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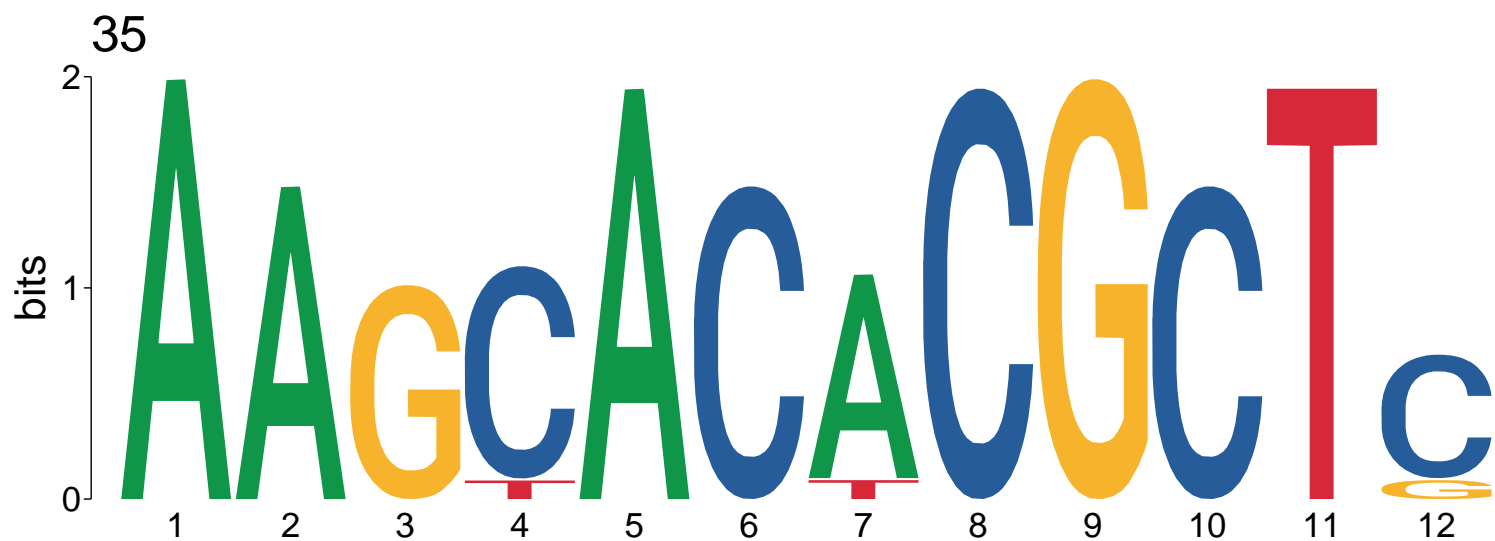
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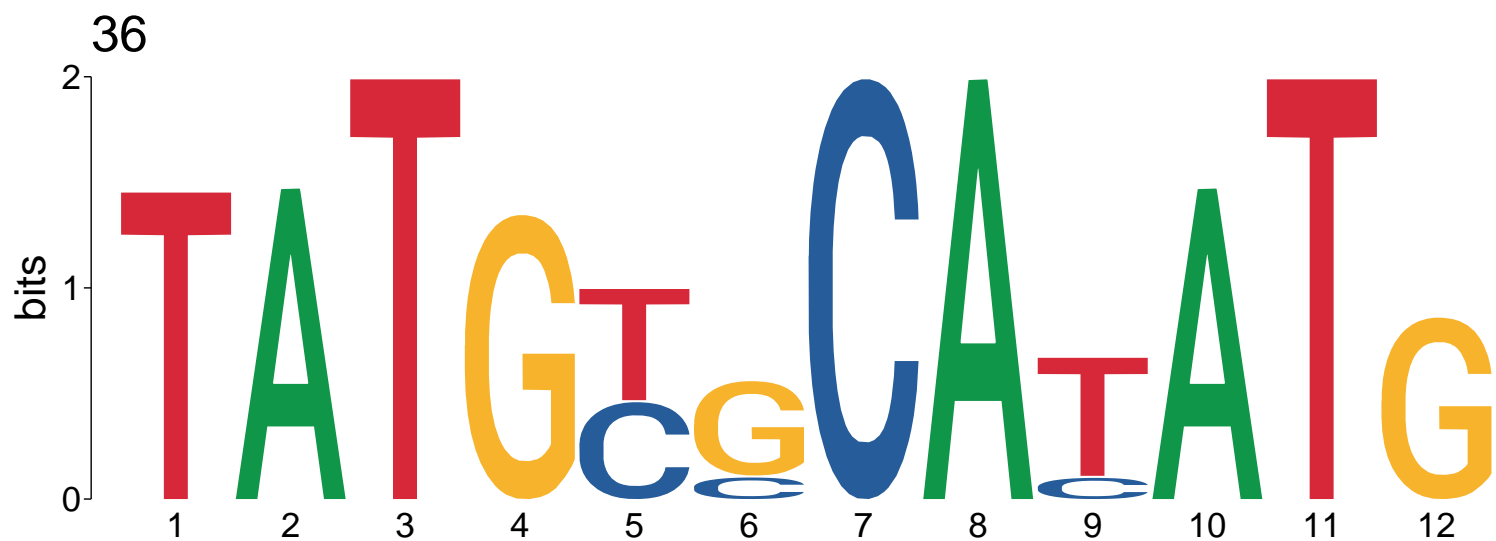
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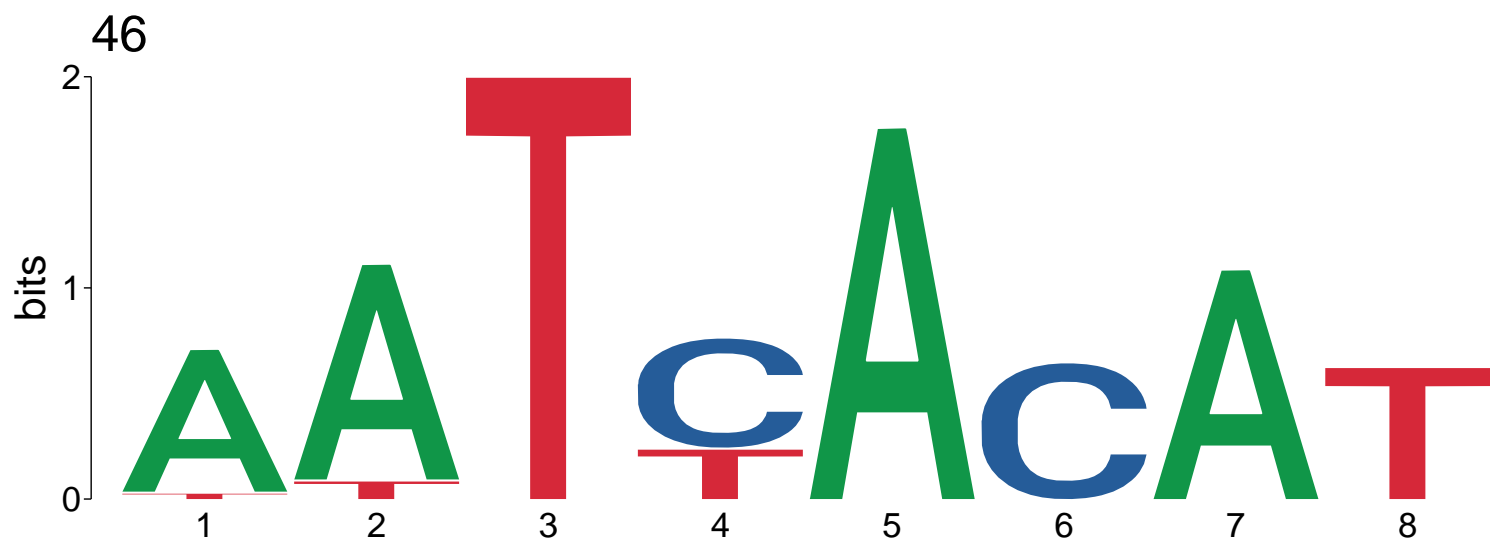


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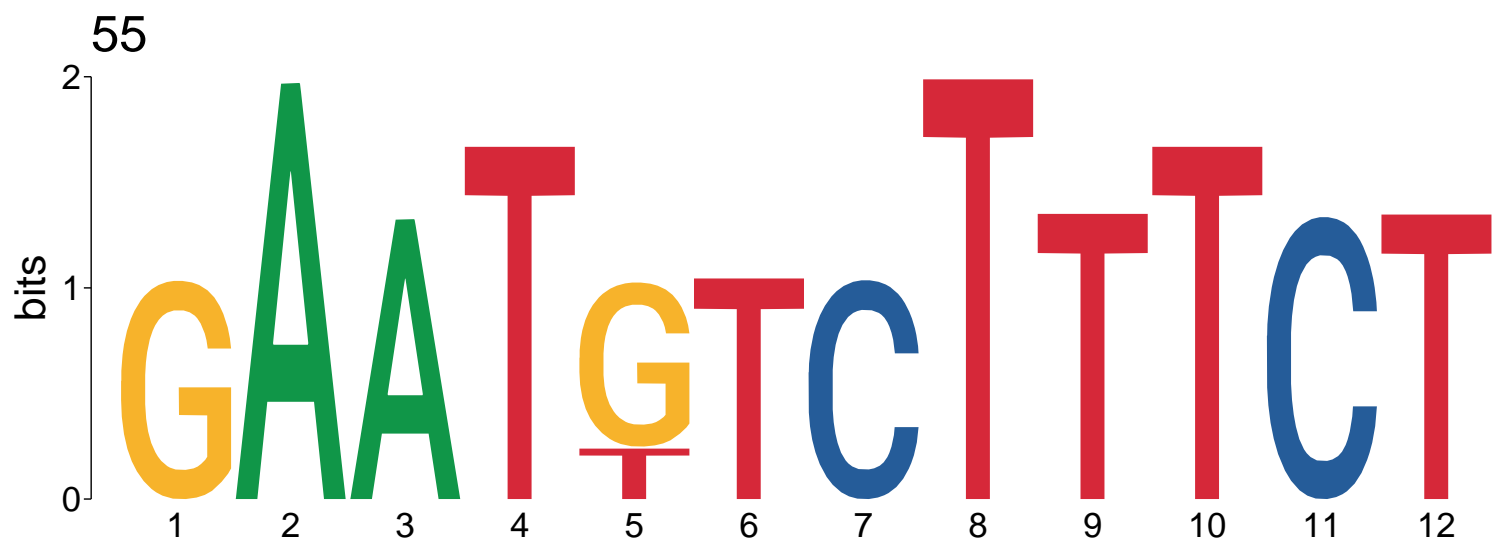






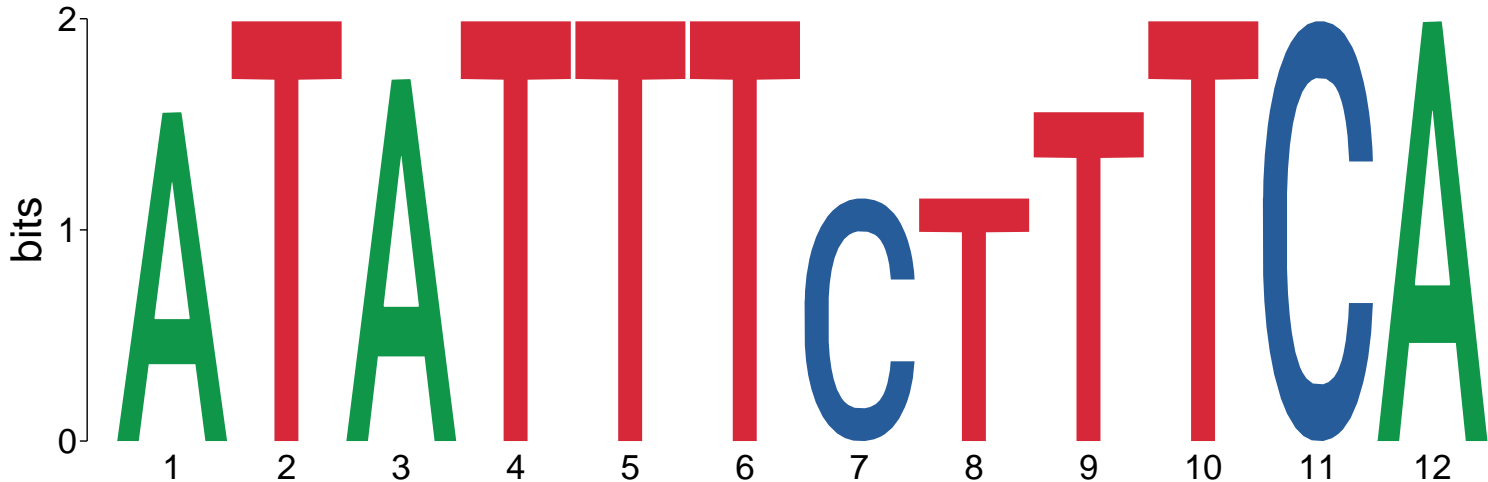








57









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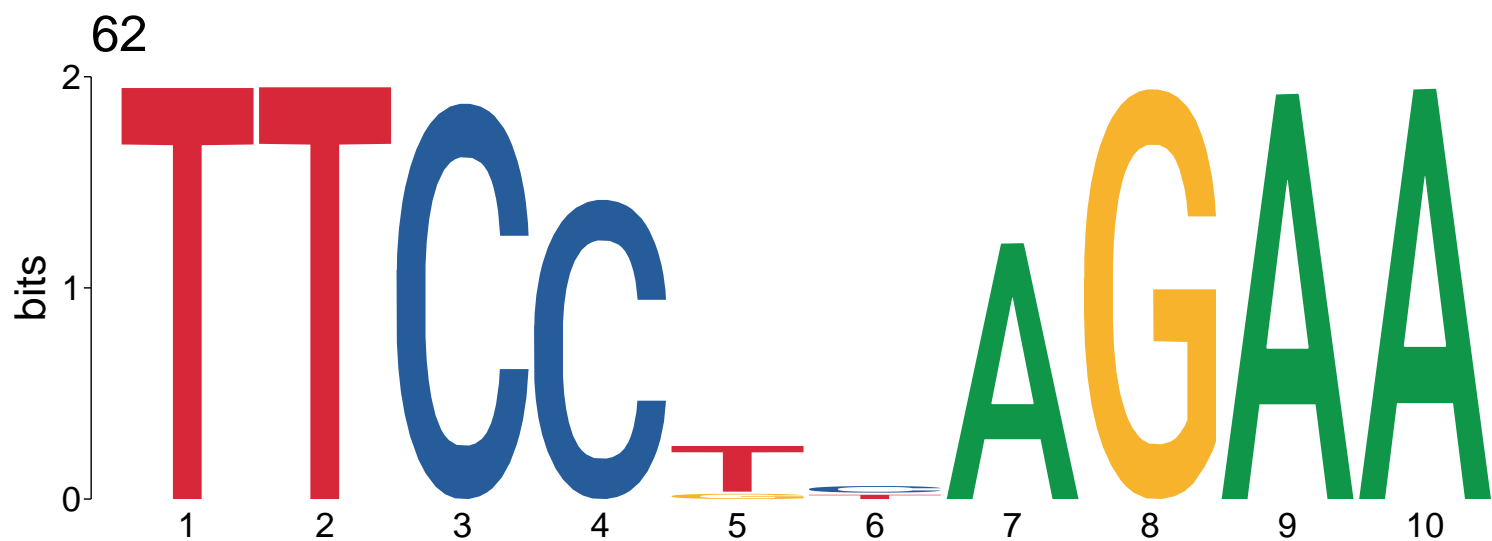
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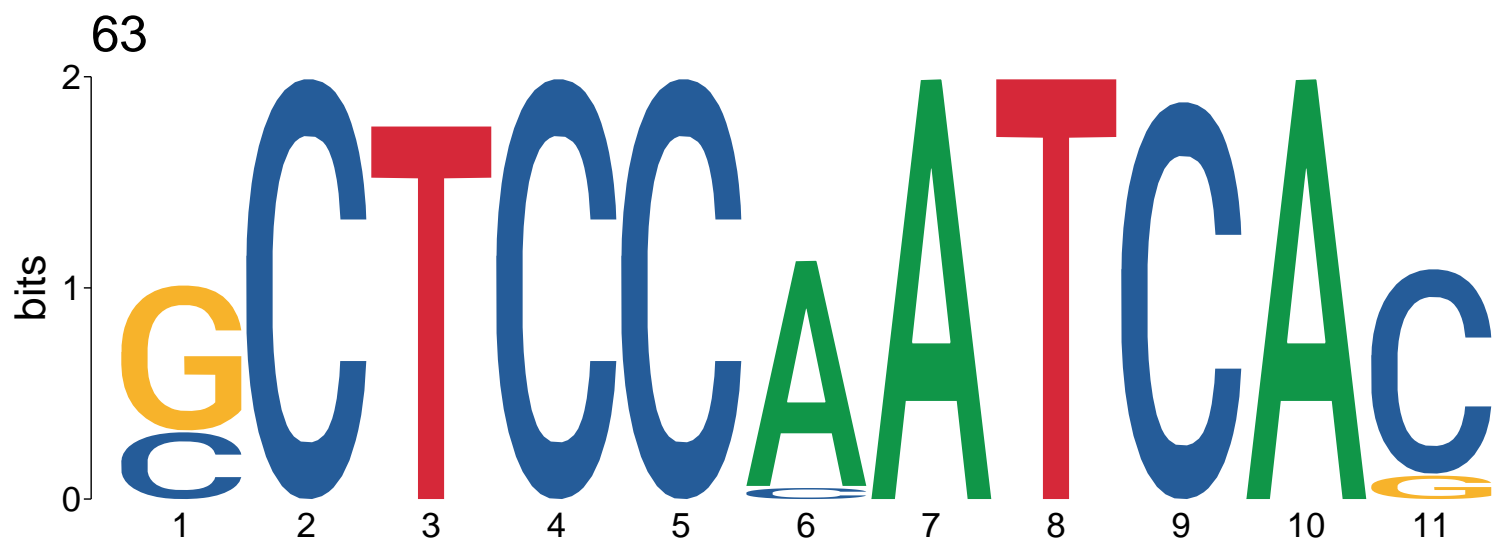
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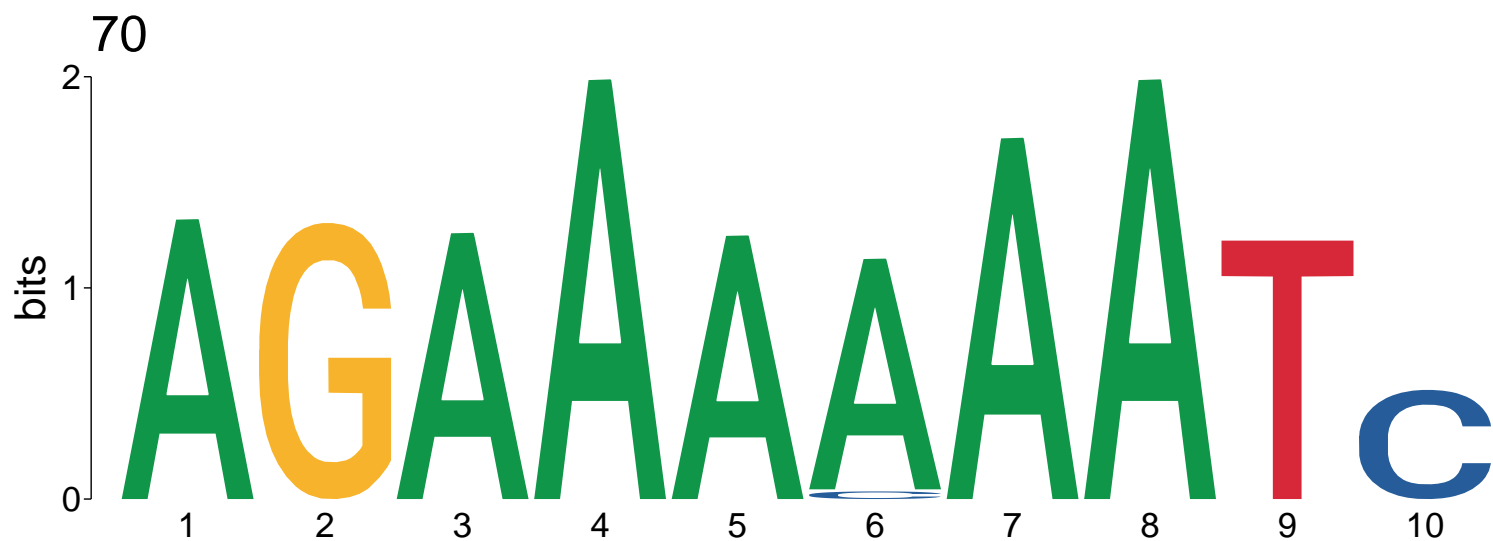
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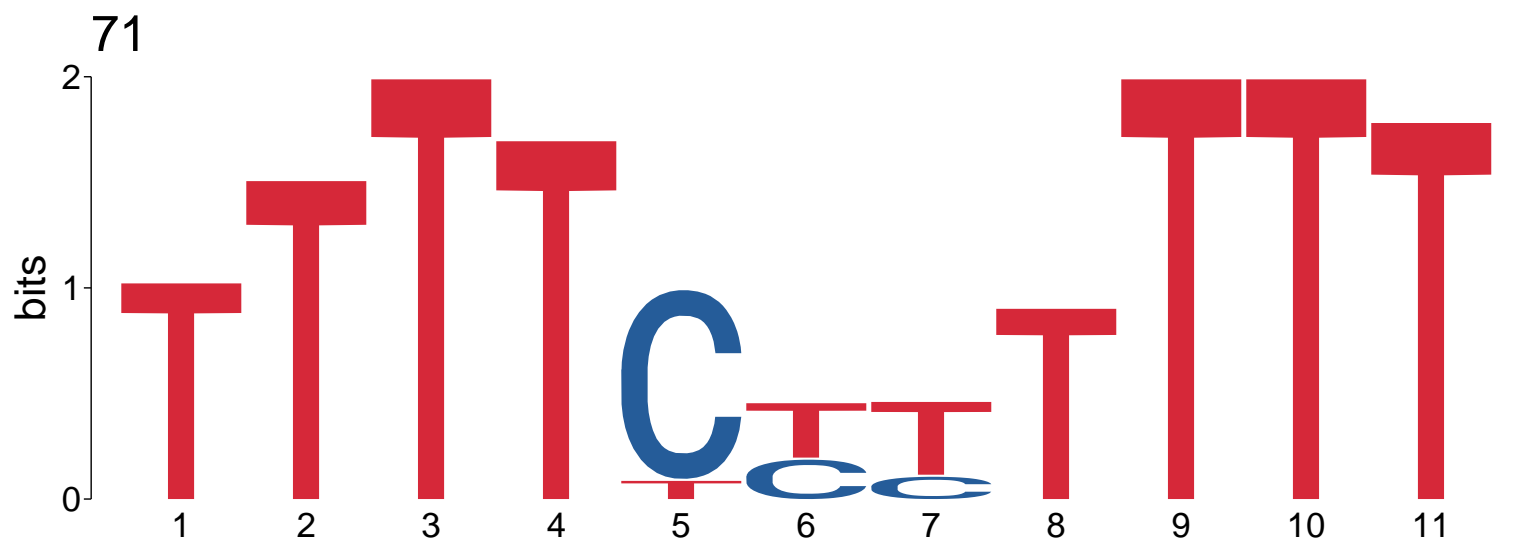
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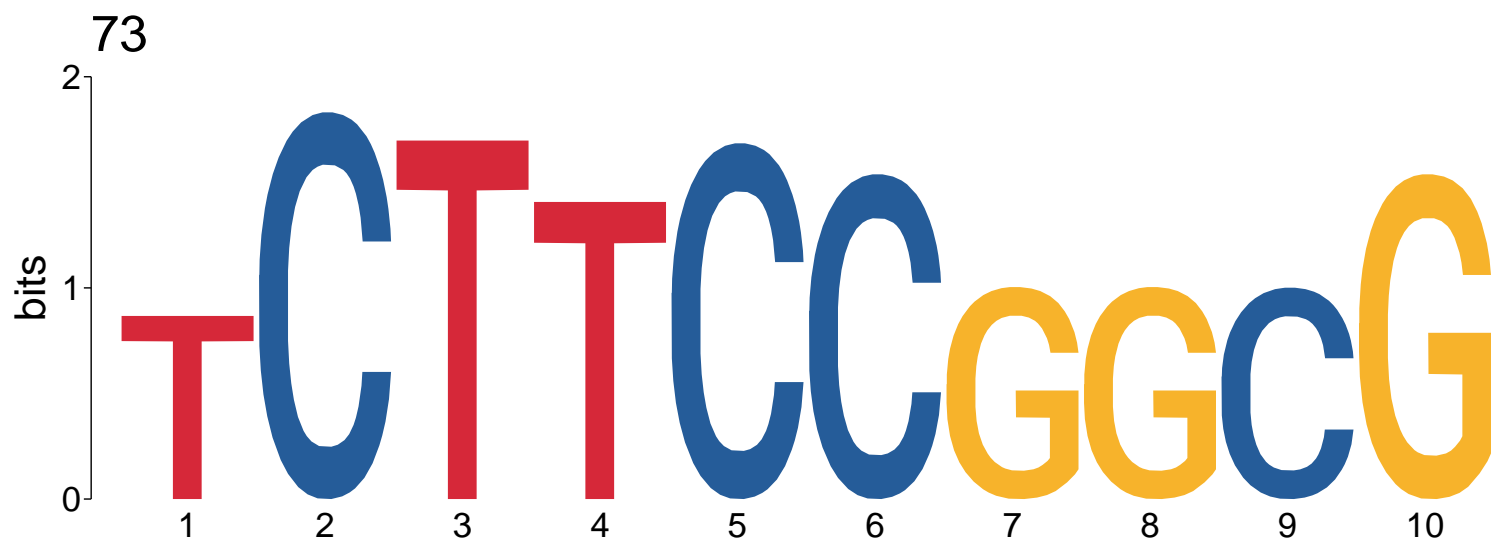
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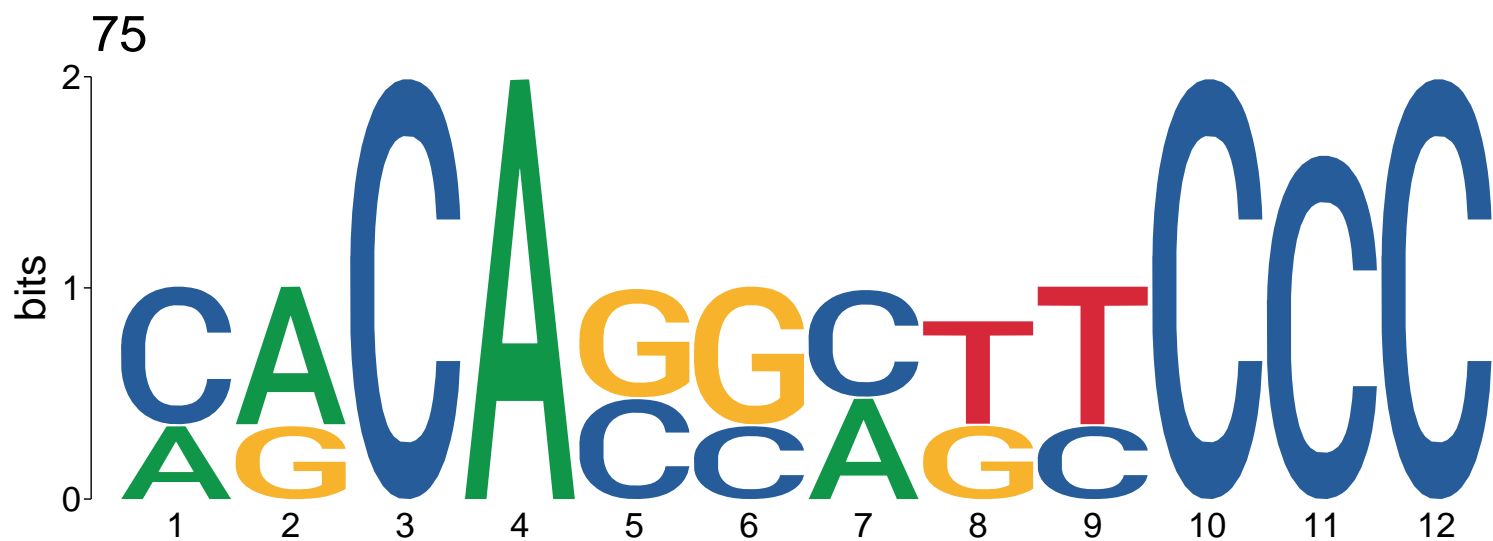








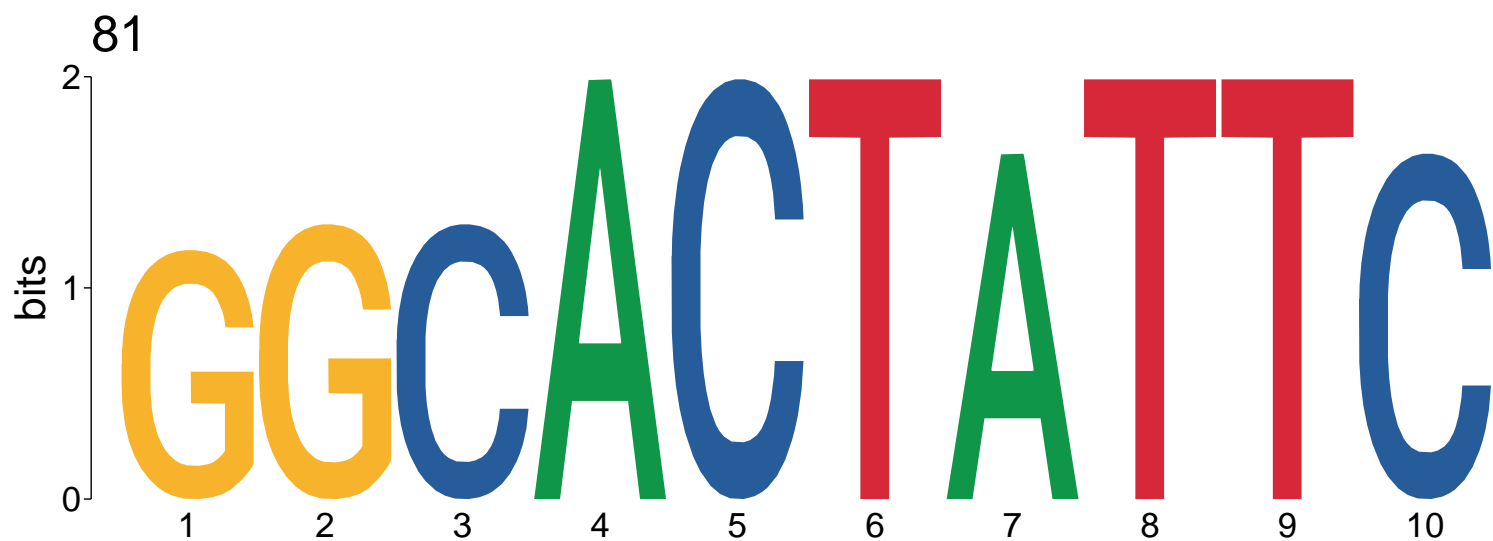


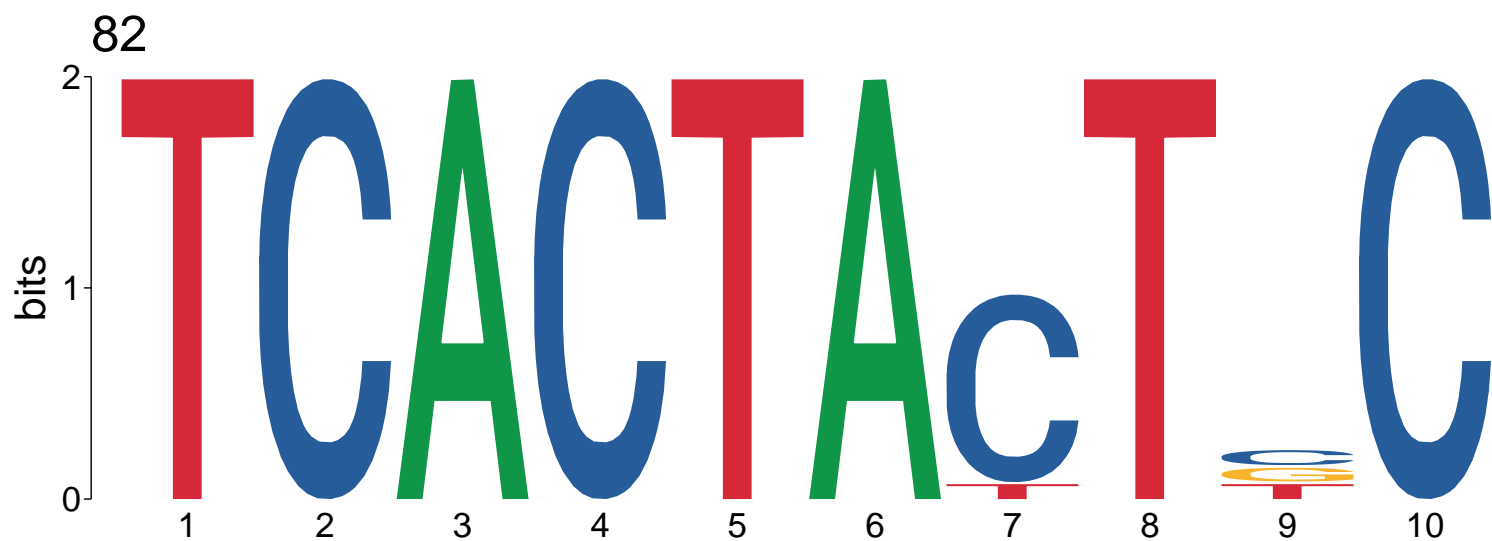












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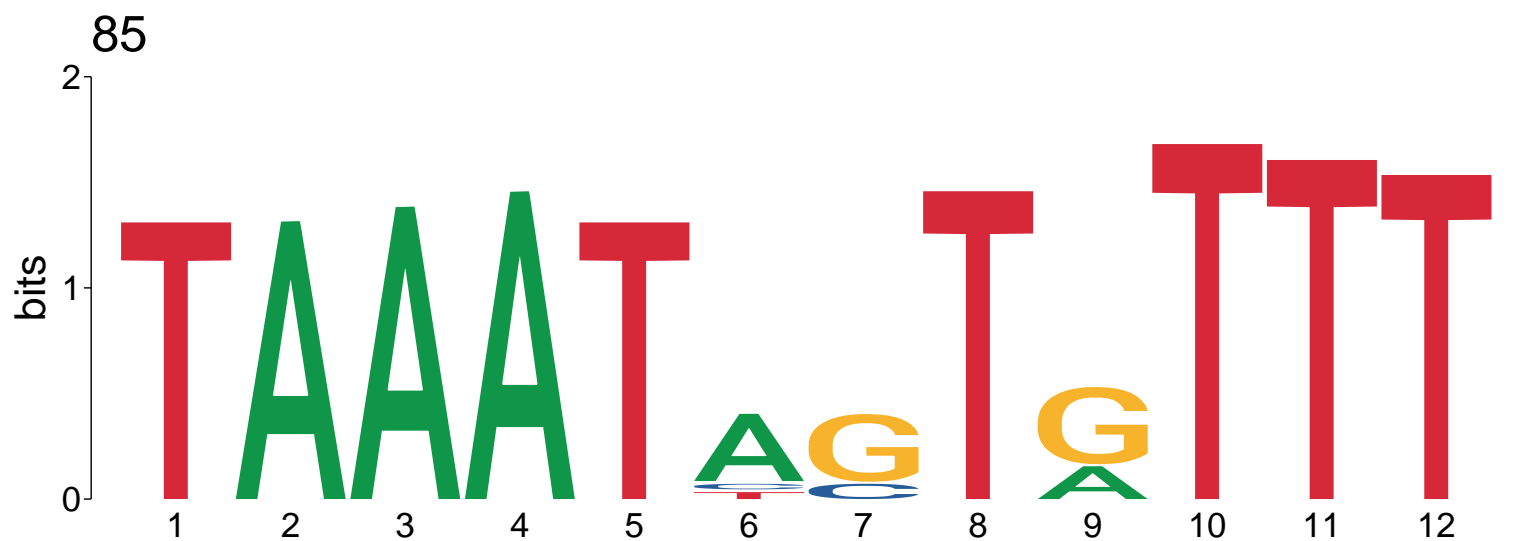
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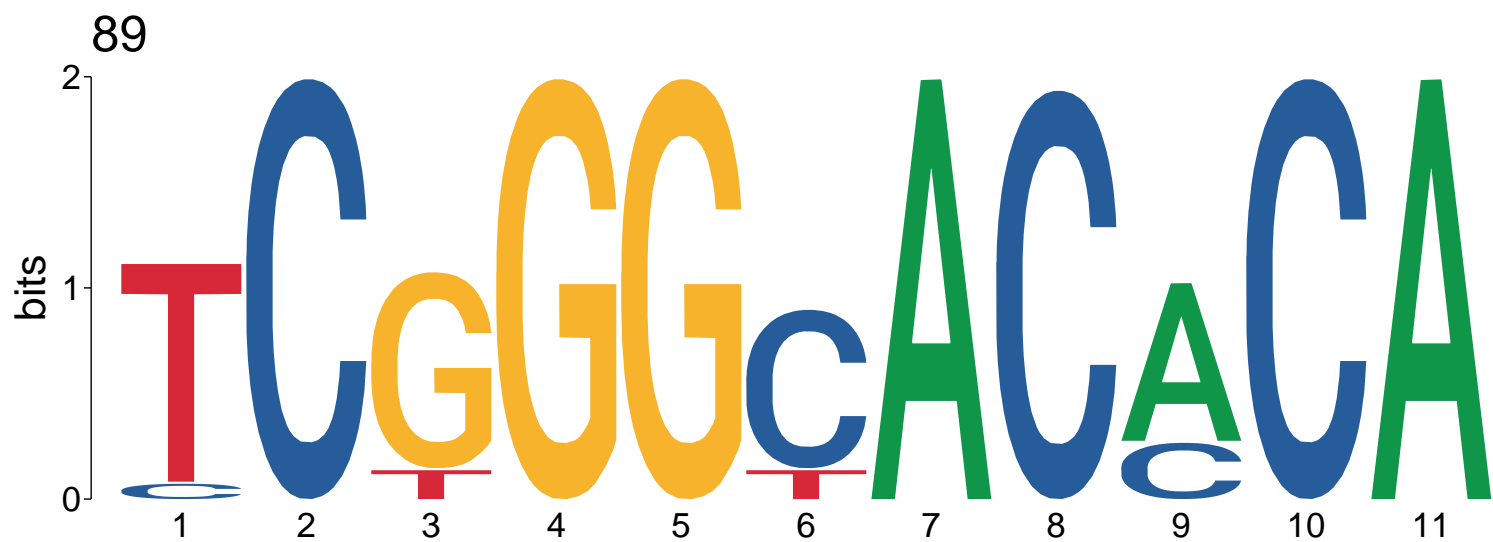
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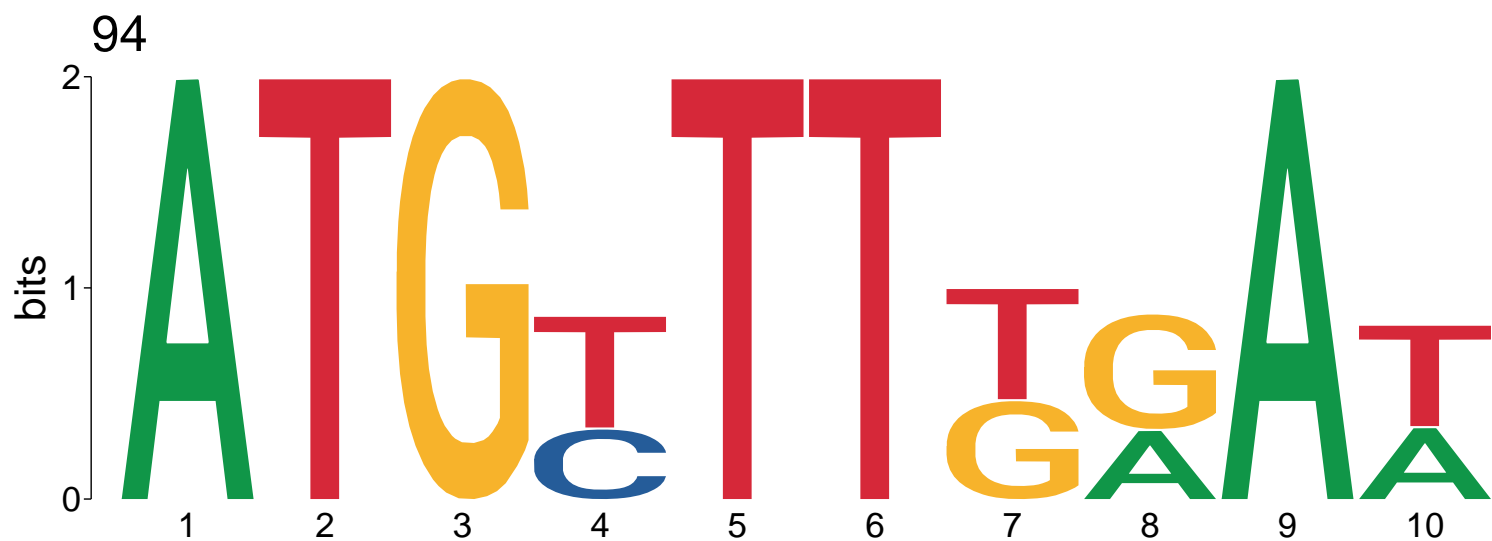






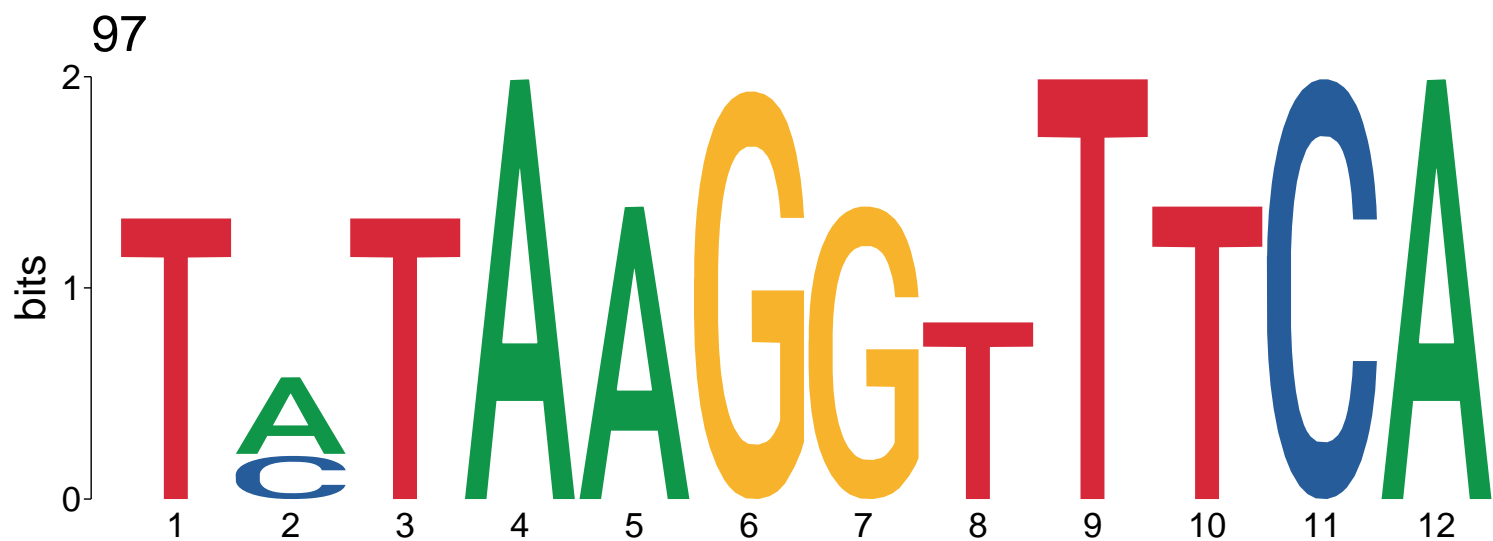




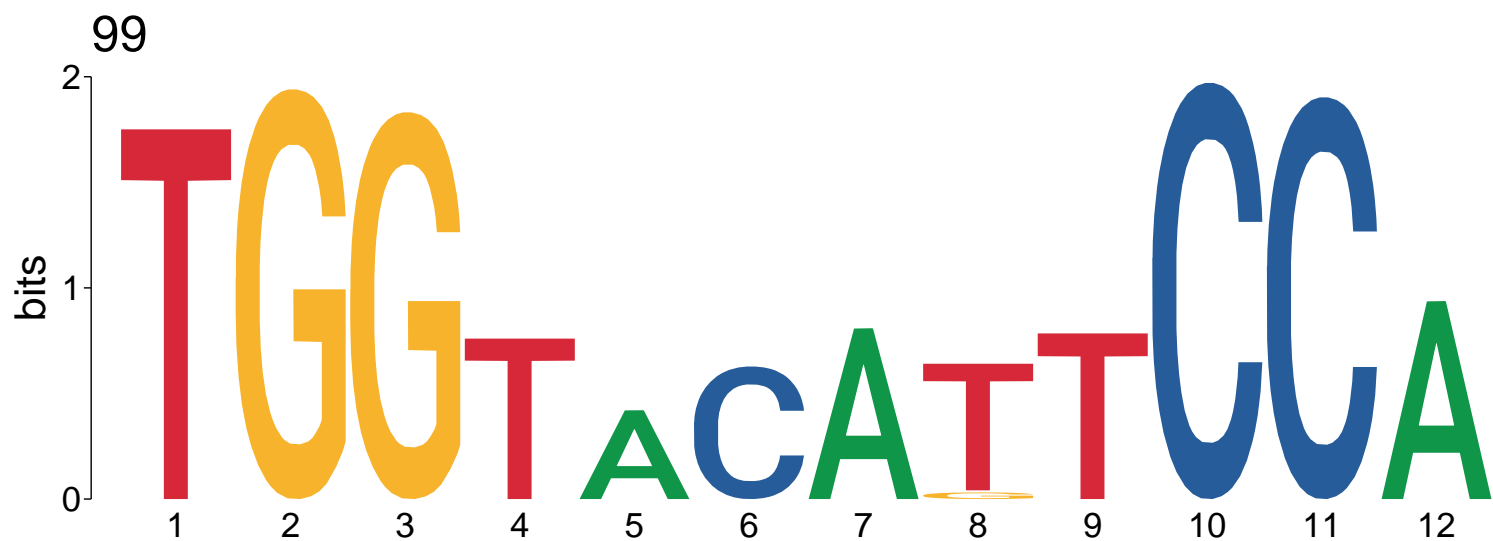








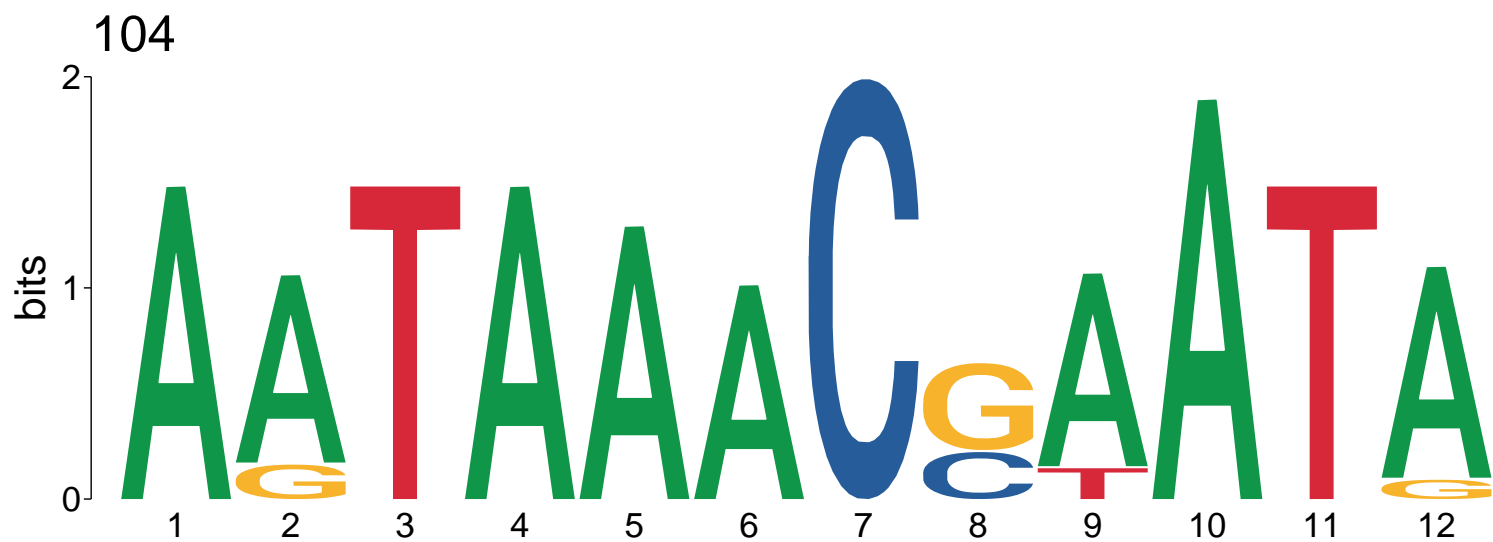




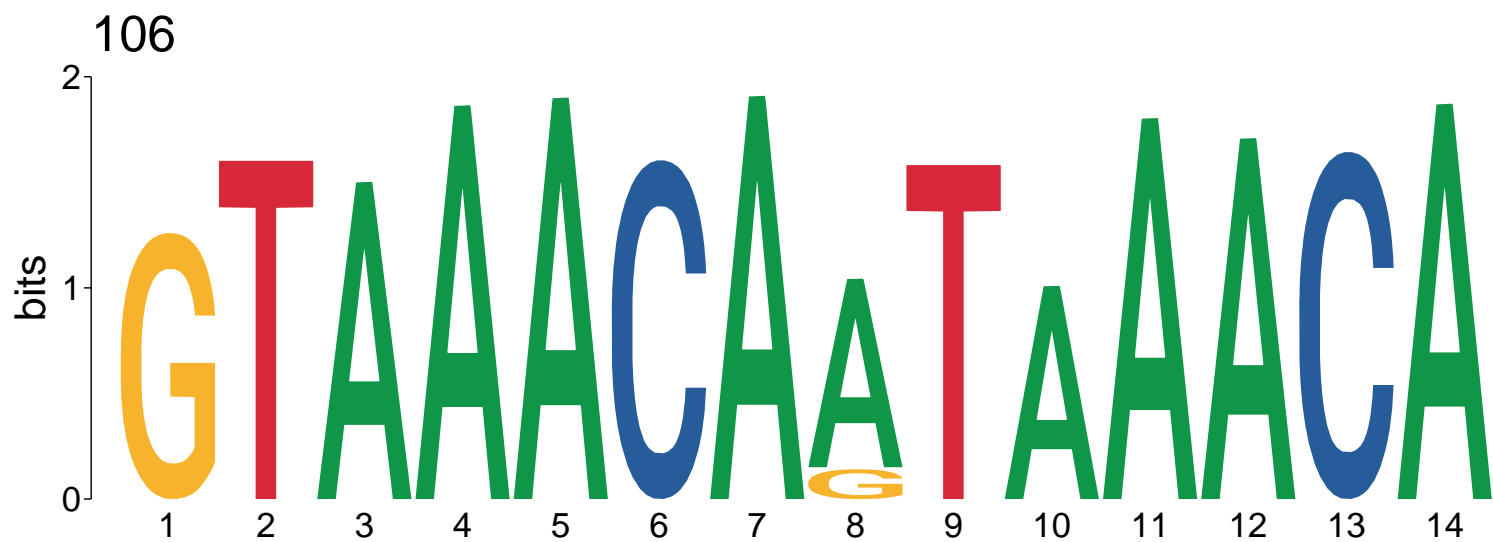




















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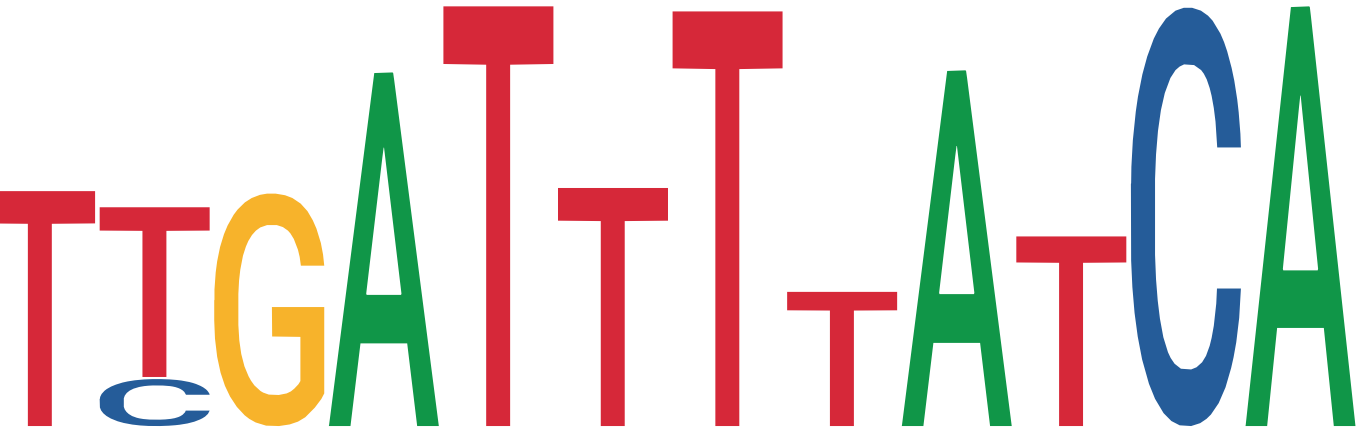
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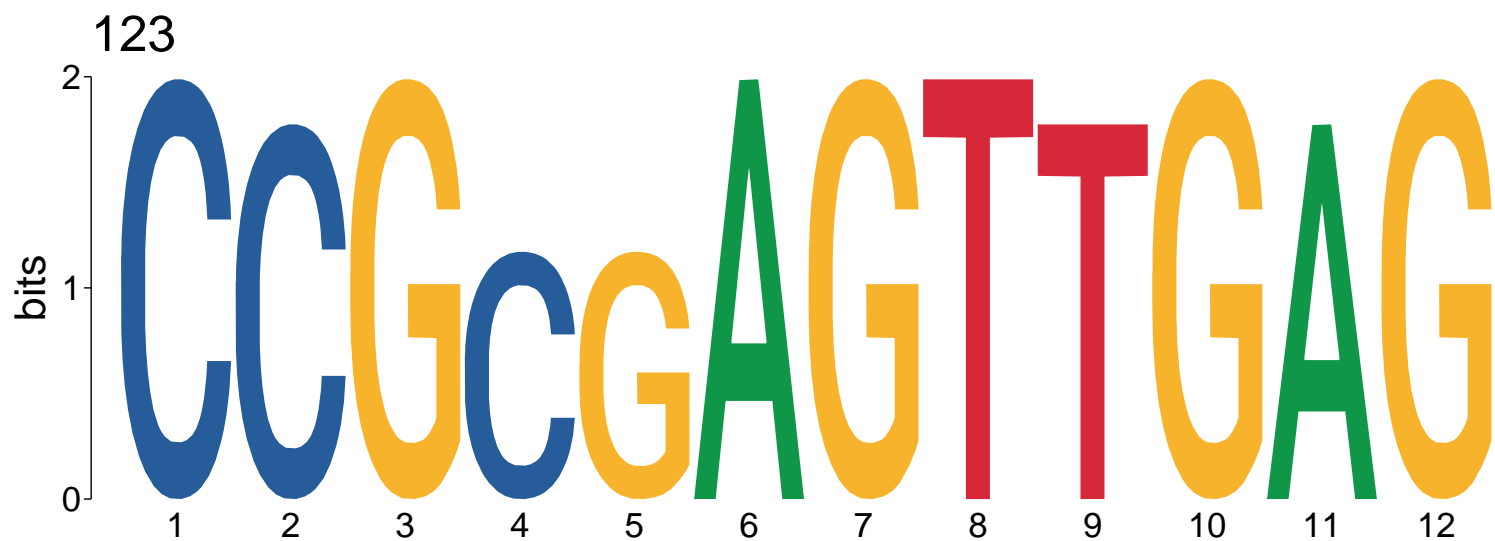
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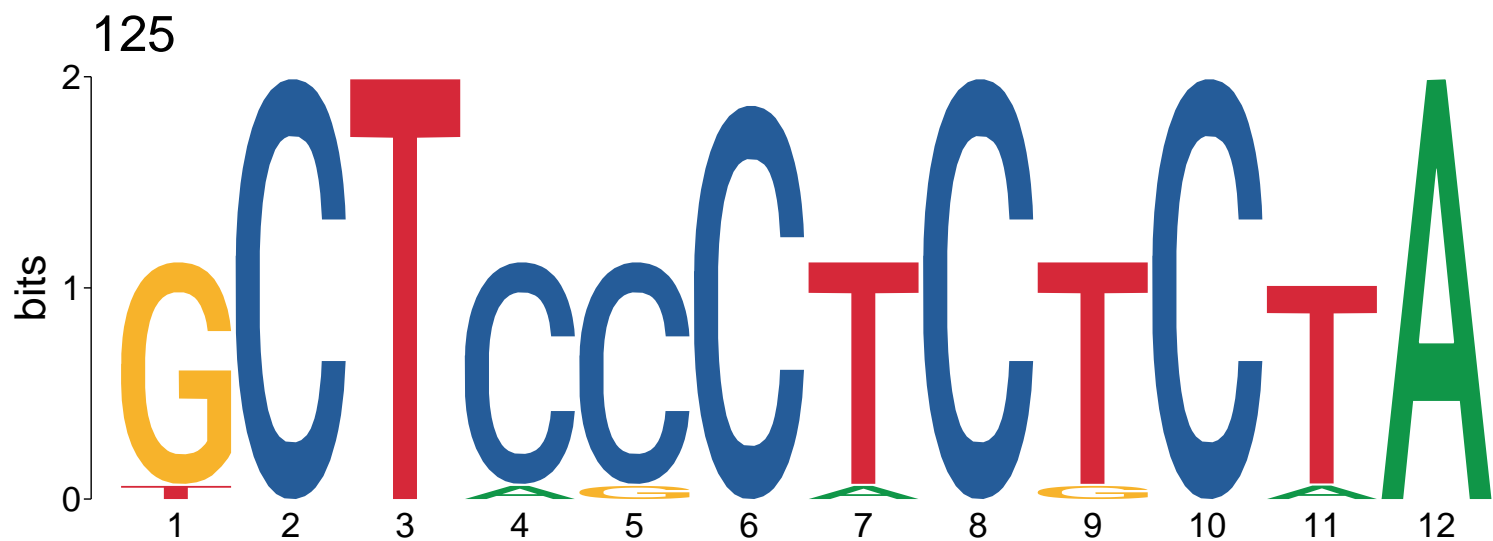
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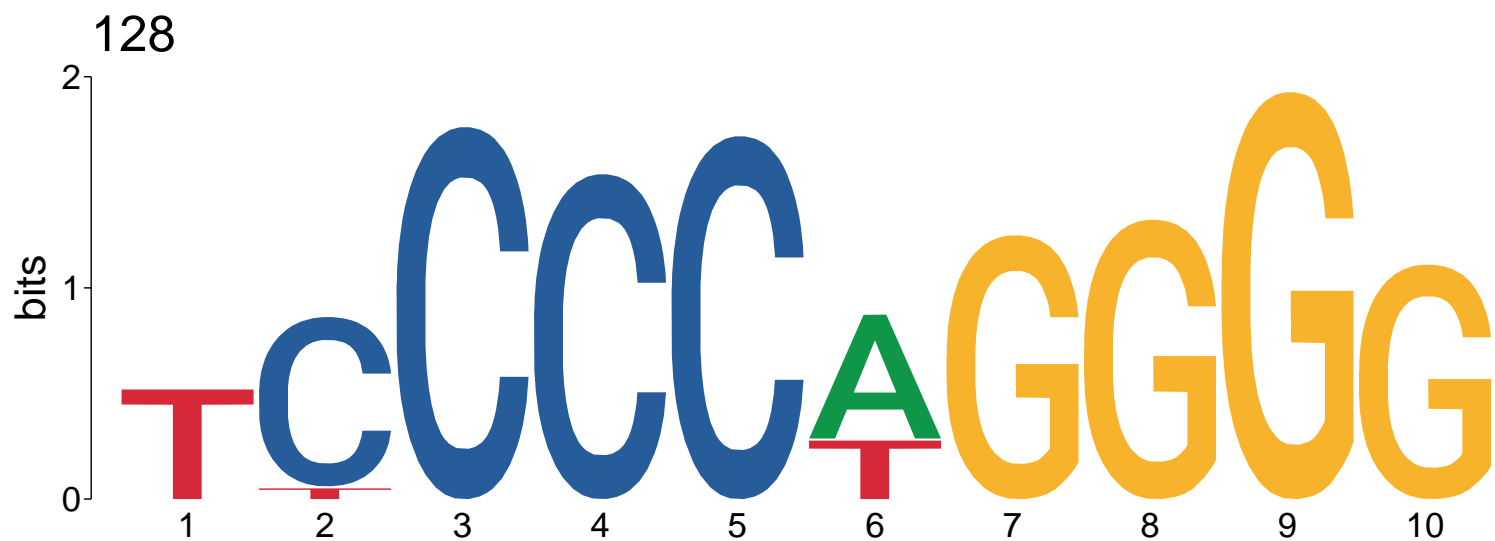


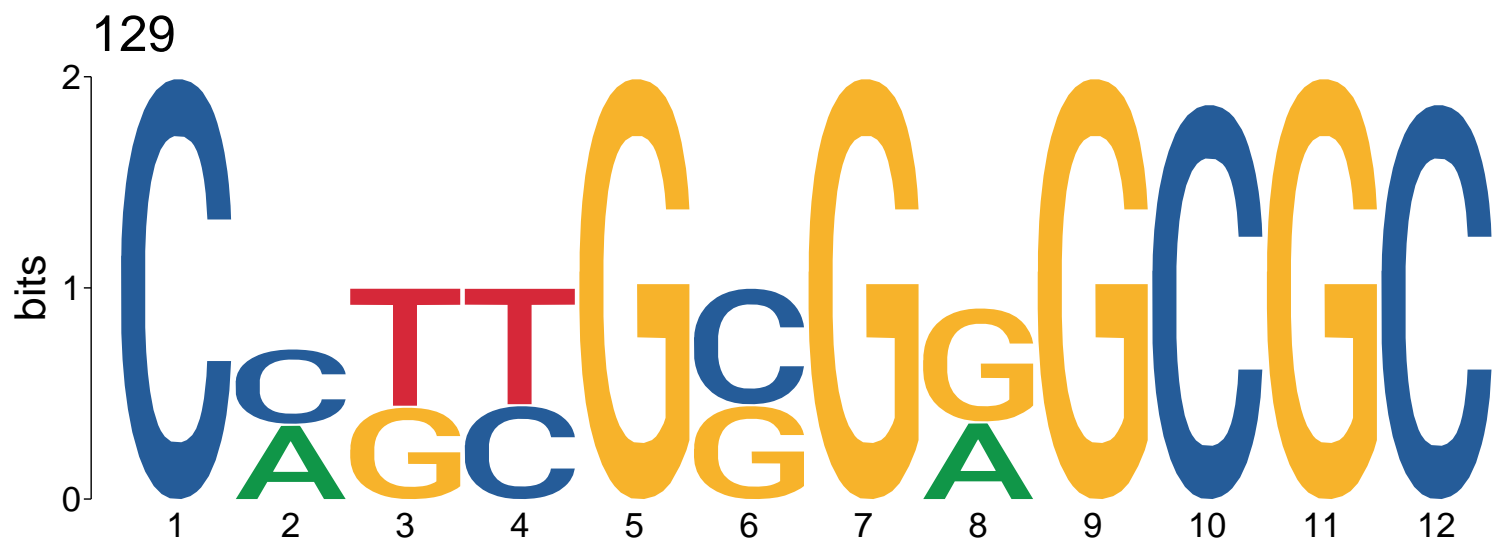


















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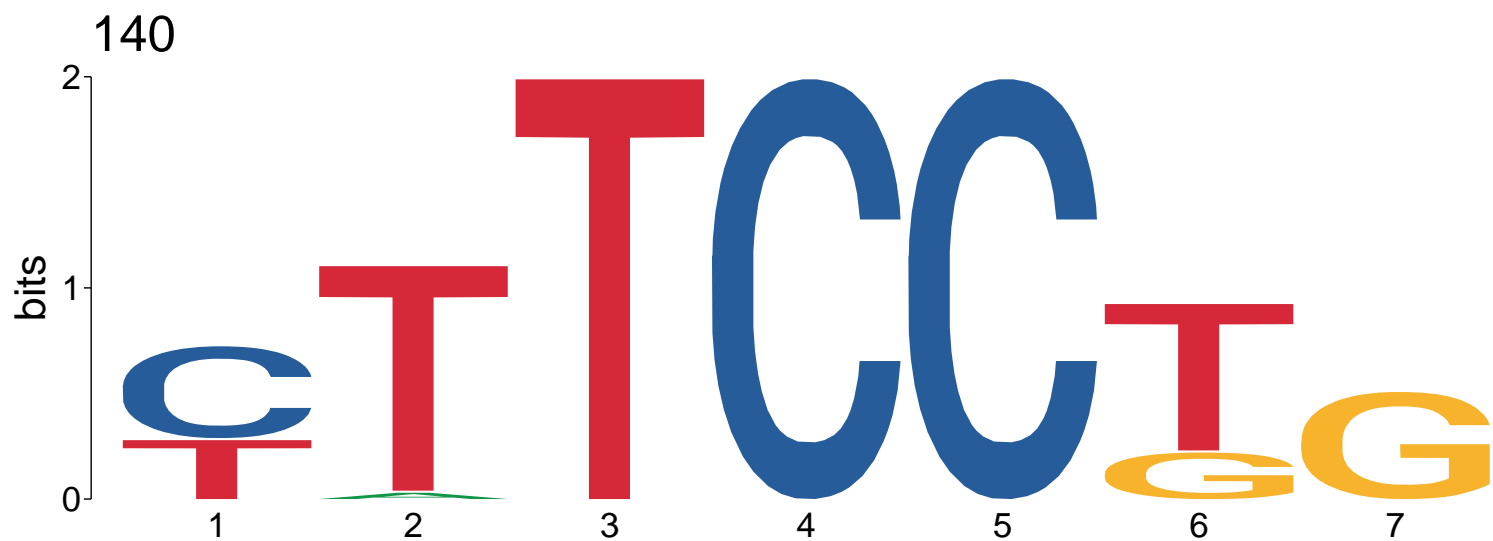
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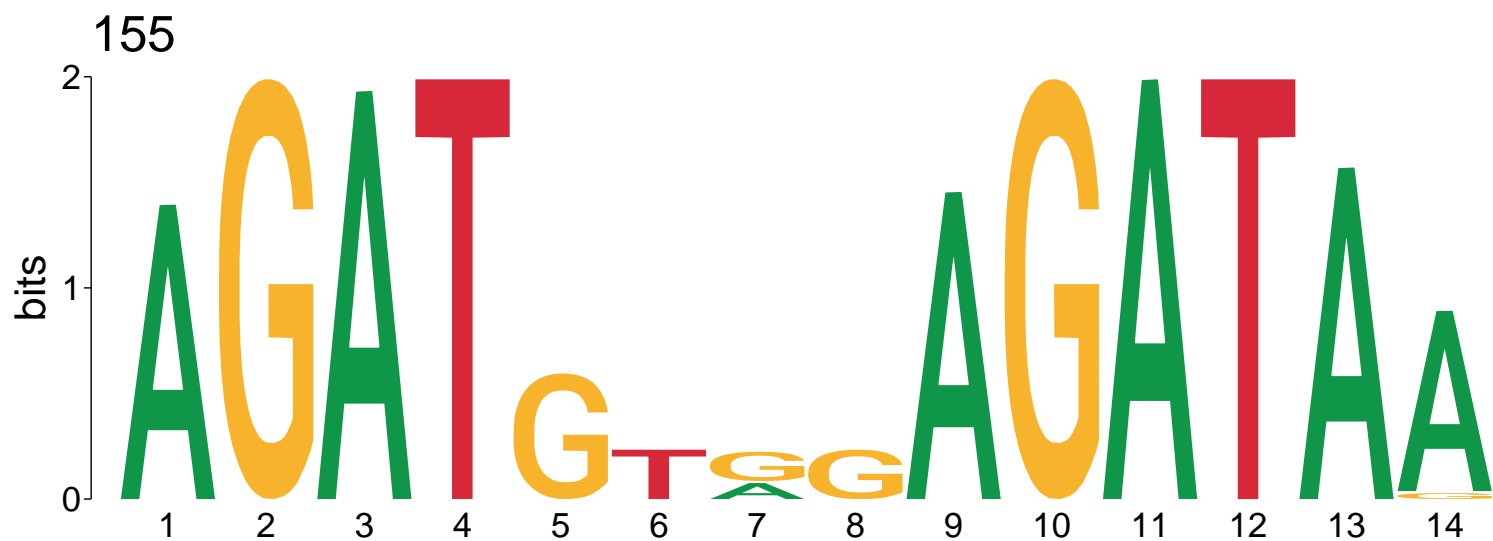




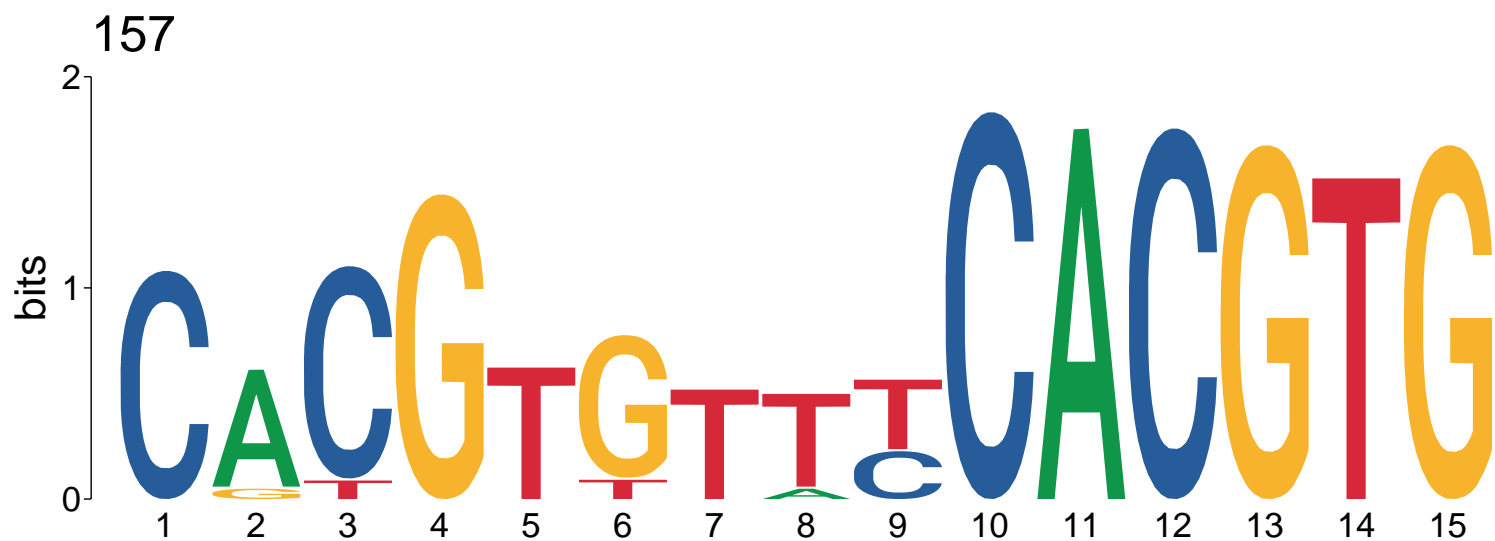


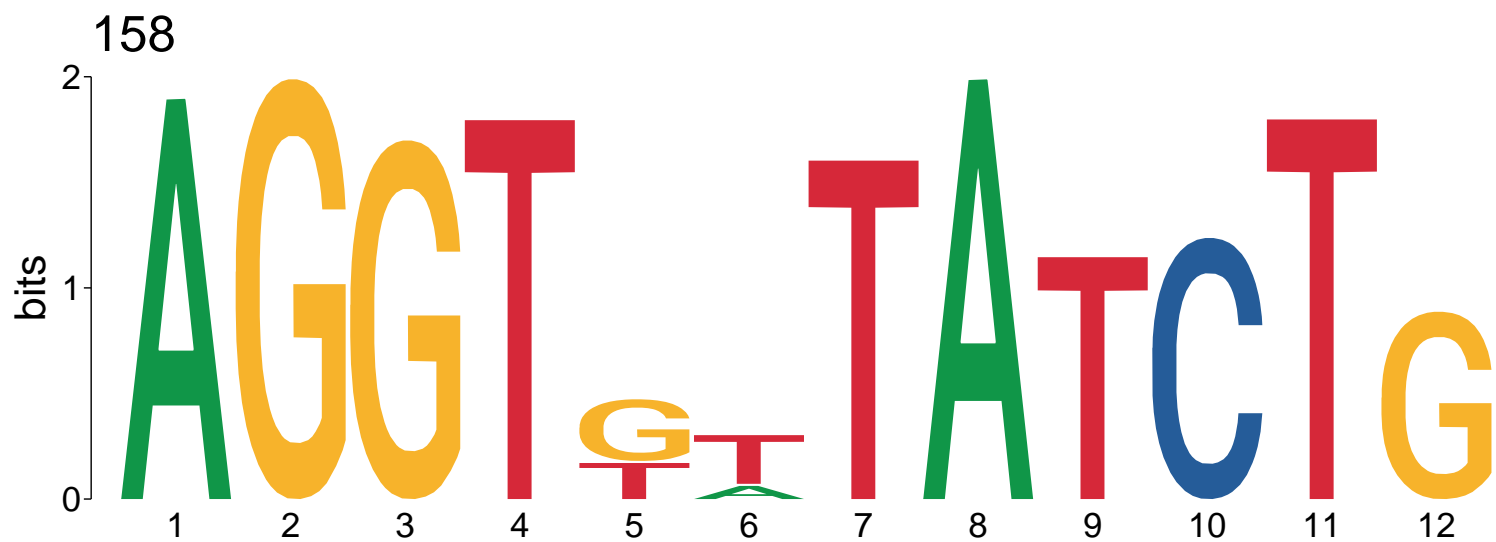




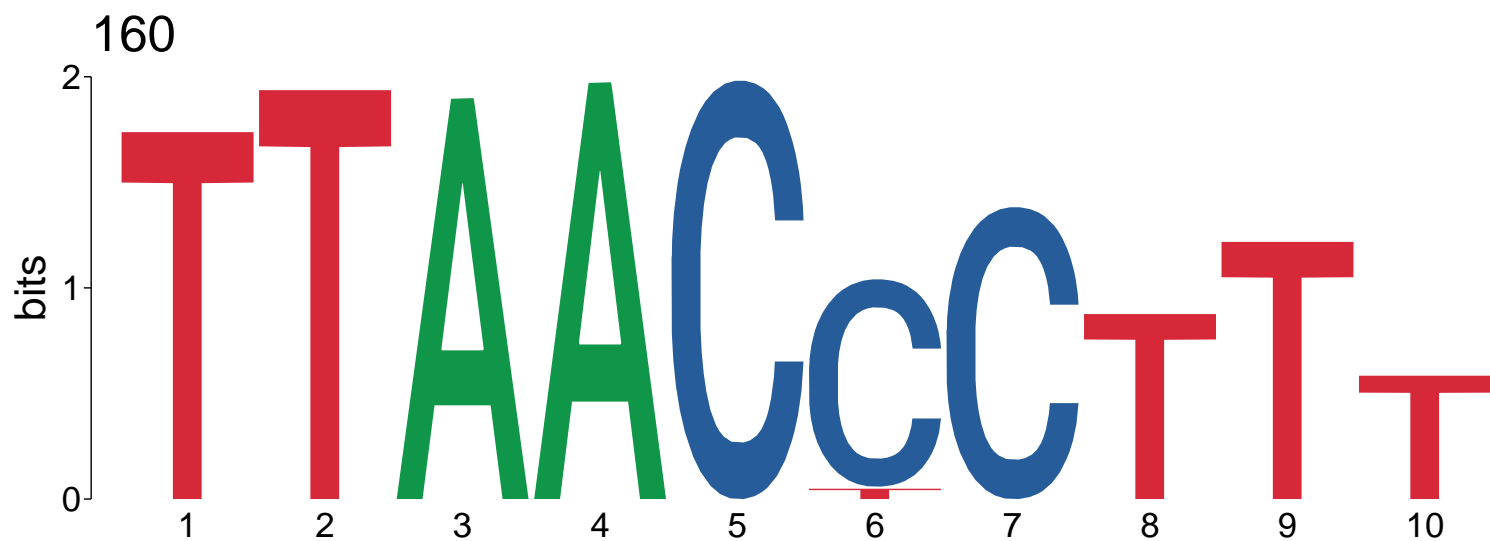


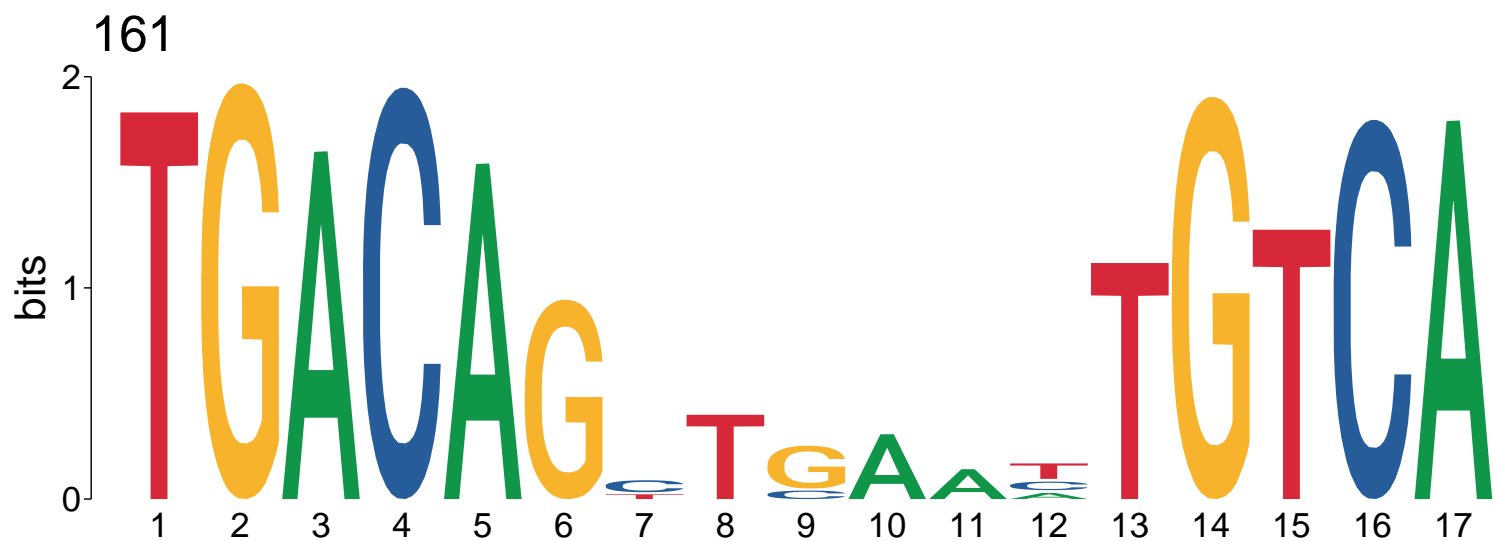


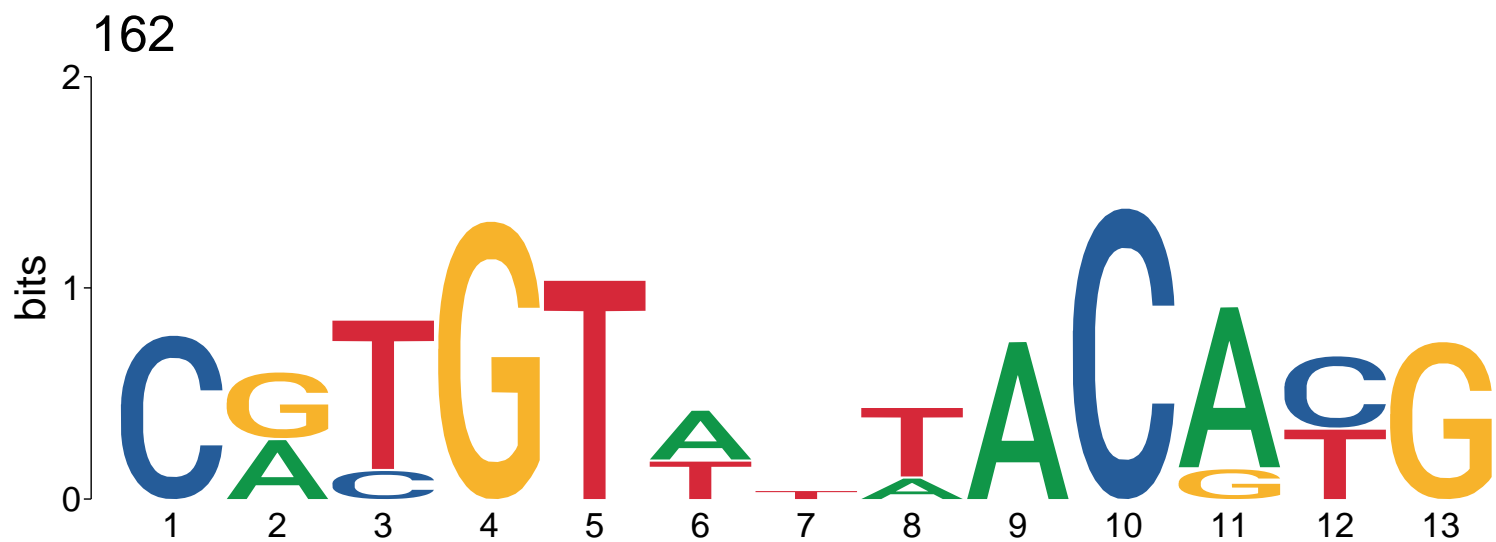












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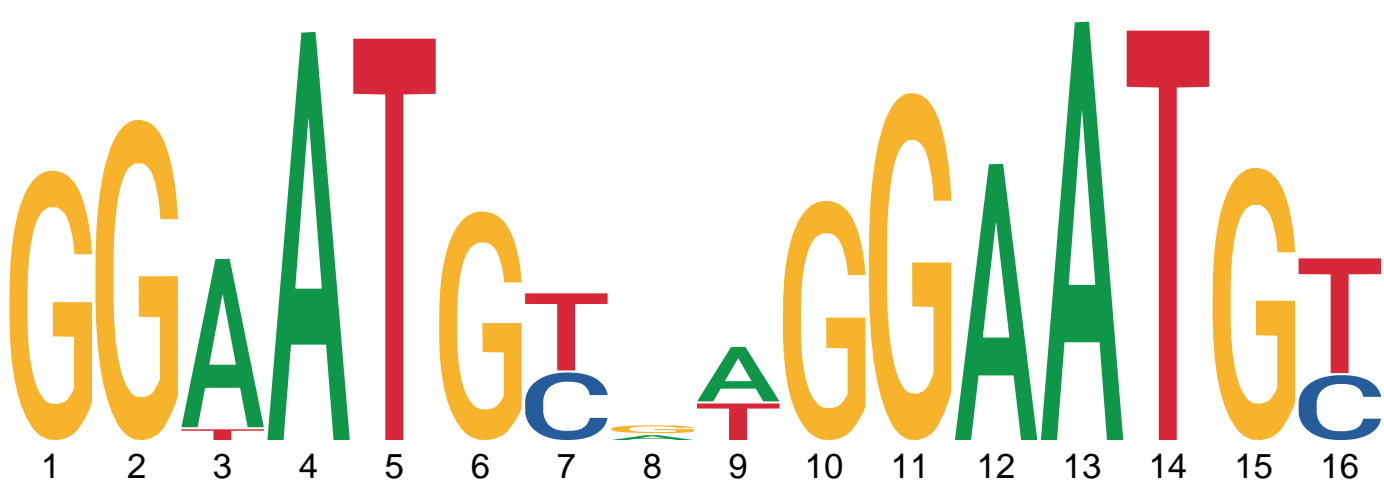
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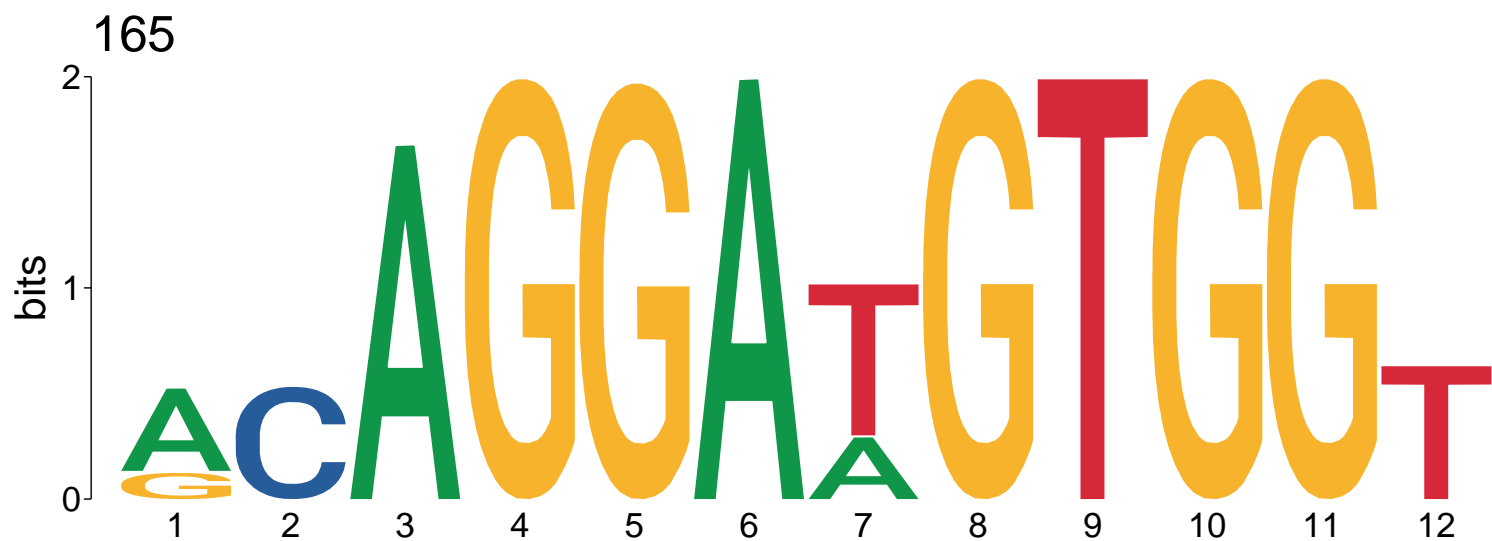
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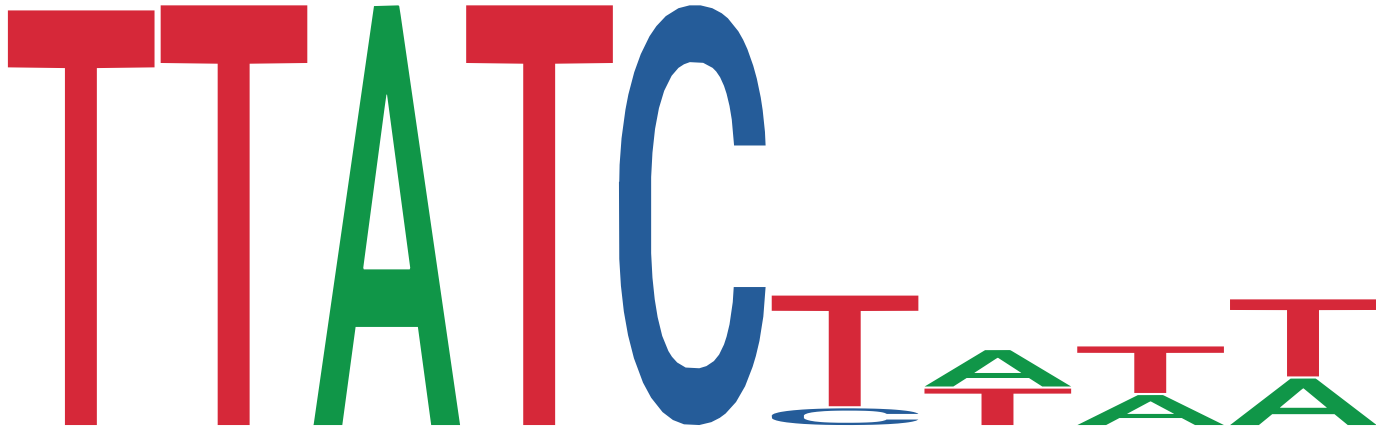
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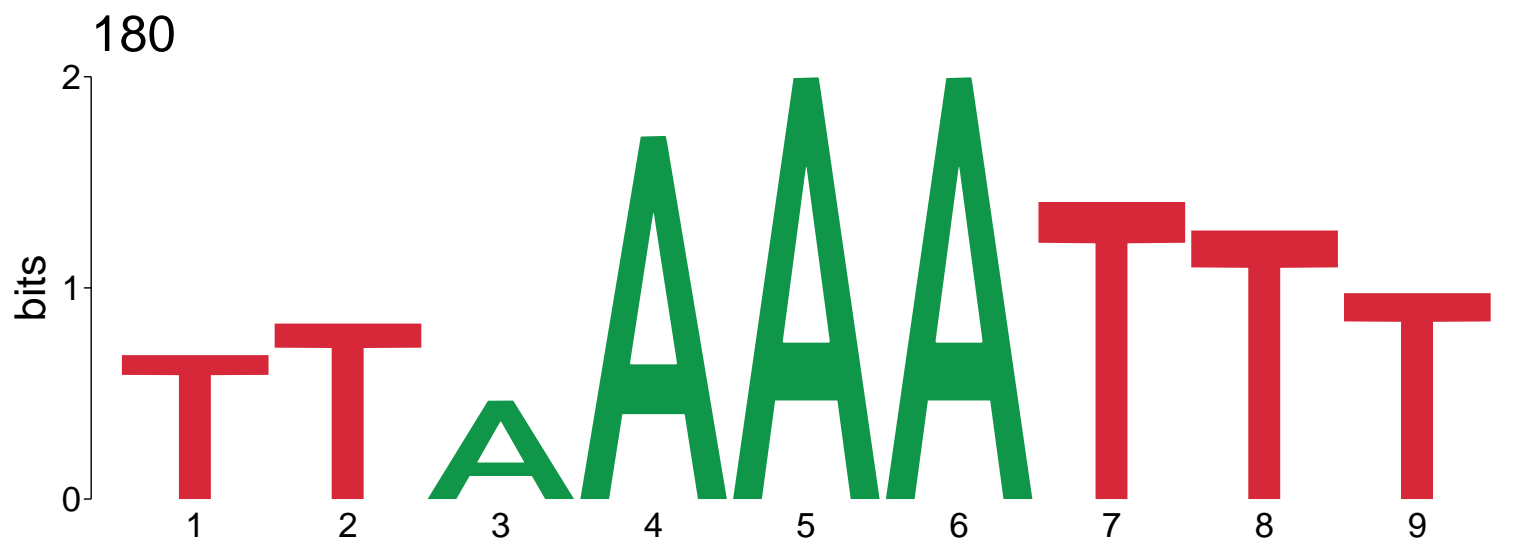
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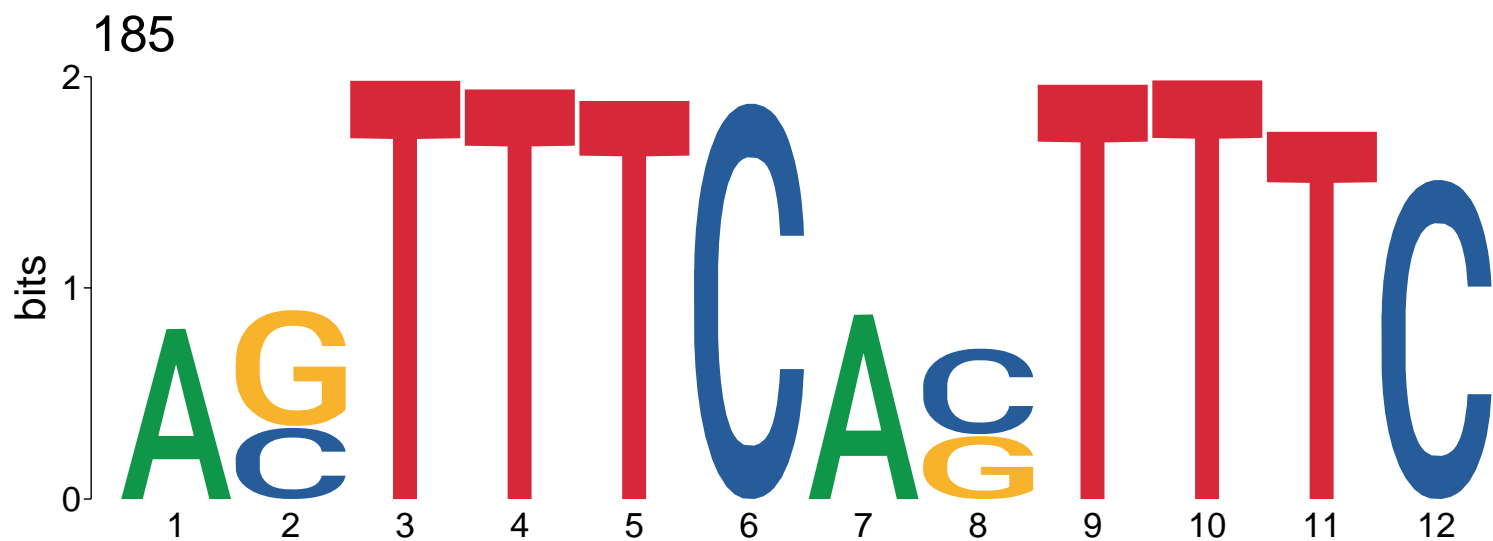
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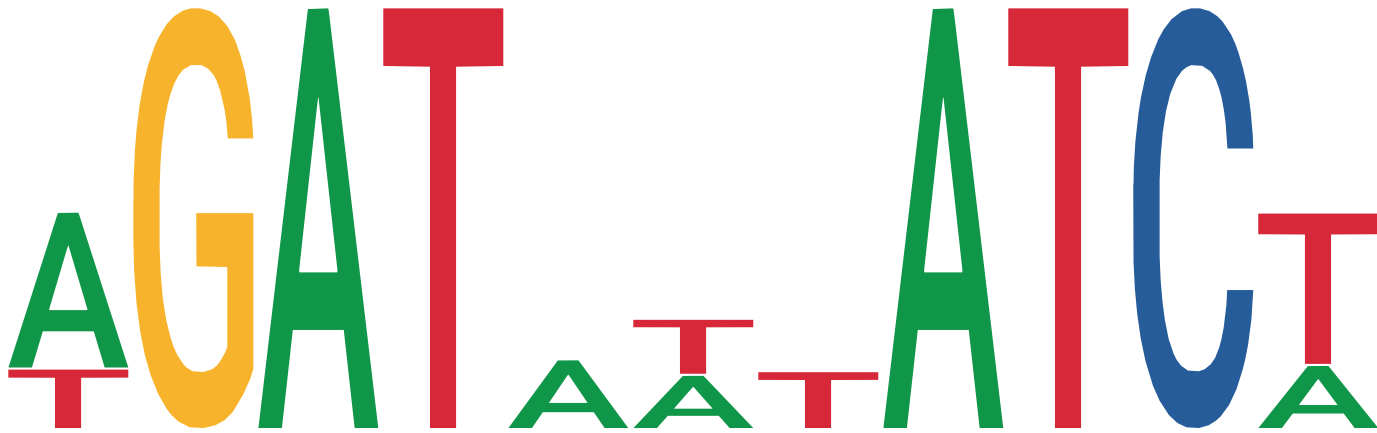
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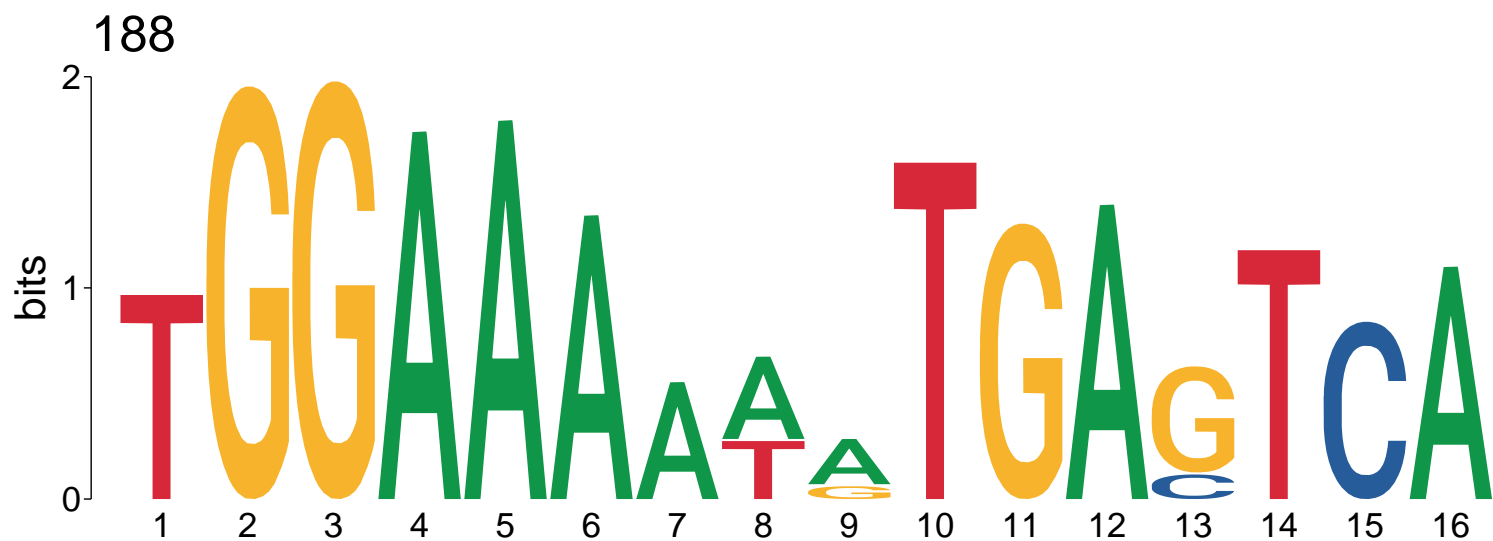
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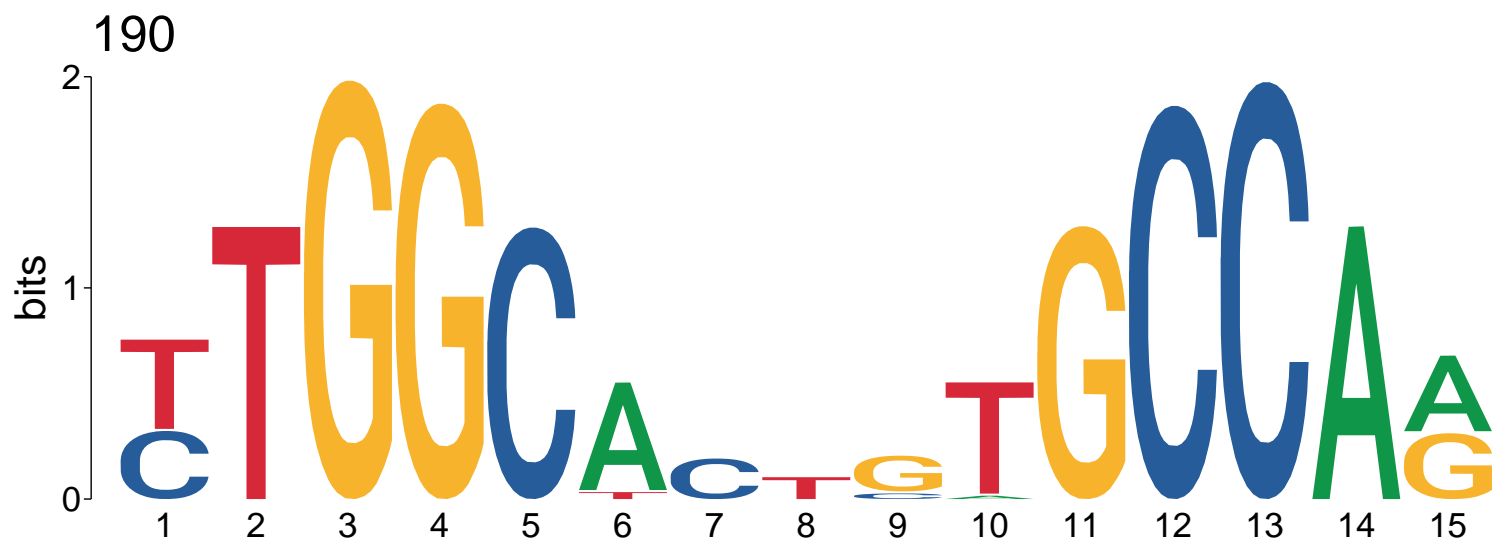
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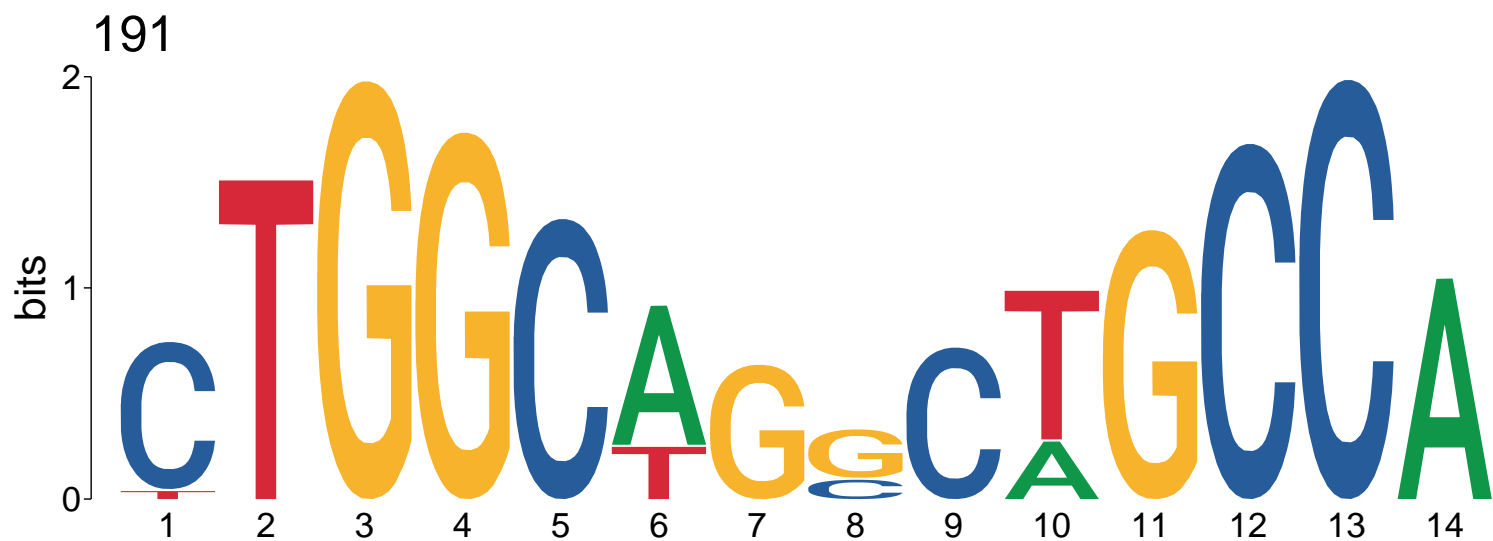
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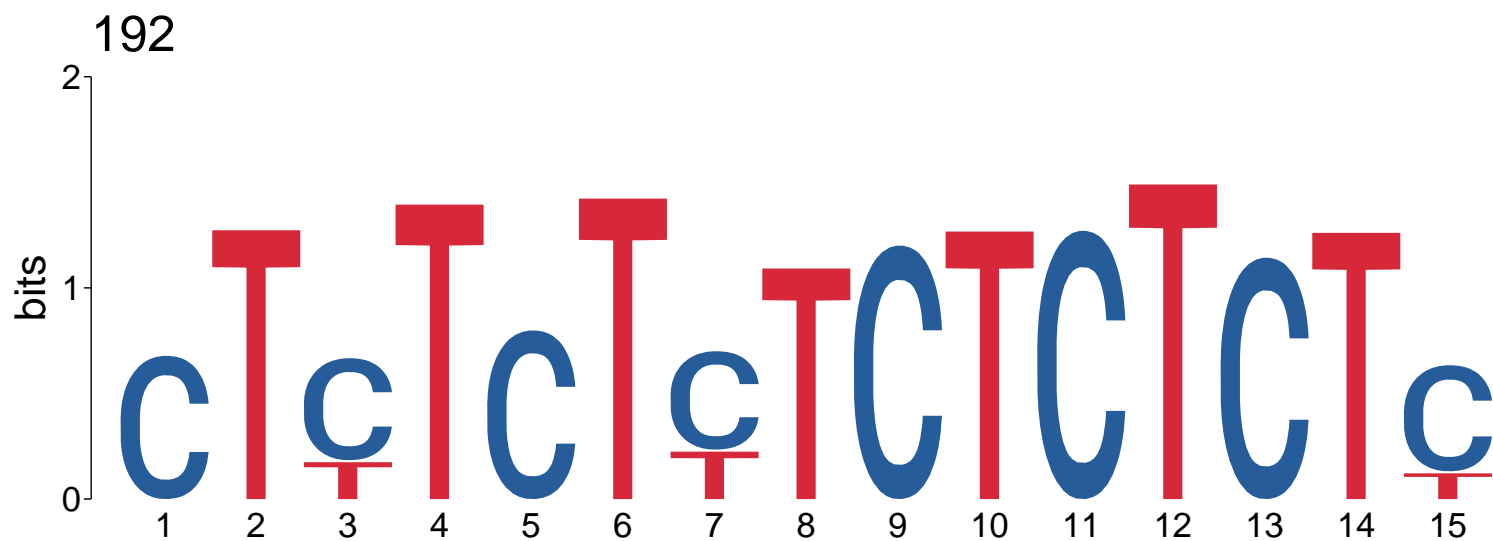
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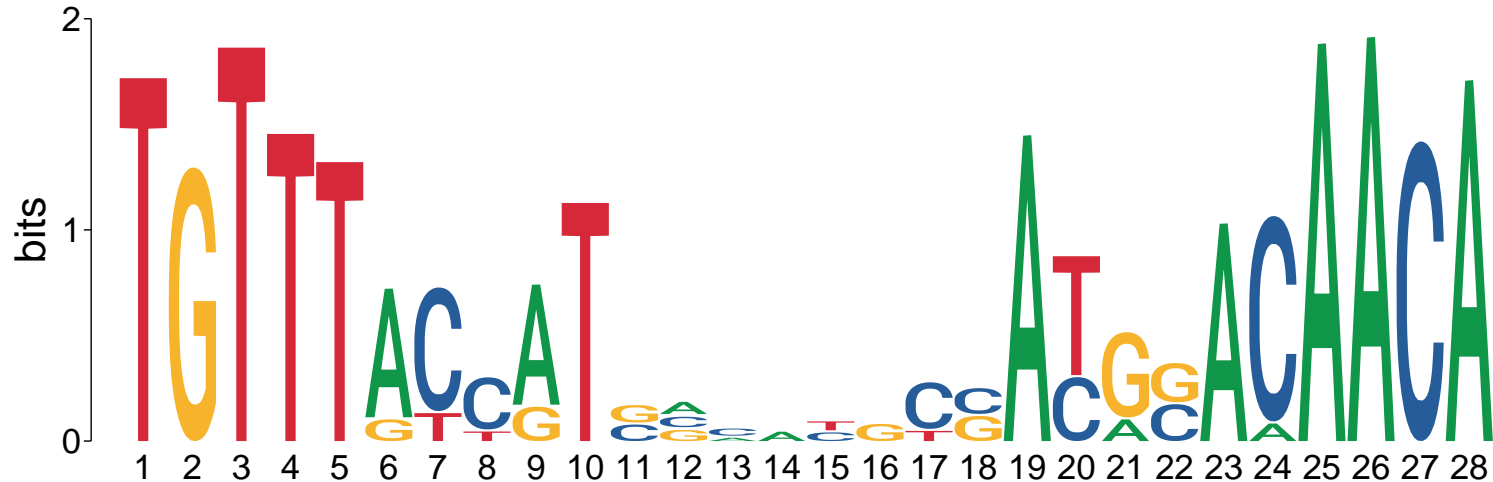
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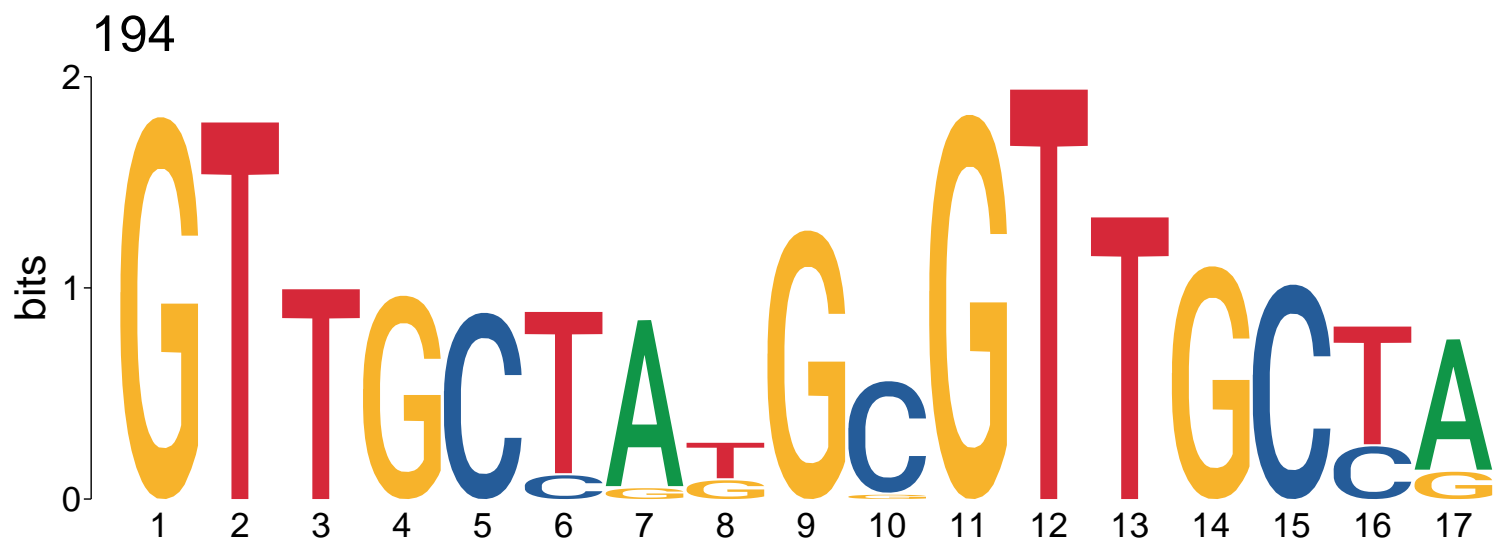


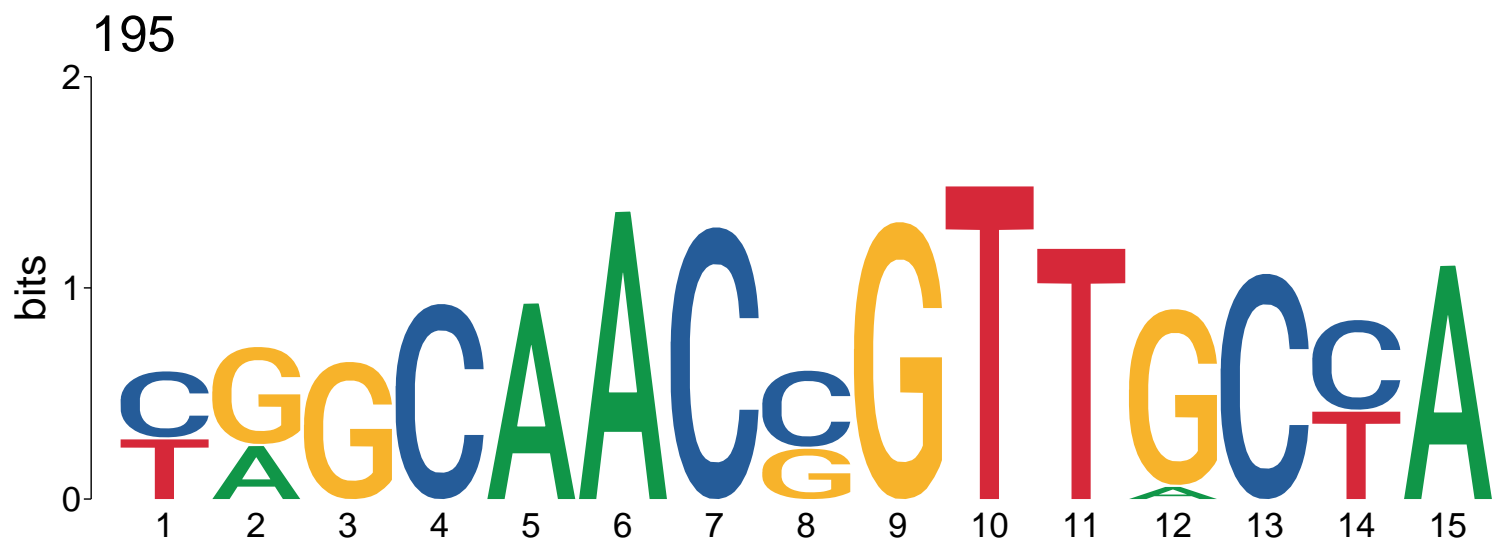




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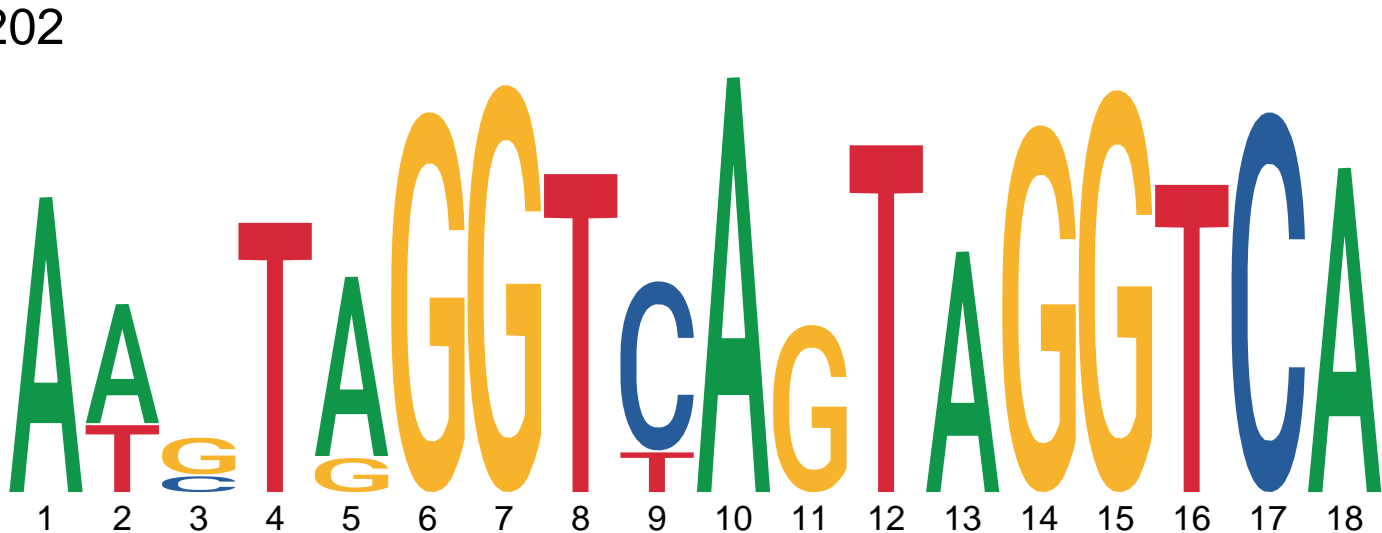
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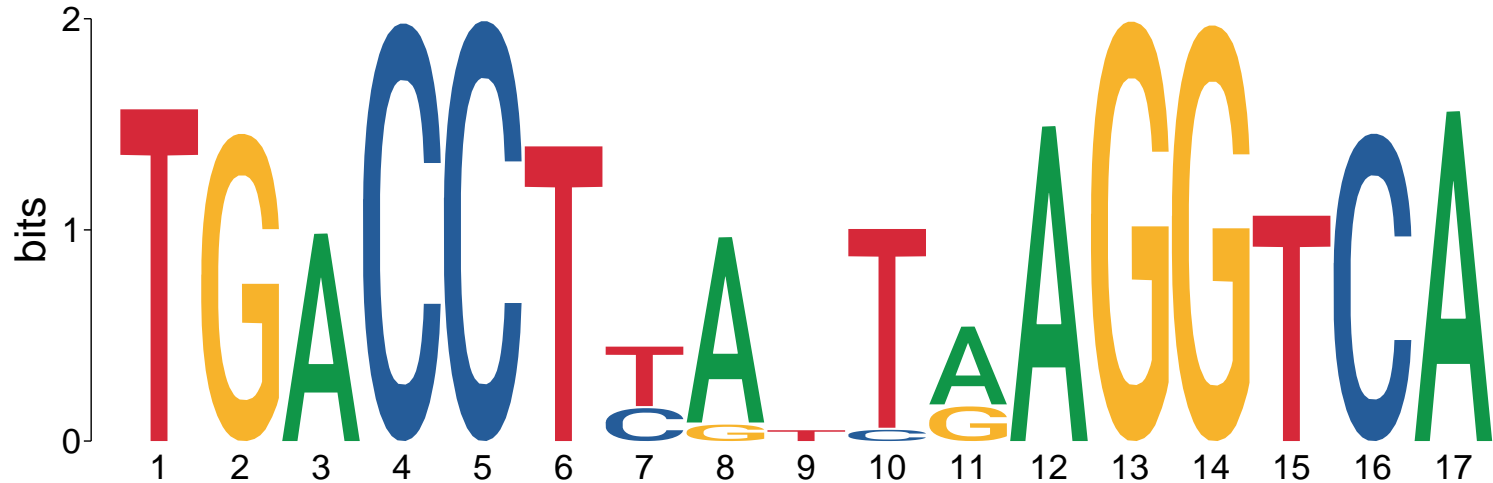
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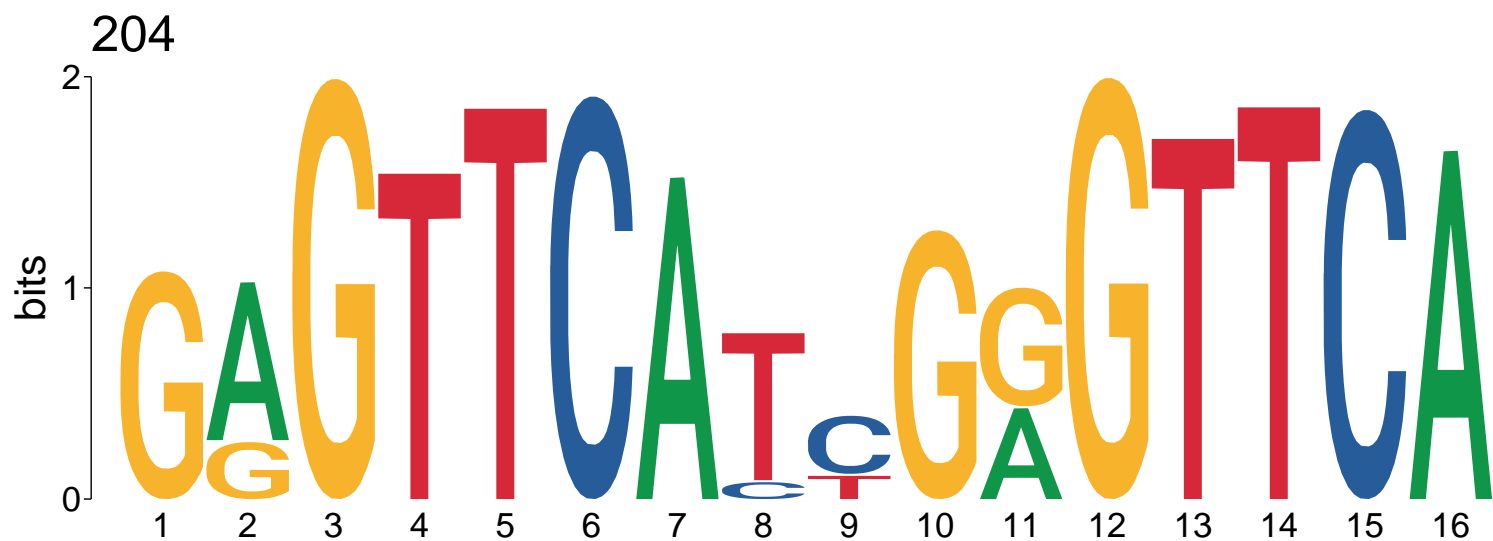
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209

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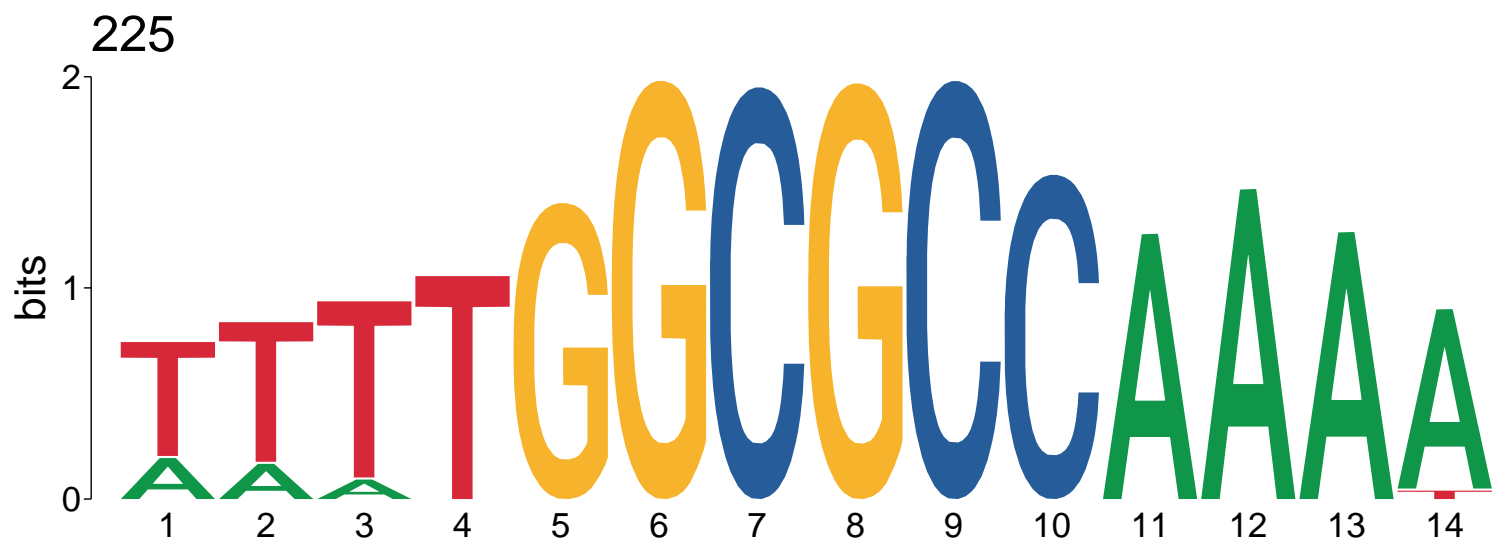
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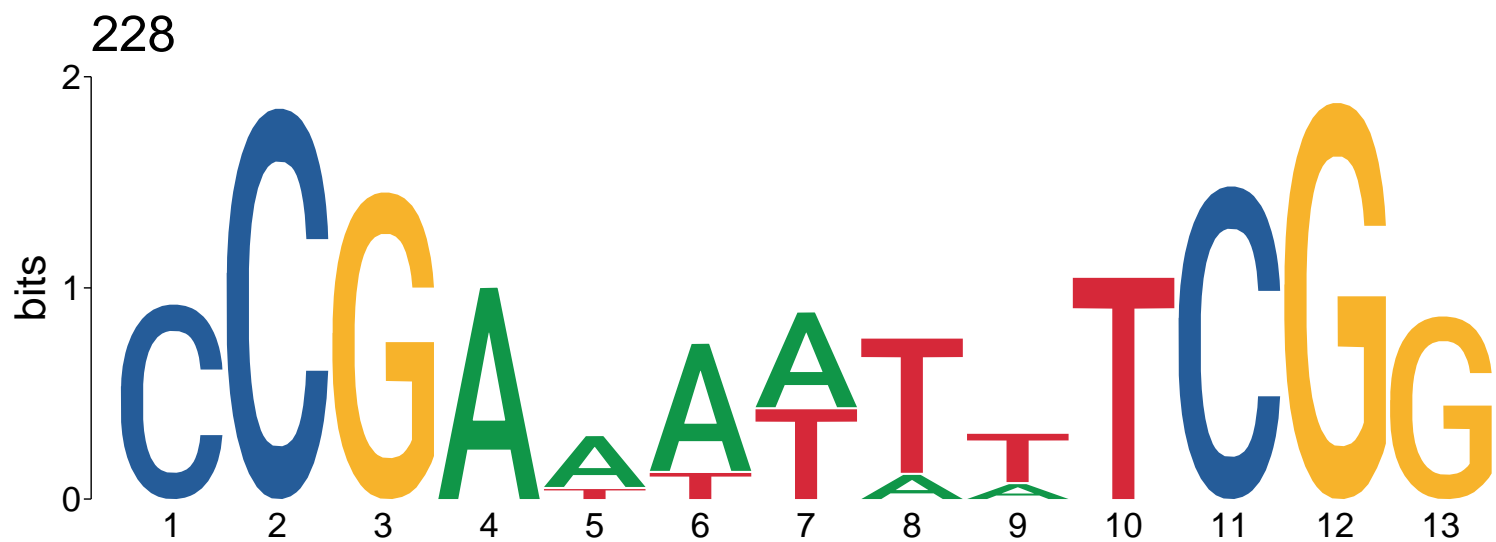
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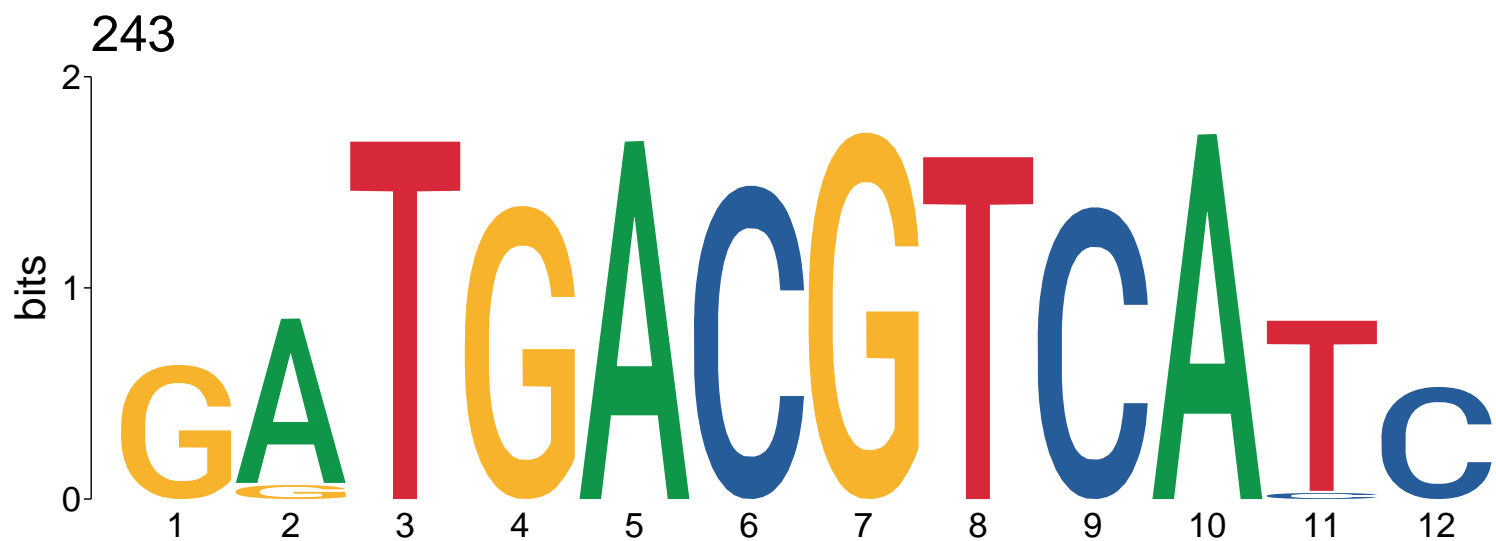
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246

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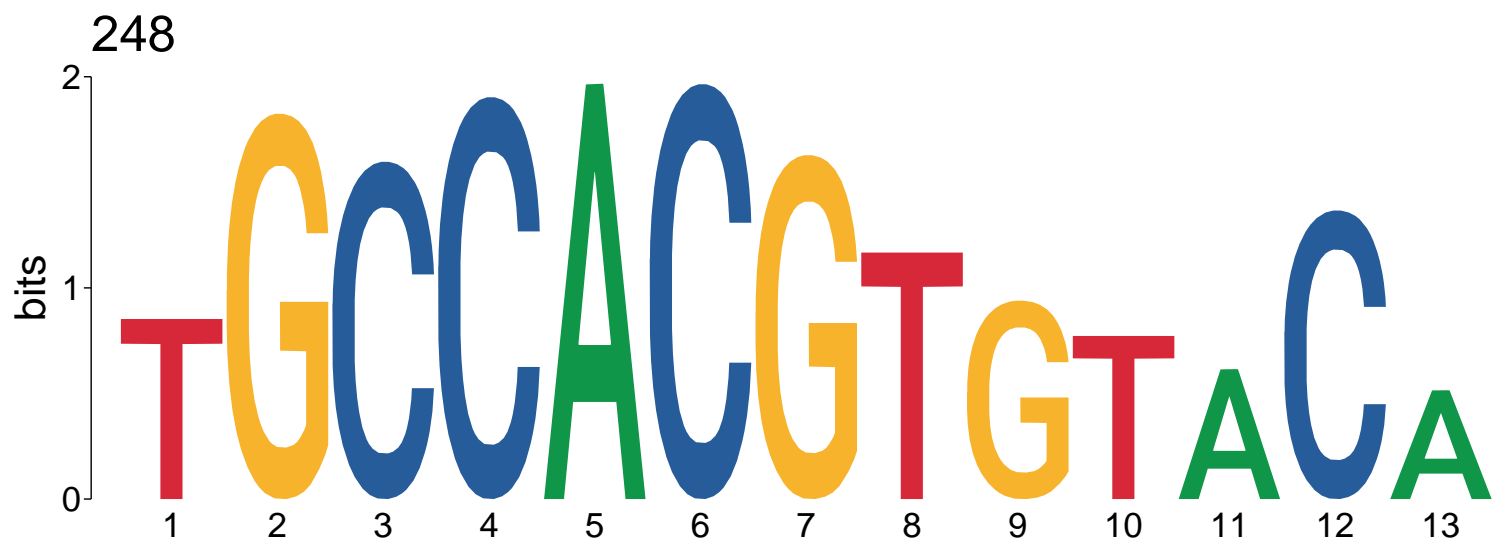
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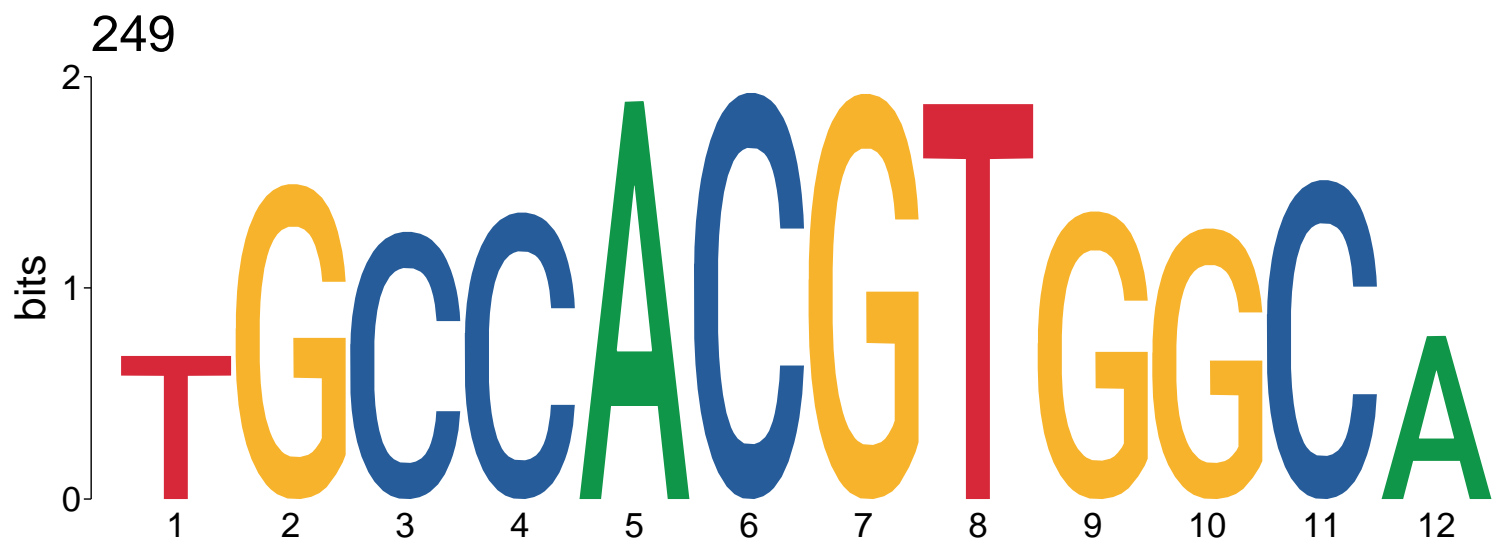
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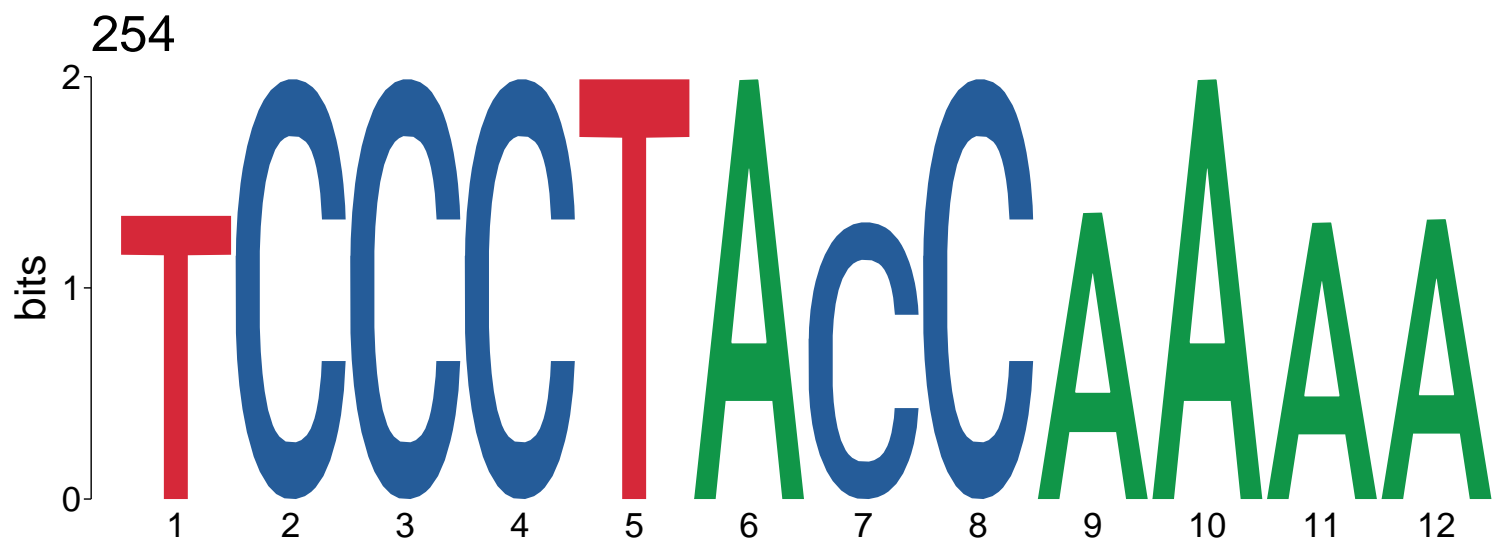
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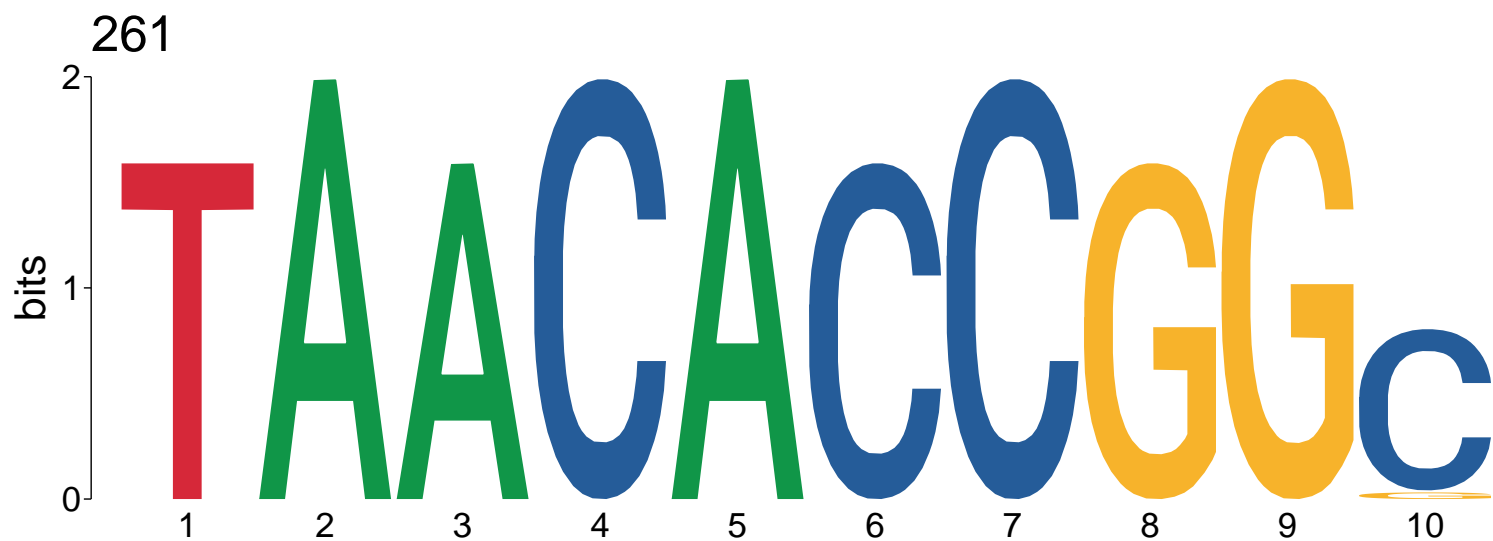




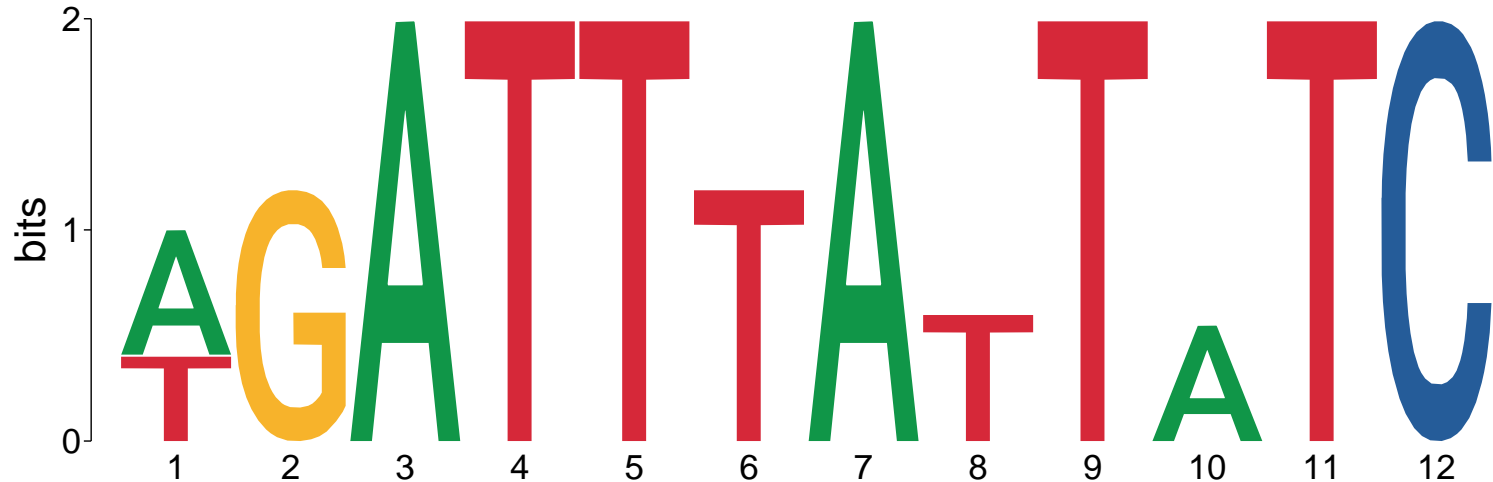








262



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C A A G A T G G C G G C

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C C A A T A A G C C



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286



287

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G

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A

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C

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C

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G

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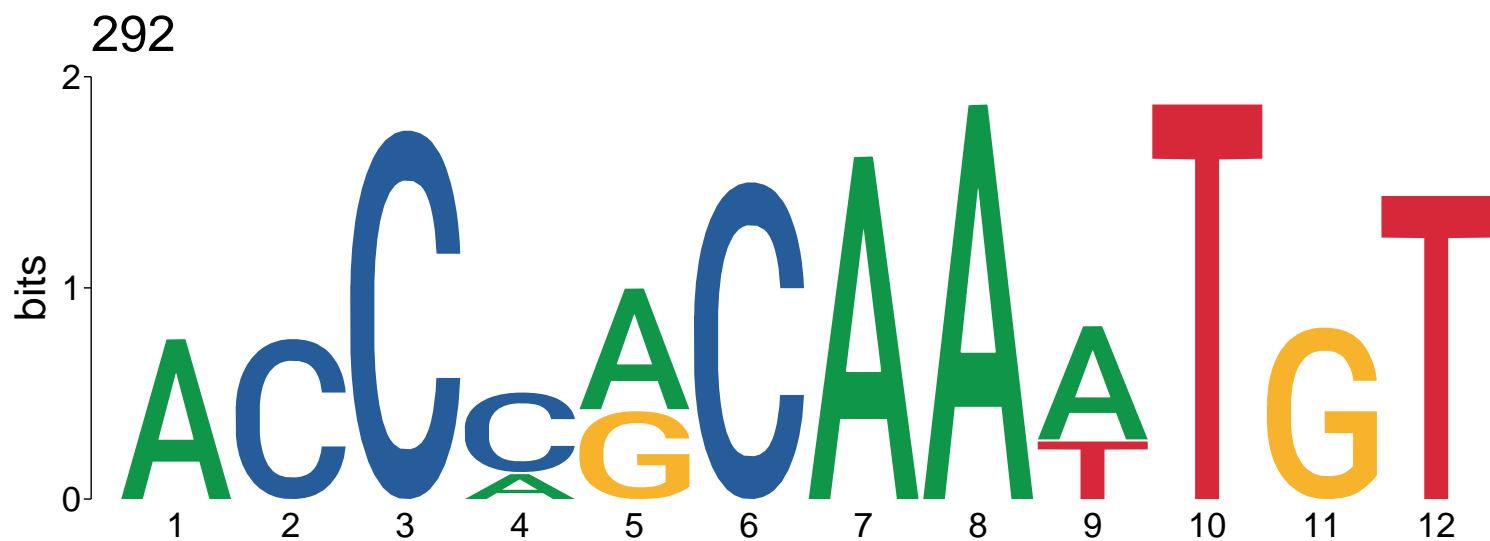
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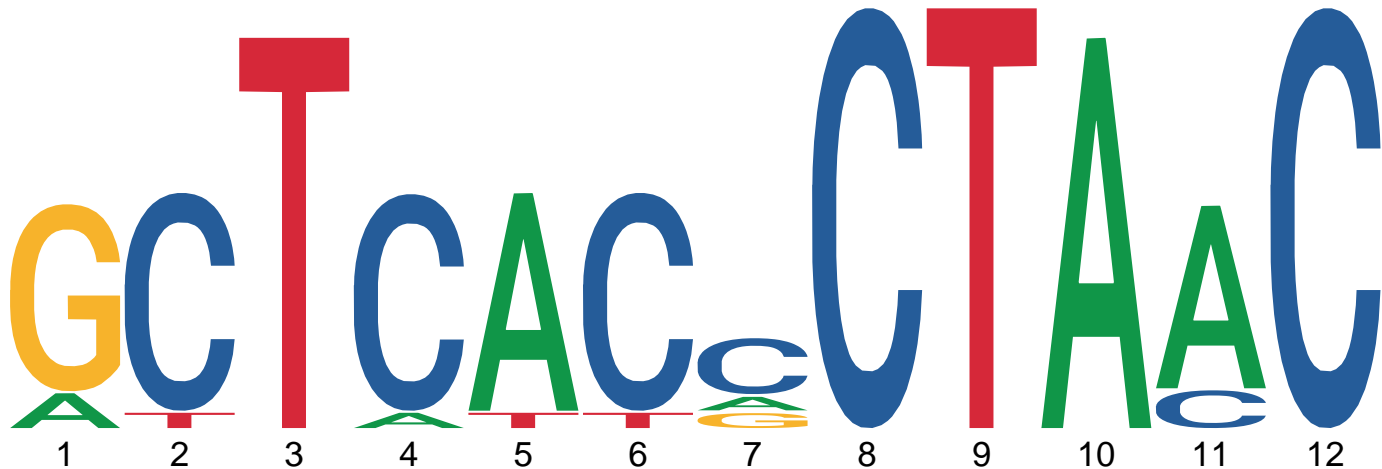
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297

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A A C T C A T G C T G T

301

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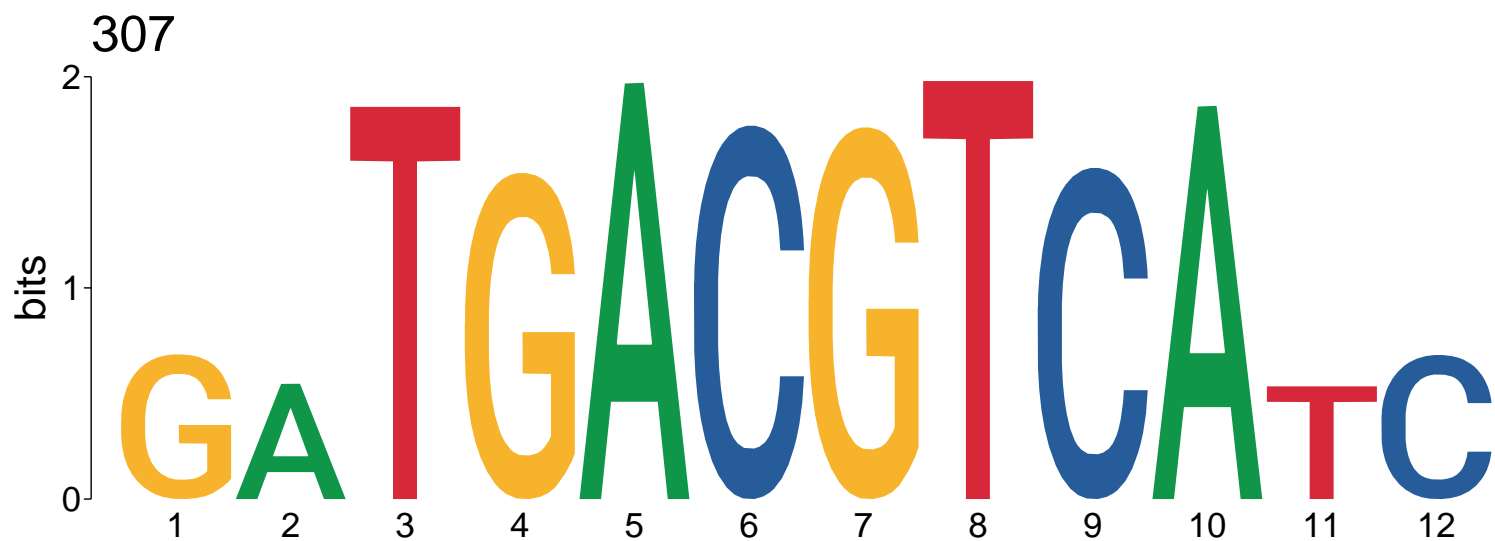
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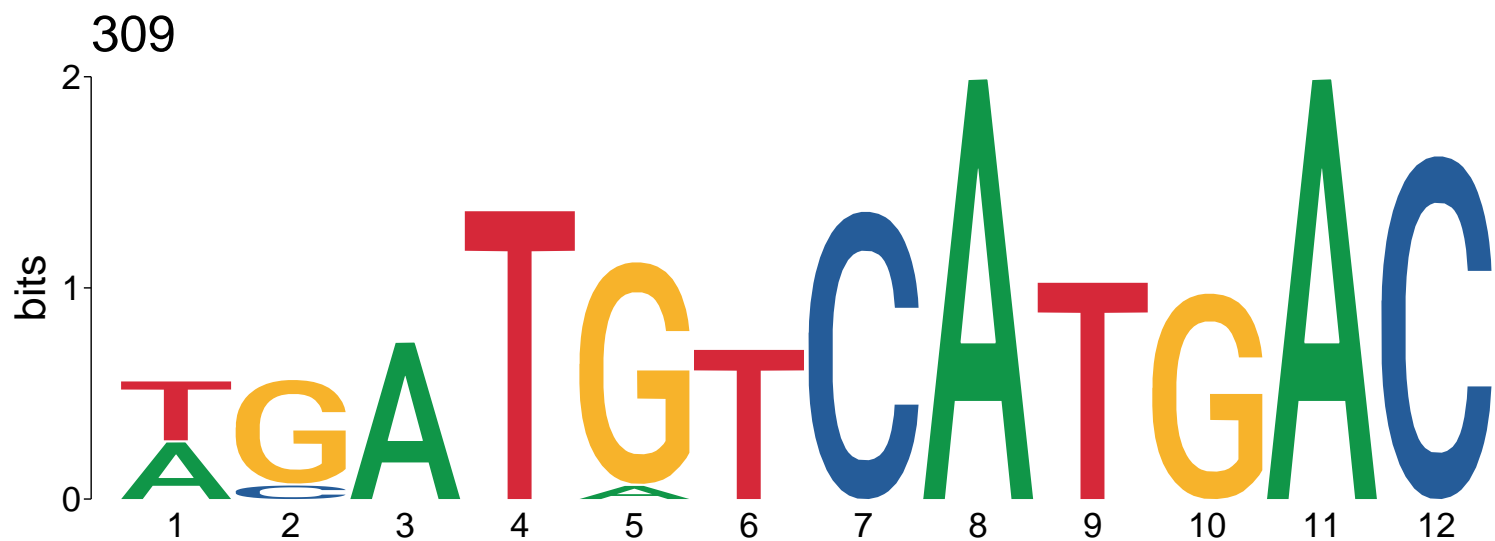
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326

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TGCGATG

327

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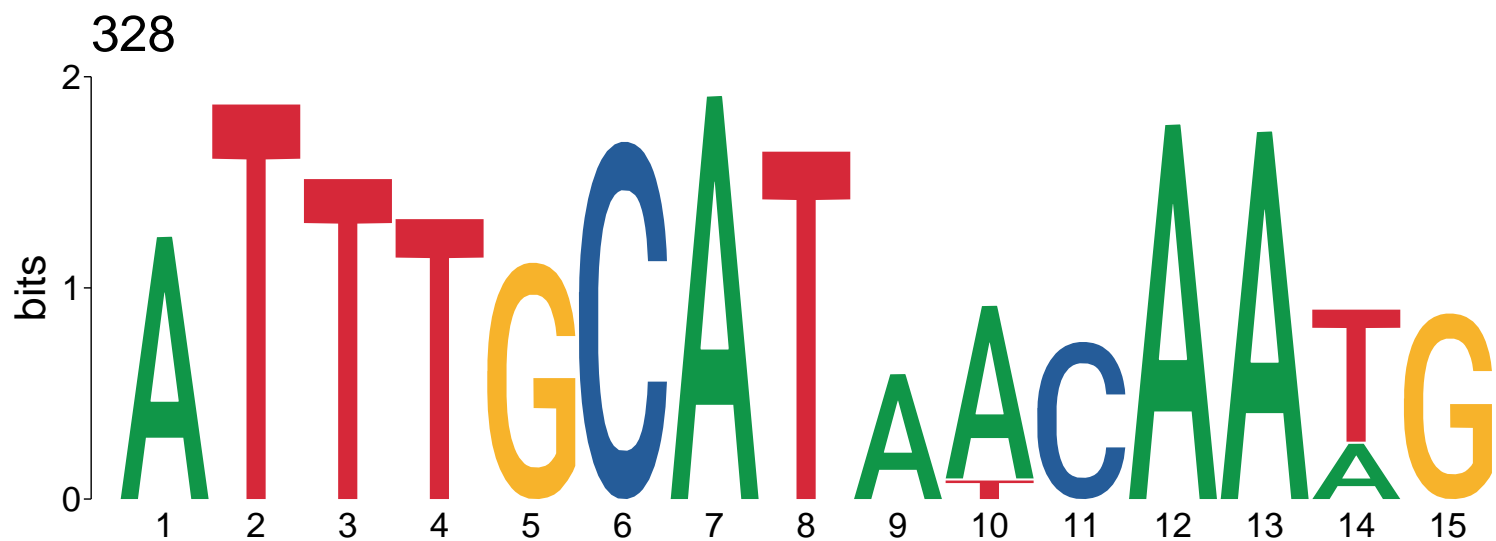
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336

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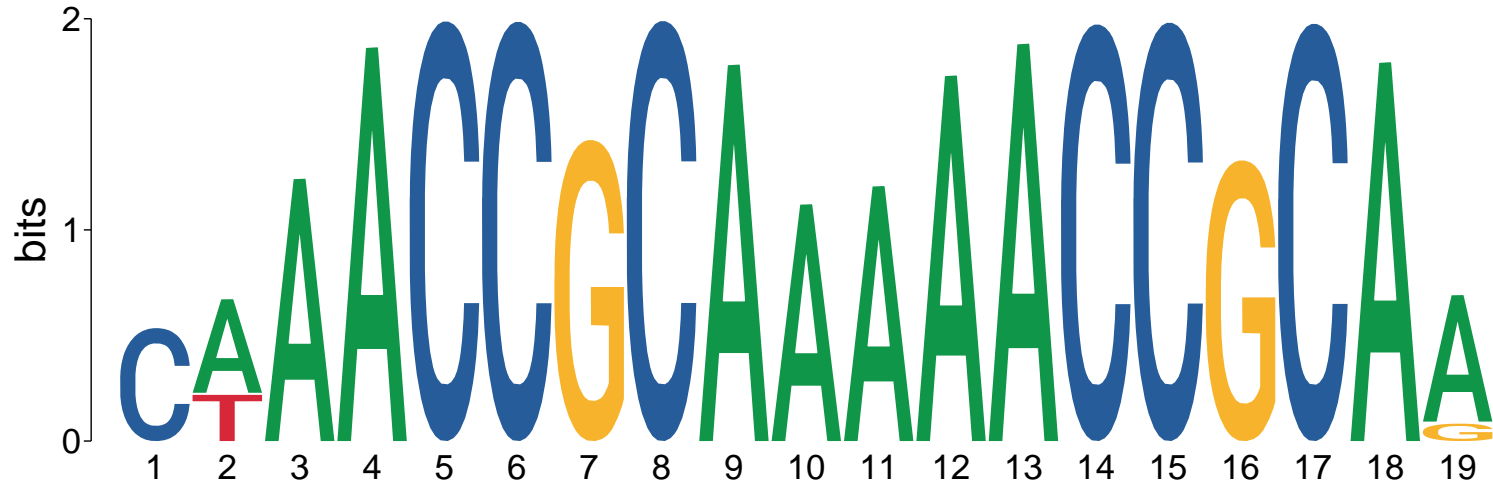
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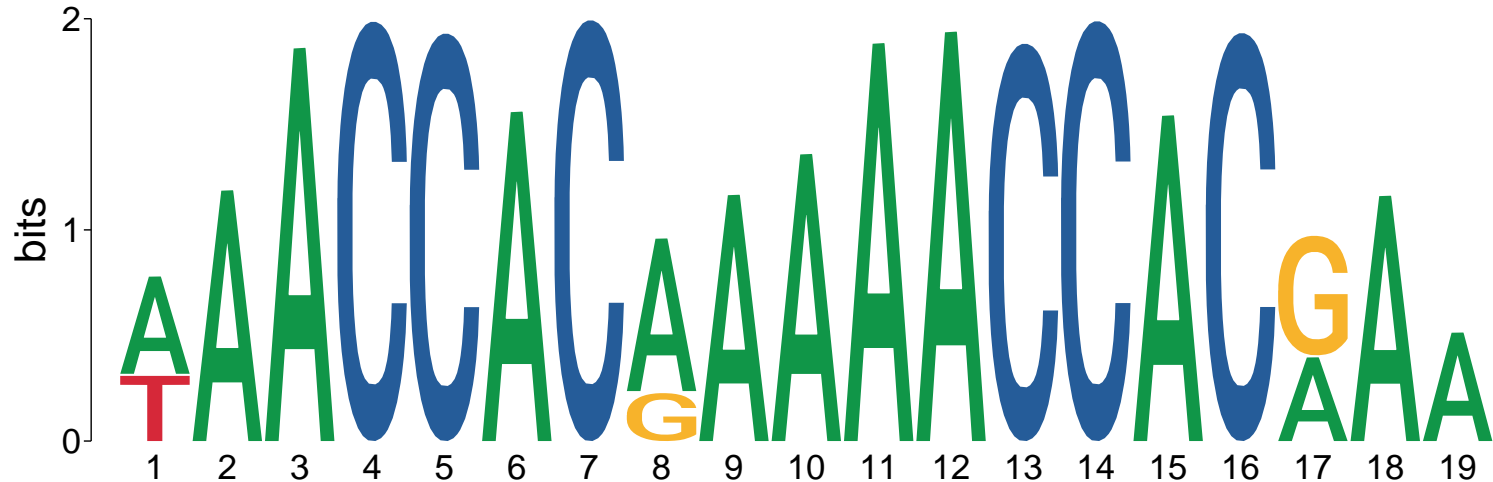
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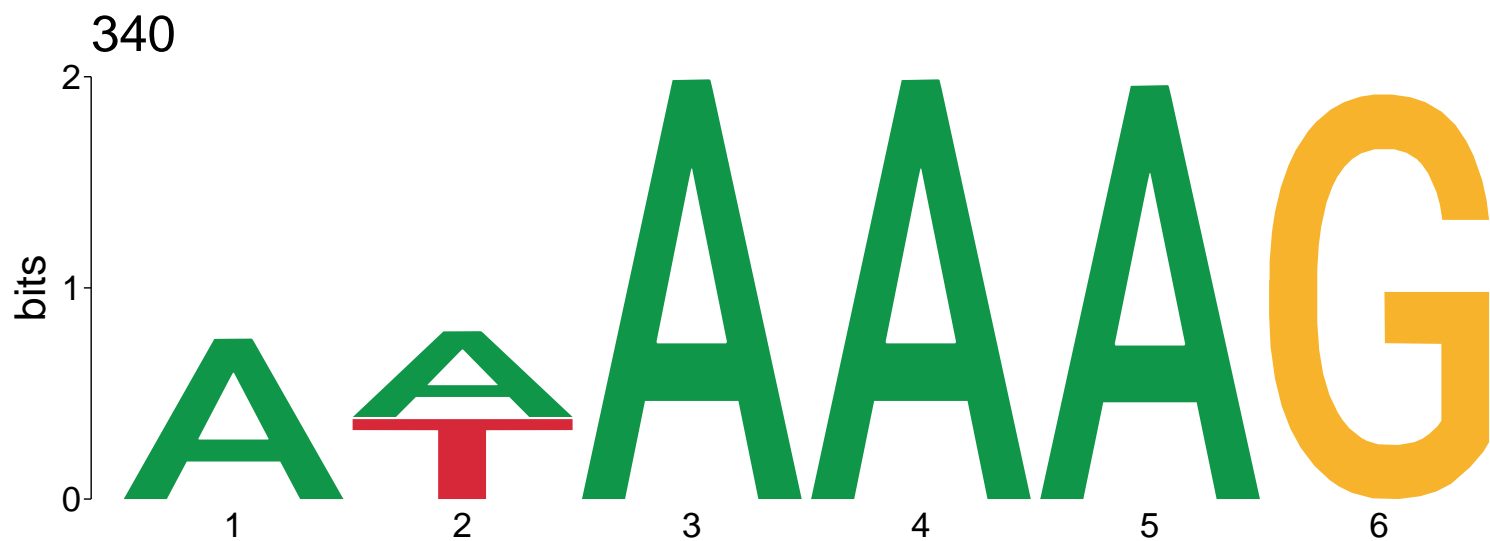


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339





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342

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343



344

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c c A T G G c A A C

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9

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12



347

bits

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348

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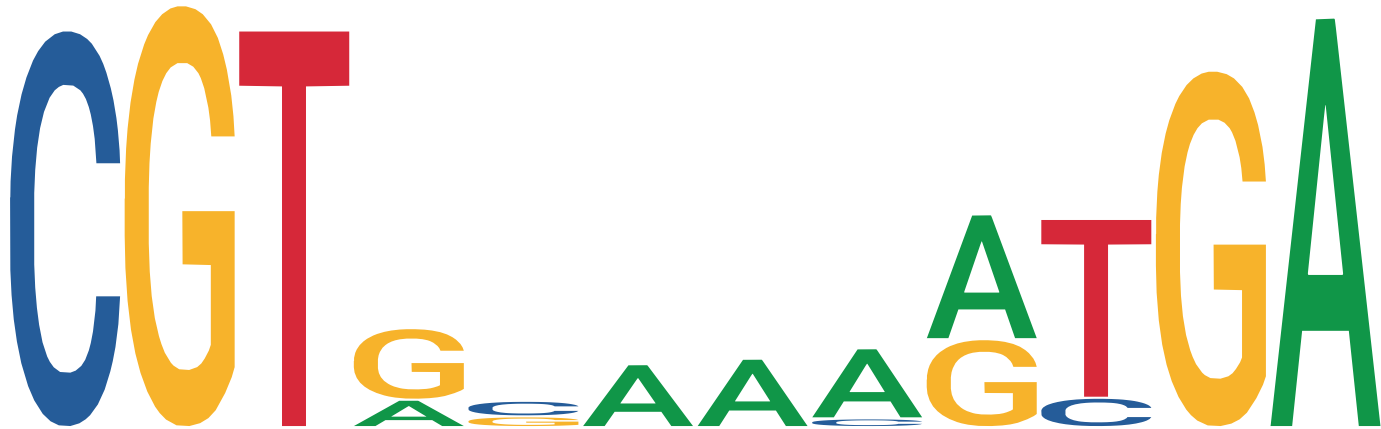
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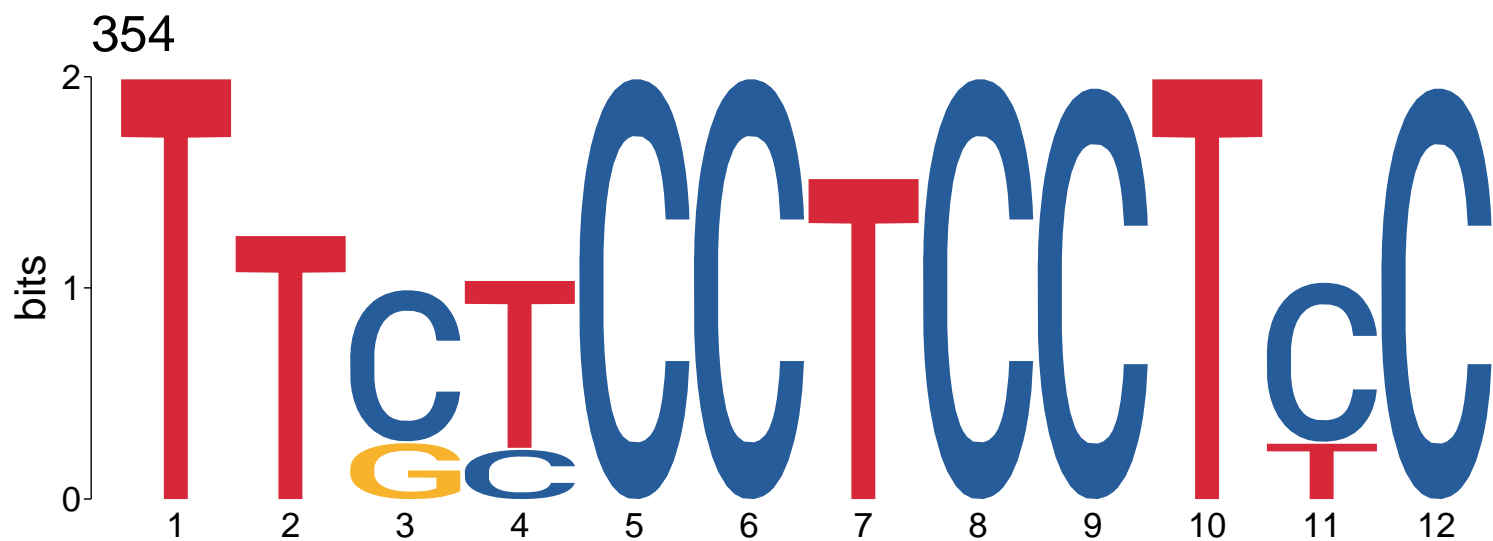
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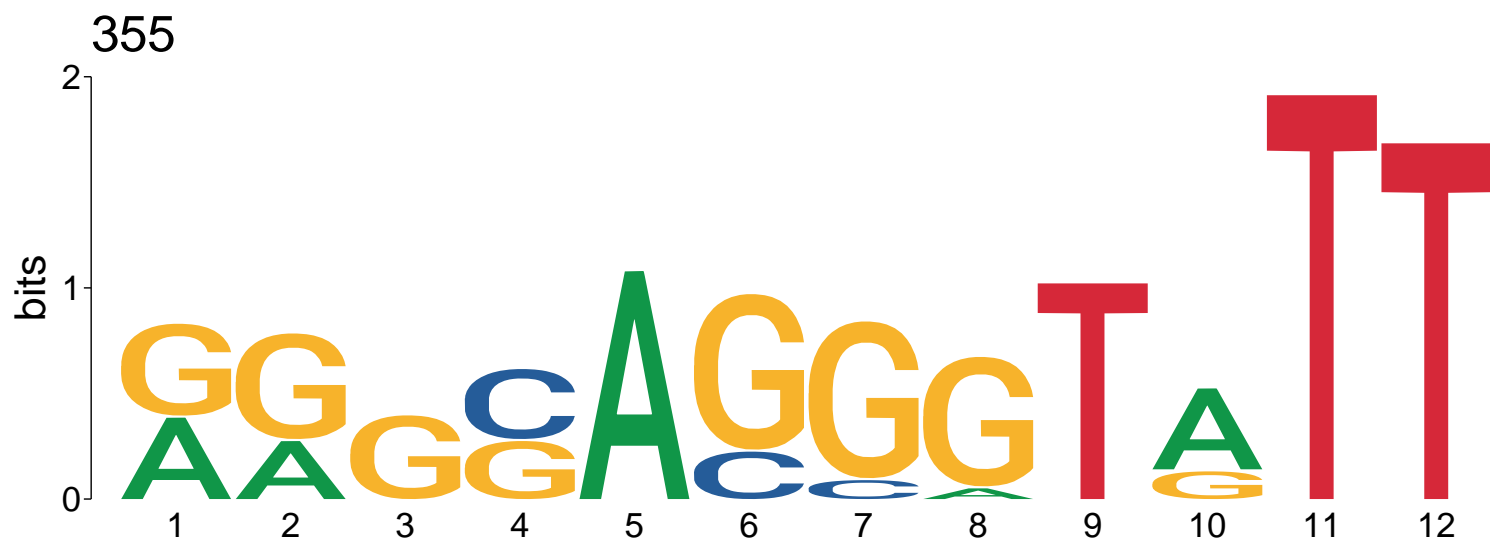
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357

bits

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358

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G T C T A G C A A C

362

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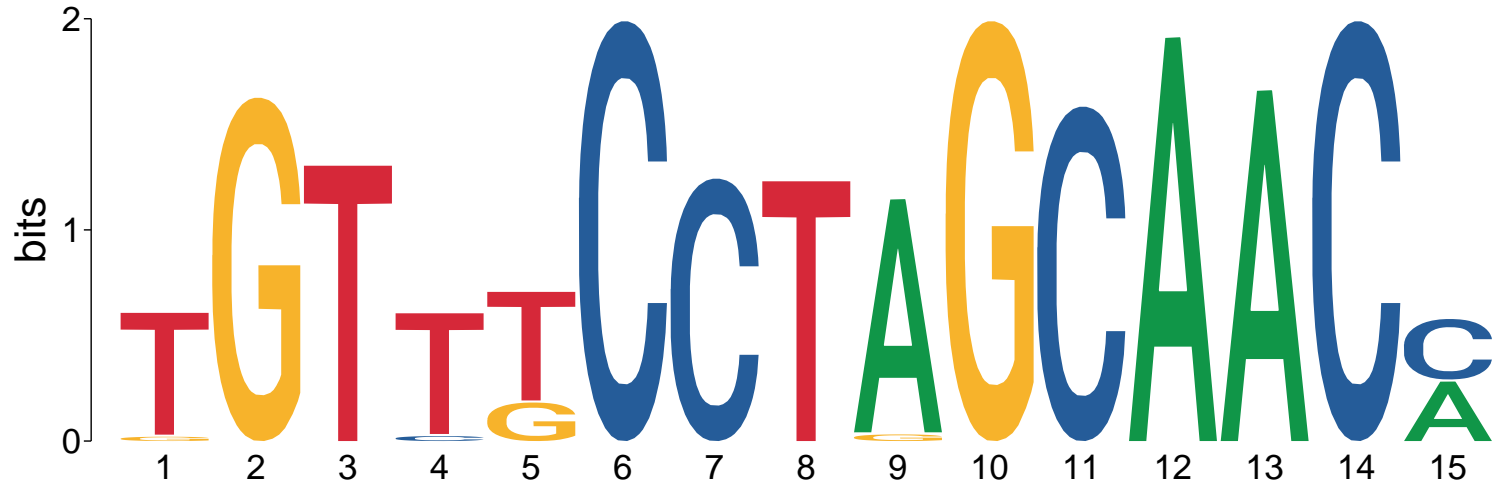
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363



364

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365

2

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bits

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

C G T T G C T A G G C A A C G

G

367

2

bits

1

0

1

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3

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5

6

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8

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368

2

bits

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A

C

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369

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bits

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G A A C C T C T T G

370

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371

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GTCATTTATTC

372

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bits

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T

G

A

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373

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374

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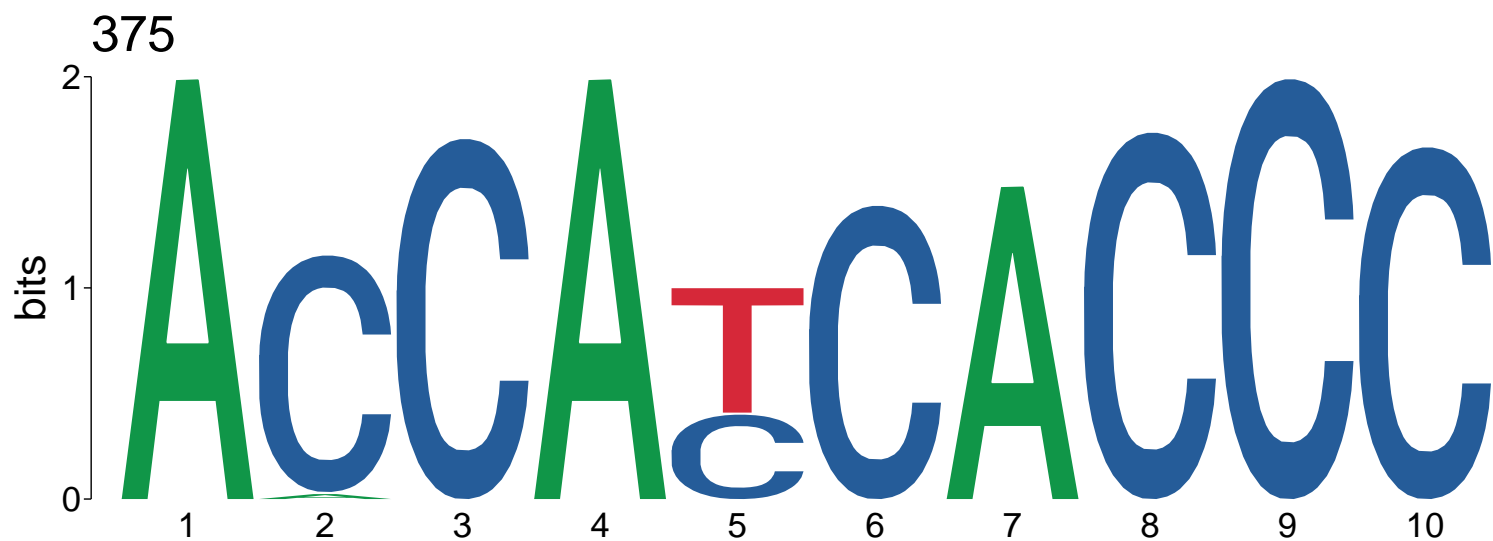
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c t c t G t c A t c



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G T C A G C A C G C

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A

C

G

C



381

2

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AAGGGAATGA

382

2

bits

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383

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GGAGATAGGG

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386

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12

Sequence logo showing nucleotide conservation across 12 positions. The sequence is GACGGTTAAACGA. The y-axis represents information content in bits (0 to 2). The total sequence length is 386. The sequence is color-coded: G (yellow), A (green), C (blue), T (red).

Position	Nucleotide	Information Content (bits)
1	G	~0.8
2	A	~1.0
3	C	~0.9
4	G	~1.4
5	T	~1.4
6	T	~1.3
7	A	~1.7
8	A	~2.0
9	C	~1.7
10	G	~1.0
11	A	~2.0
12	T	~2.0

387

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bits

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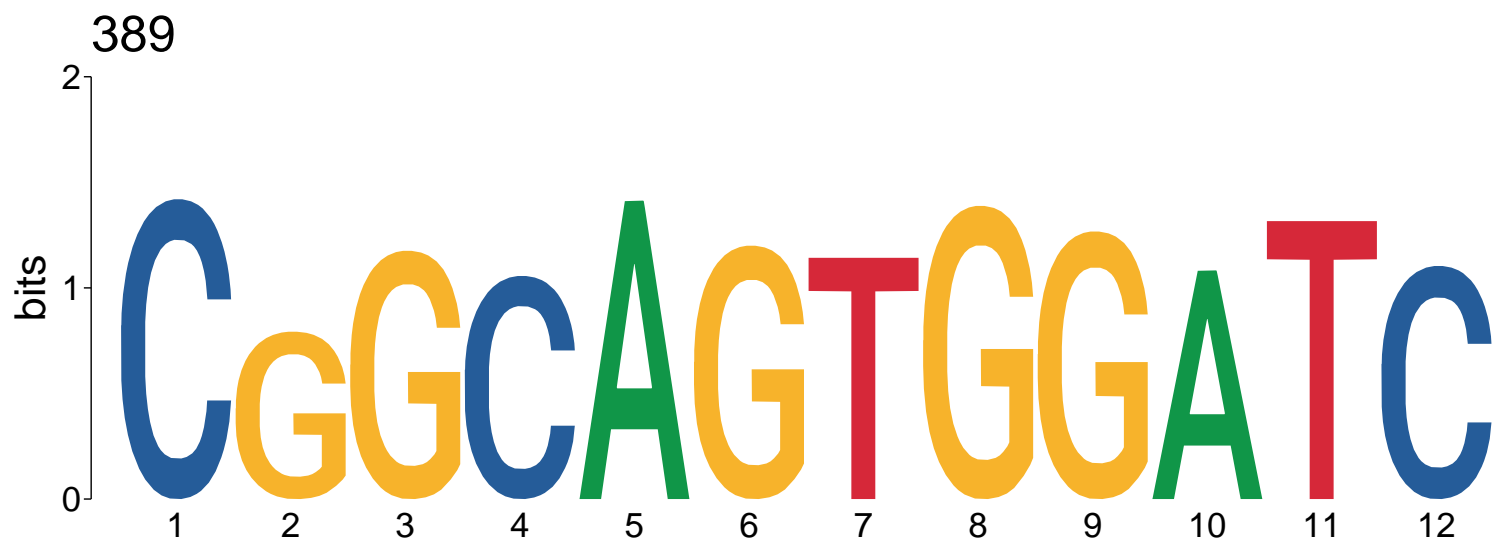
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11

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391

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bits

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392

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bits

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9

GGAAACAGGC

393

2

1

0

bits

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2

3

4

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9

10

TTTAAATAATG

394

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bits

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10

C

C

T

A

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396

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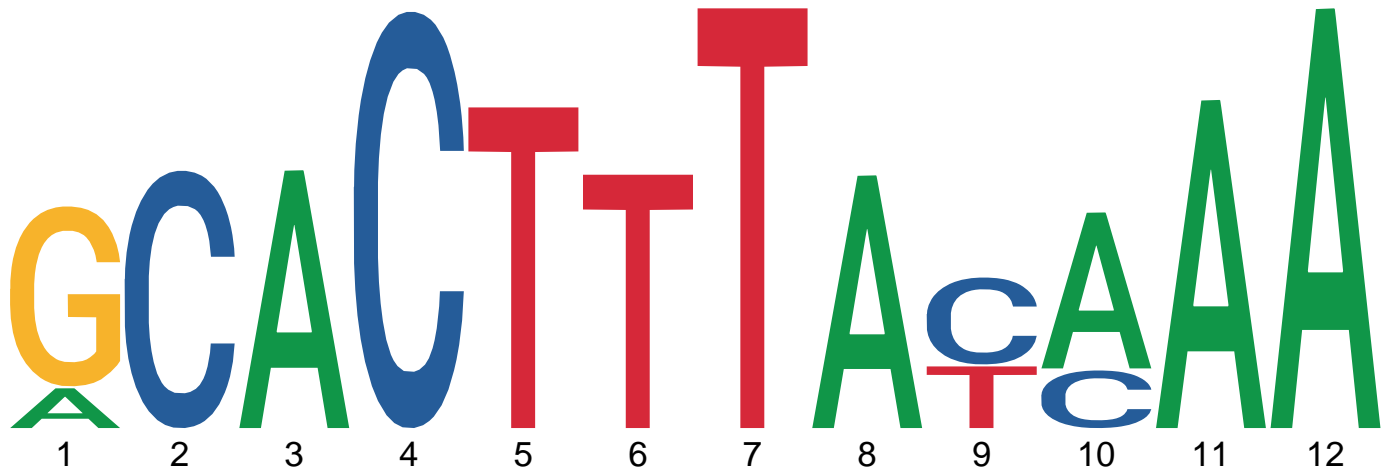
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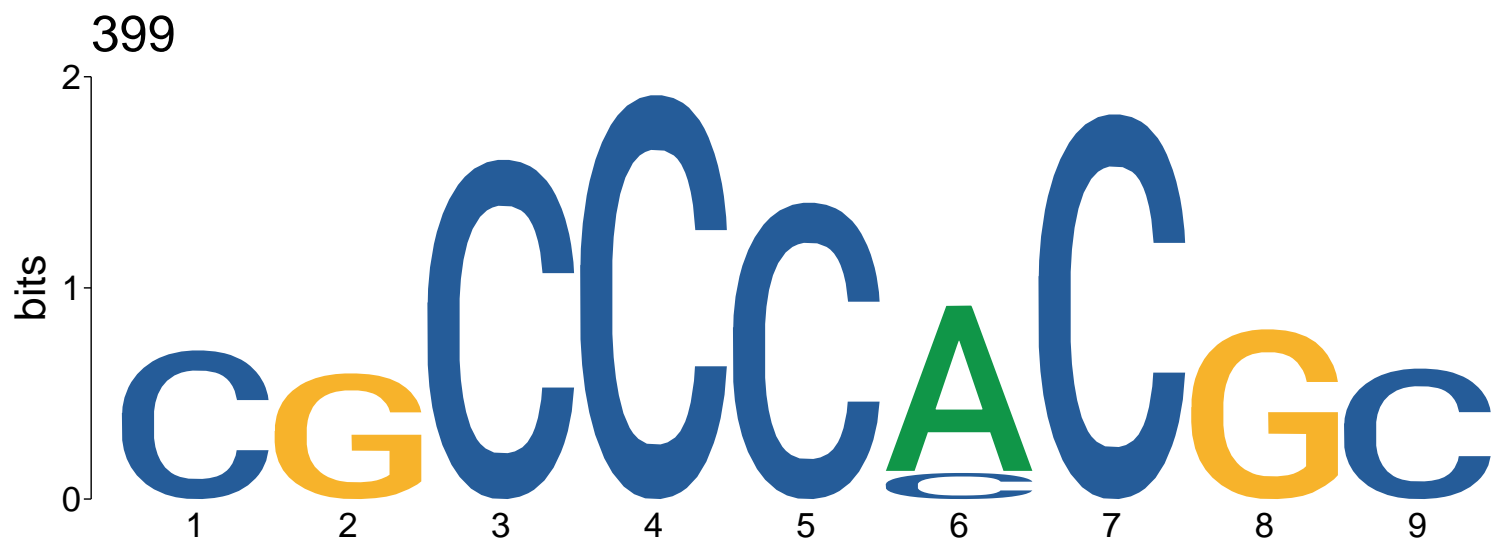
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G T C A G C A

404

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TGCGAAGCAAG

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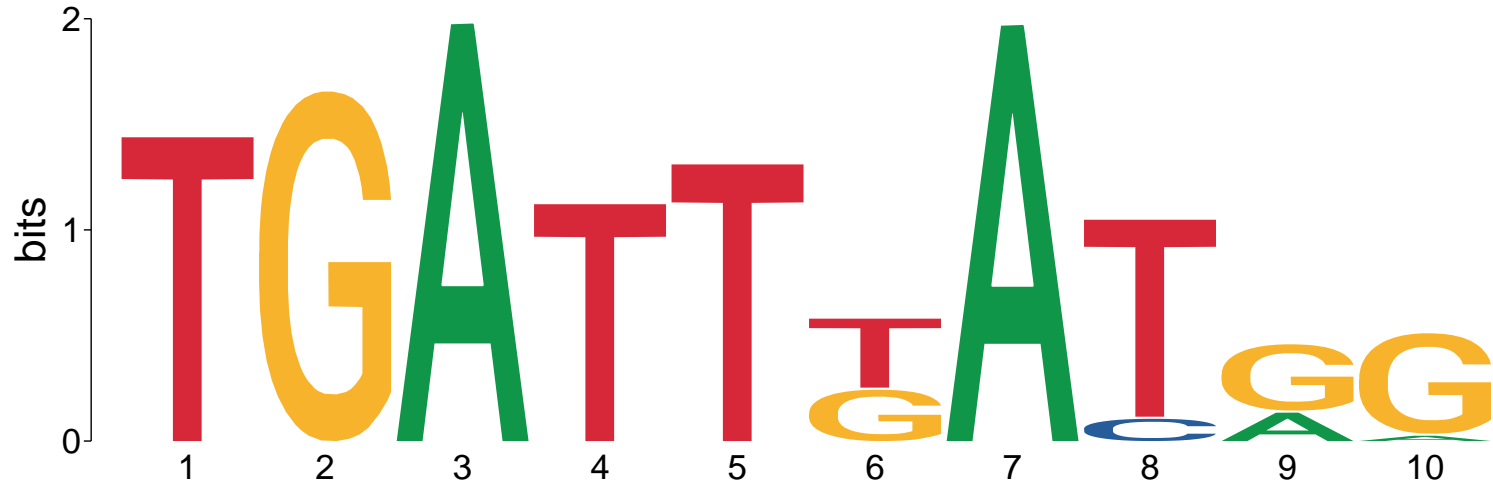
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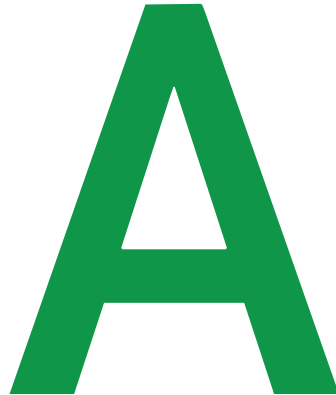
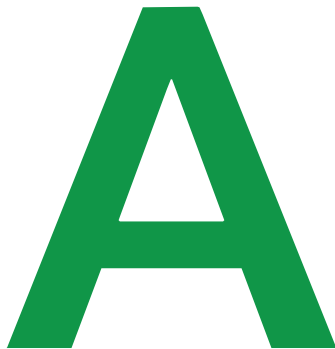
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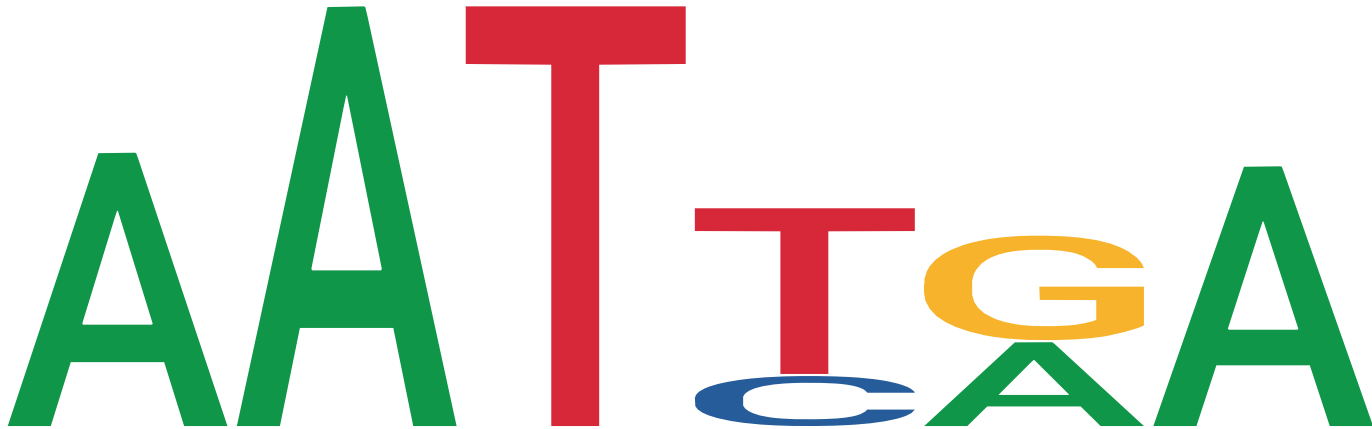
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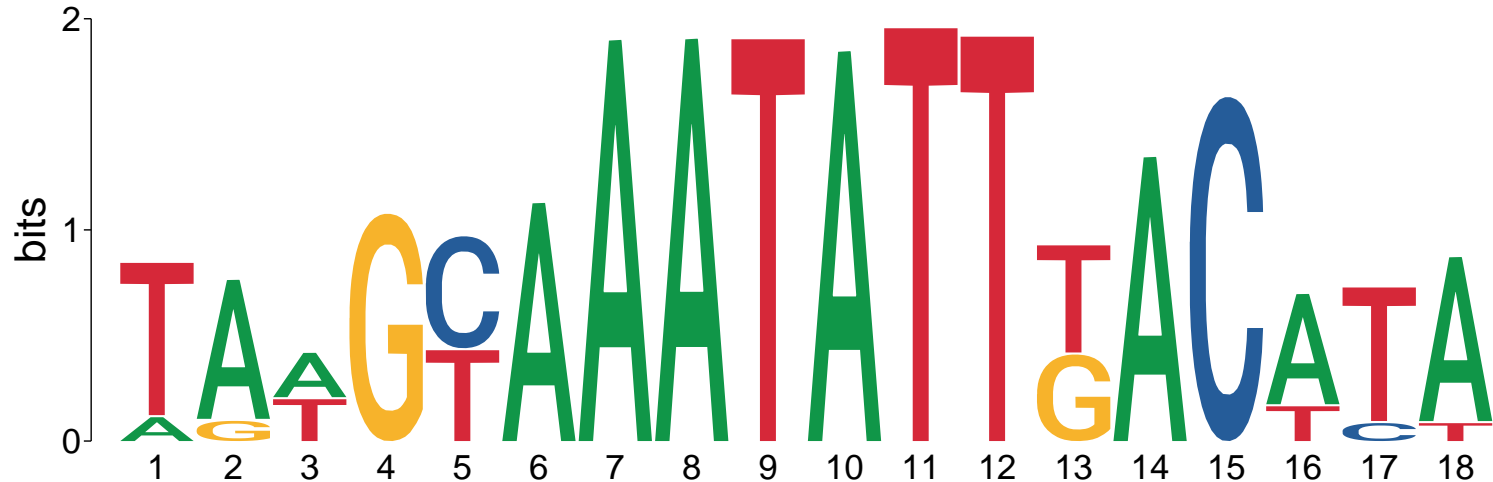
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C T A C C G A A C A

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A c c G A A C A A T

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A C C G A G G C T A C C



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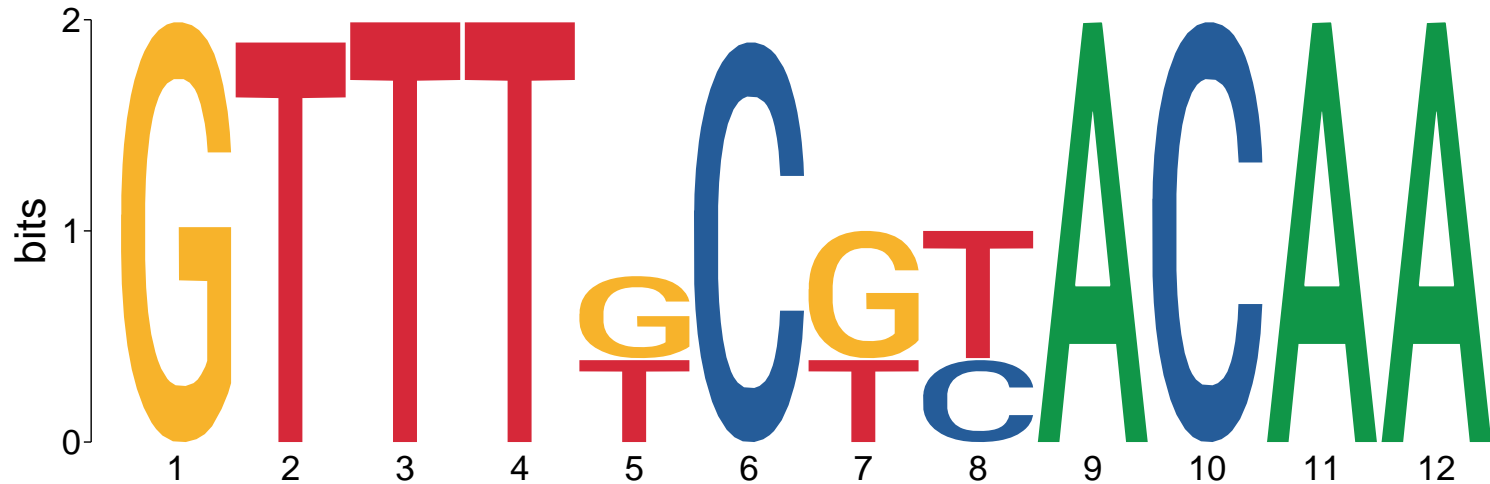
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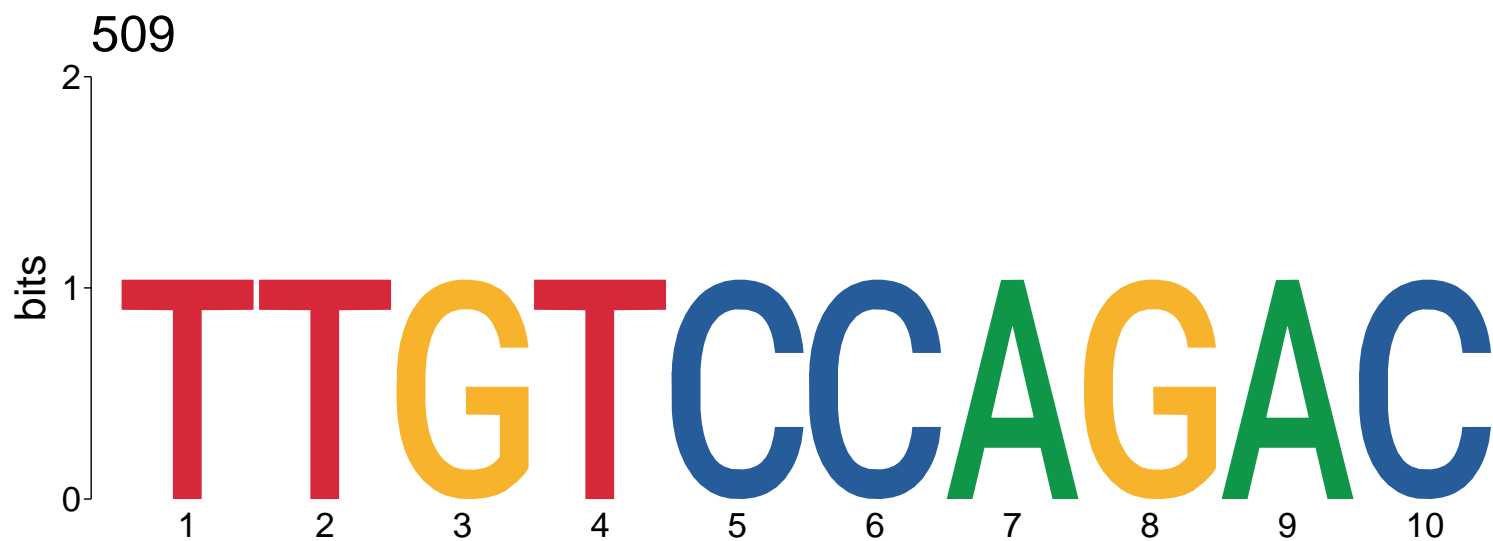
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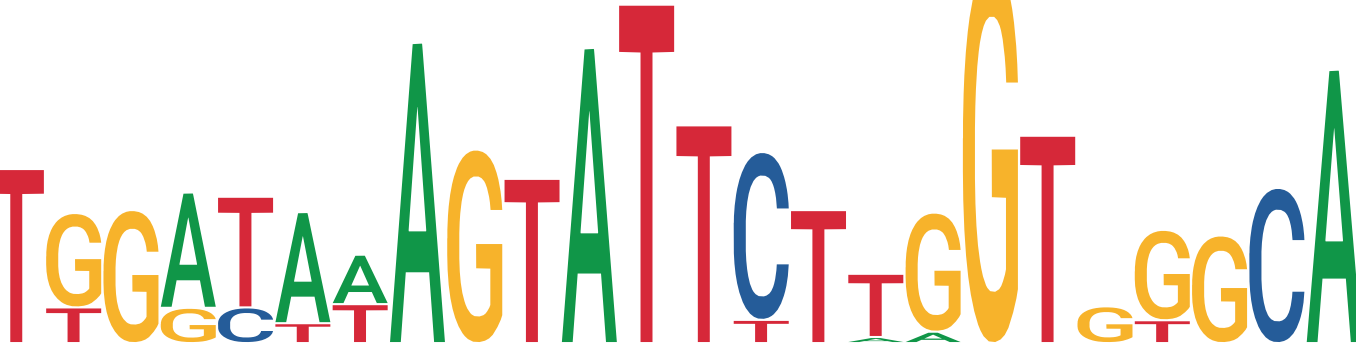
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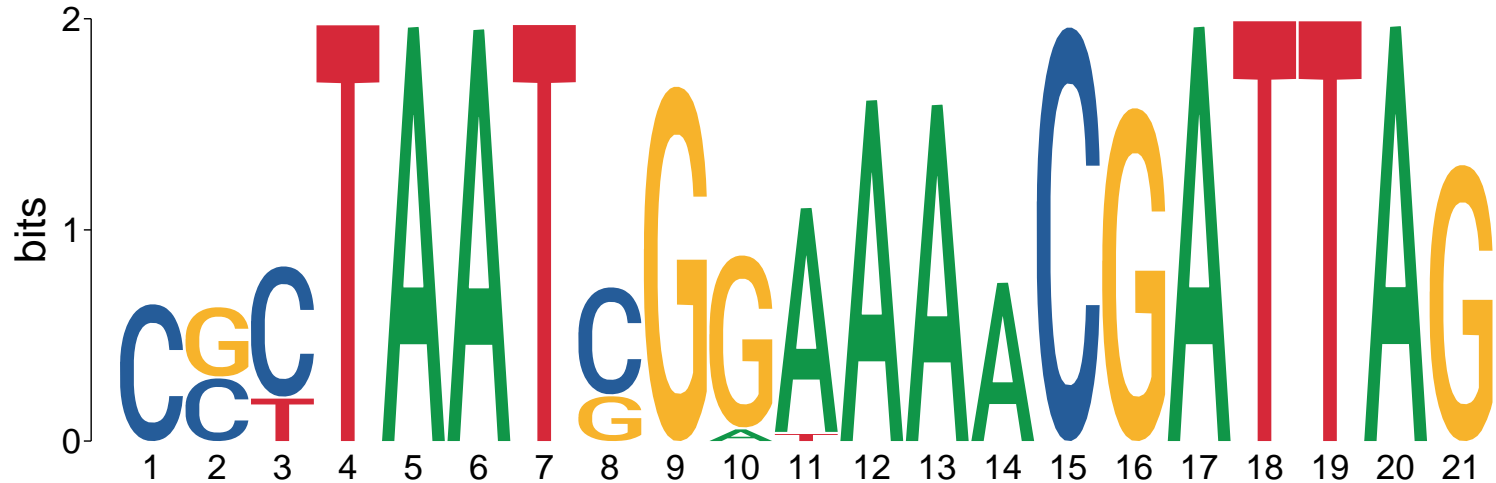
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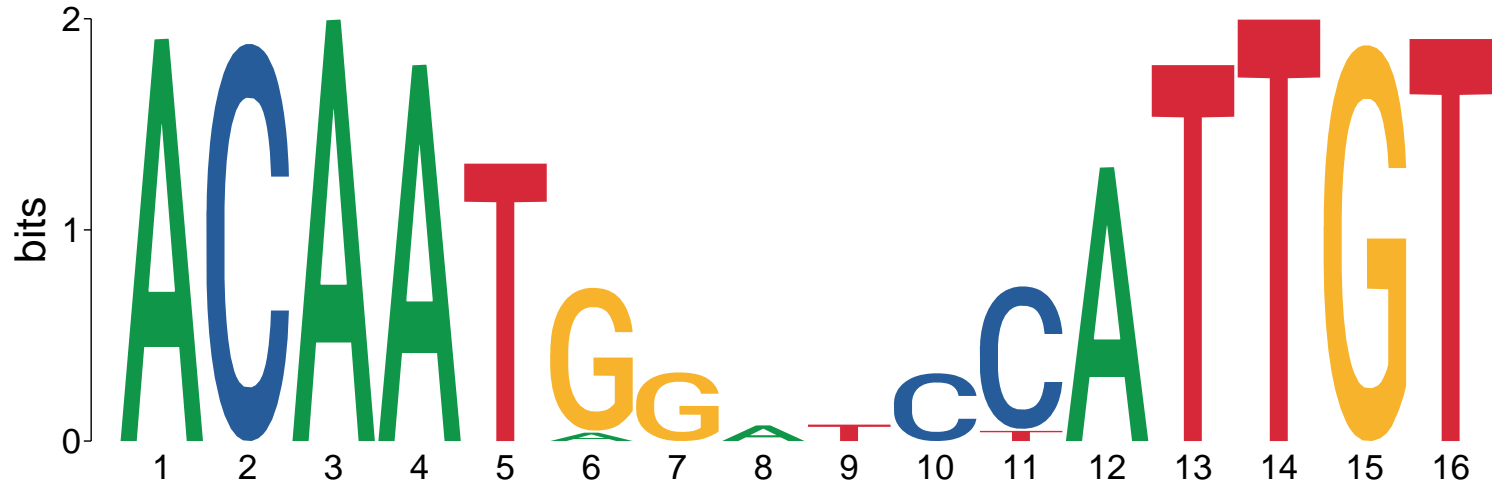
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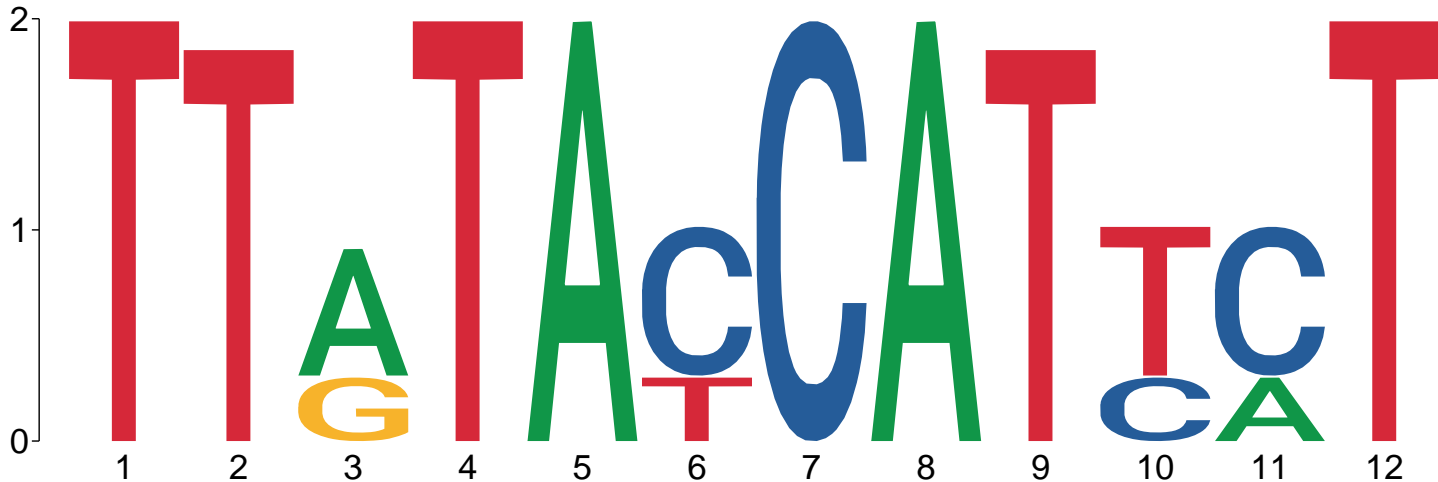
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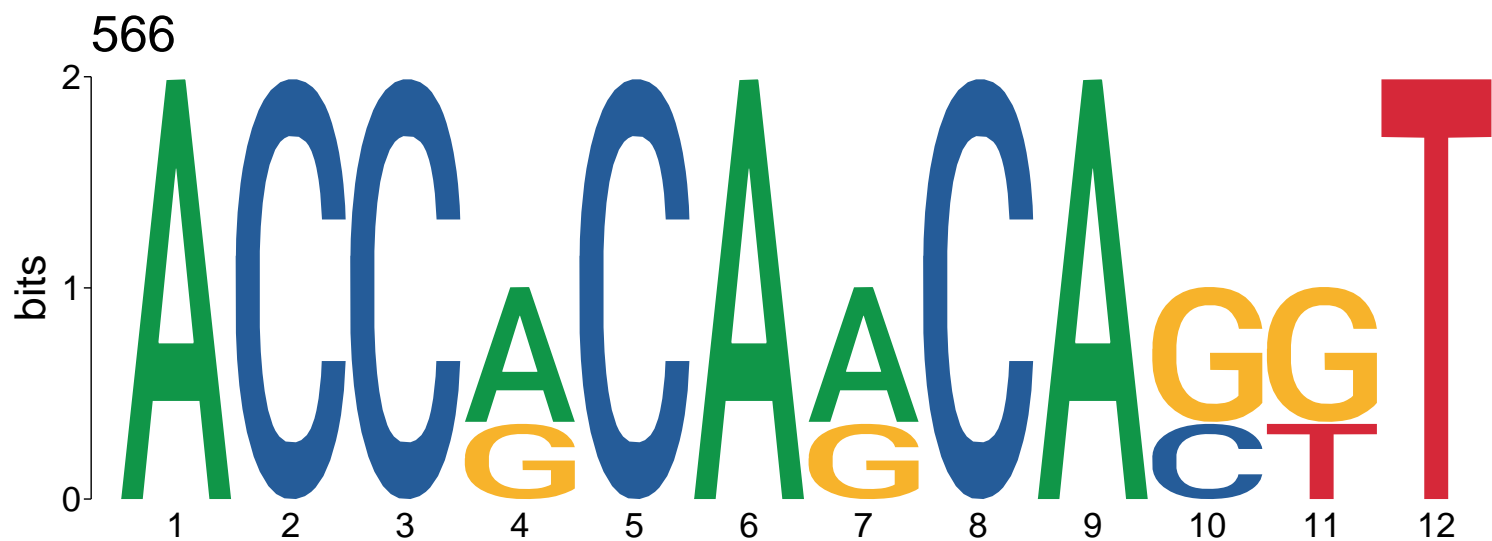
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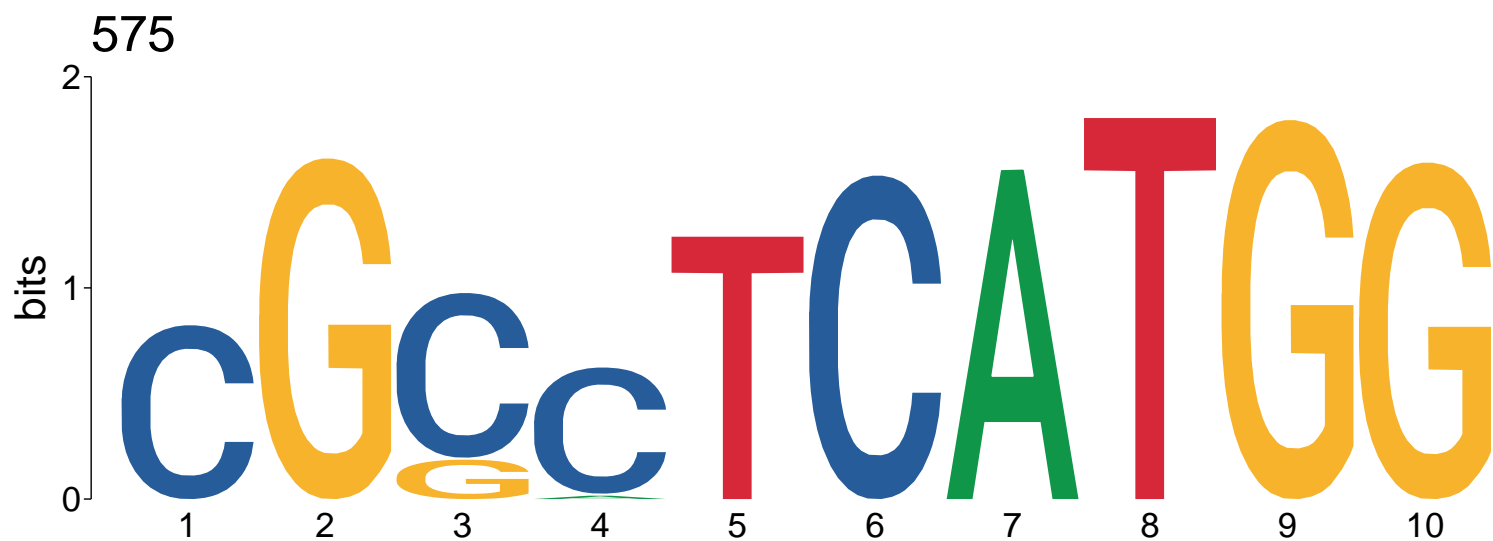
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A T G A C C C G T C



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C A C A C A C A C A



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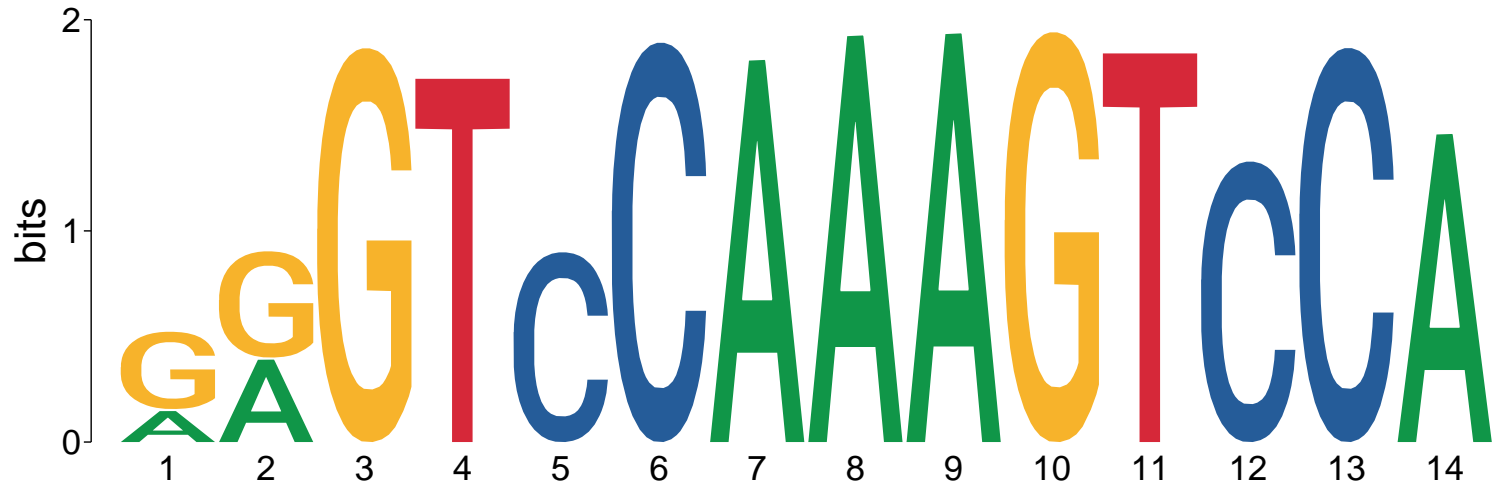
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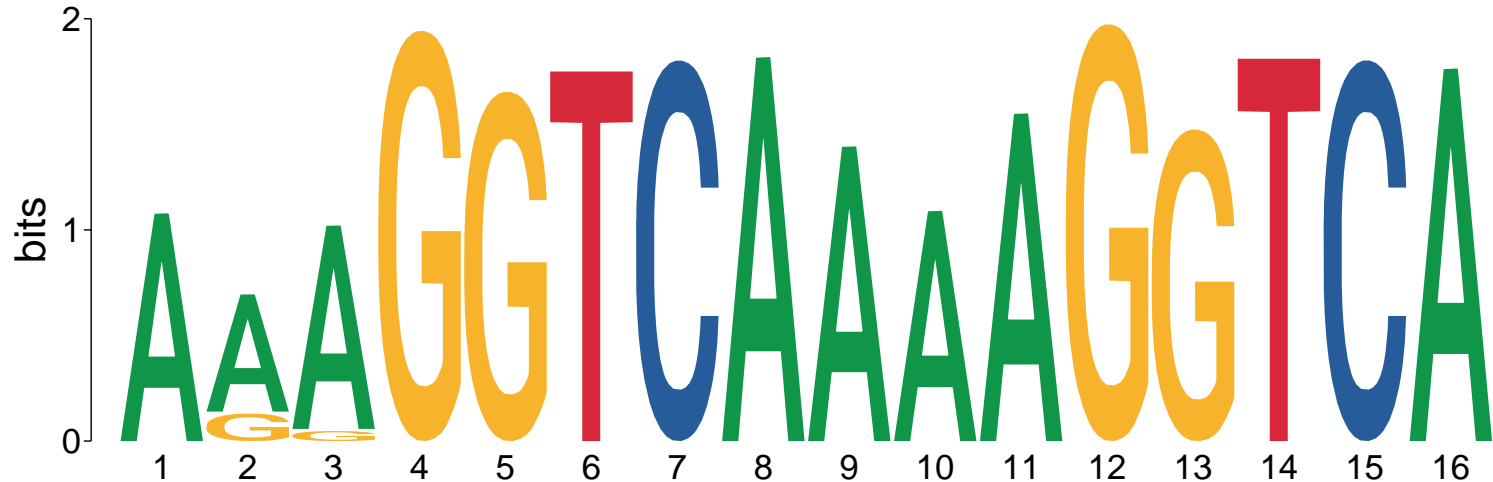
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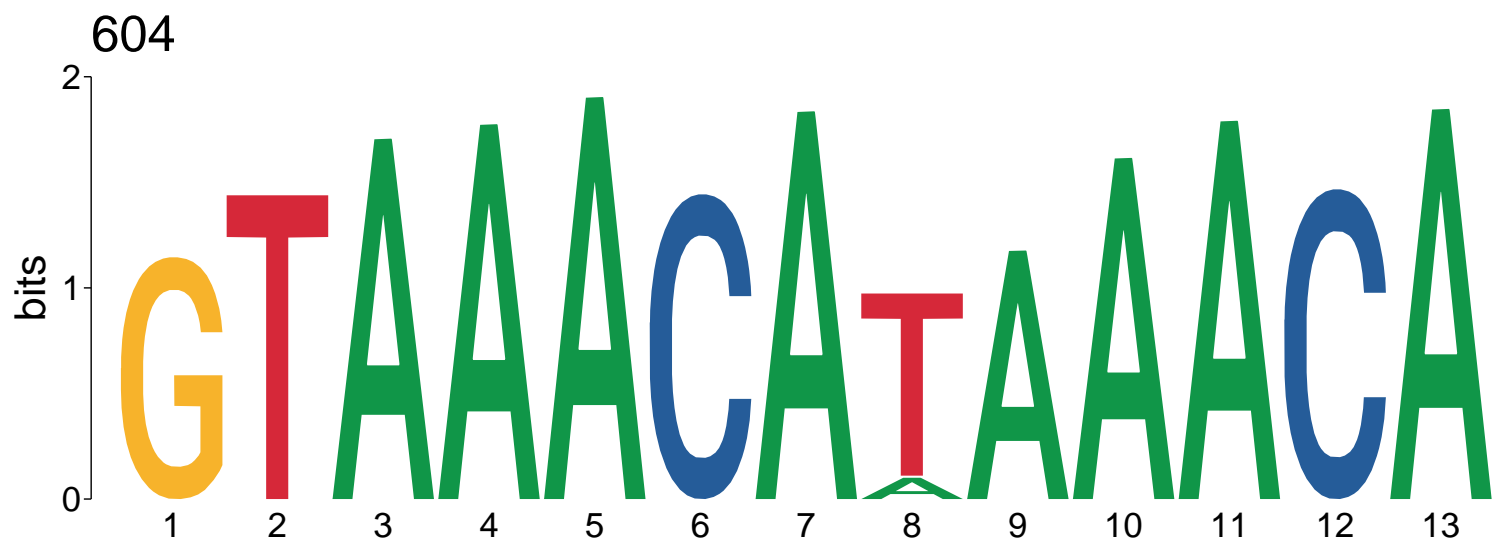
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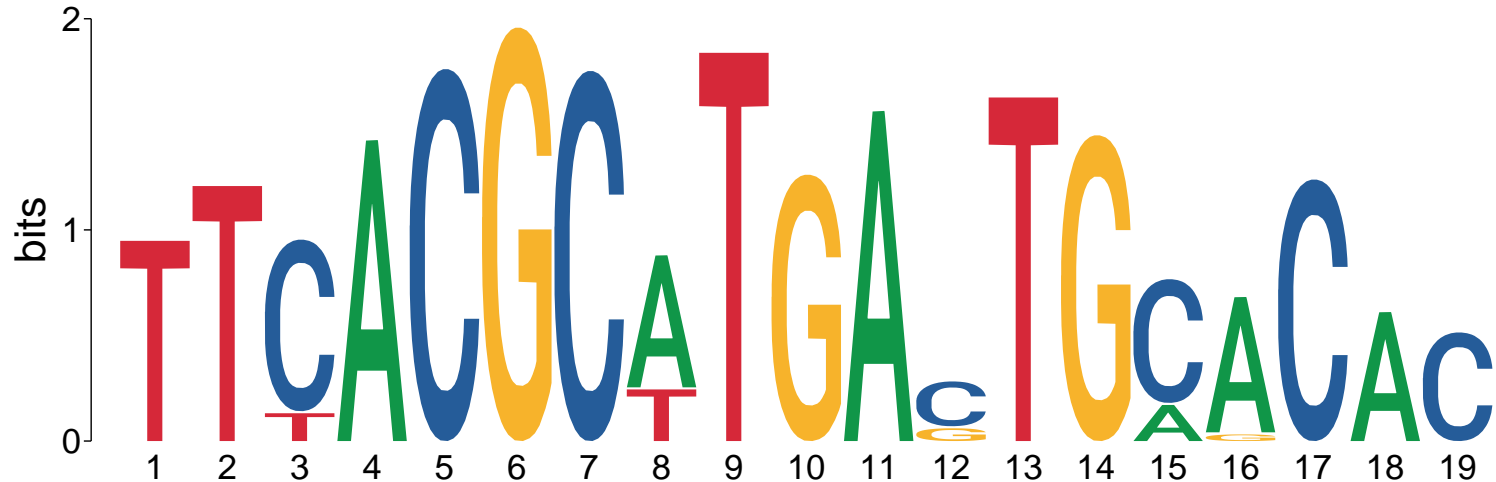
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Position	Base	Count
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2	T	636
3	G	636
4	A	636
5	C	636
6	T	636
6	C	636

638

2

bits

1

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11

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14



639

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bits

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C

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bits

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G

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G

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A

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3

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7

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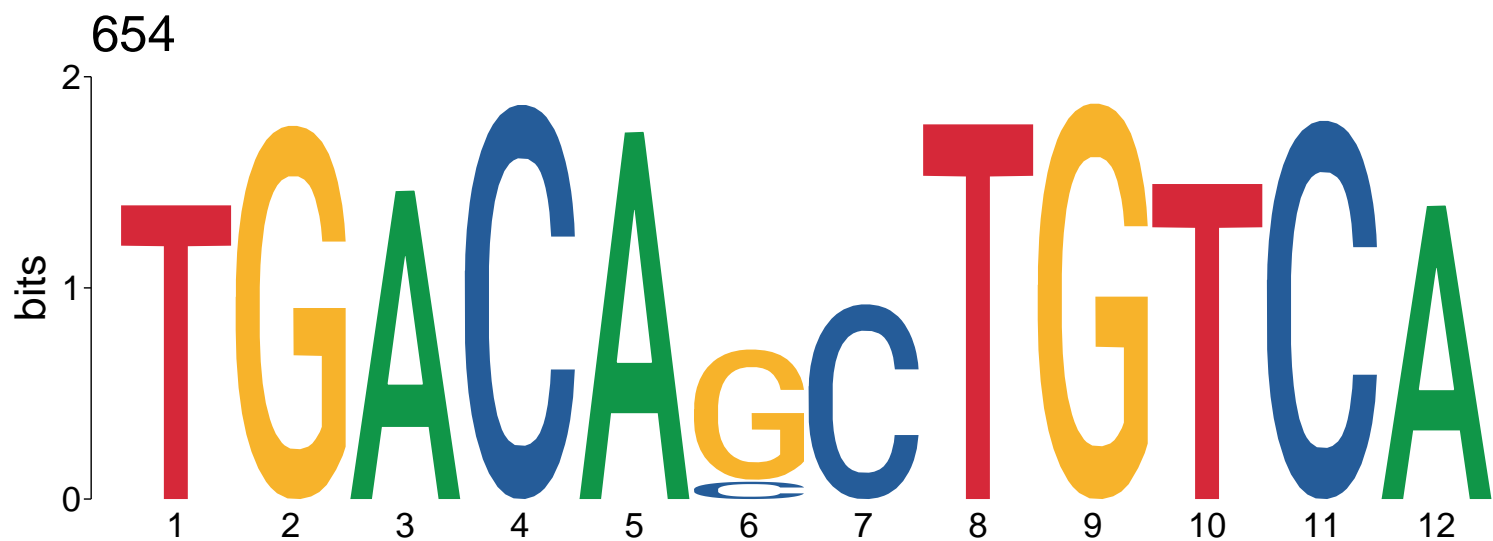
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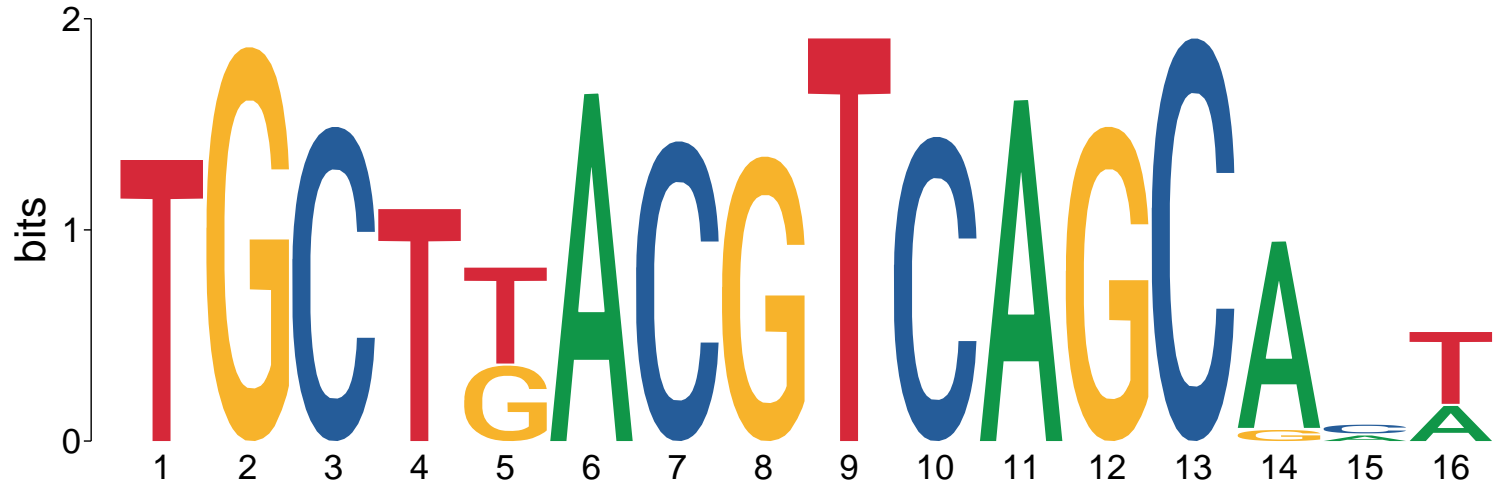
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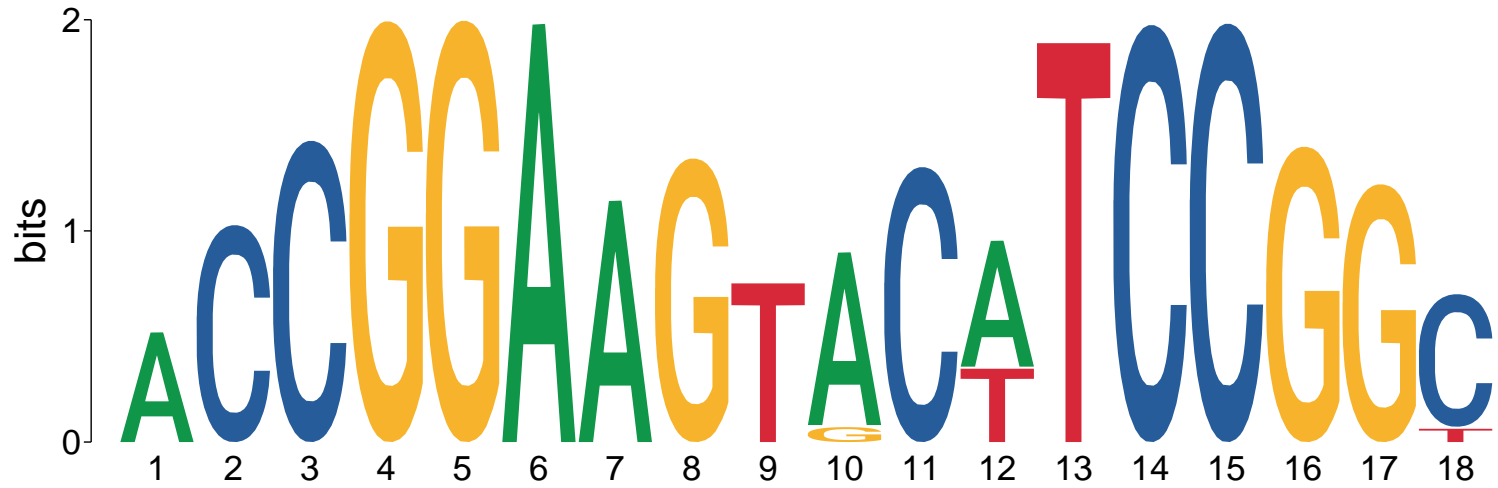
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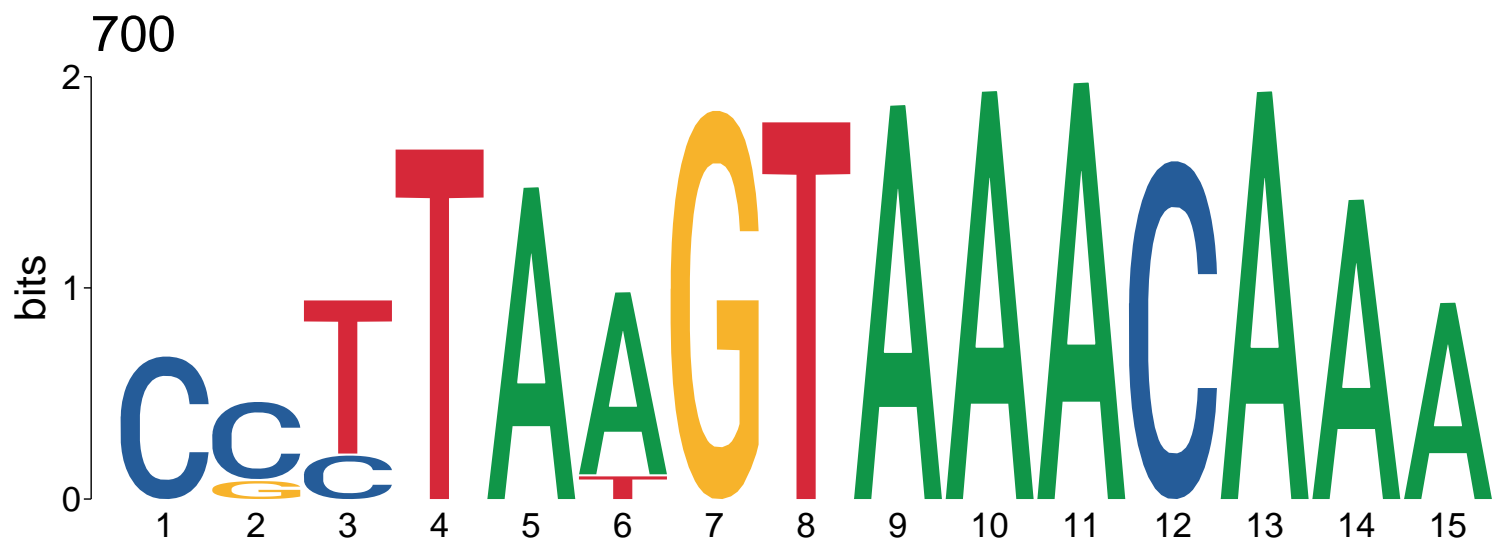
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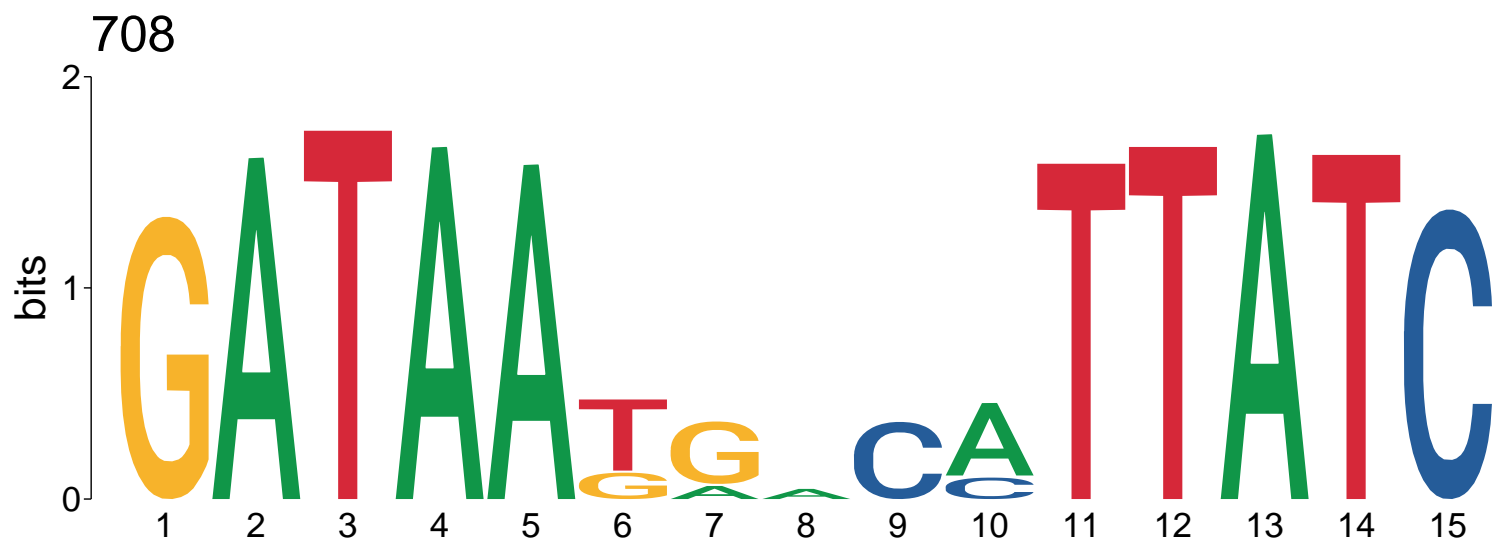
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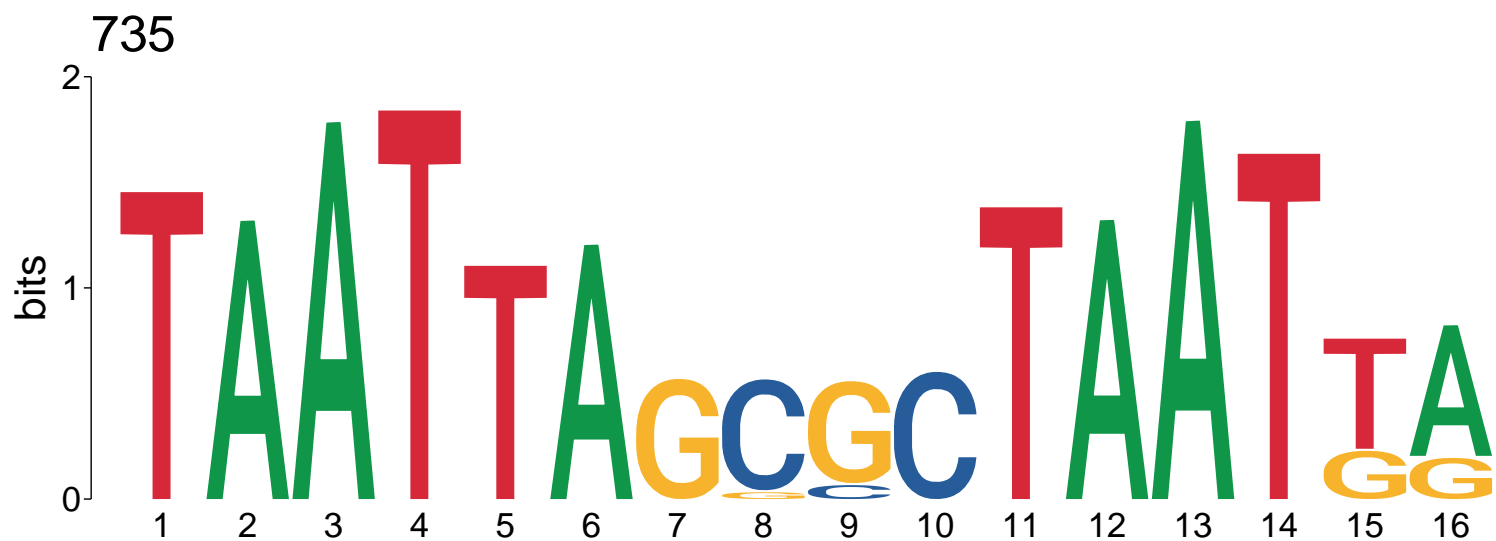
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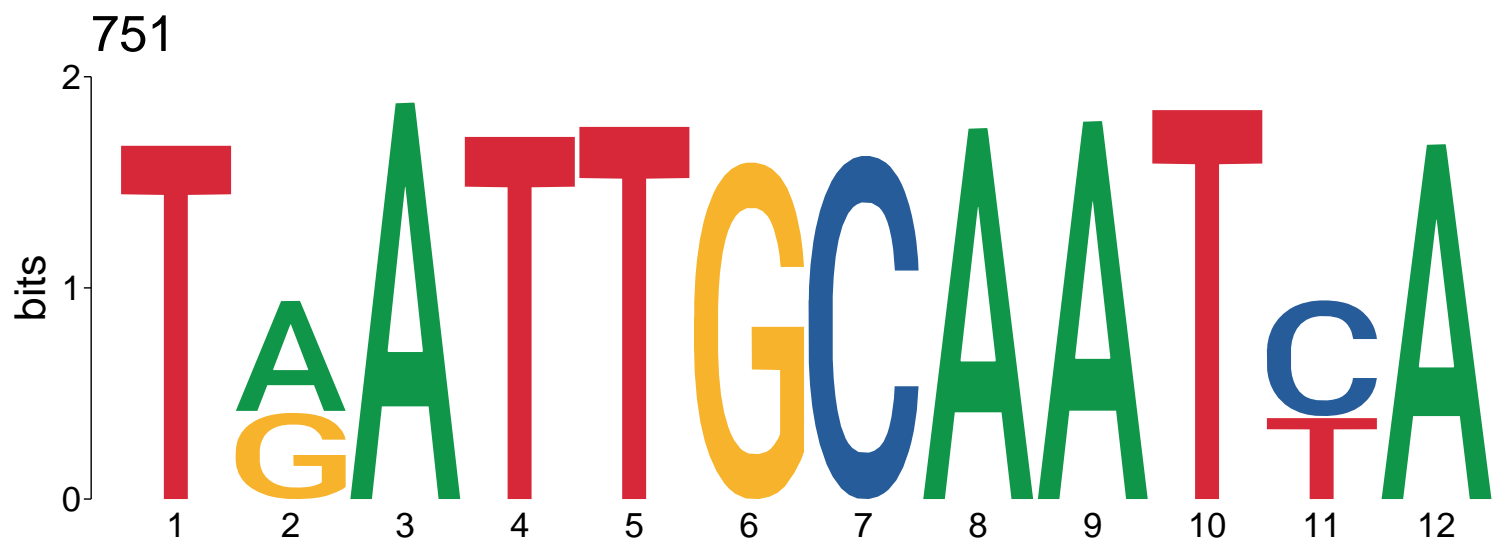
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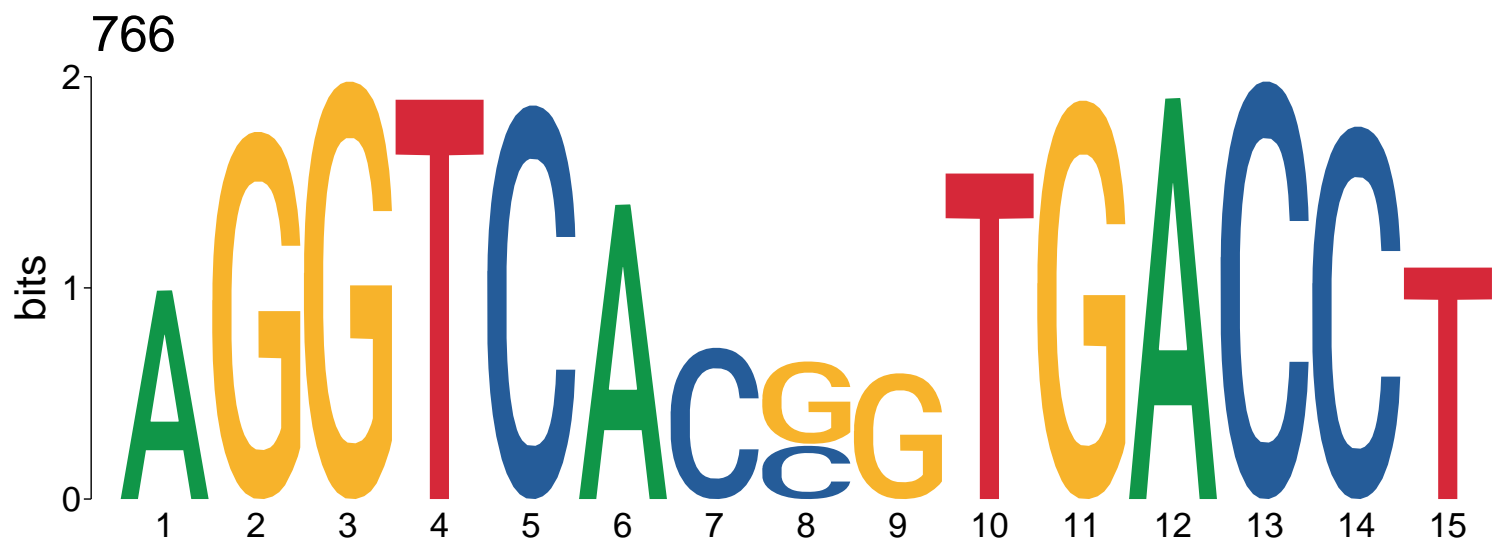
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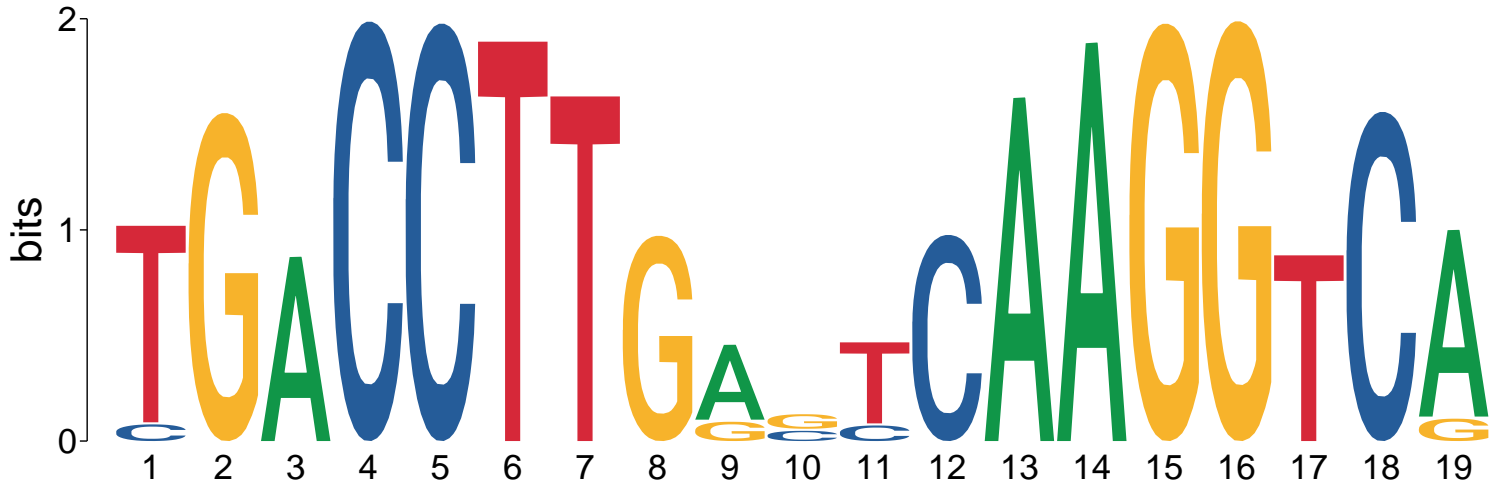
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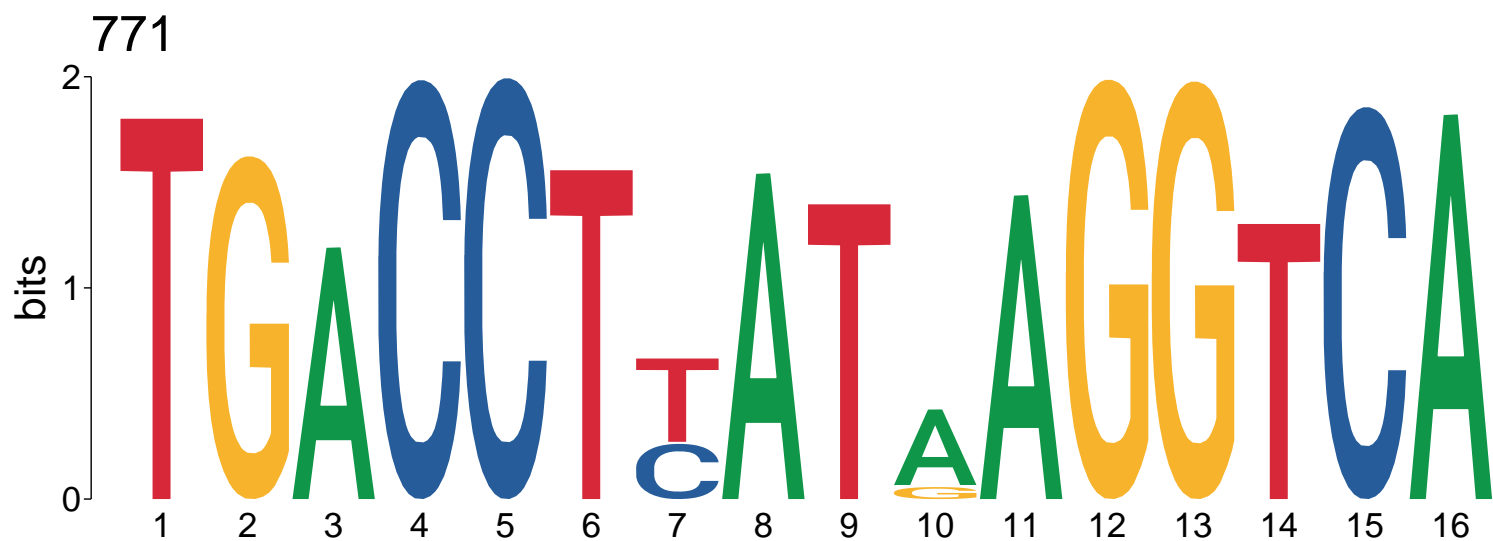




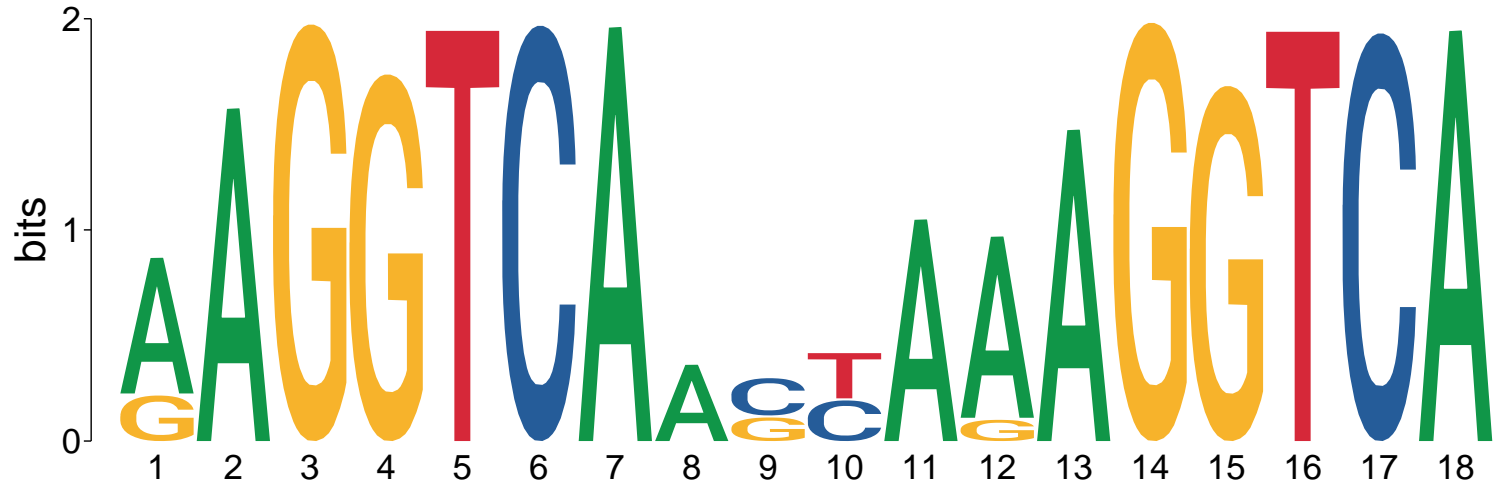


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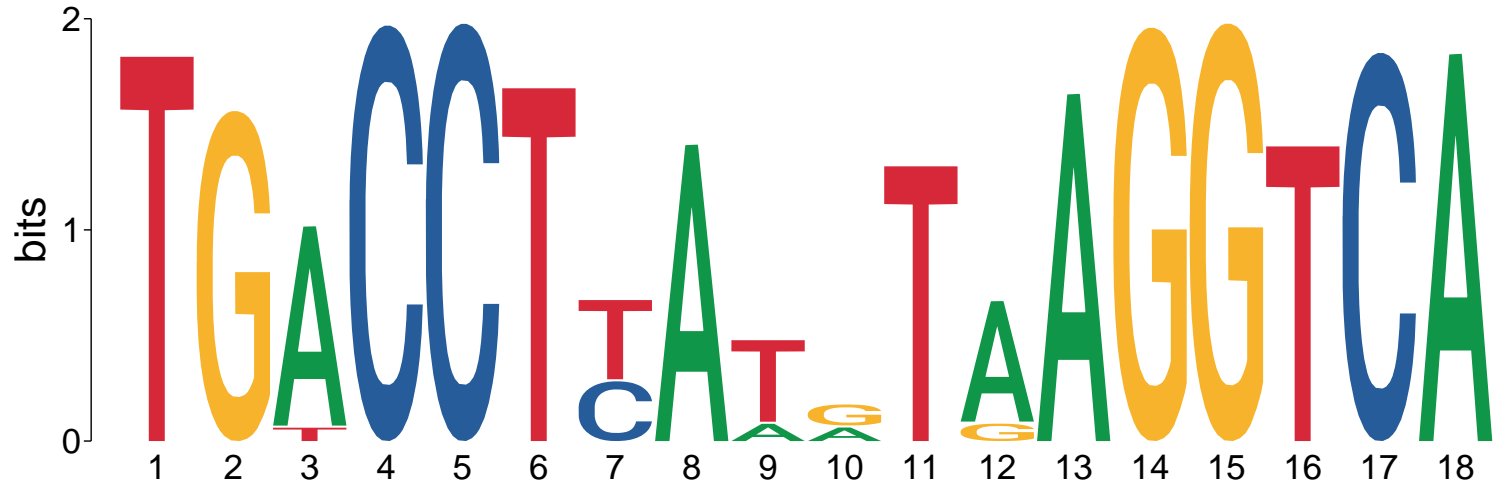


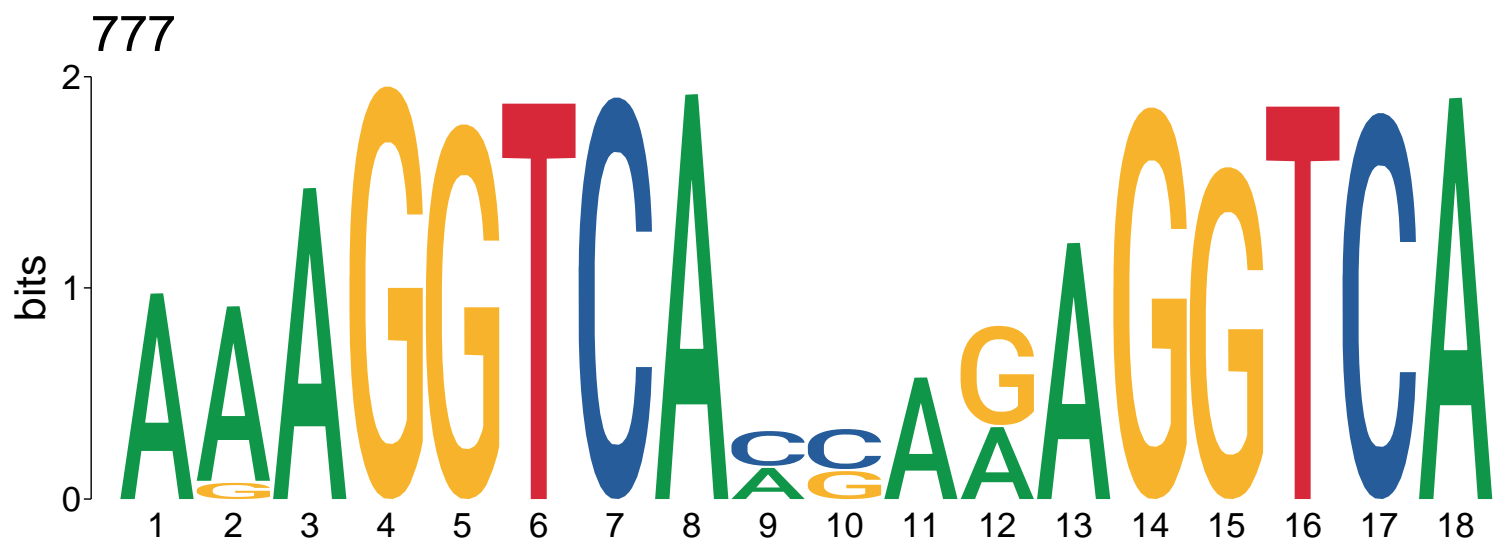


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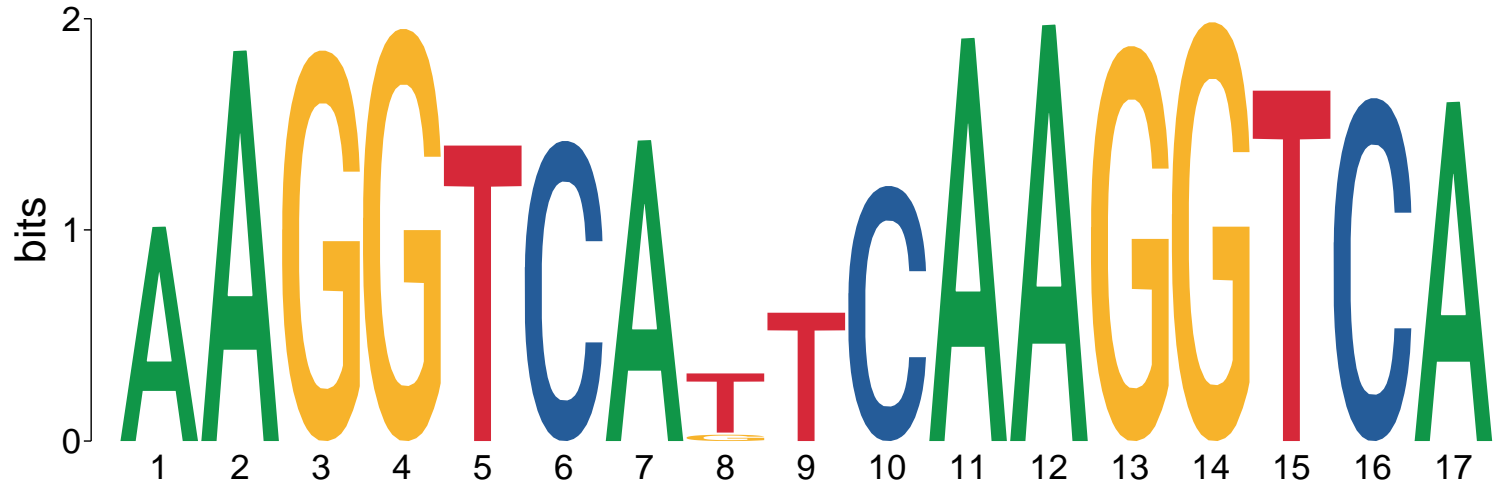


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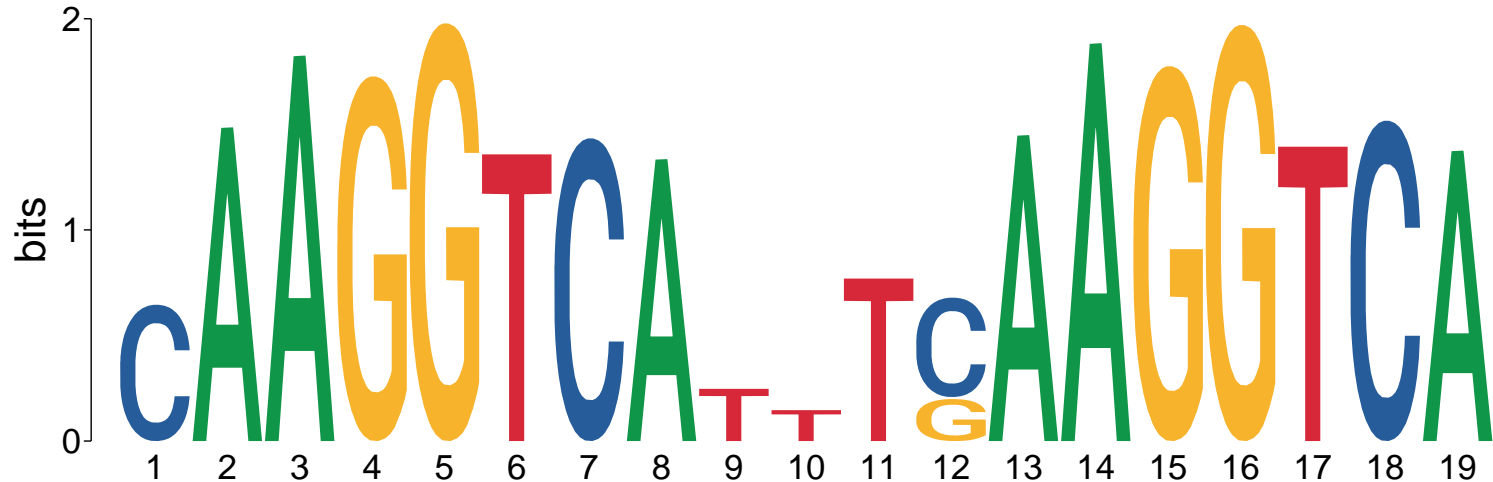




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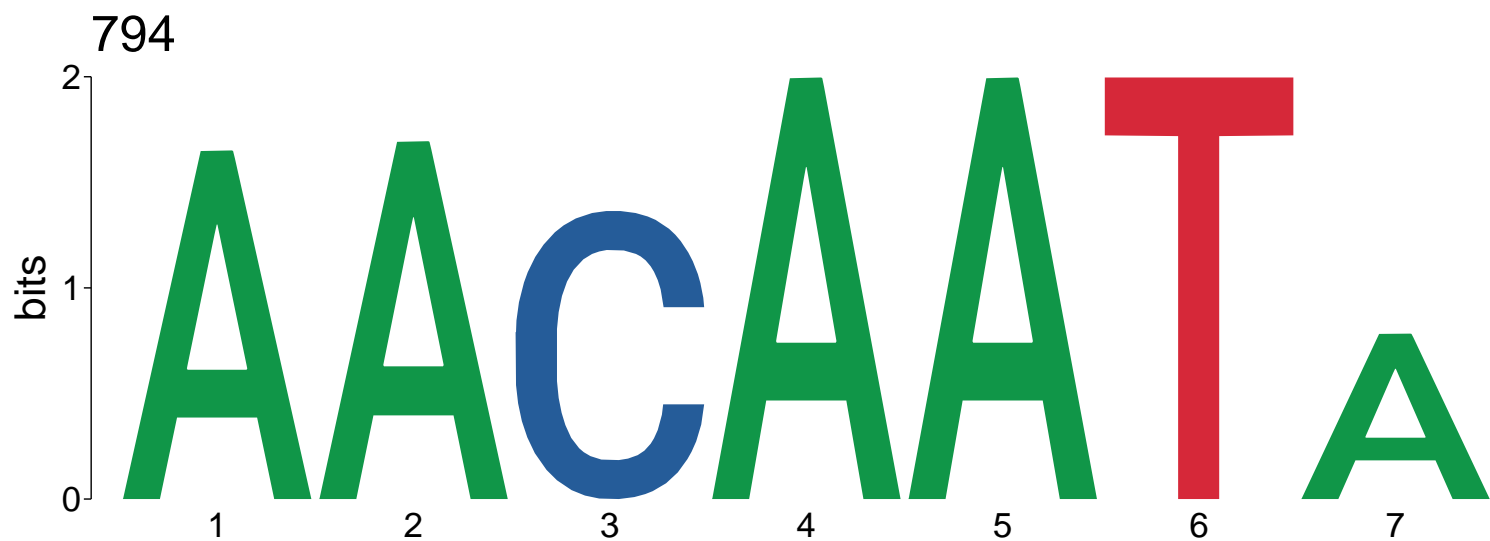
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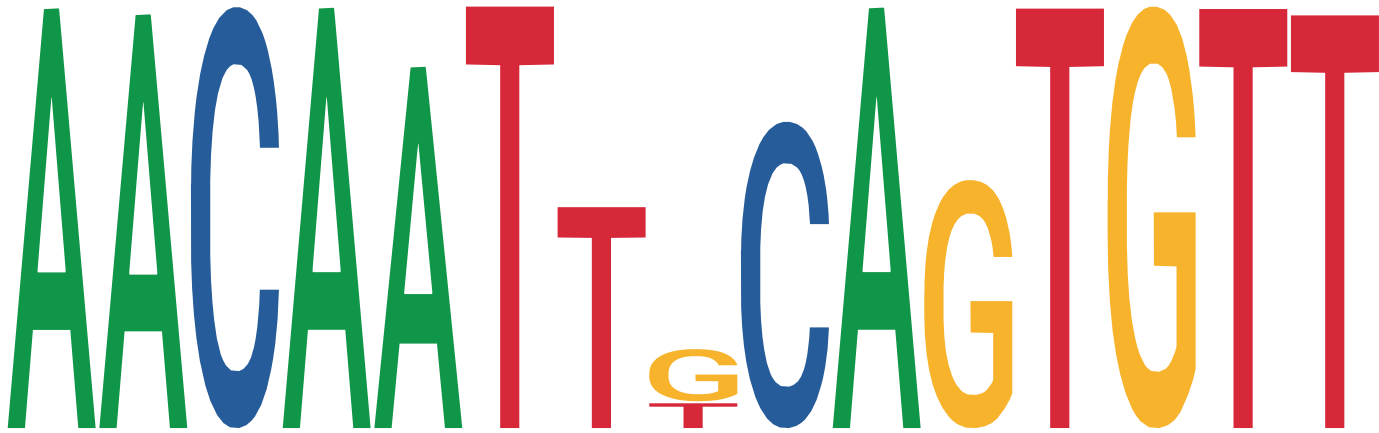
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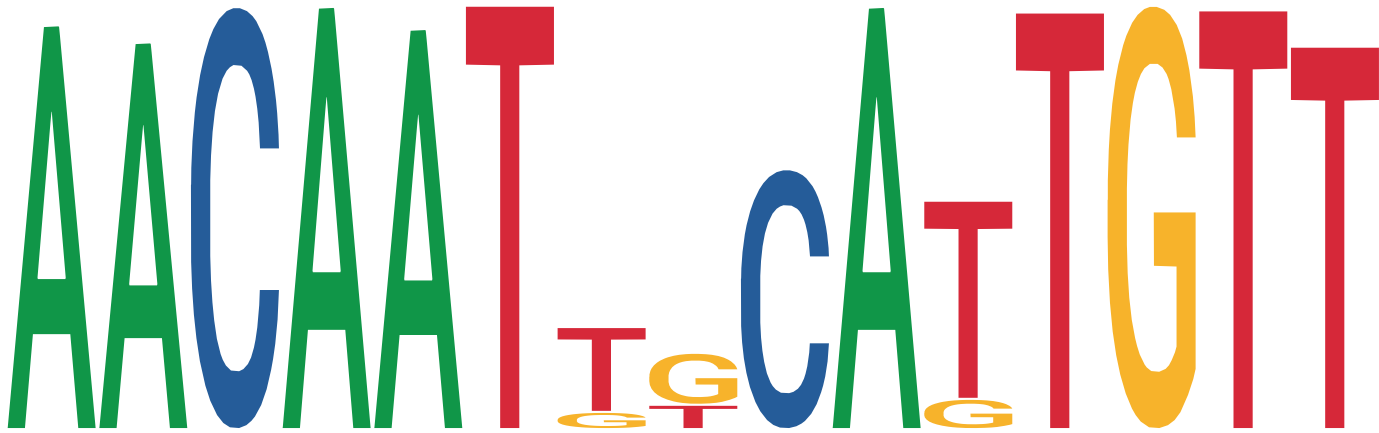
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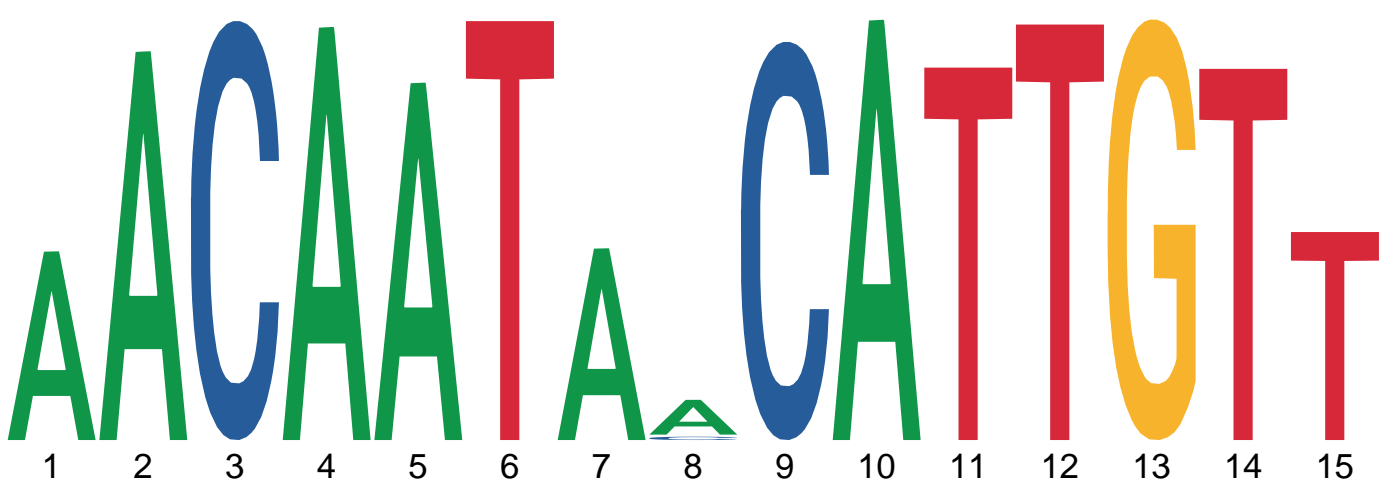
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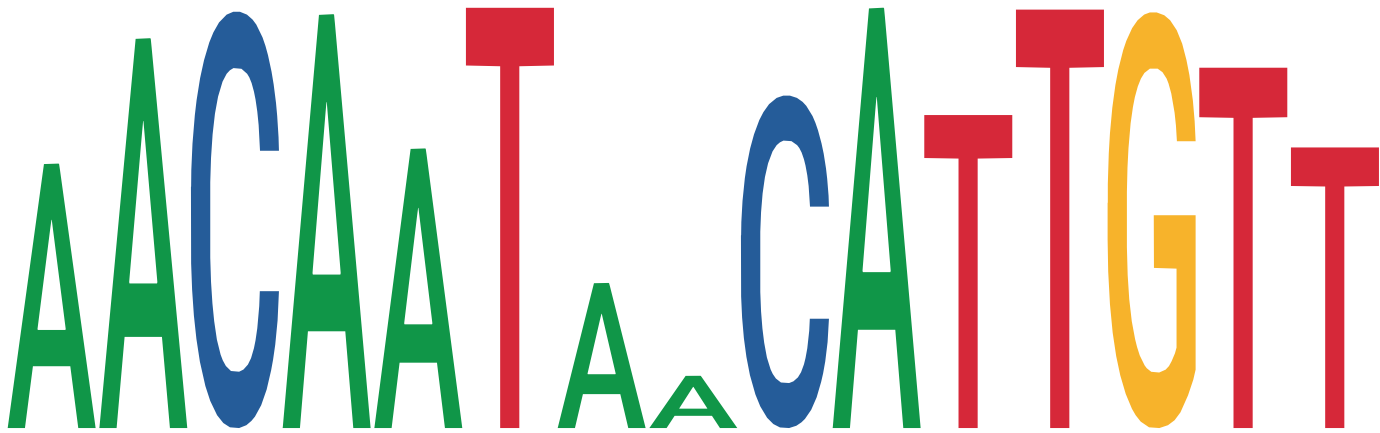
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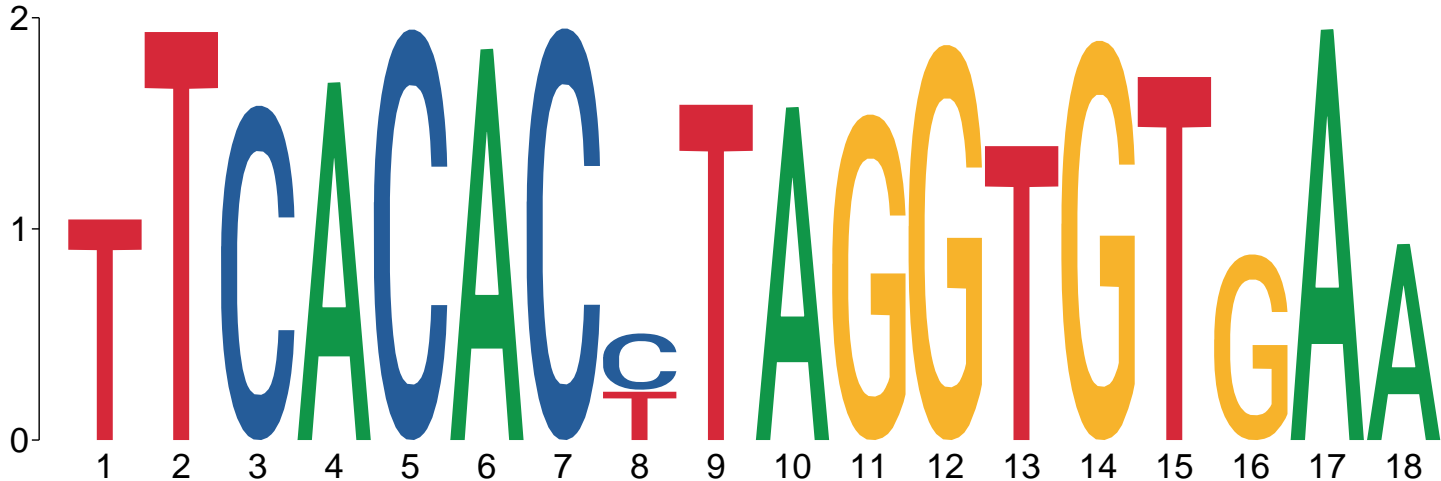


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