

# GeneMark Prediction Report

## General Statistics

Gene count: 6563

Single-exon genes: 5551

Multi-exon genes: 1012

Introns per gene: 0.21

Introns per multi-exon gene: 1.34

Genes fully supported by external evidence: 4023 (61.3%)

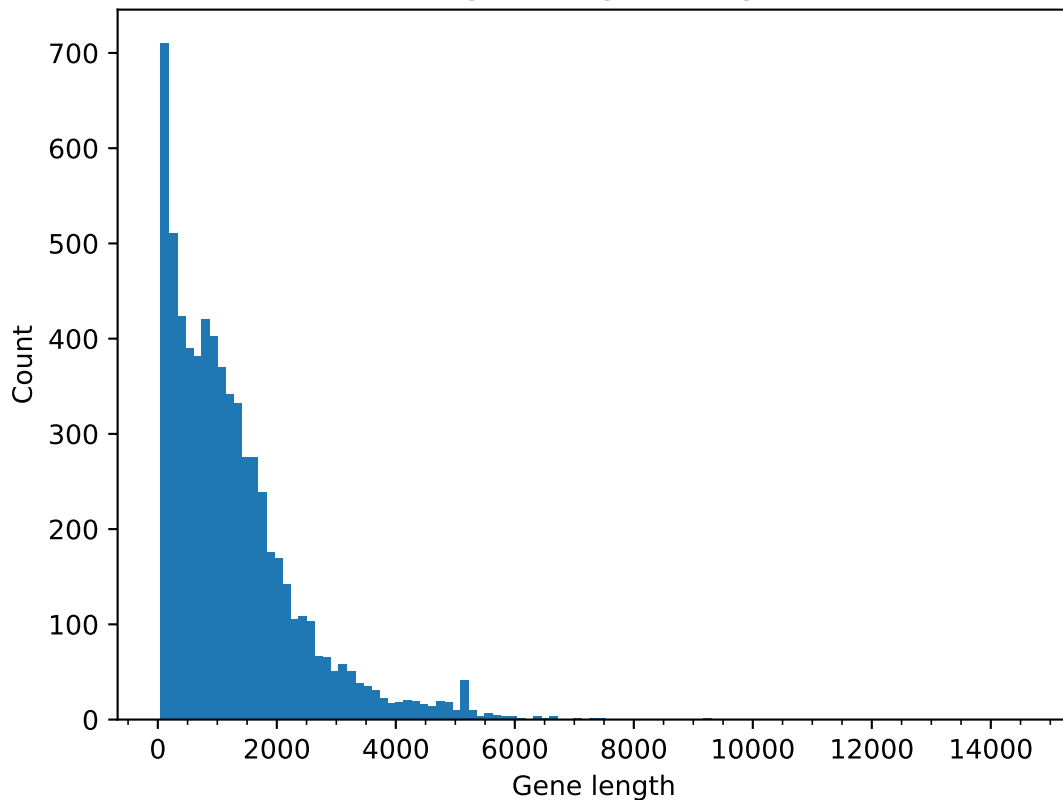
Genes partially supported by external evidence: 5252 (80.02%)

Genes unsupported by any external evidence: 1311 (19.98%)

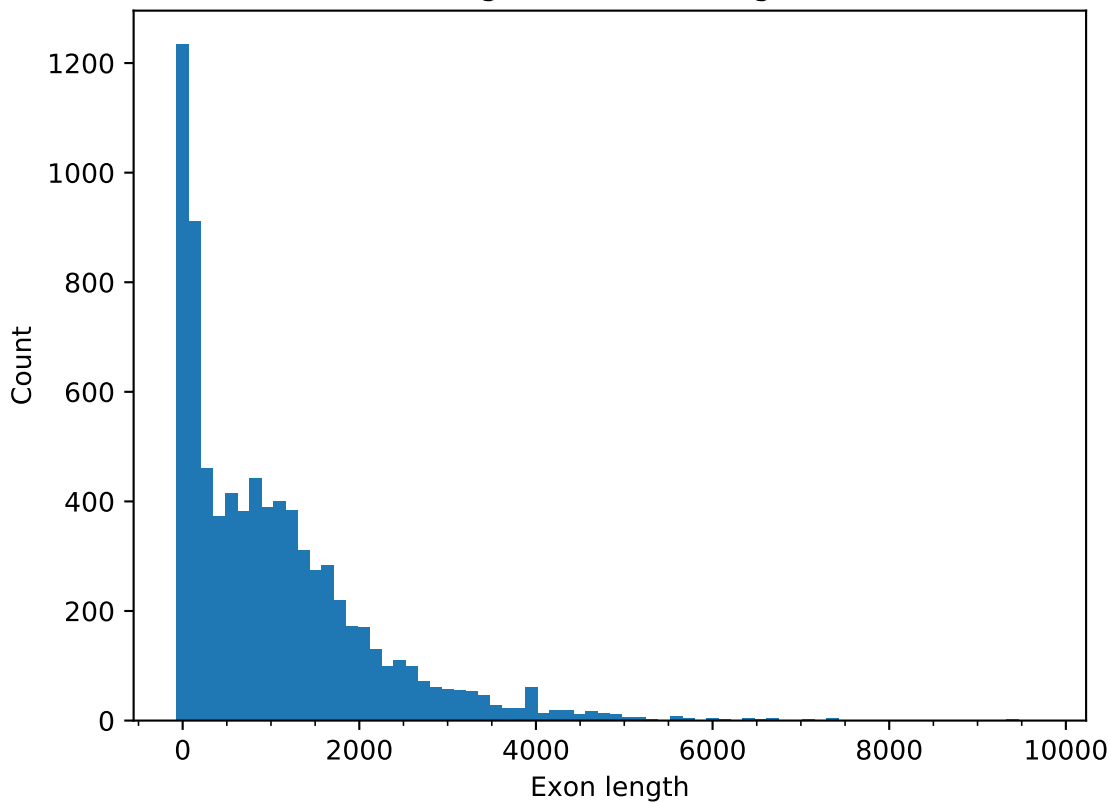
Complete genes: 6545 (99.73%)

Partial genes: 18 (0.27%)

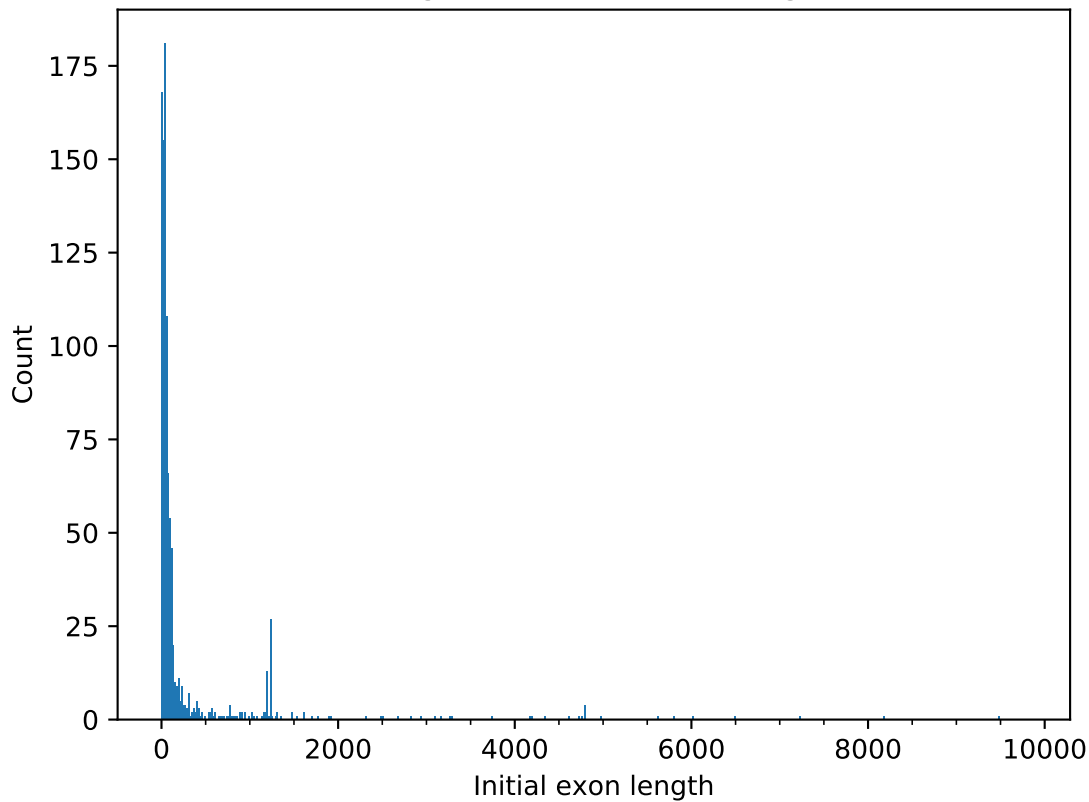
Histogram of gene lengths



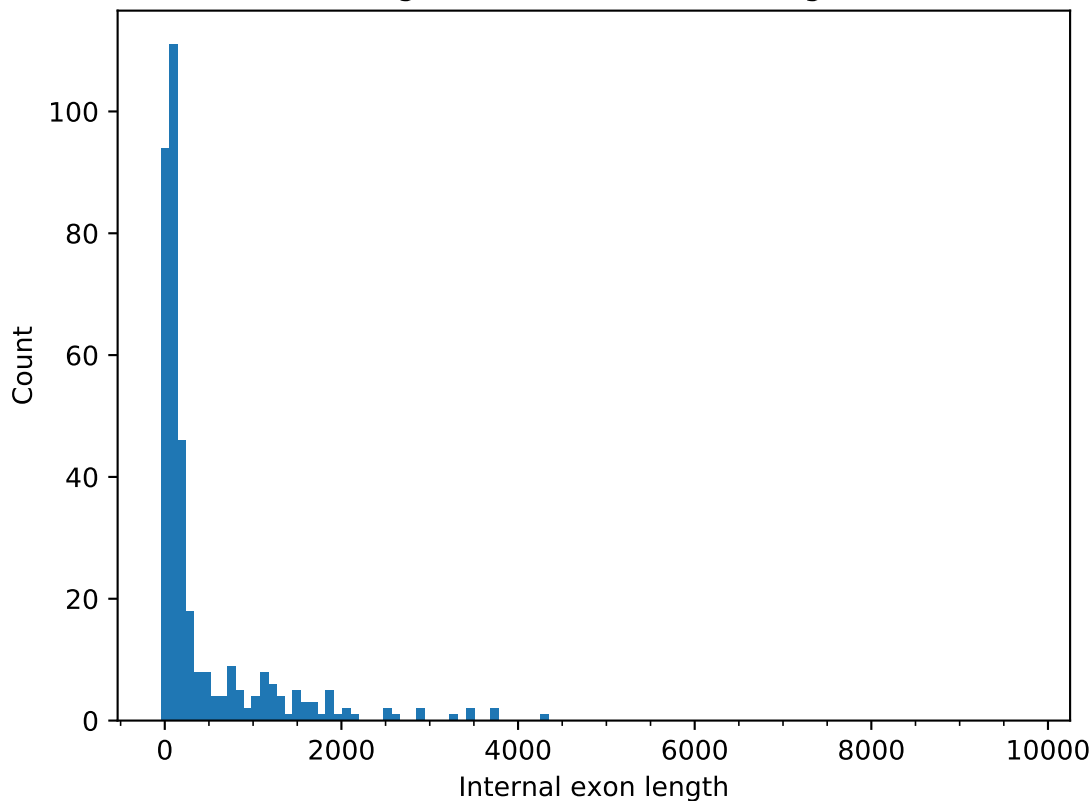
Histogram of exon lengths



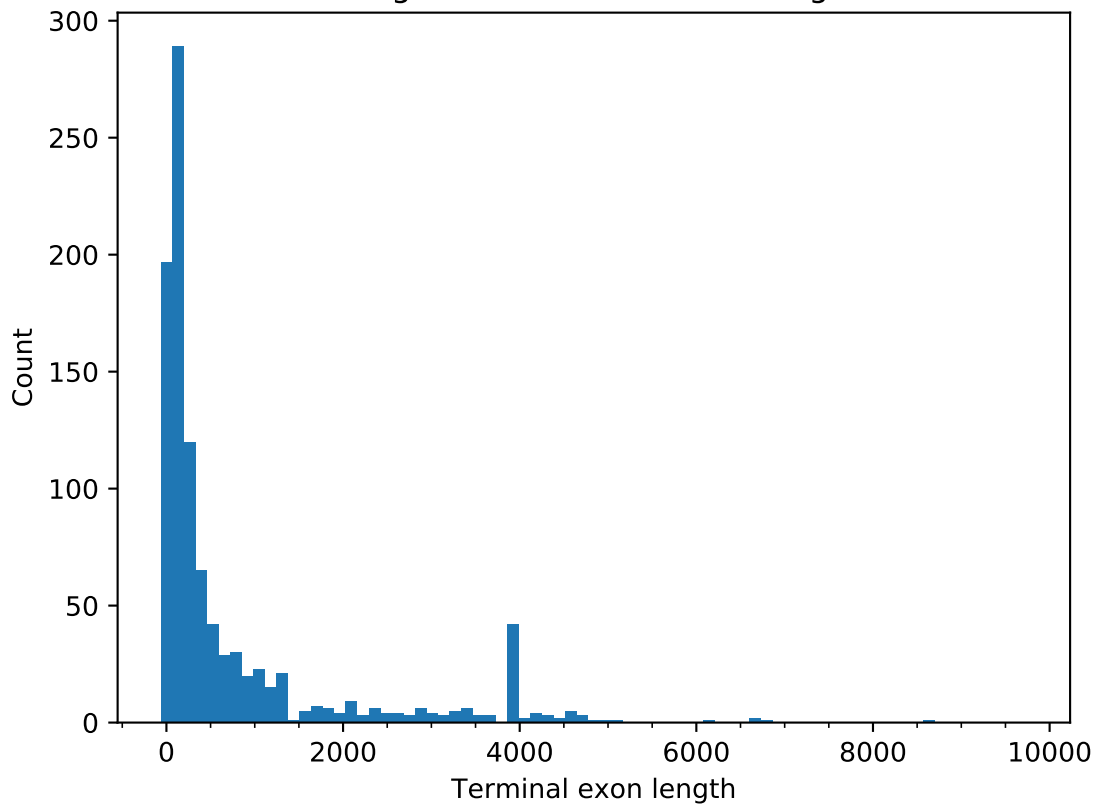
Histogram of initial exon lengths



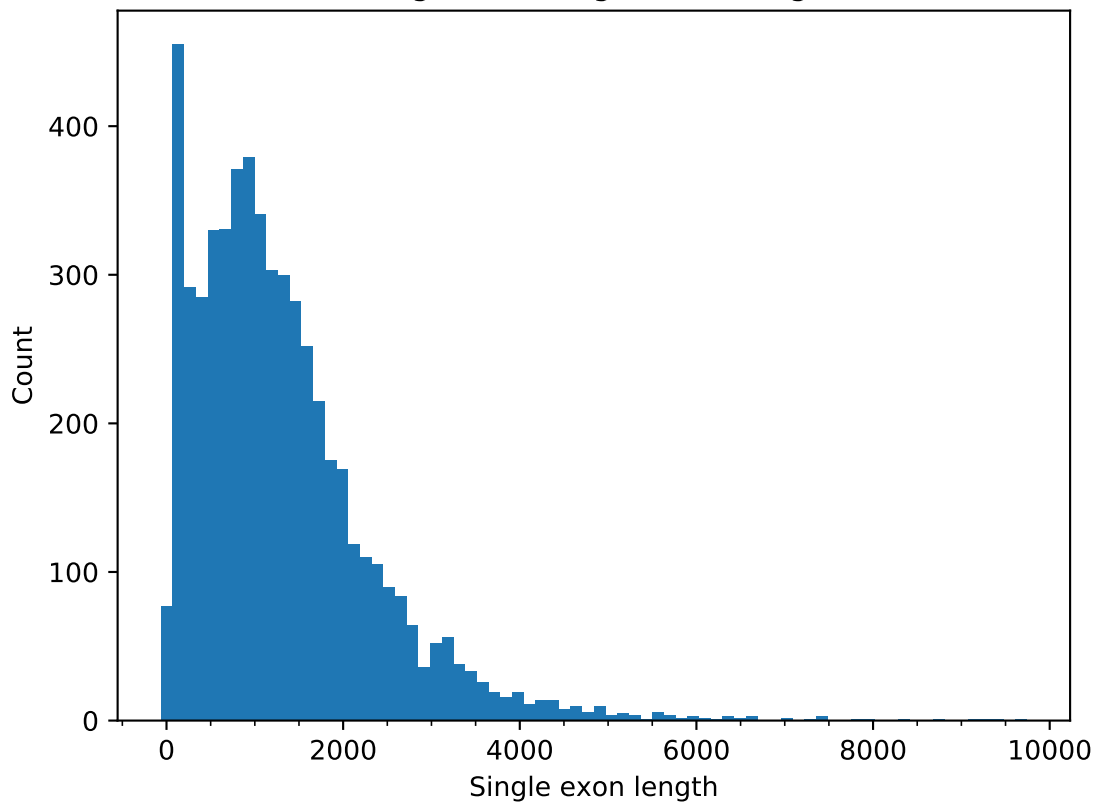
Histogram of internal exon lengths



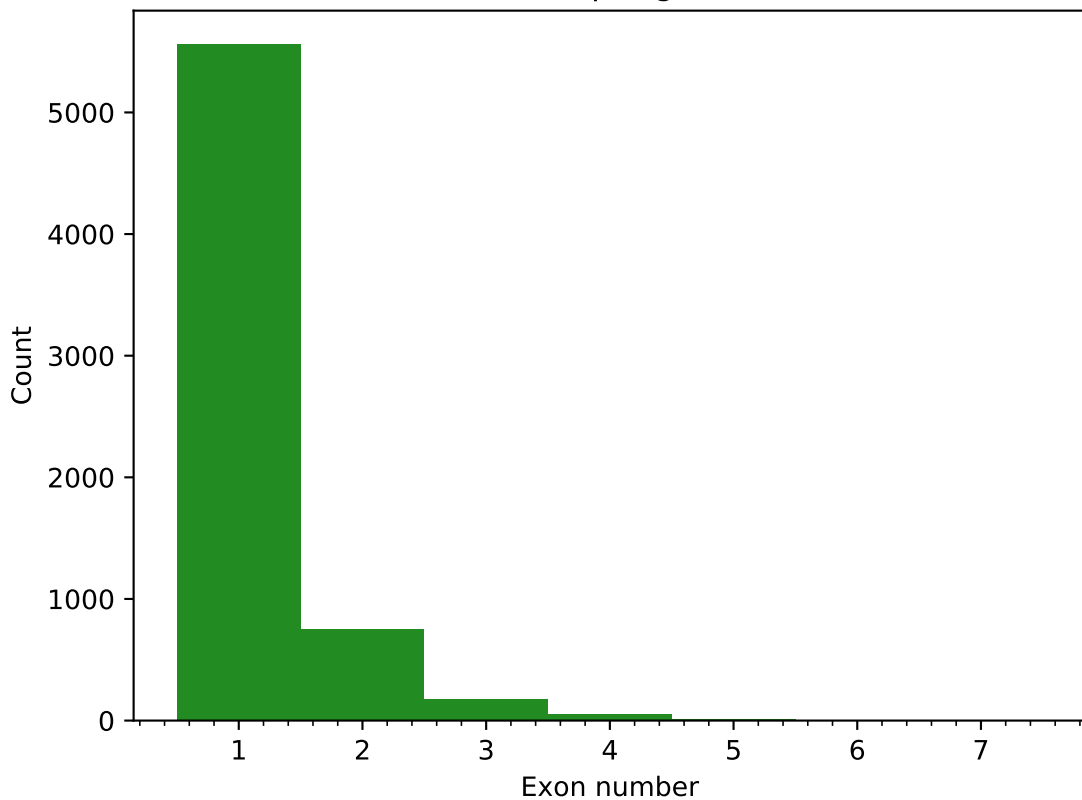
Histogram of terminal exon lengths



Histogram of single exon lengths

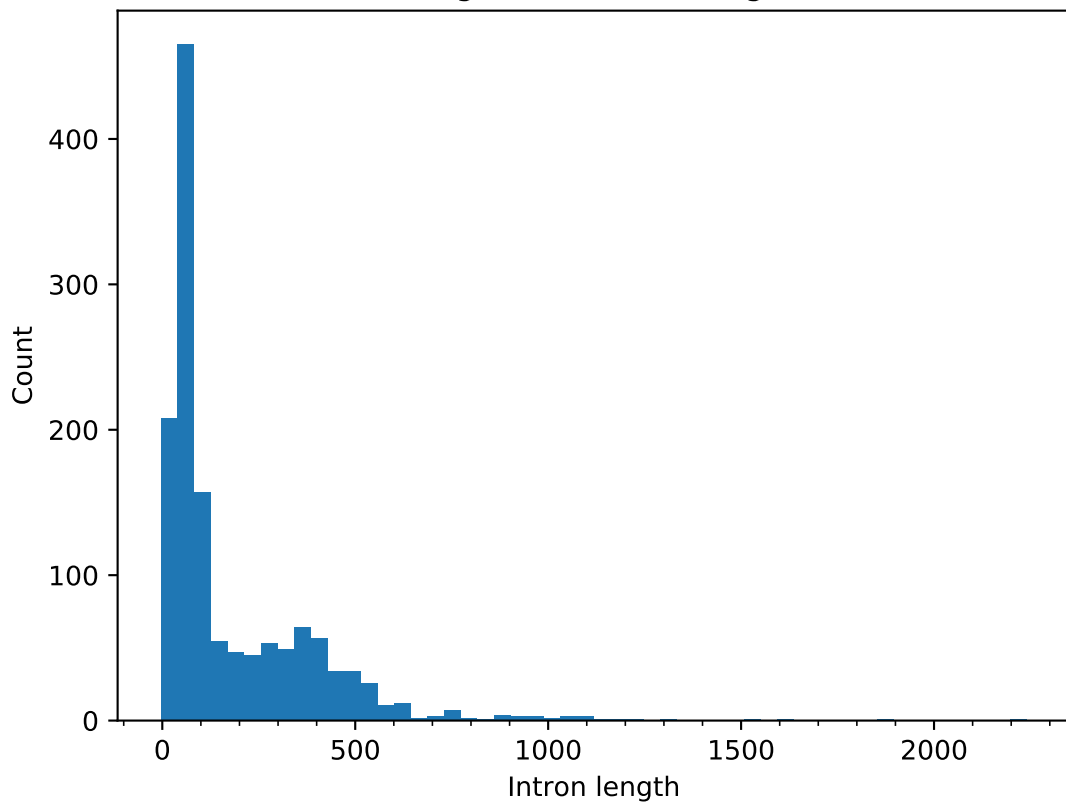


Exons per gene

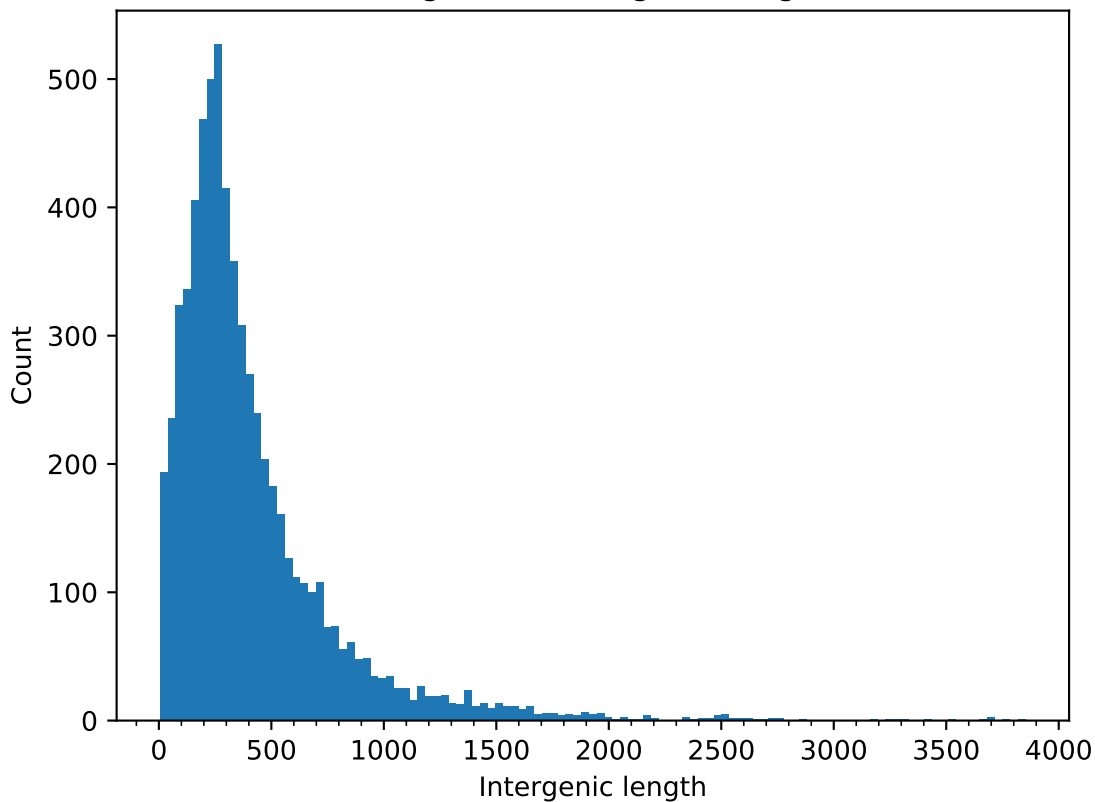




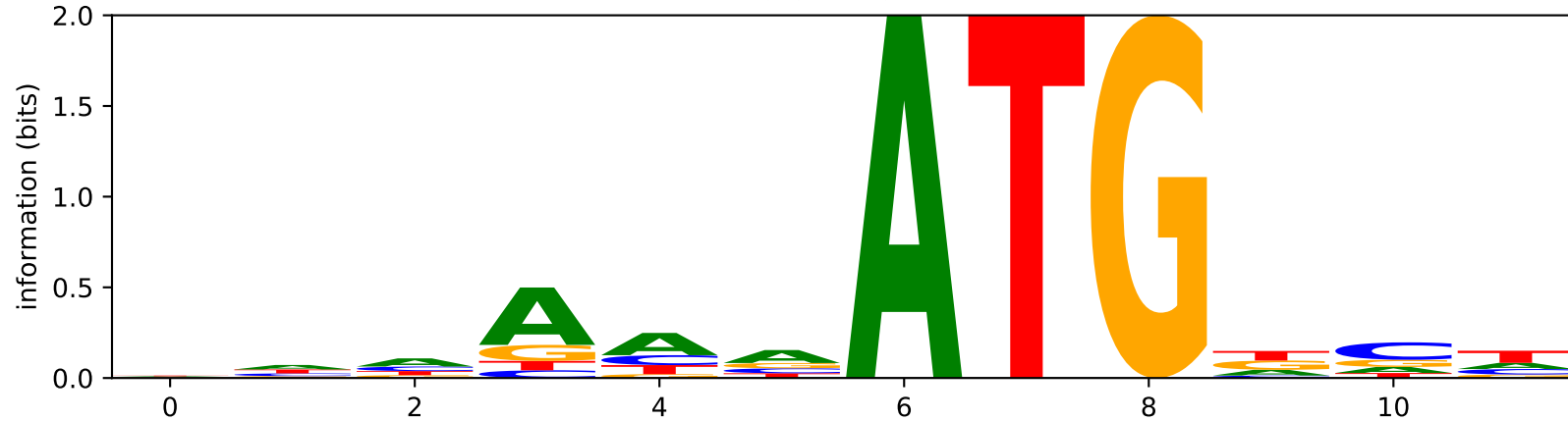
Histogram of intron lengths



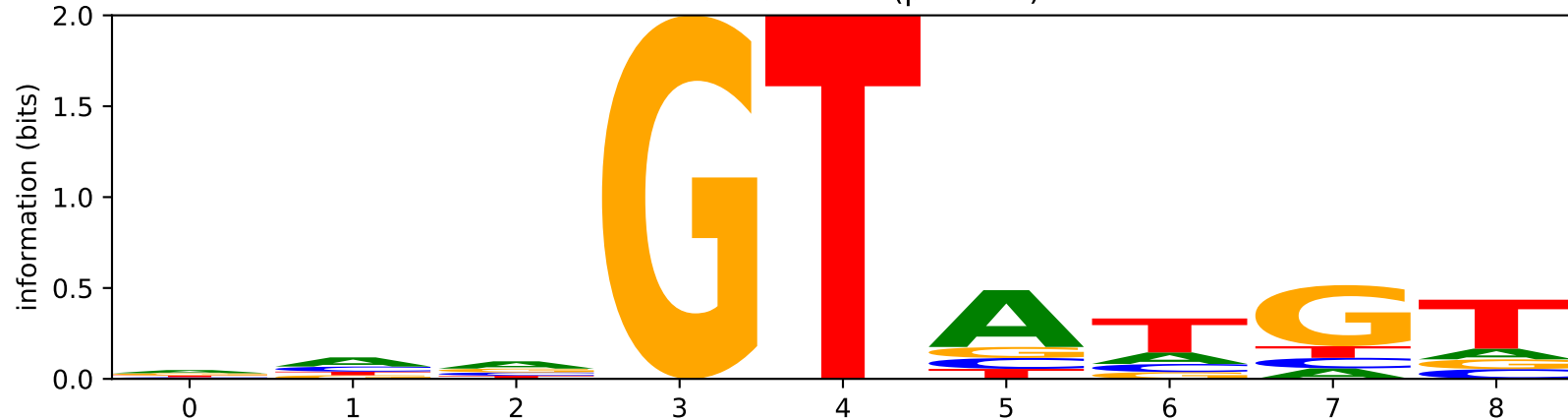
Histogram of intergenic lengths



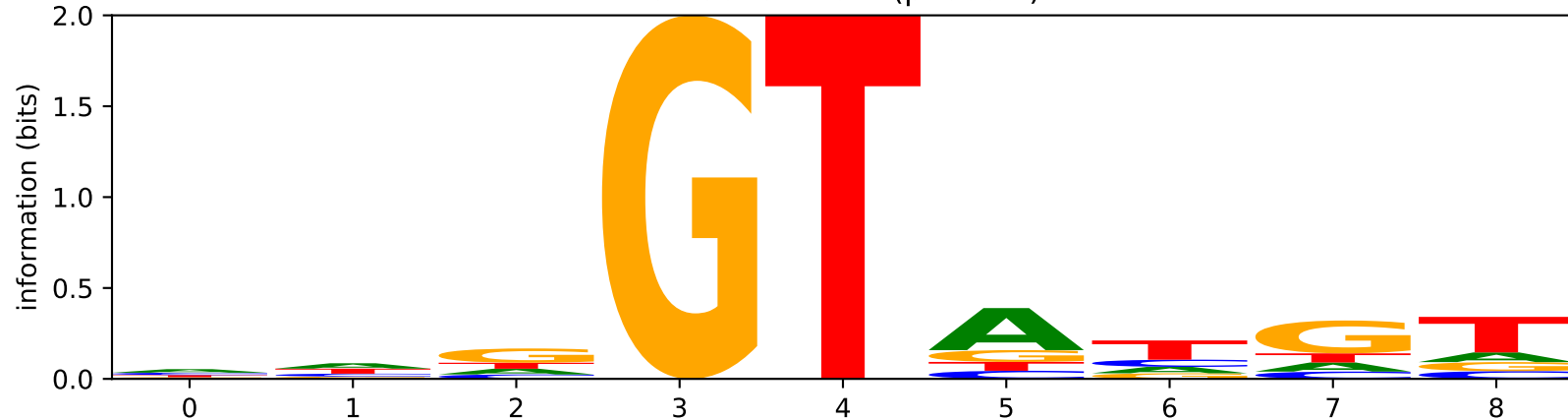
Start motif



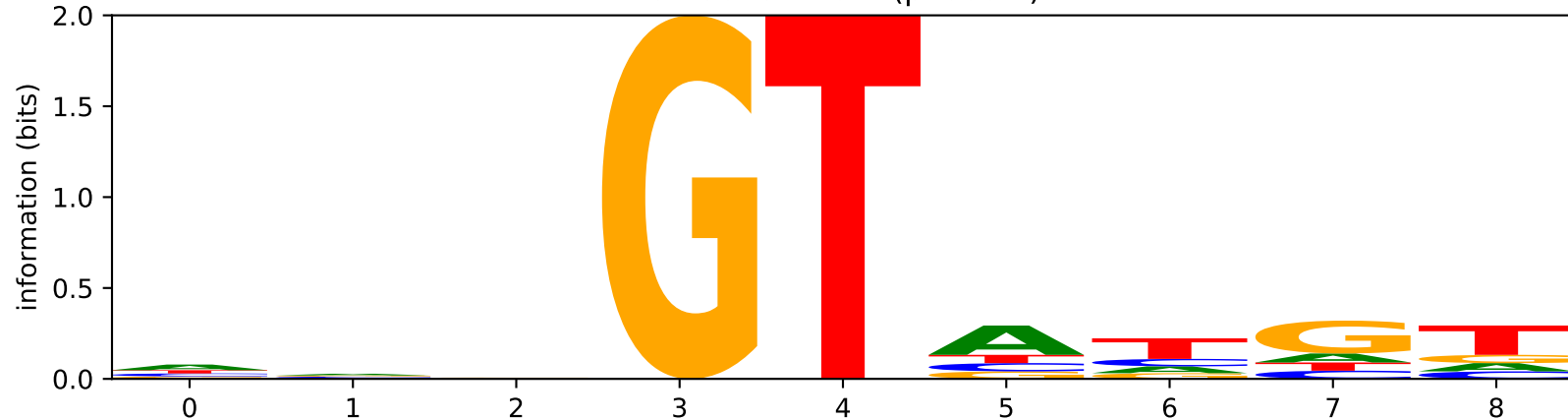
GT donor motif (phase 0)



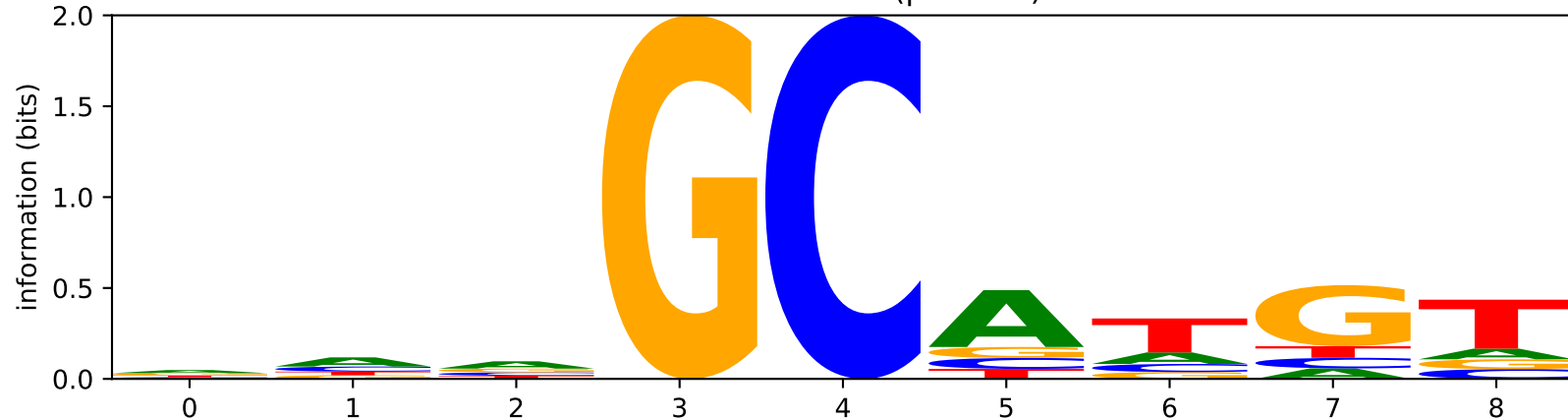
GT donor motif (phase 1)



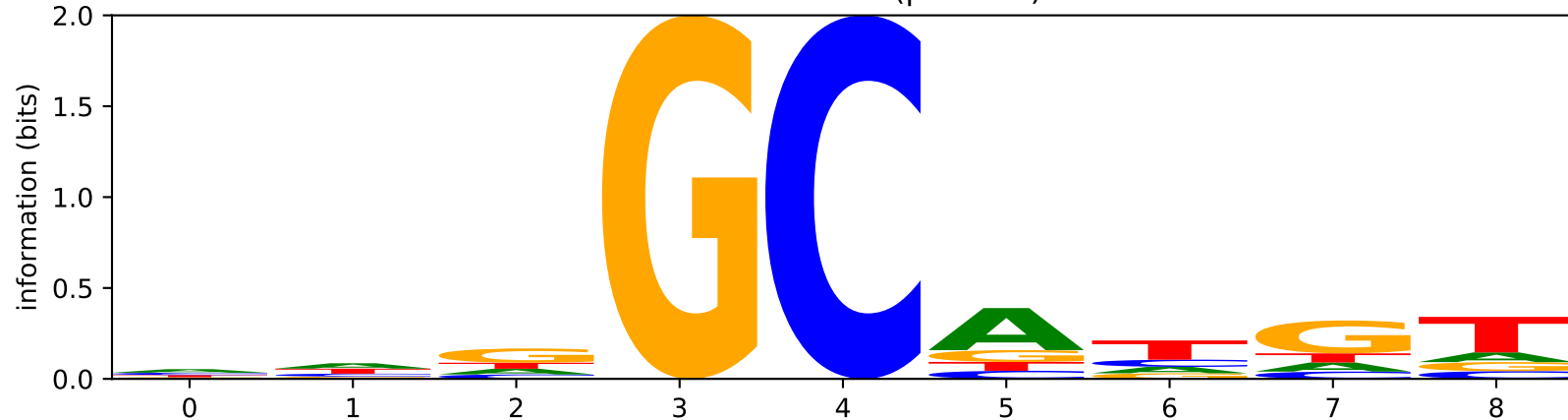
GT donor motif (phase 2)



GC donor motif (phase 0)

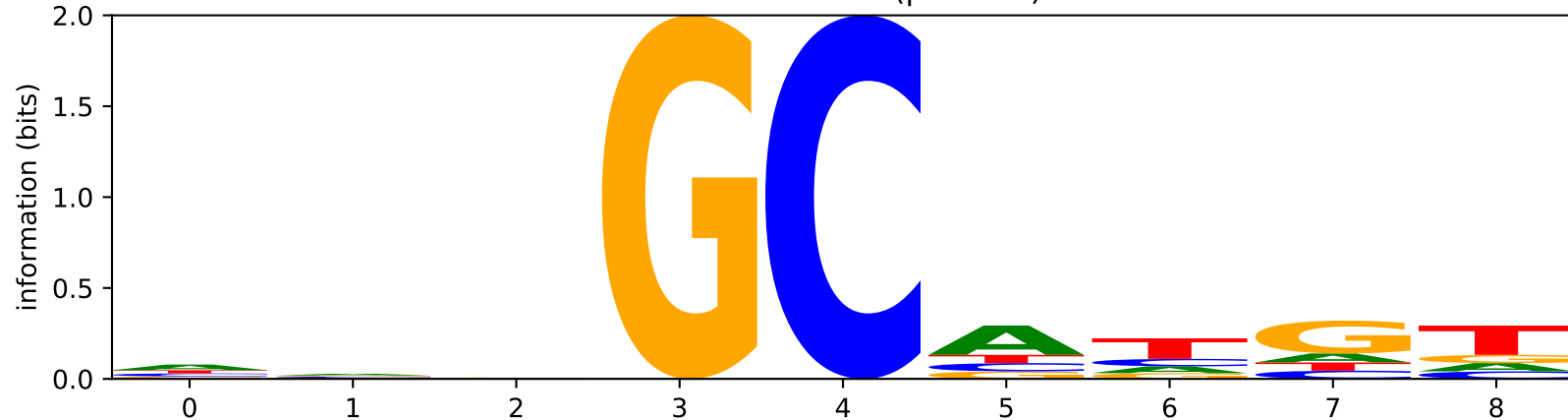


GC donor motif (phase 1)

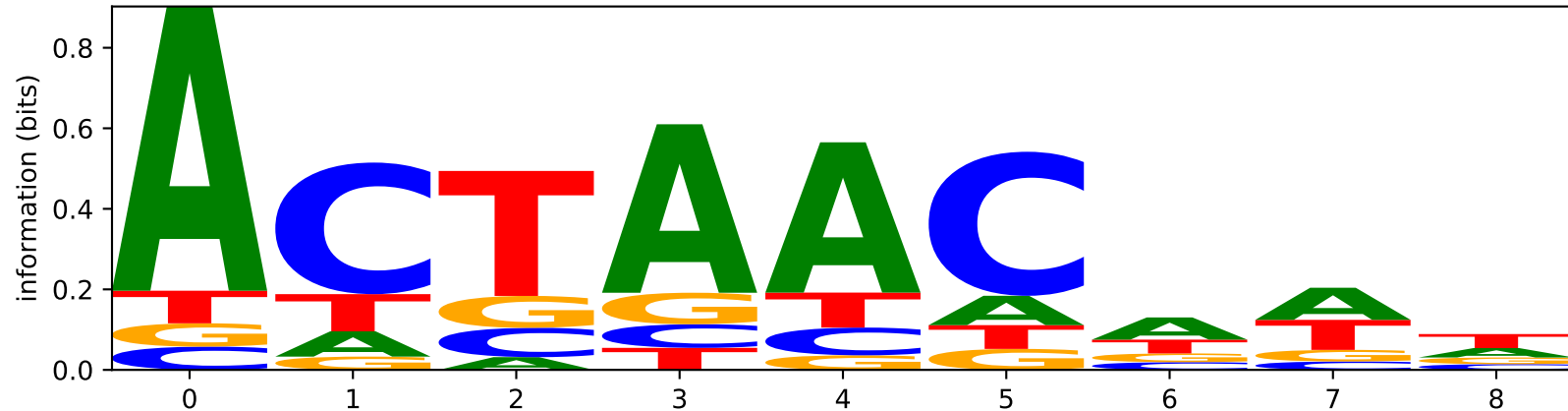




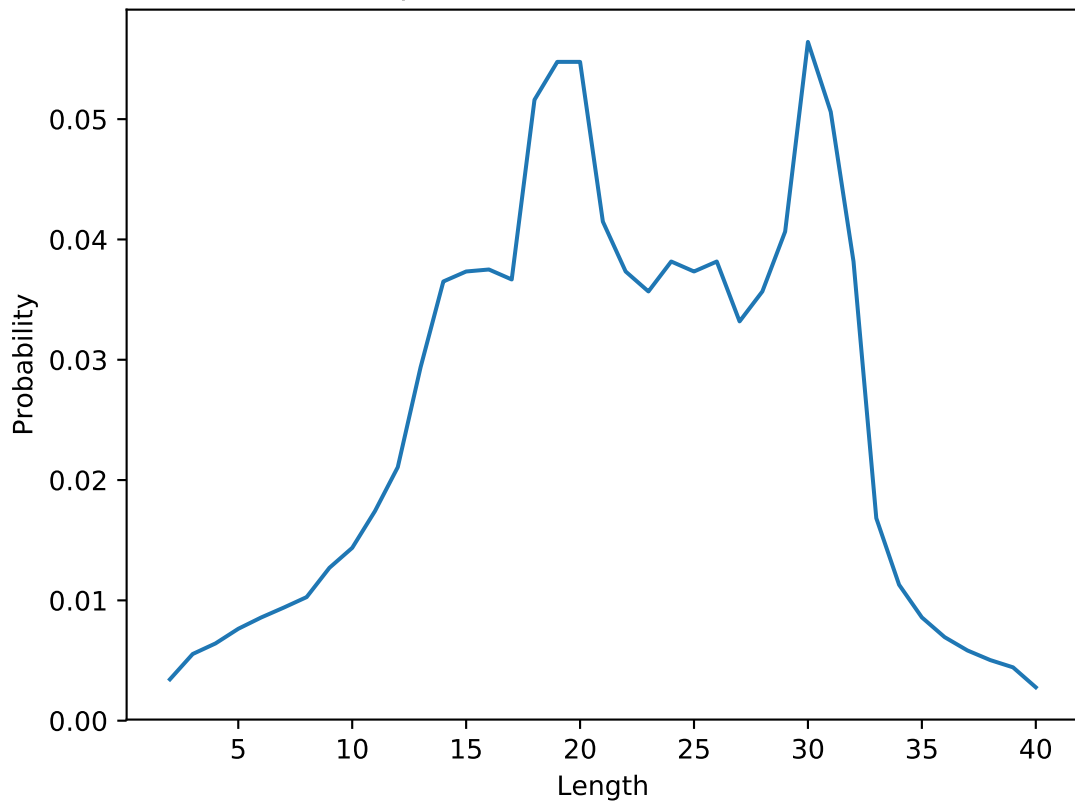
GC donor motif (phase 2)



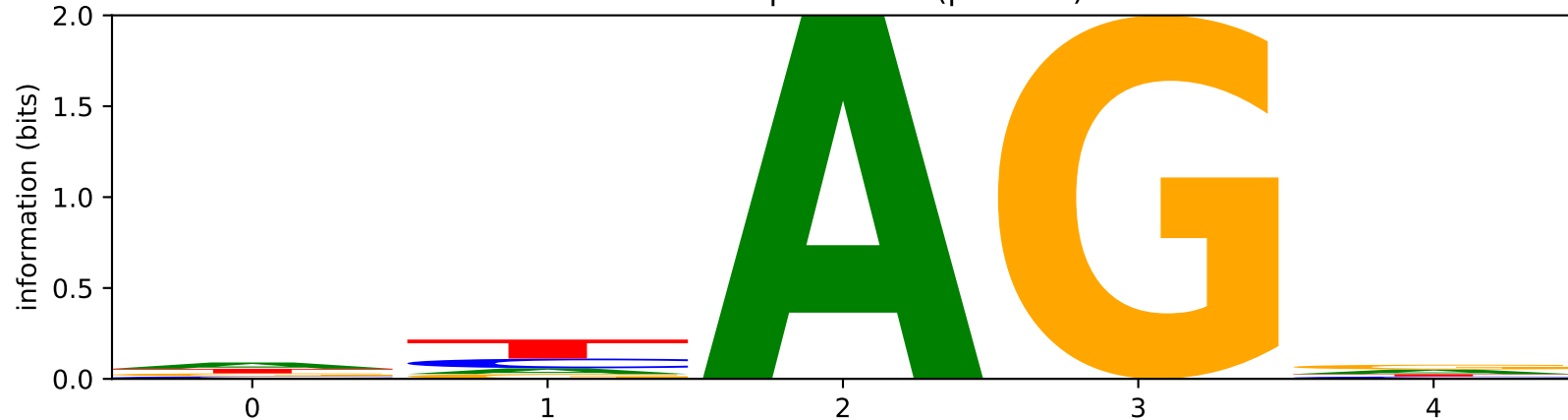
Branch point motif



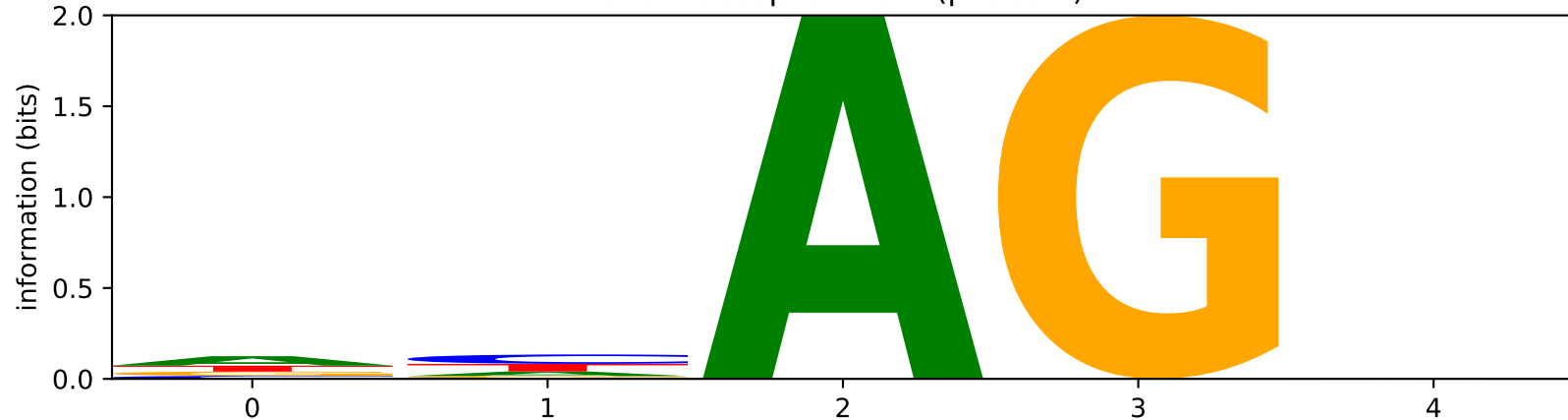
Spacer duration distribution



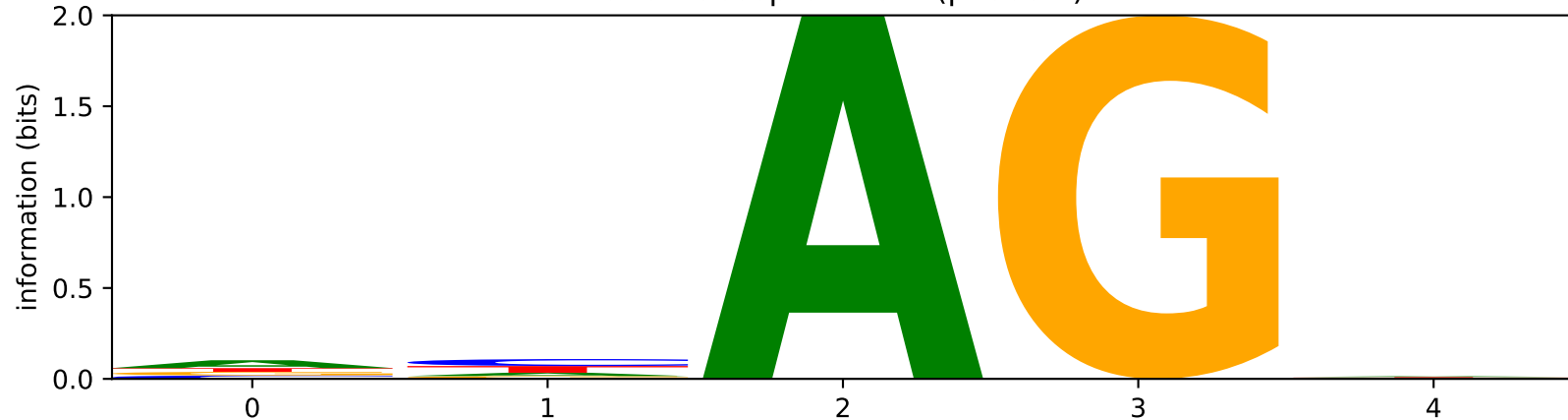
Short acceptor motif (phase 0)



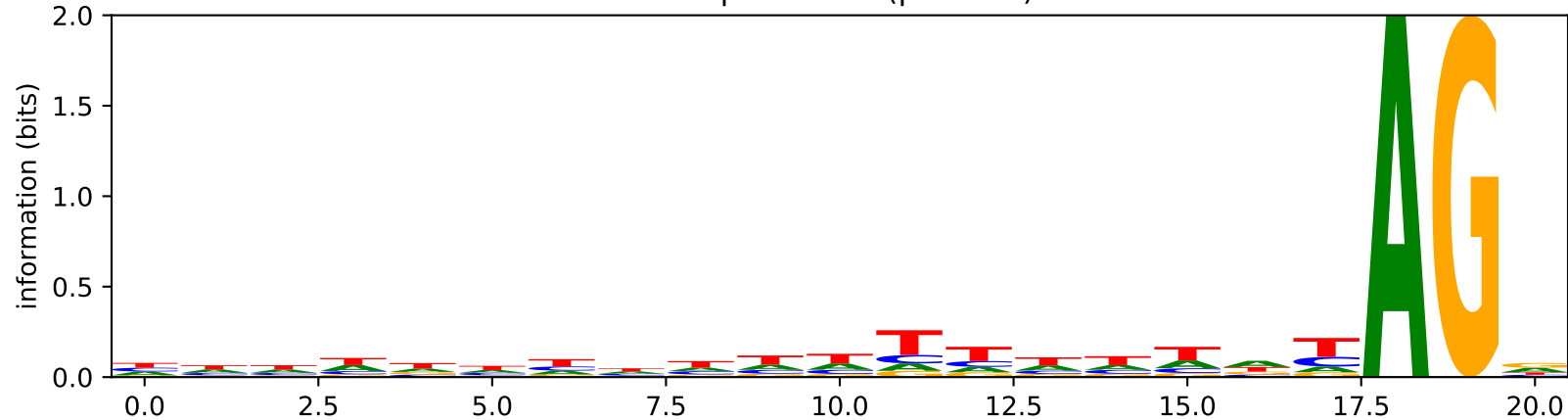
Short acceptor motif (phase 1)



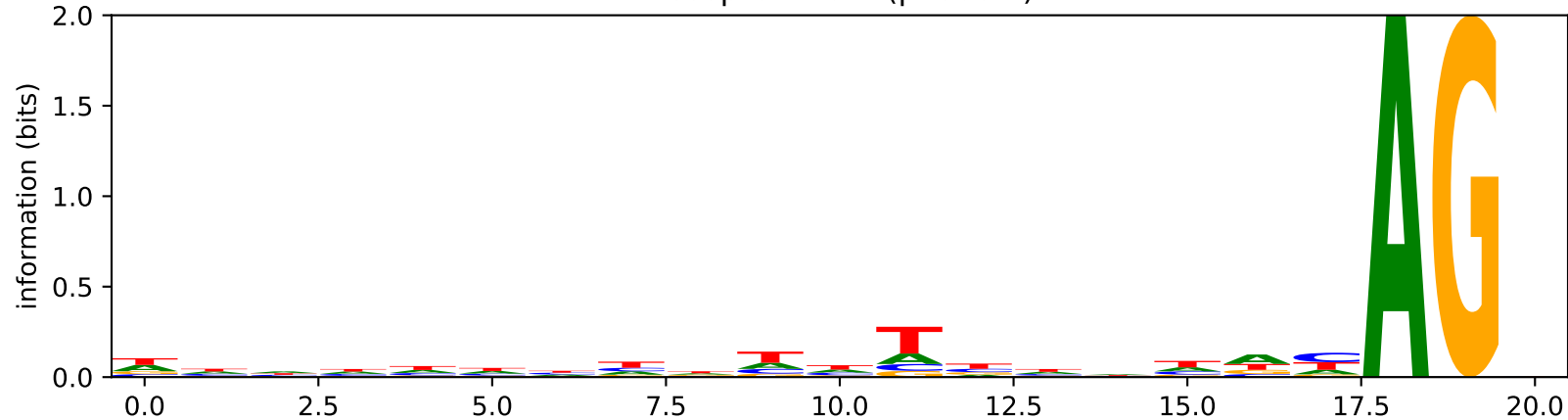
Short acceptor motif (phase 2)



Acceptor motif (phase 0)

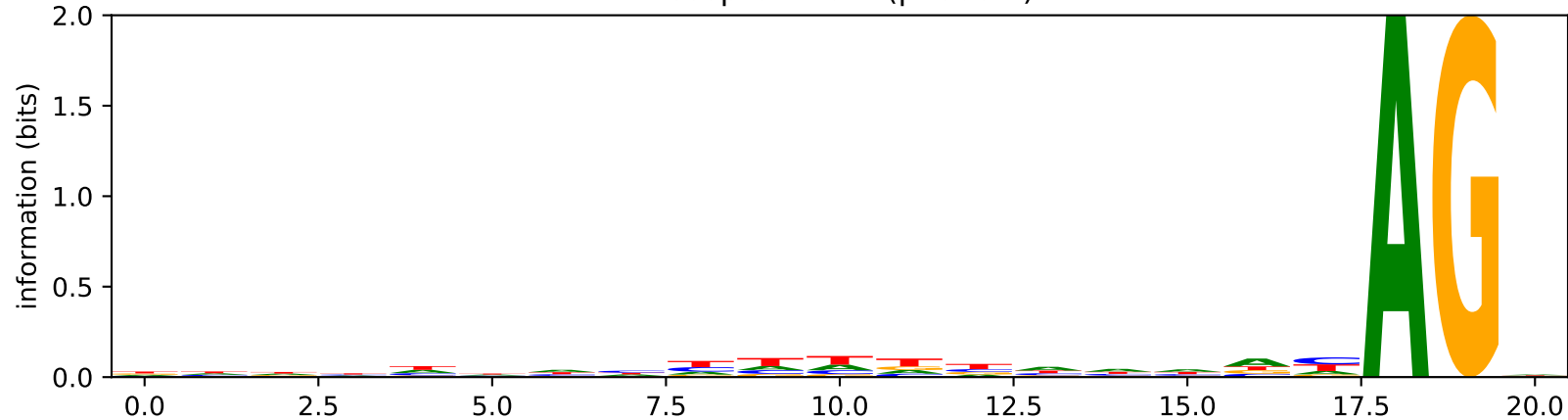


Acceptor motif (phase 1)

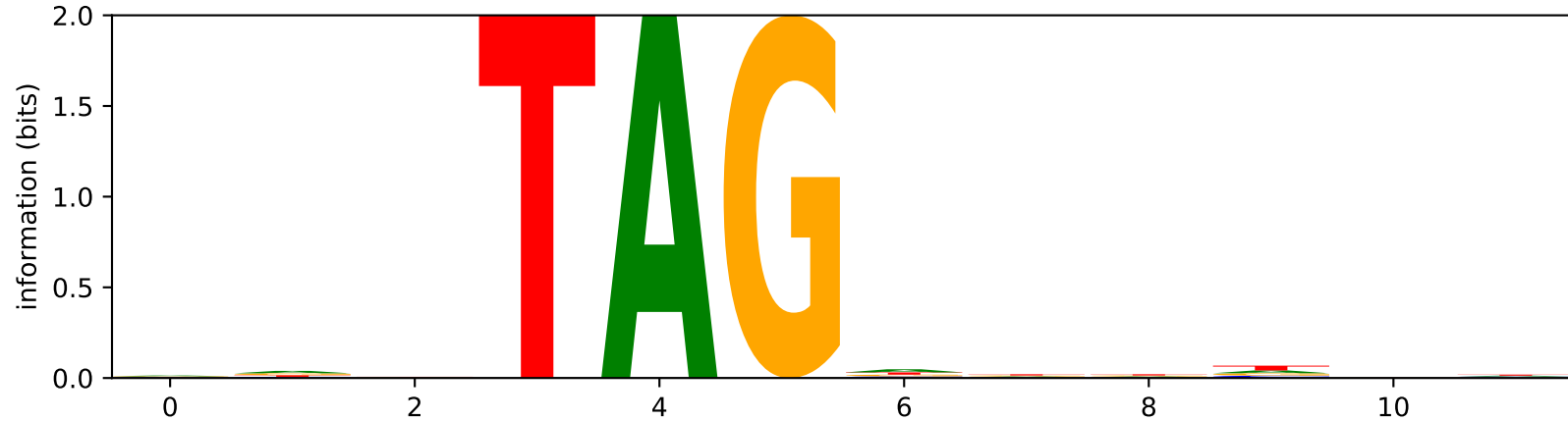




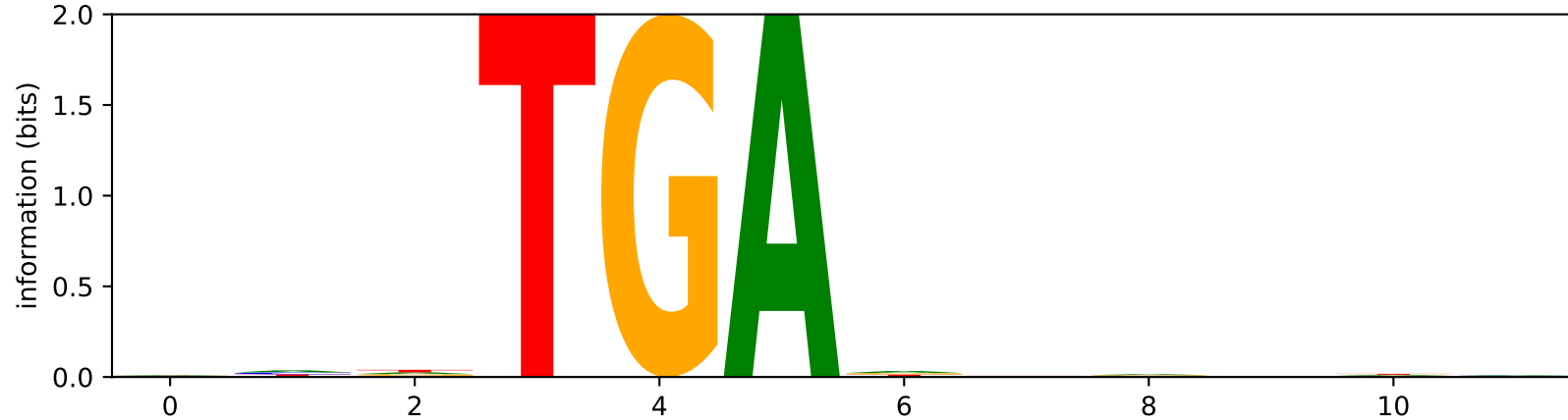
Acceptor motif (phase 2)



Amber motif



Umber motif



Ochre motif

