

# GeneMark Prediction Report

## General Statistics

Gene count: 29806

Single-exon genes: 5778

Multi-exon genes: 24028

Introns per gene: 4.18

Introns per multi-exon gene: 5.18

Genes fully supported by external evidence: 20158 (67.63%)

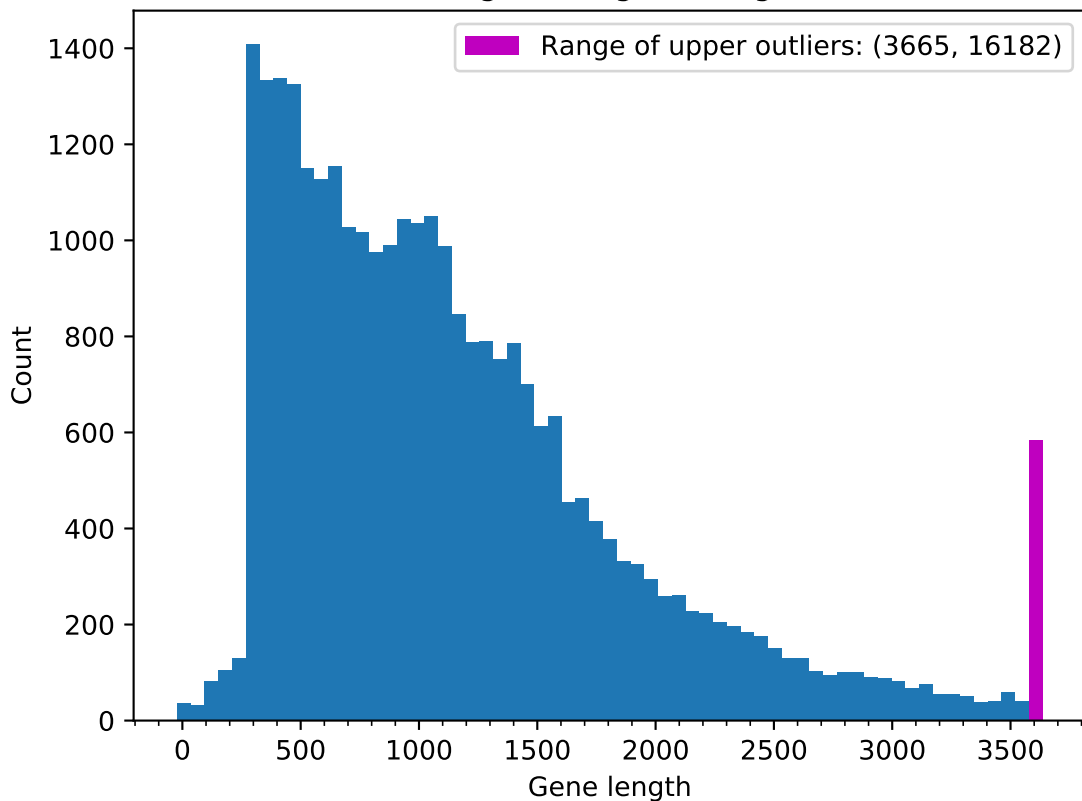
Genes partially supported by external evidence: 26233 (88.01%)

Genes unsupported by any external evidence: 3573 (11.99%)

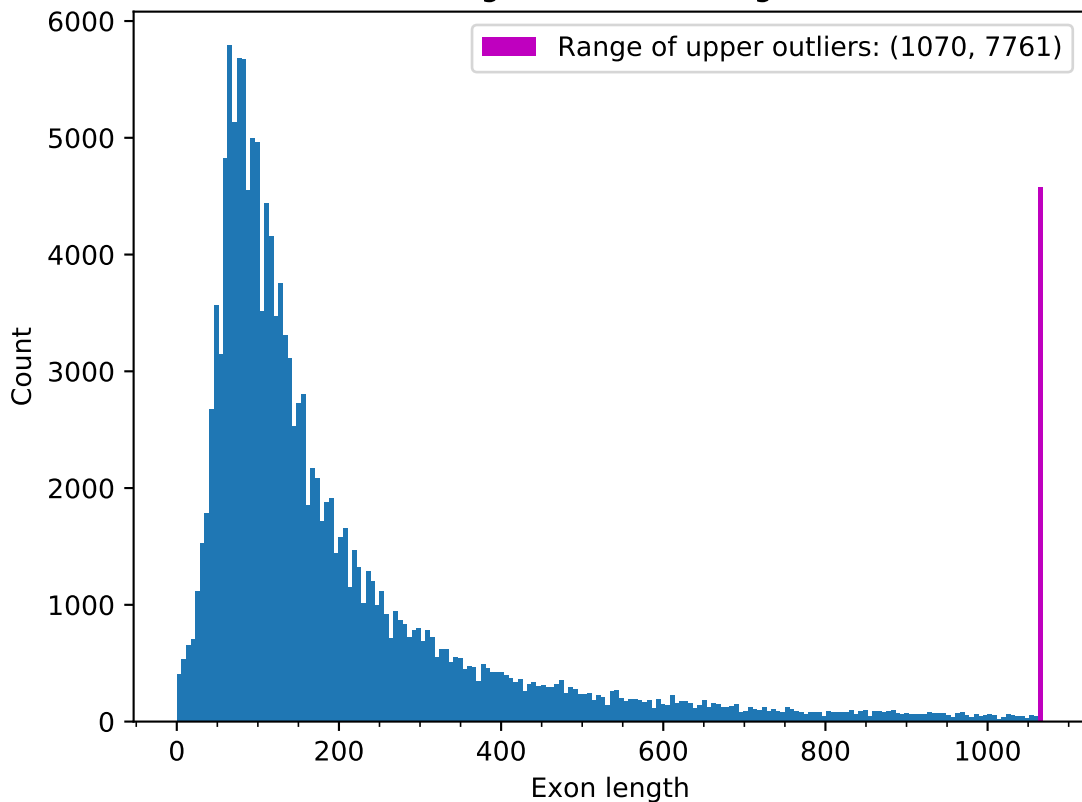
Complete genes: 29587 (99.27%)

Partial genes: 219 (0.73%)

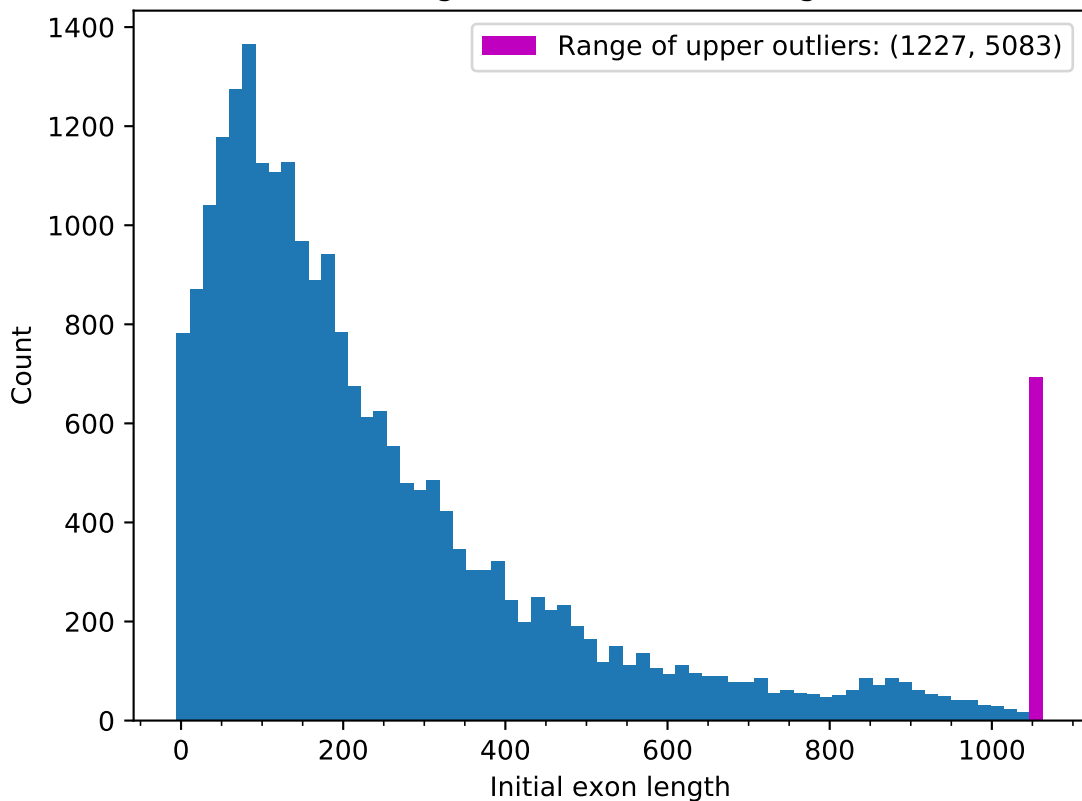
Histogram of gene lengths



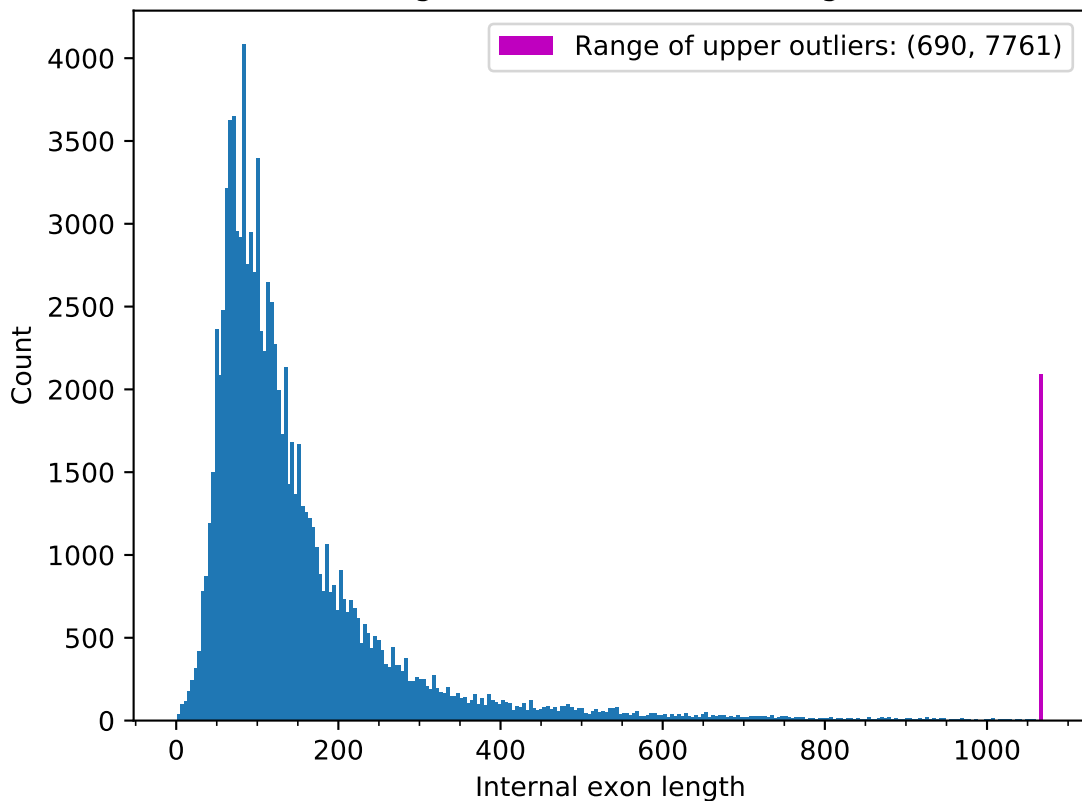
Histogram of exon lengths



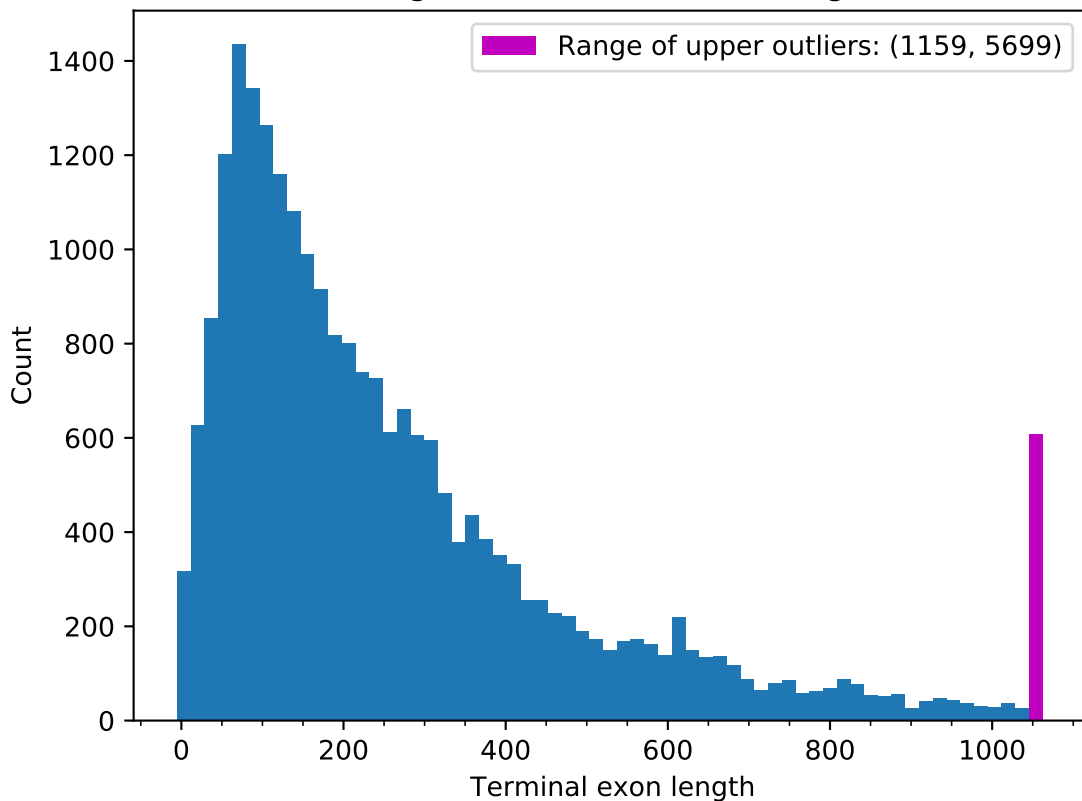
Histogram of initial exon lengths



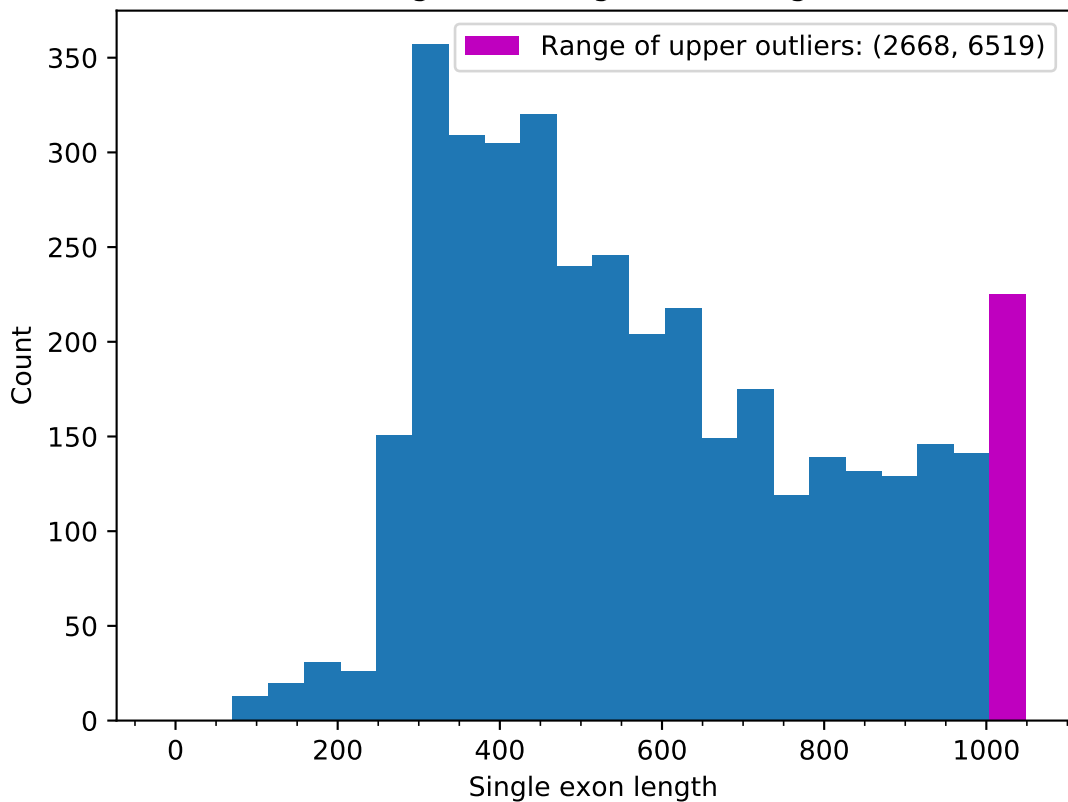
Histogram of internal exon lengths



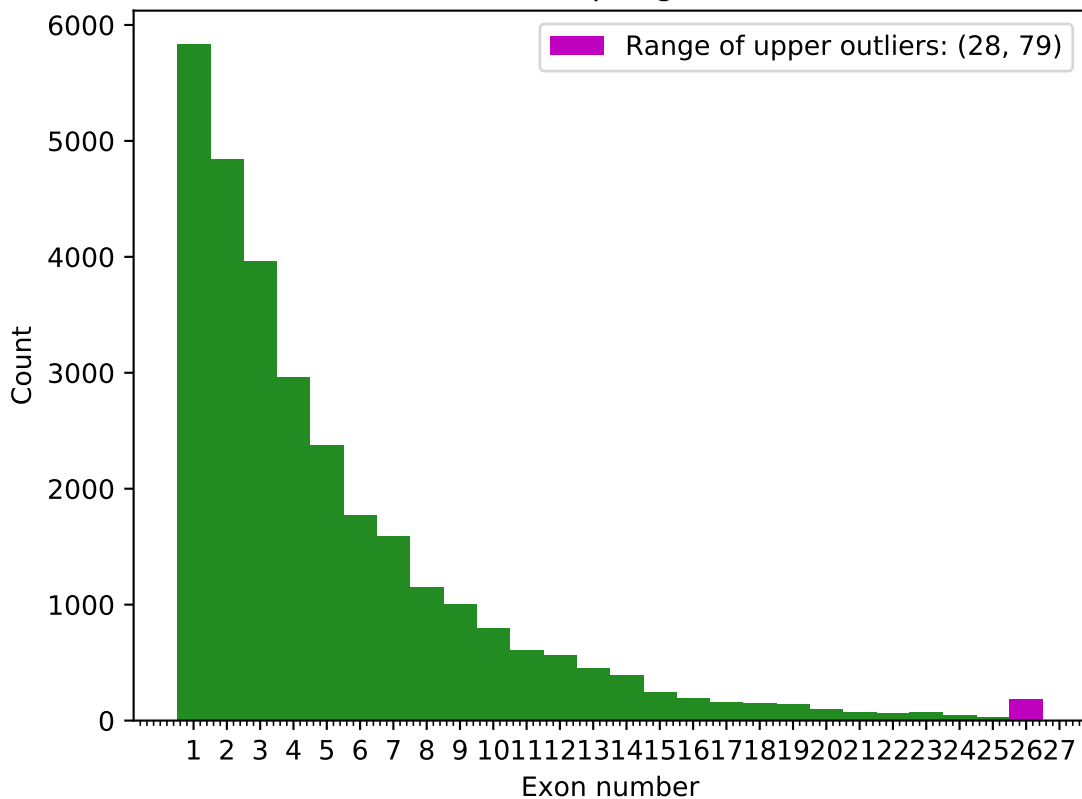
Histogram of terminal exon lengths



# Histogram of single exon lengths

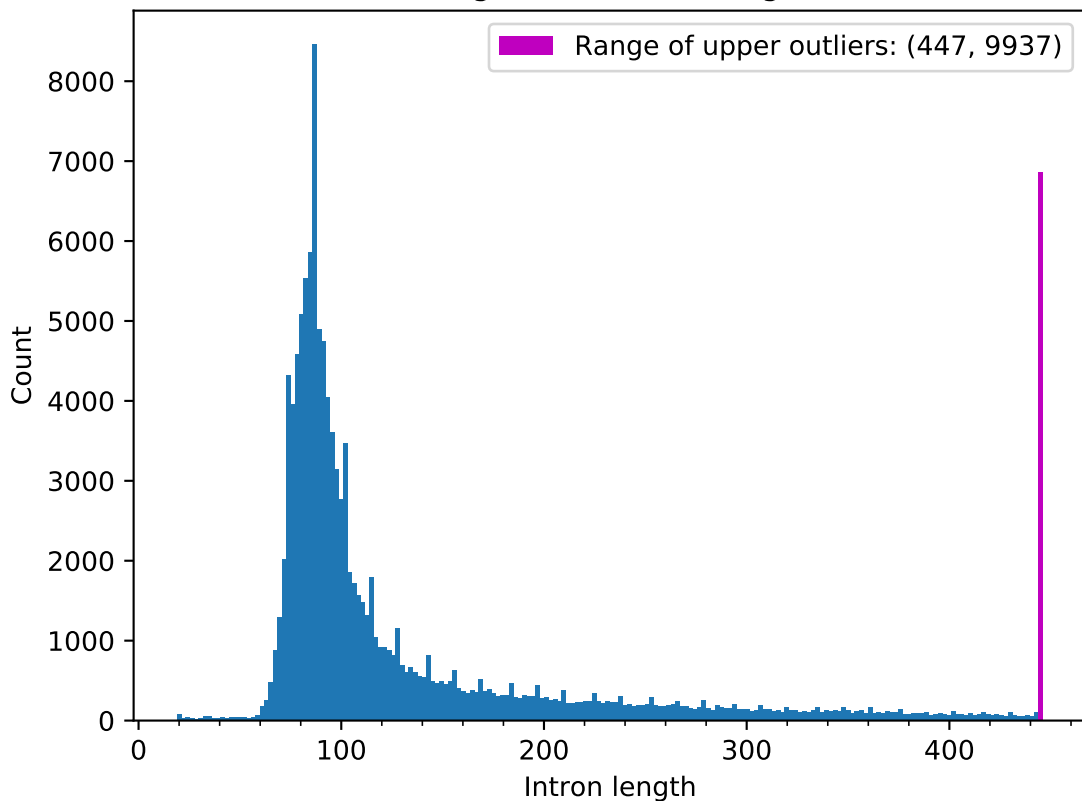


## Exons per gene

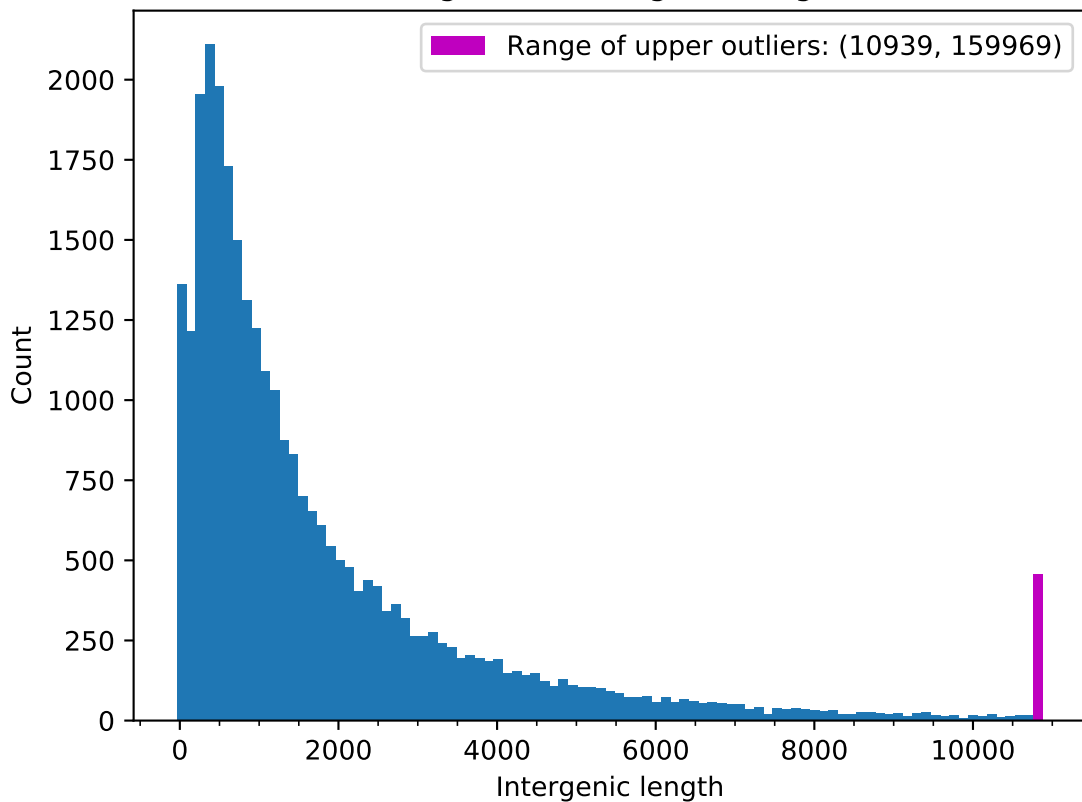




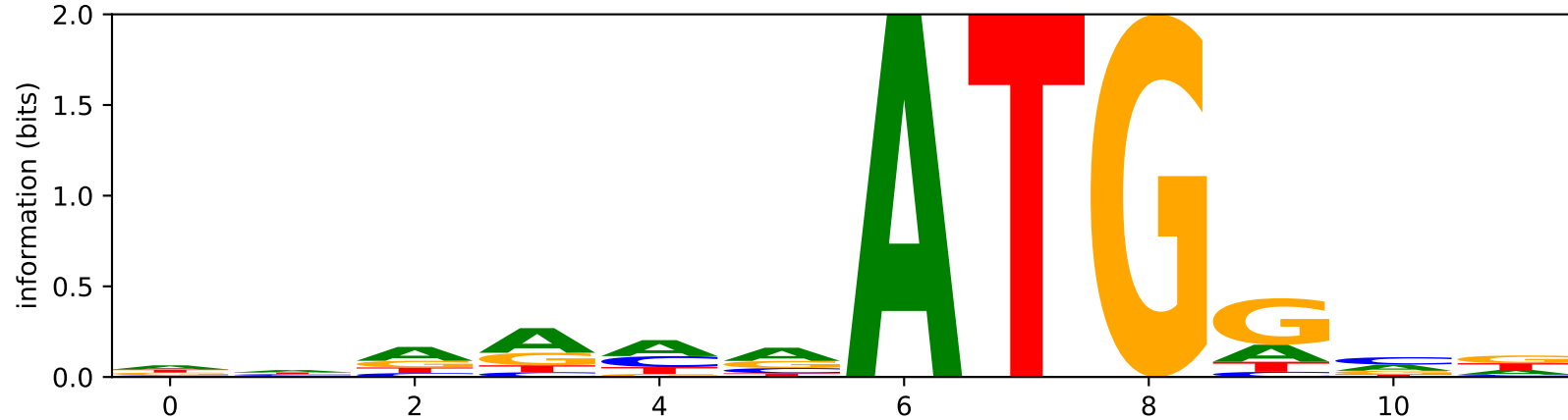
Histogram of intron lengths



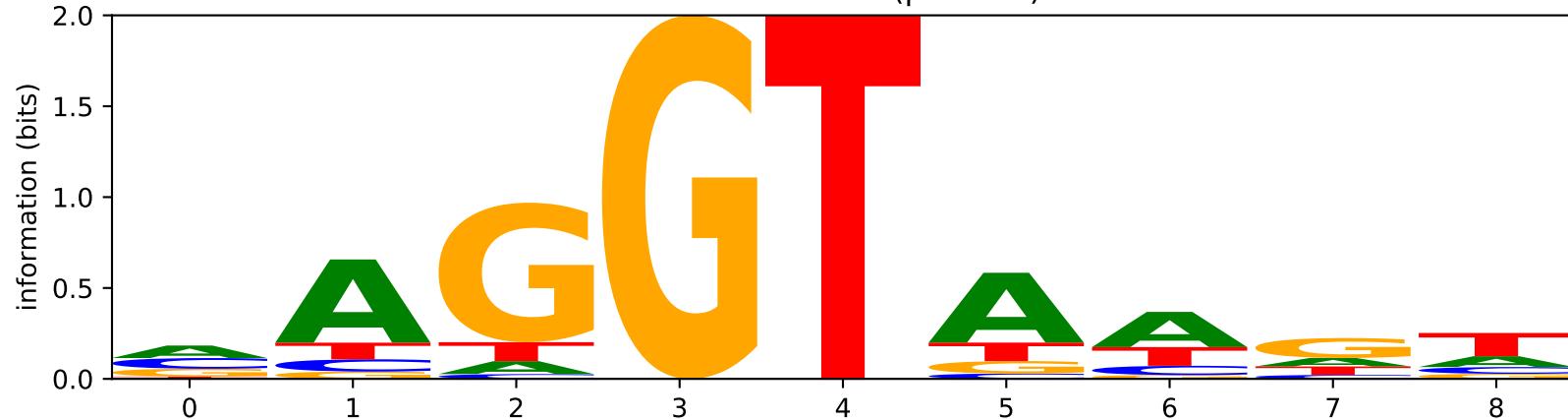
Histogram of intergenic lengths



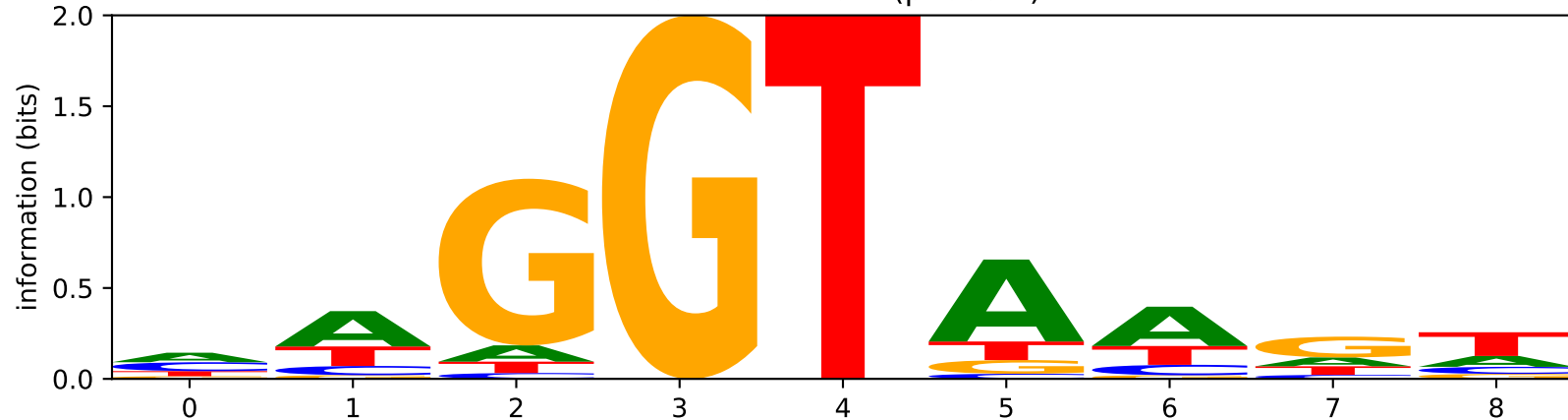
Start motif



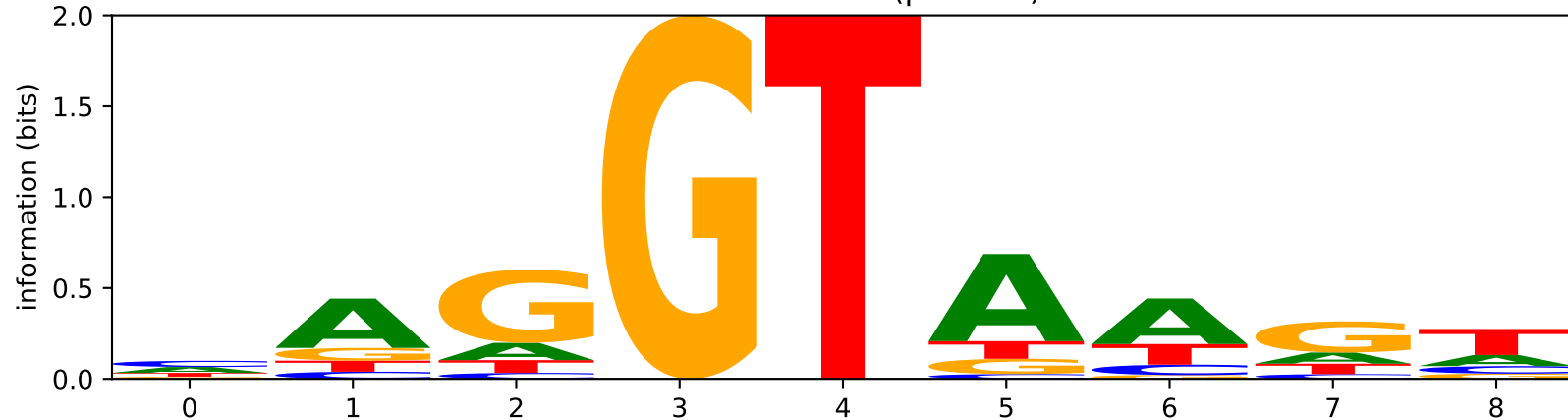
GT donor motif (phase 0)



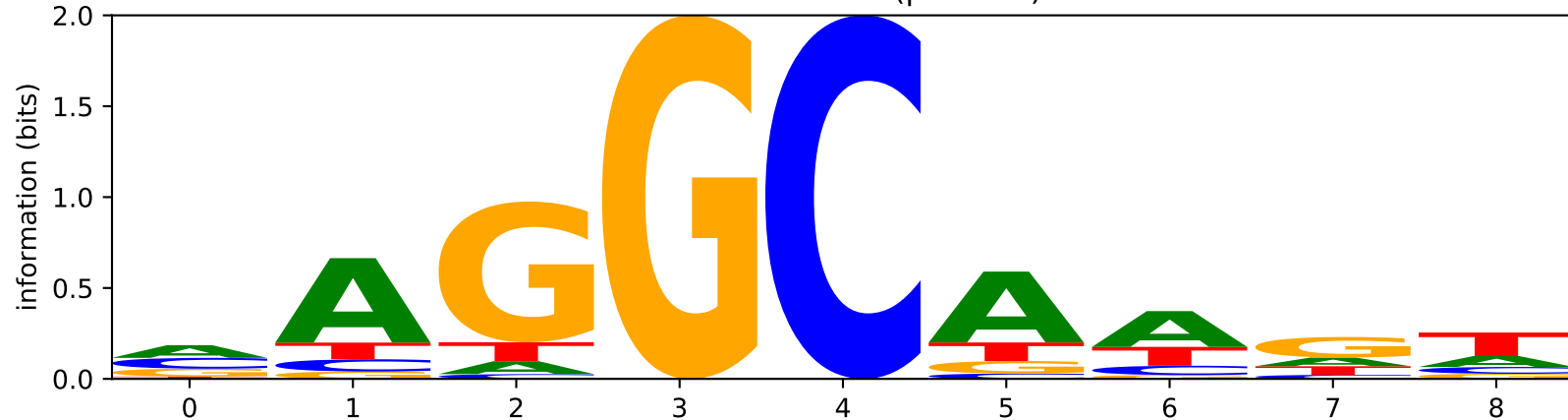
GT donor motif (phase 1)



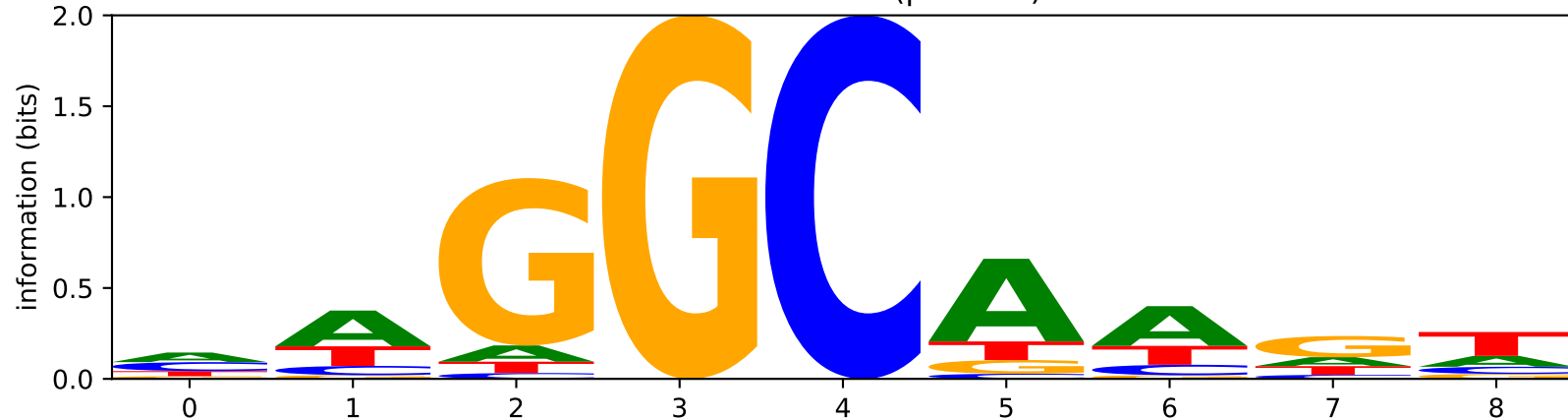
GT donor motif (phase 2)



GC donor motif (phase 0)

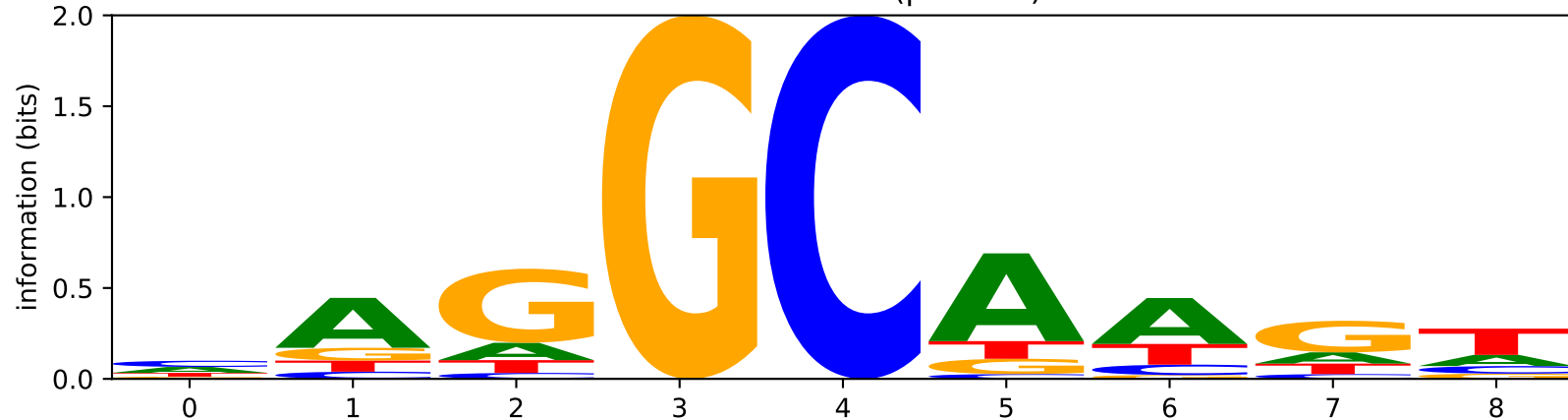


GC donor motif (phase 1)

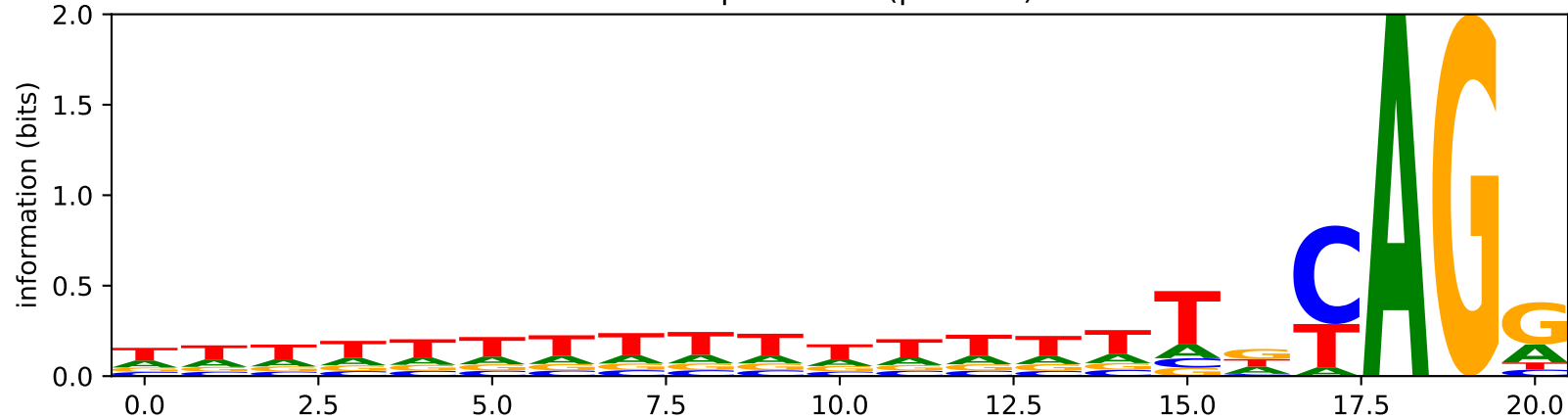




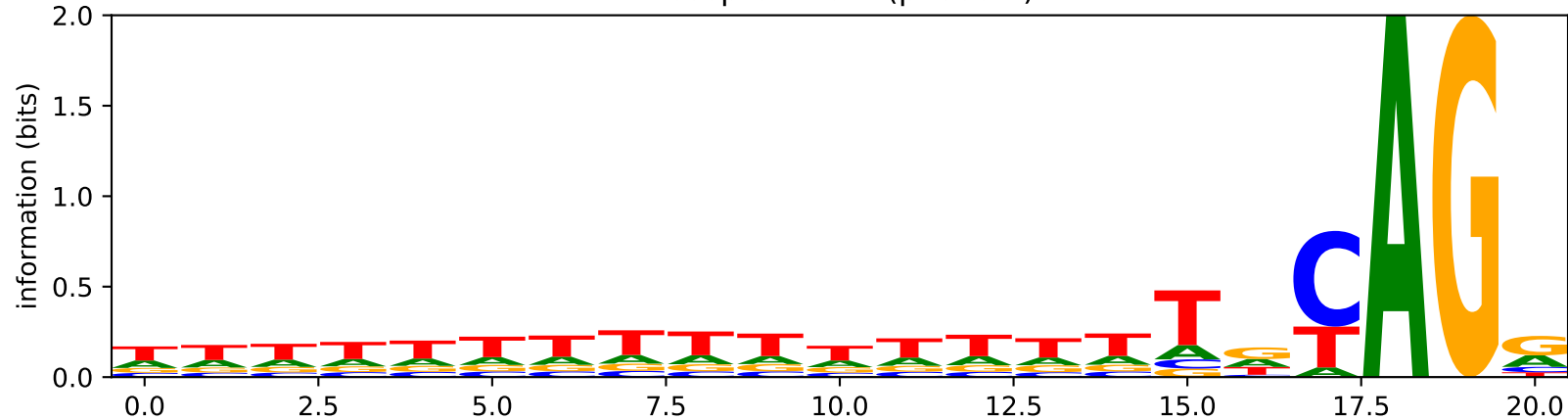
GC donor motif (phase 2)



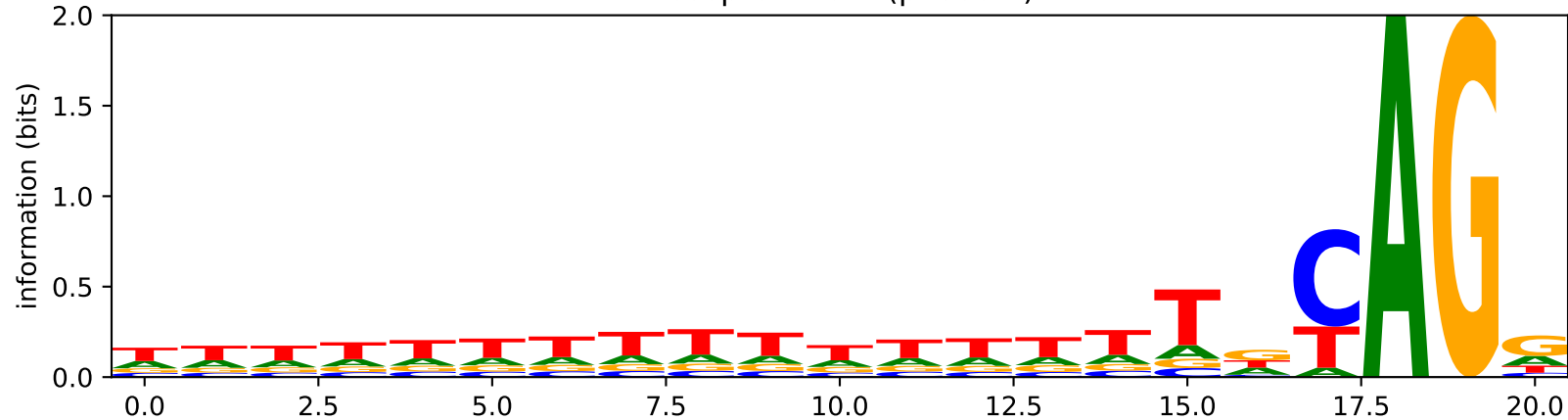
Acceptor motif (phase 0)



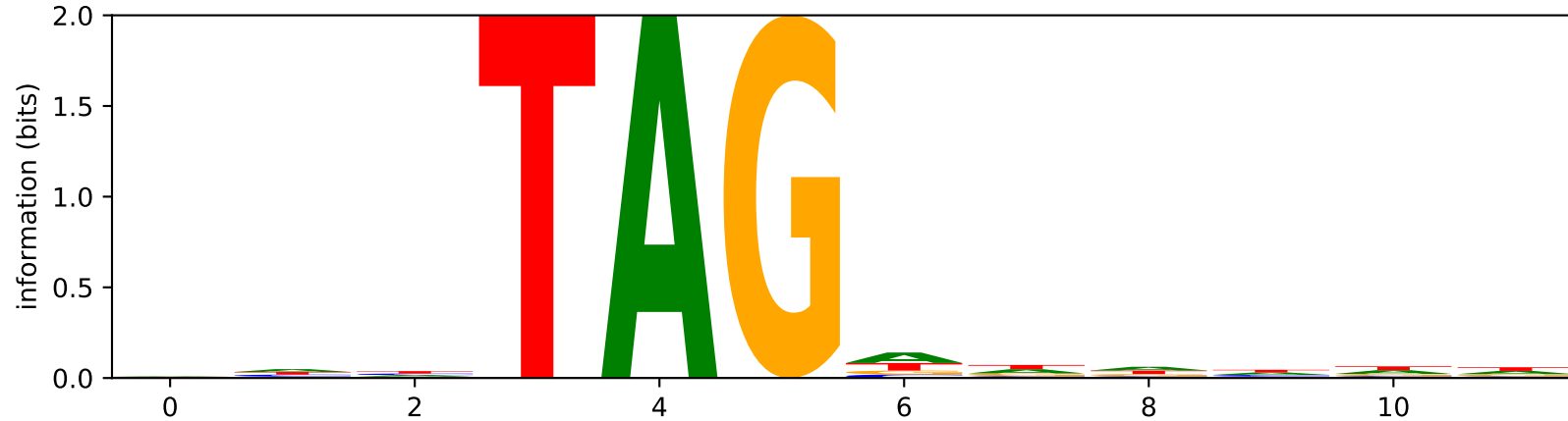
Acceptor motif (phase 1)



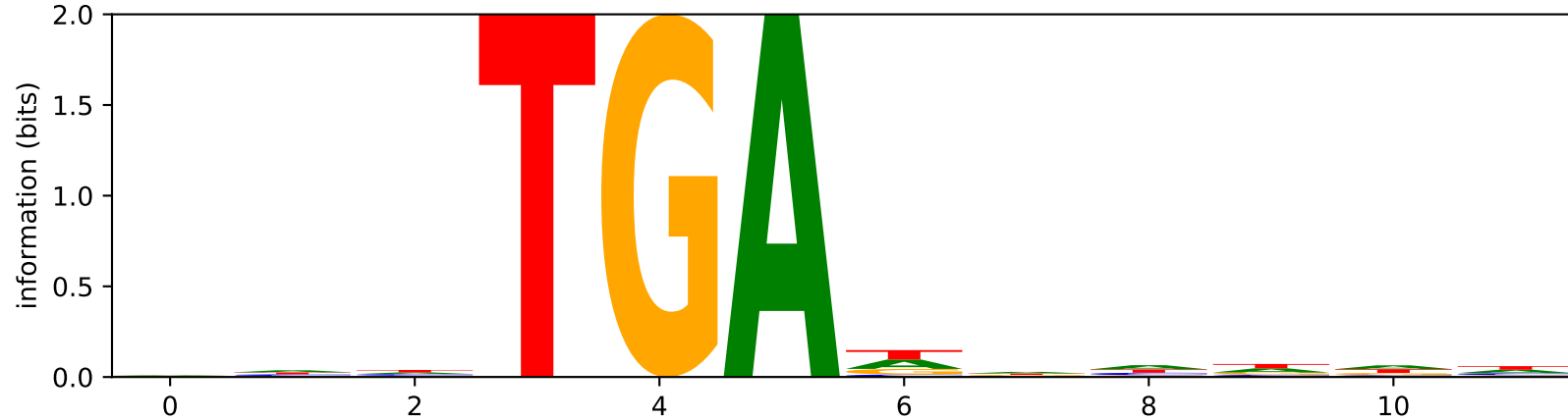
Acceptor motif (phase 2)



Amber motif



Umber motif



Ochre motif

