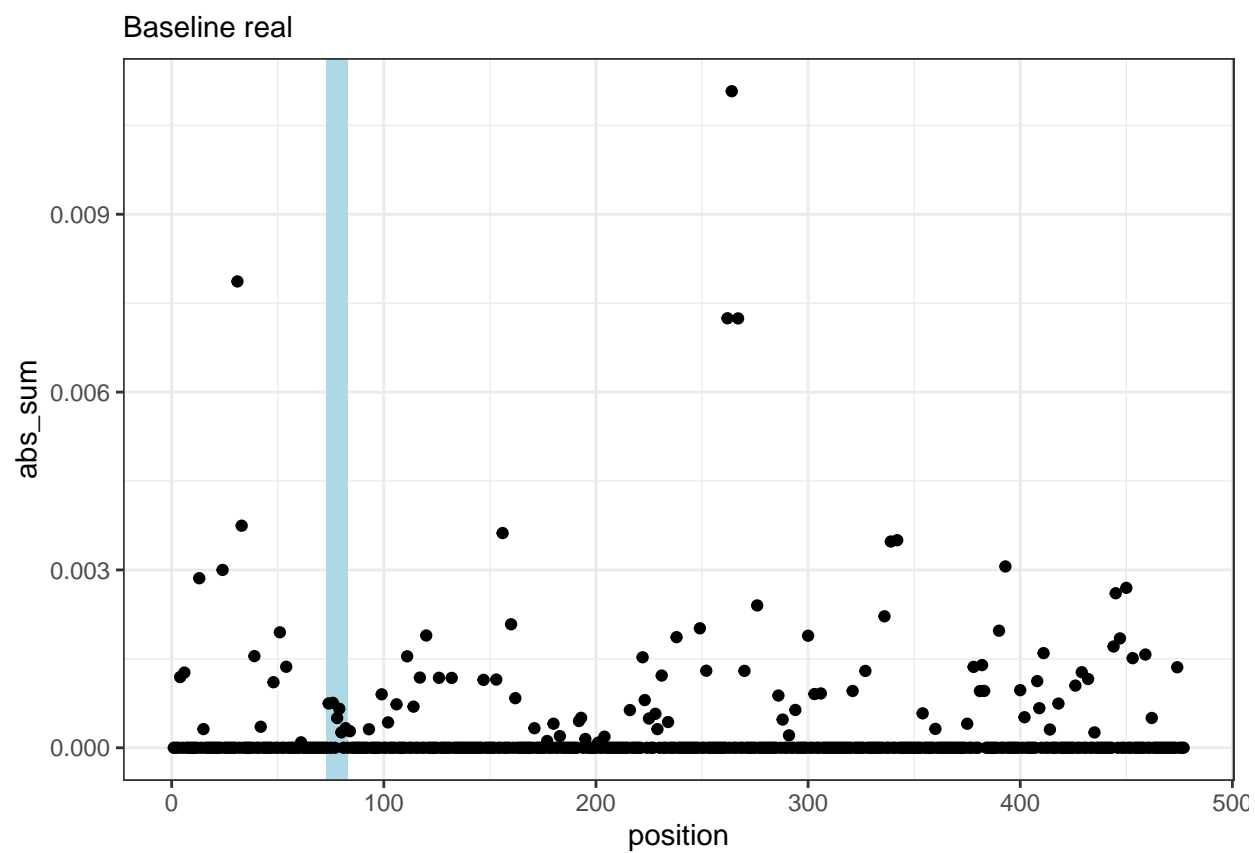
First baseline: real baseline

Second baseline: 0.25

```
##           [,1] [,2]
## [1,] 3.51683e-09  1
```

```
## [[1]]
```





[[1]]

