

This file contains meme motif search results for Loki Castle Viruses of Pithovirus group

Pithovirus sibericum (NC_023423.1), Cedratvirus A11 (NC_032108.1), and Orpheovirus (NC_036594.1) are included

The 'upstream' regions are from -250 to 30 nt related to the start codon; the regions shorter than 50 nt are filtered out

Meme search was set to 25 nt of motif width

Upstream region sequences and meme output files can be found at:
ftp://ftp.ncbi.nih.gov/pub/yutin/Loki_Castle_NCLDV_2018/meme_motif_search

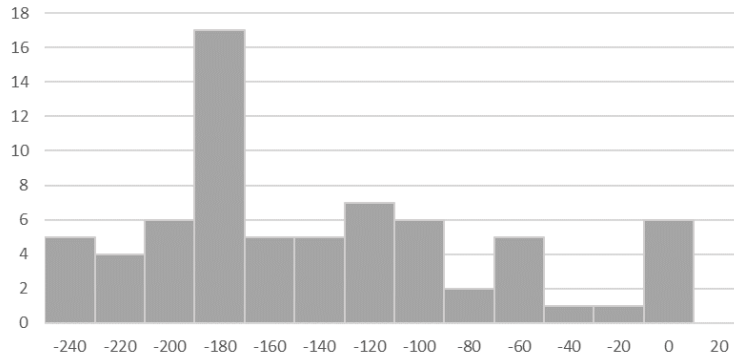
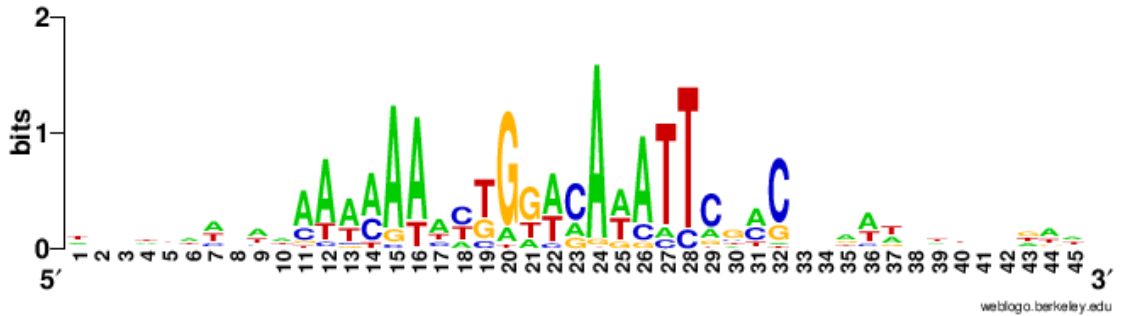
Conserved motifs AAA(T/A)TGA are marked with the 'sun' sign
Conserved AT-rich motifs are marked with the 'moon' sign

note: on all Logo images, the detected motif starts from position #11

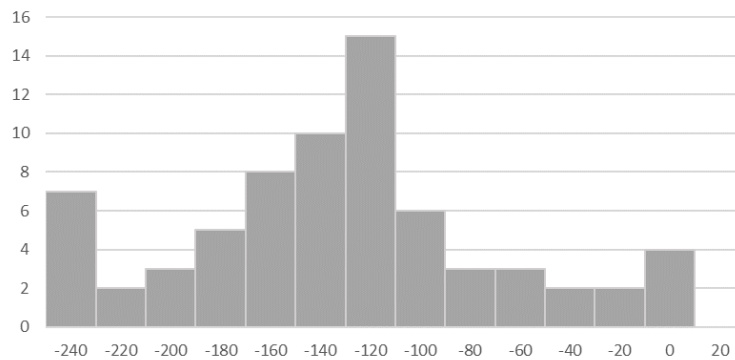
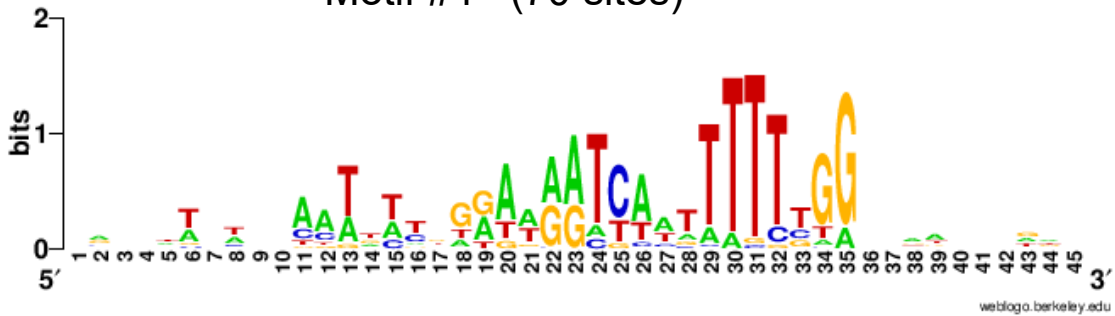
LCPAC201_202

654 fragments

Motif #3 (70 sites)



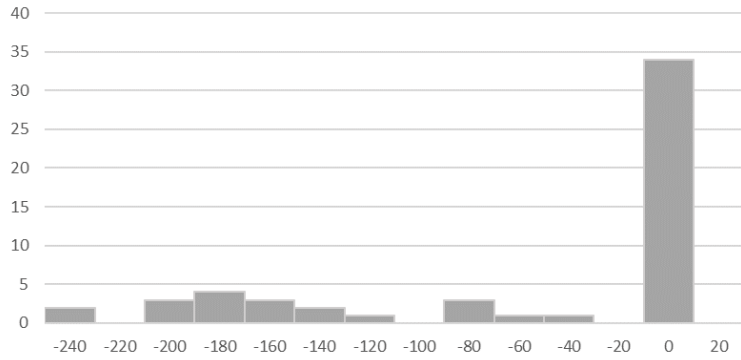
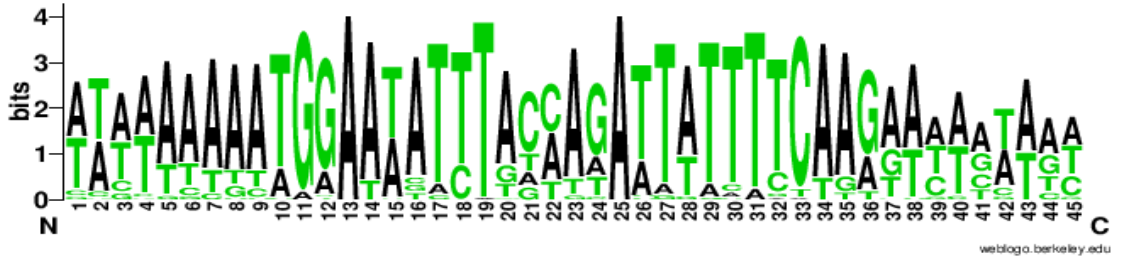
Motif #4 (70 sites)



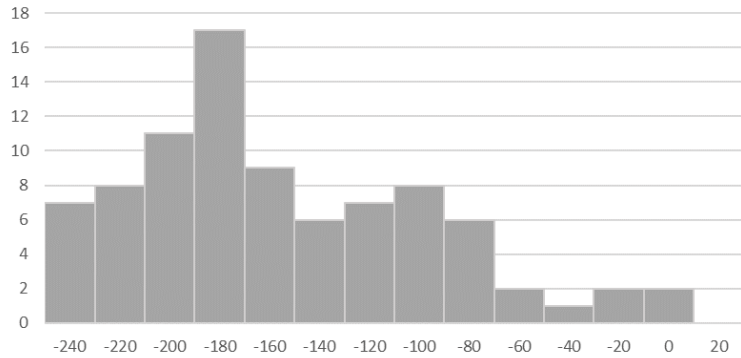
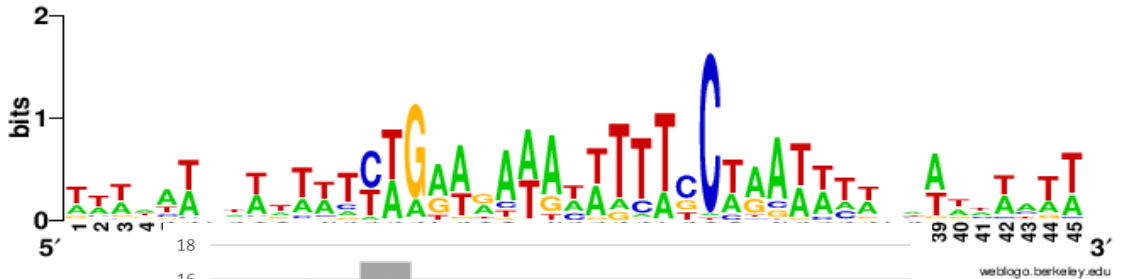
LCPAC104

763 fragments

Motif #1 (54 sites)



Motif #2 (86 sites)

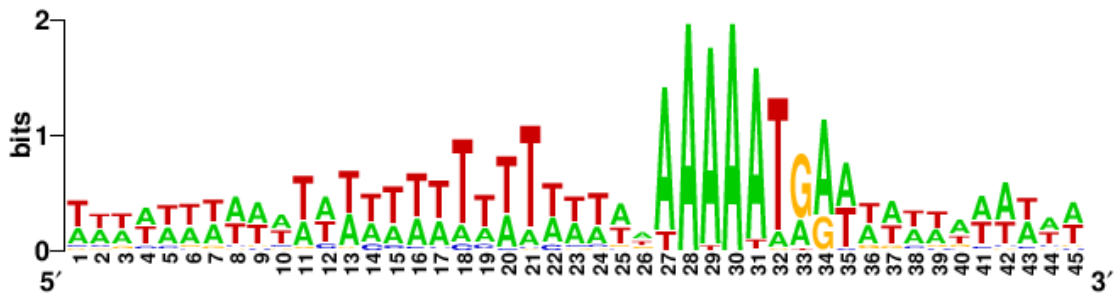


LCPAC104

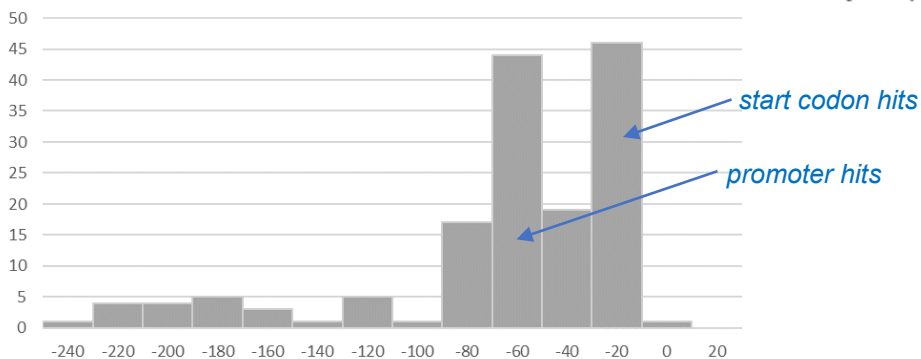
763 fragments



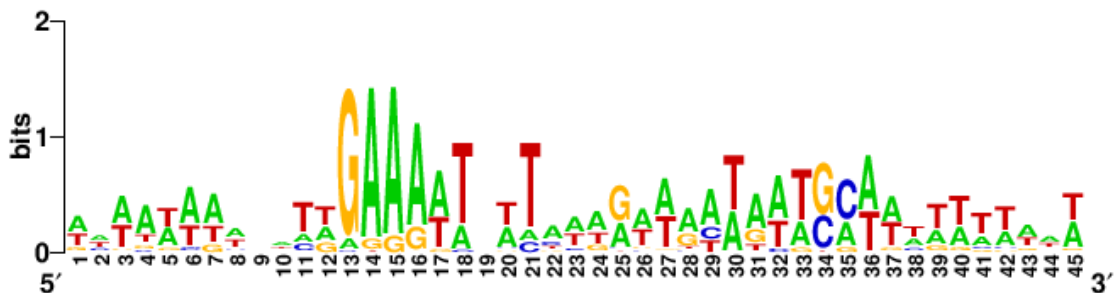
Motif #3 (151 sites)



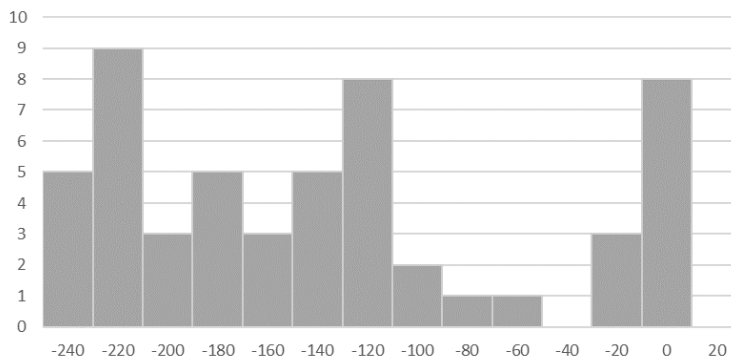
weblogo.berkeley.edu



Motif #7 (53 sites)



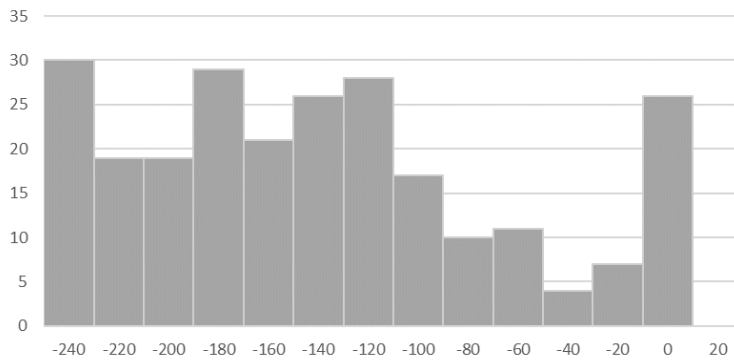
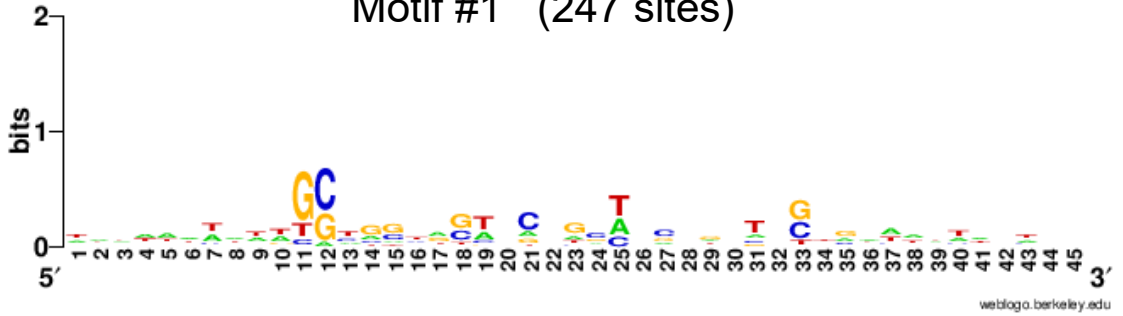
weblogo.berkeley.edu



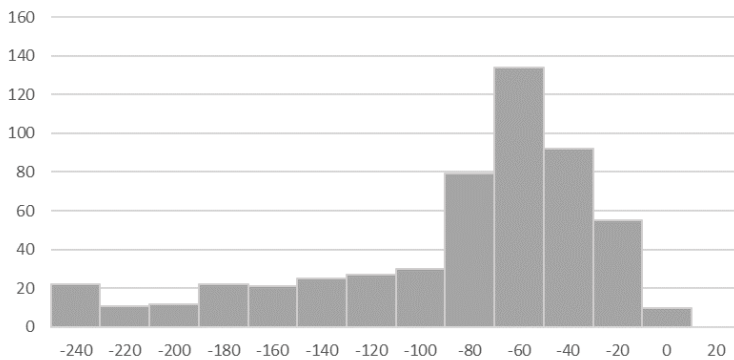
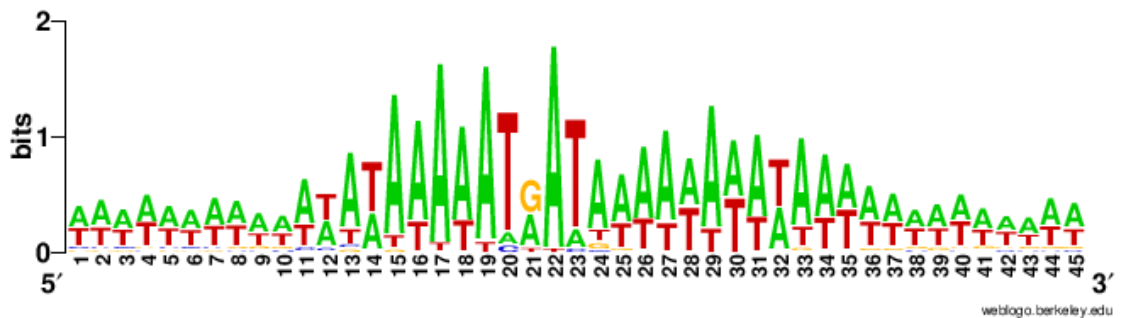
LCPAC101_102_103

763 fragments

Motif #1 (247 sites)

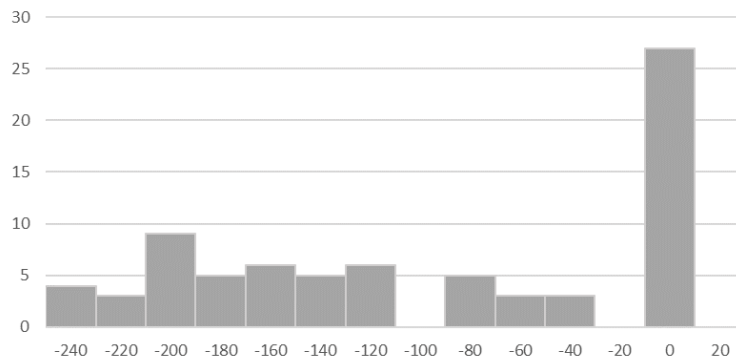
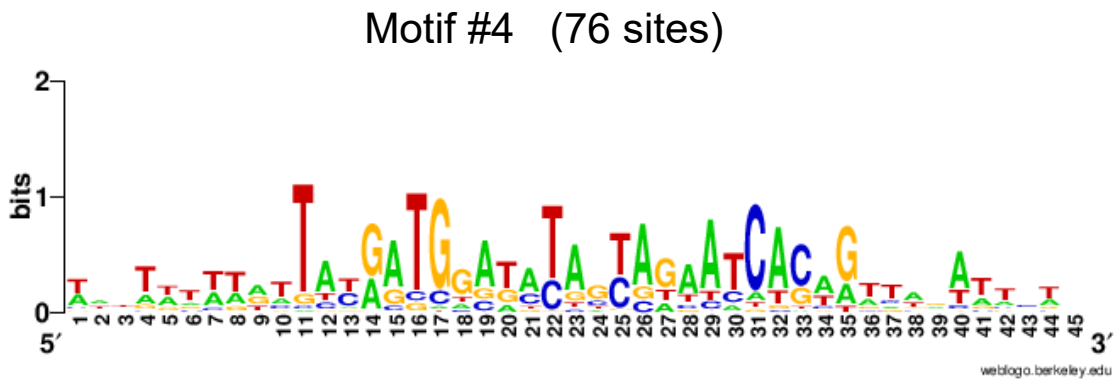
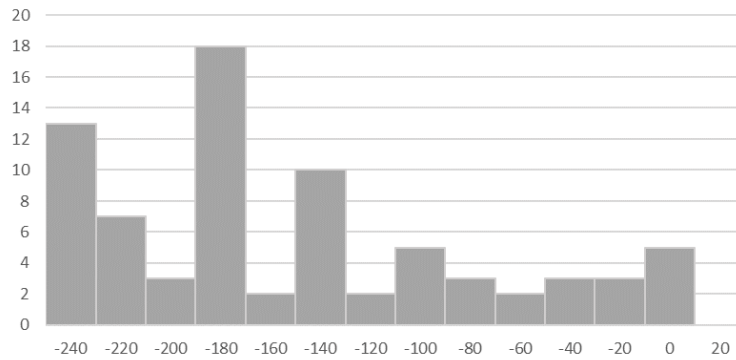
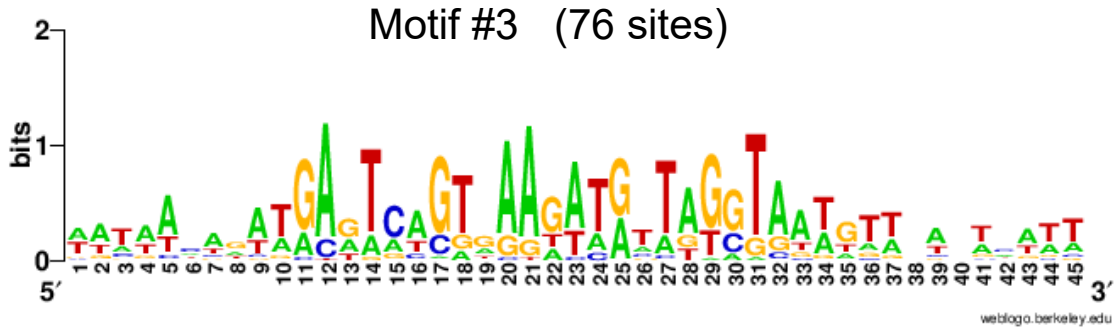


Motif #2 (540 sites)



LCPAC101_102_103

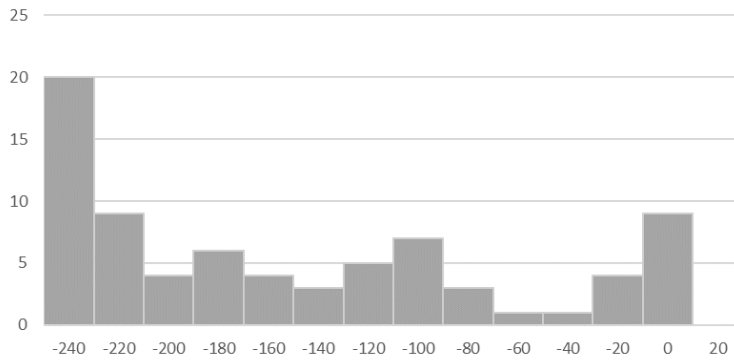
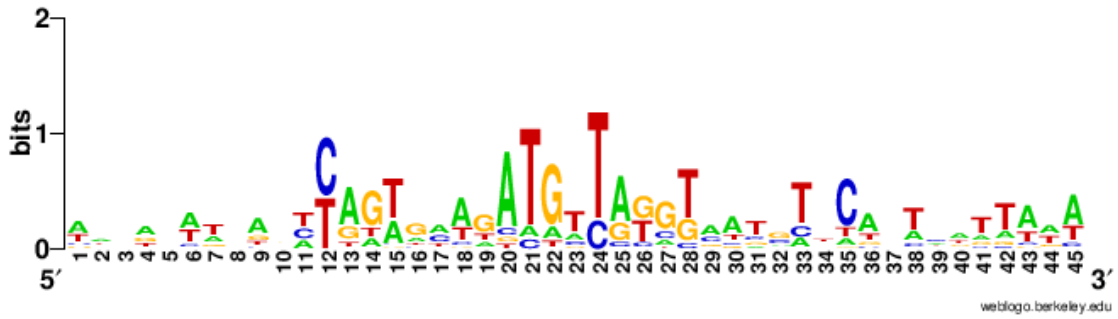
763 fragments



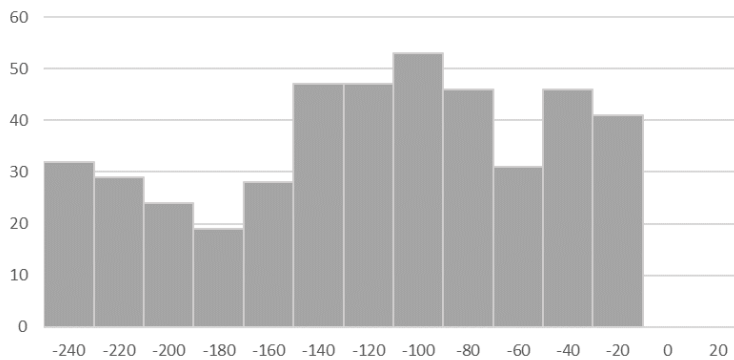
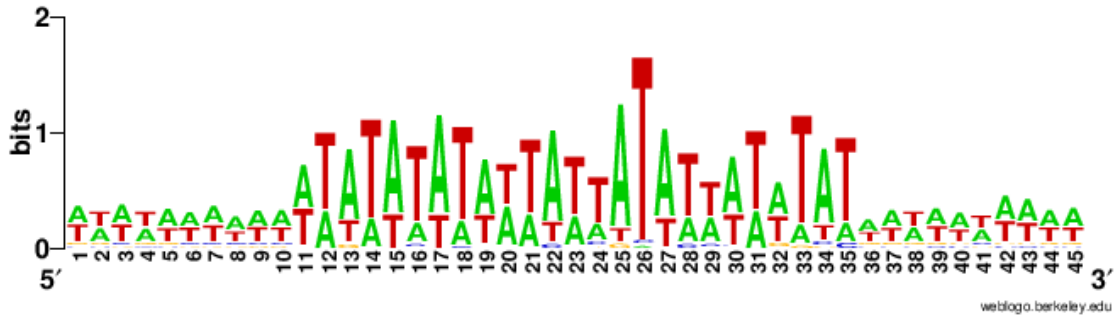
LCPAC101_102_103

763 fragments

Motif #5 (76 sites)



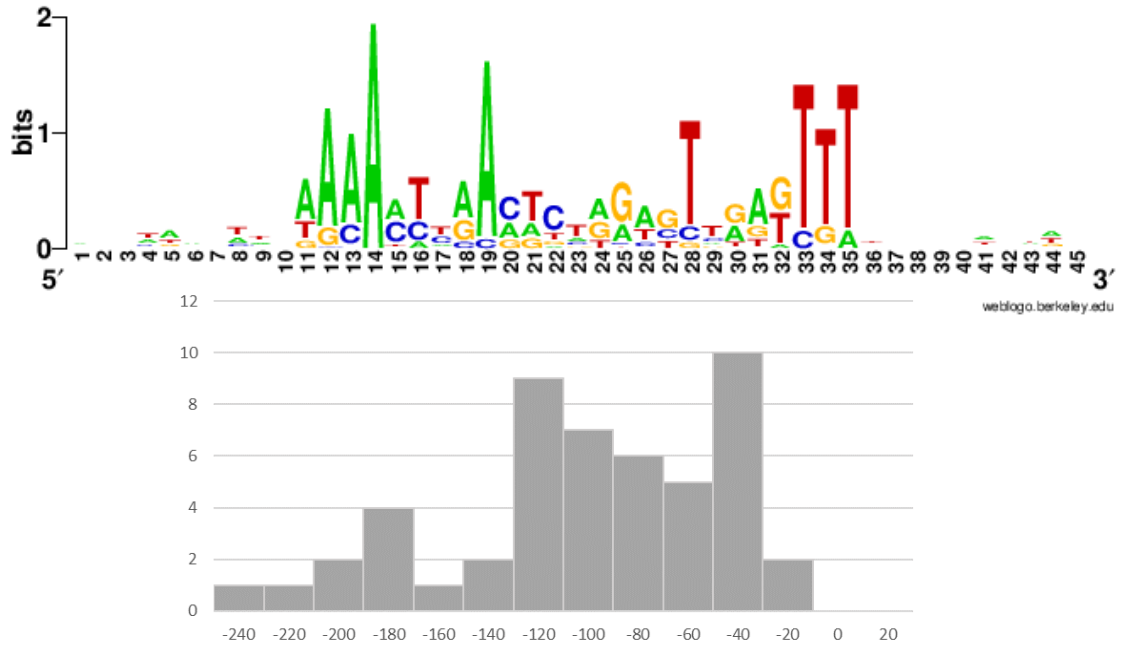
Motif #6 (443 sites)



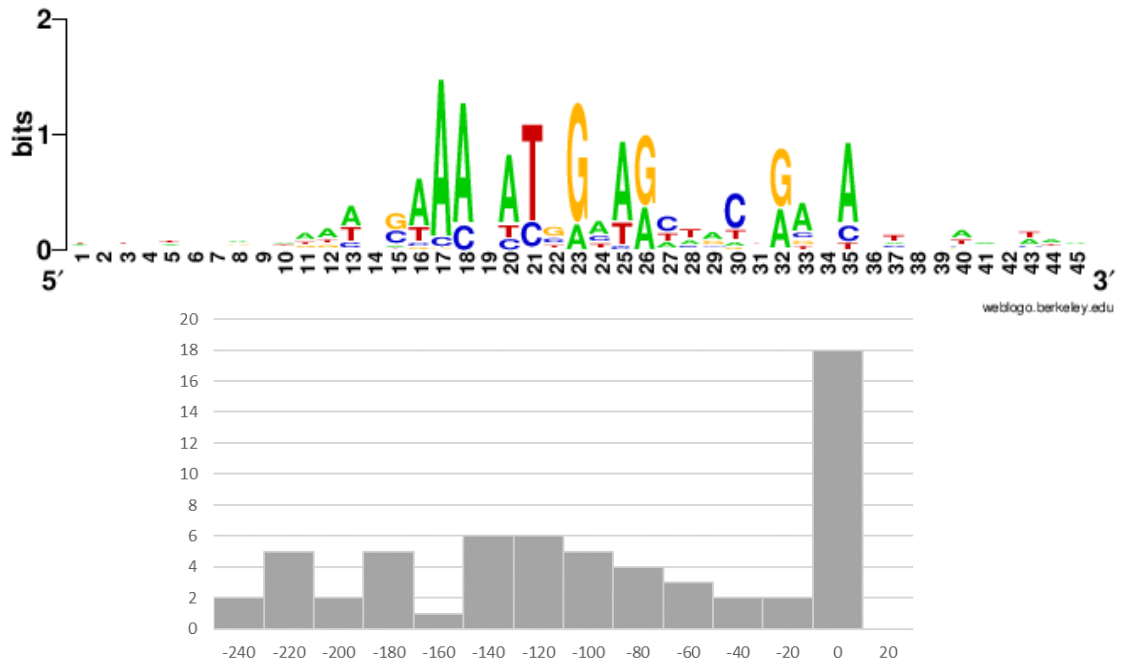
LCPAC103

177 fragments

Motif #1 (50 sites)



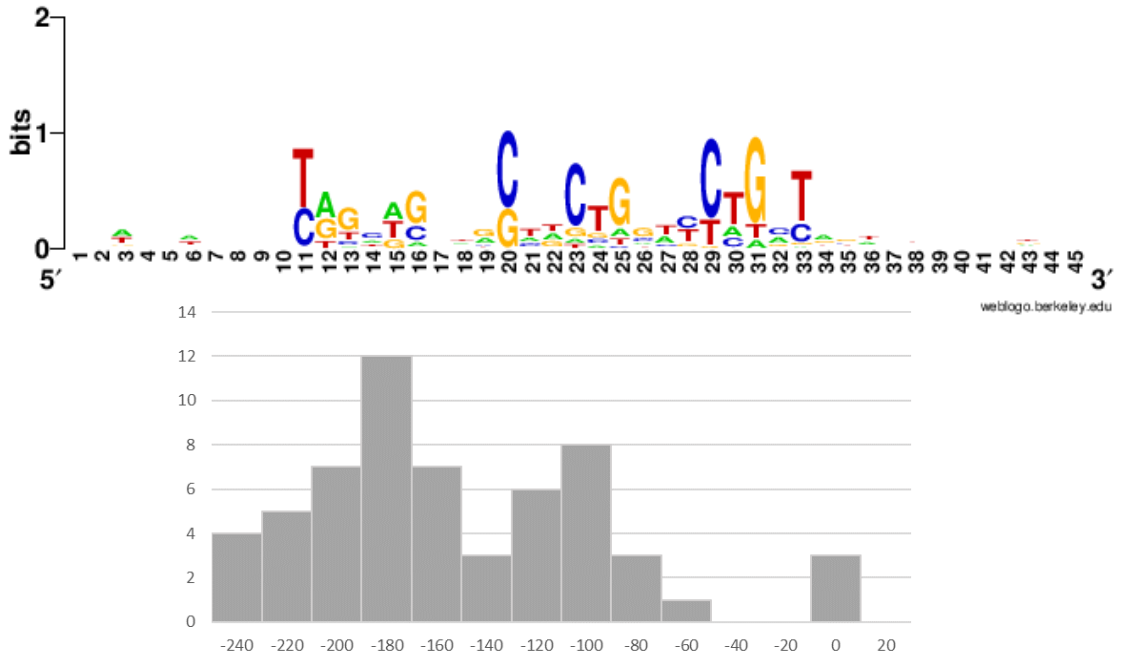
Motif #2 (61 sites)



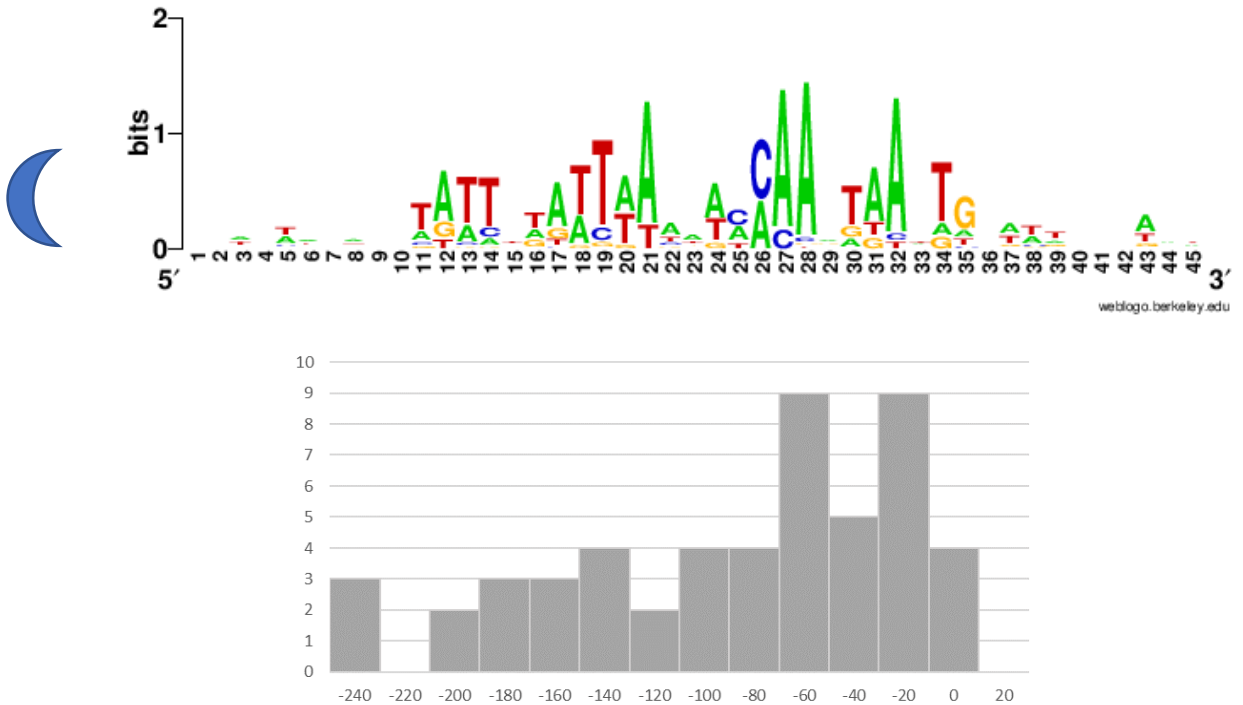
LCPAC103

177 fragments

Motif #3 (59 sites)



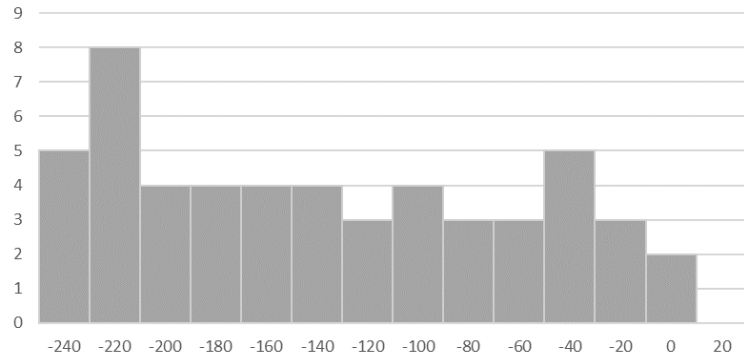
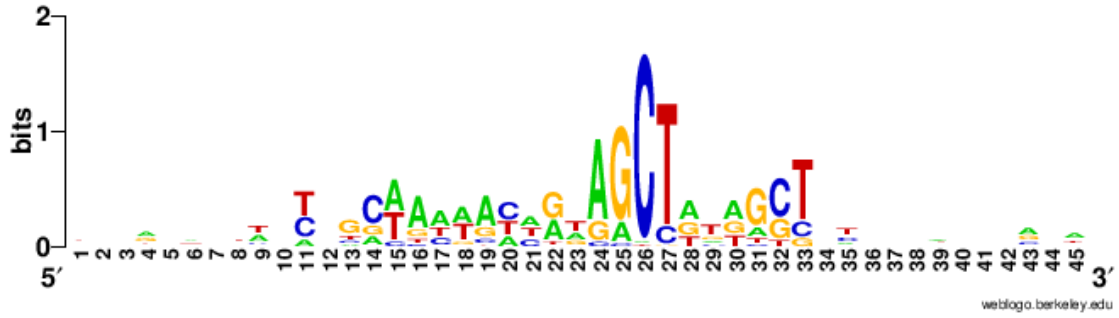
Motif #4 (62 sites)



LCPAC103

177 fragments

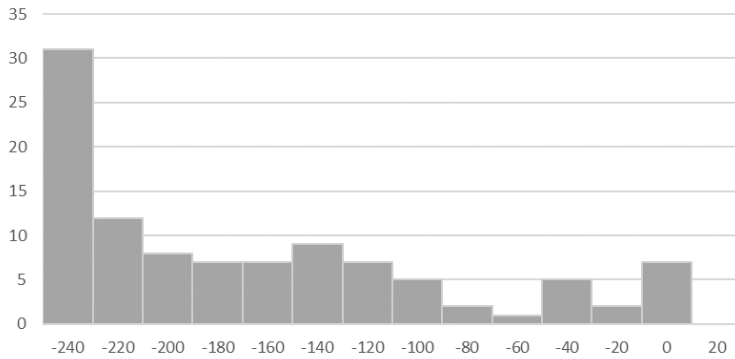
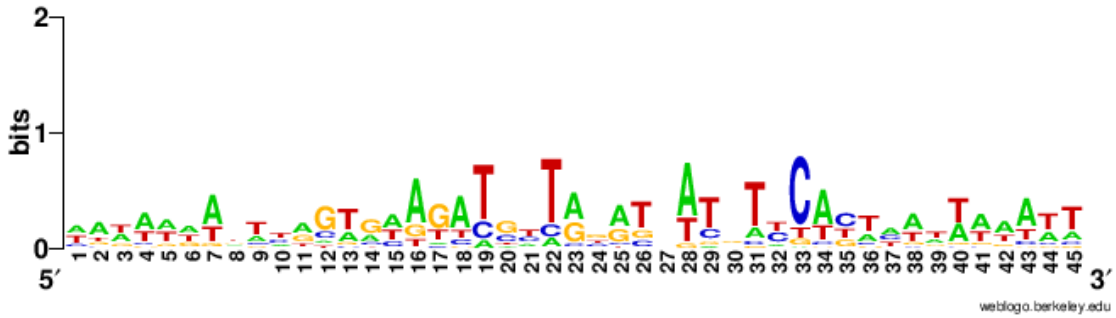
Motif #5 (52 sites)



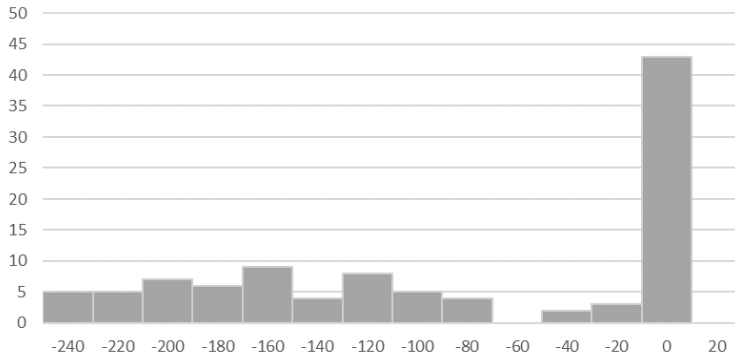
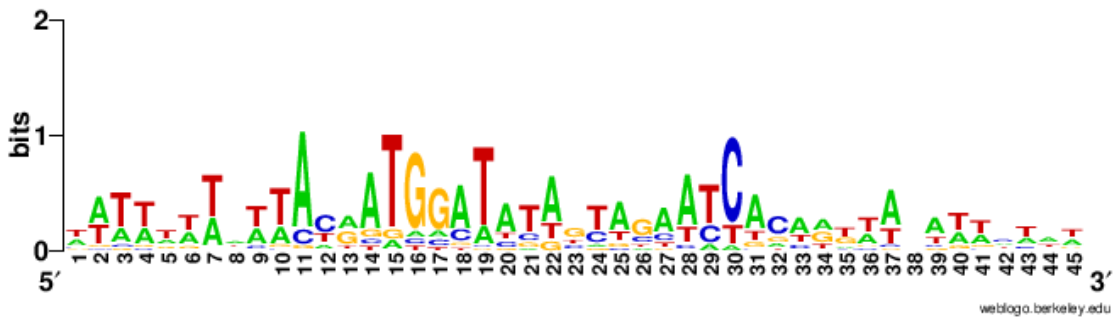
LCPAC101_102

586 fragments

Motif #3 (103 sites)



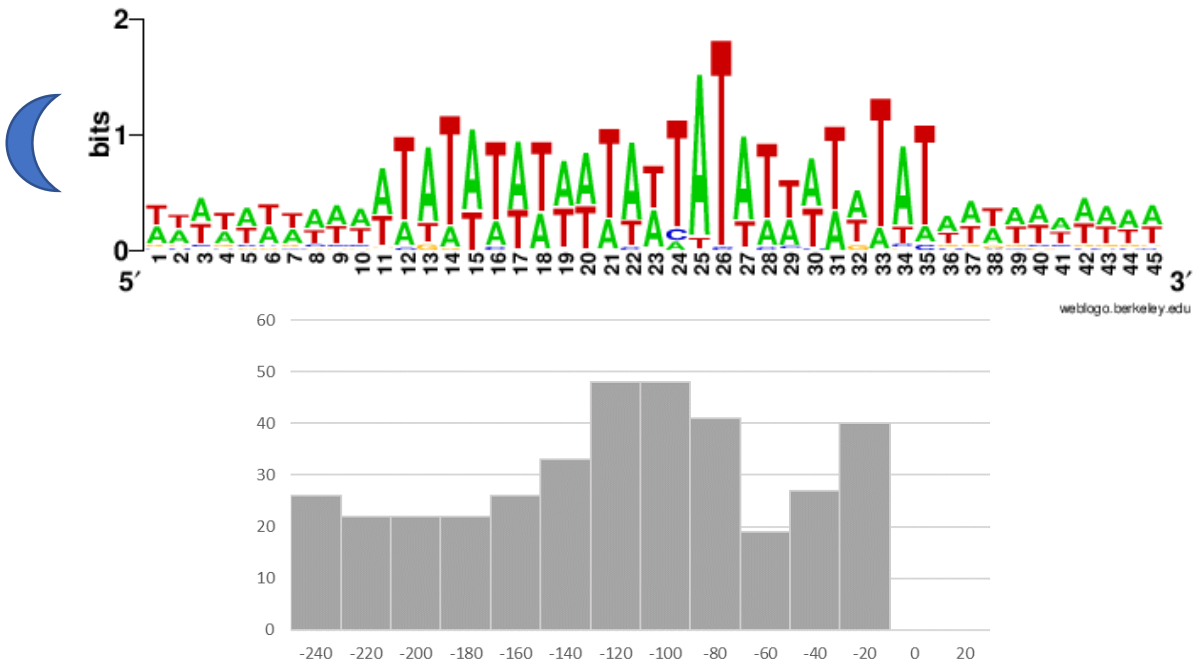
Motif #4 (101 sites)



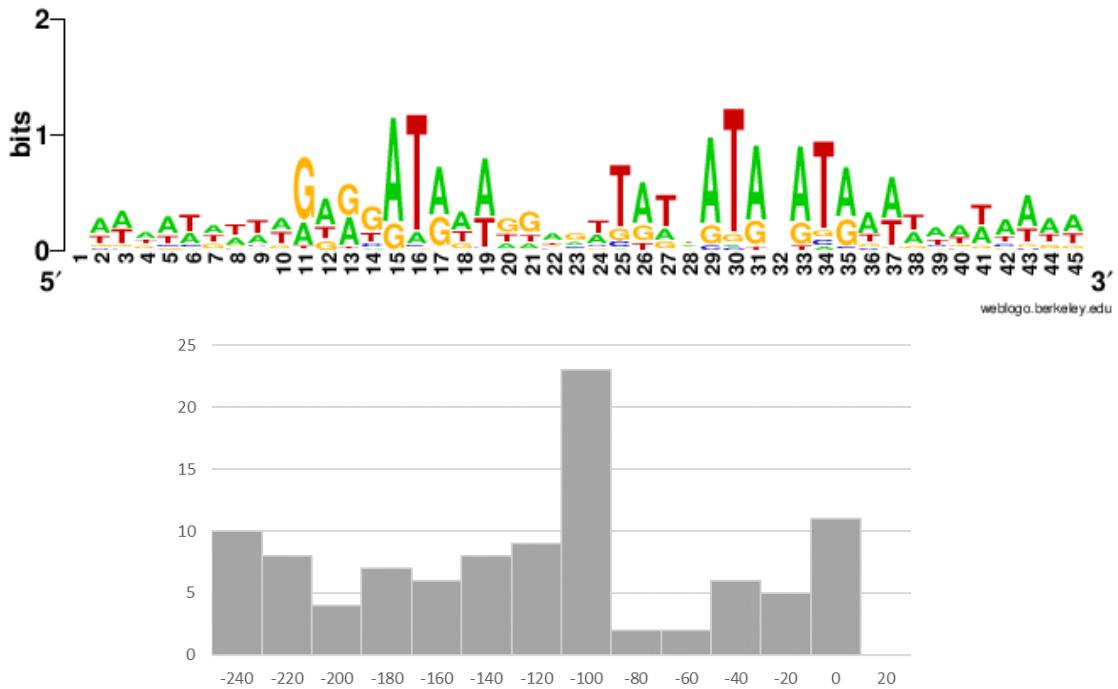
LCPAC101_102

586 fragments

Motif #5 (374 sites)



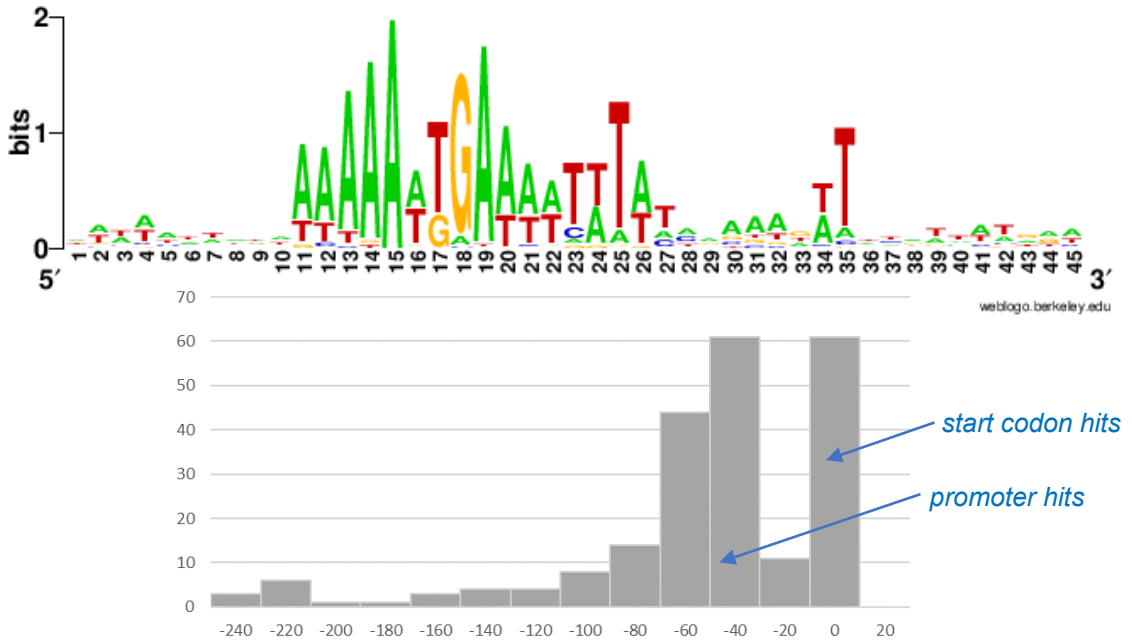
Motif #9 (101 sites)



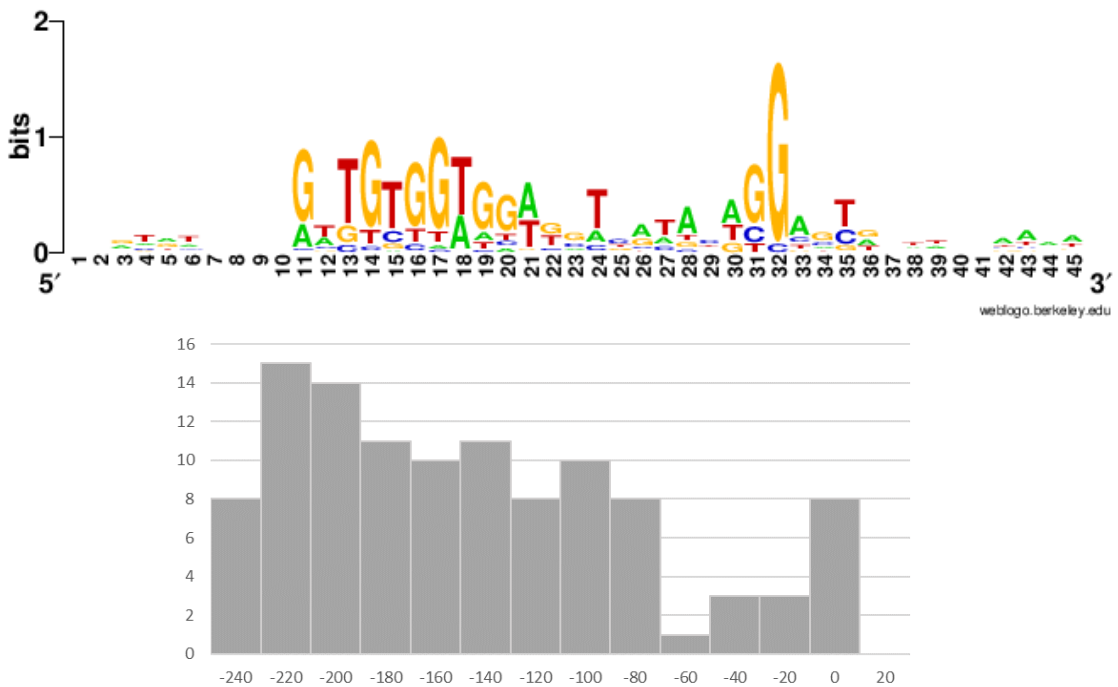
LCPAC302_304

949 fragments

Motif #1 (211 sites)



Motif #2 (110 sites)

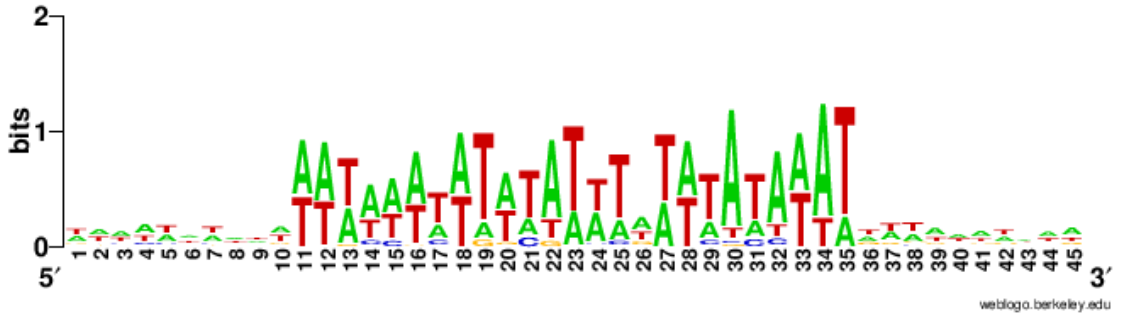


LCPAC302_304

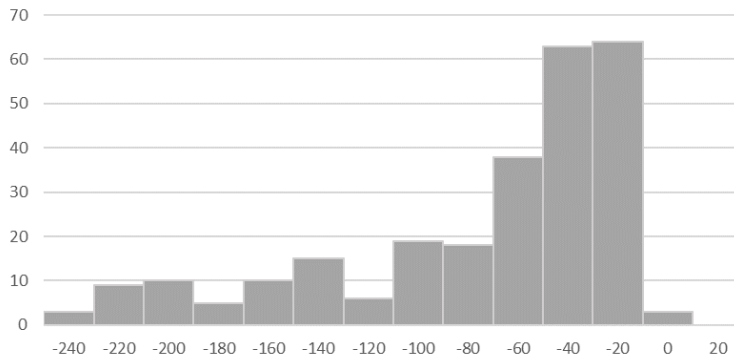
949 fragments



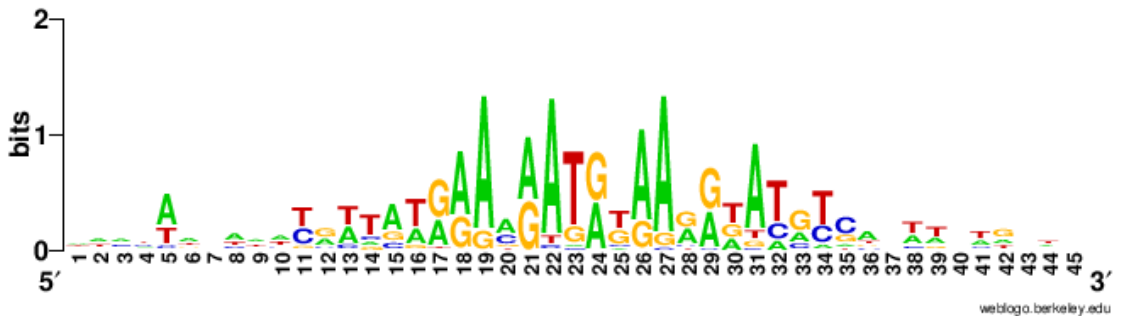
Motif #3 (263 sites)



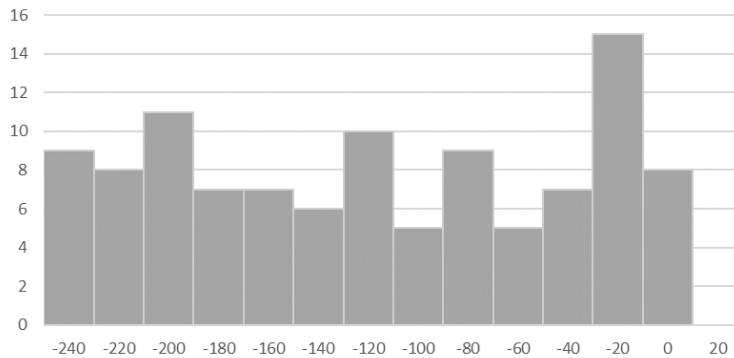
weblogo.berkeley.edu



Motif #4 (107 sites)



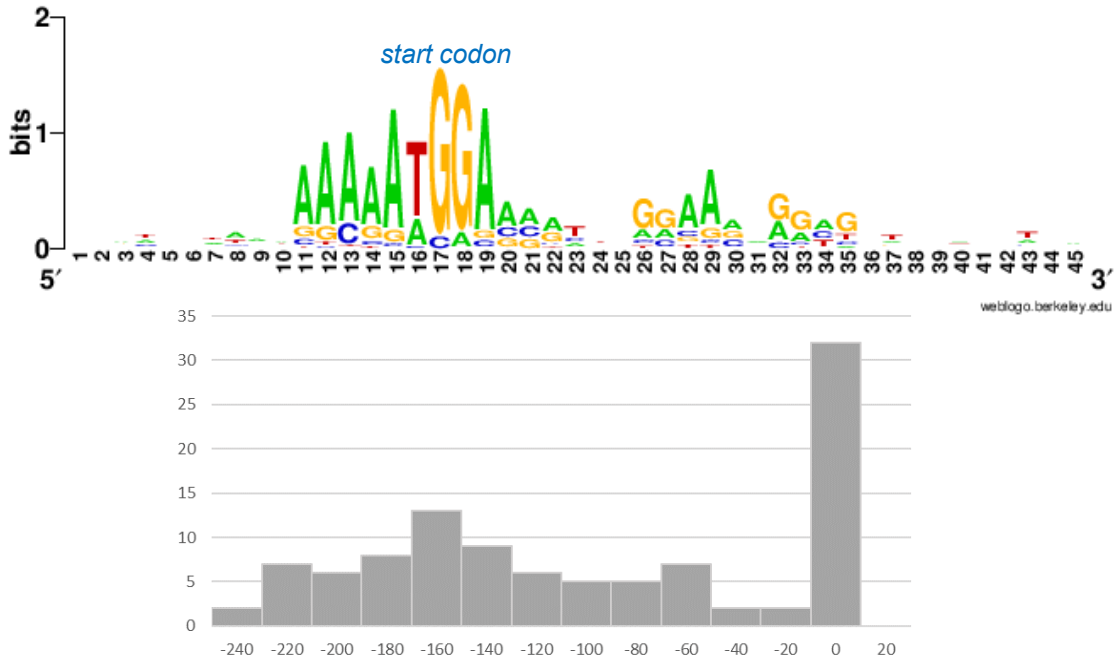
weblogo.berkeley.edu



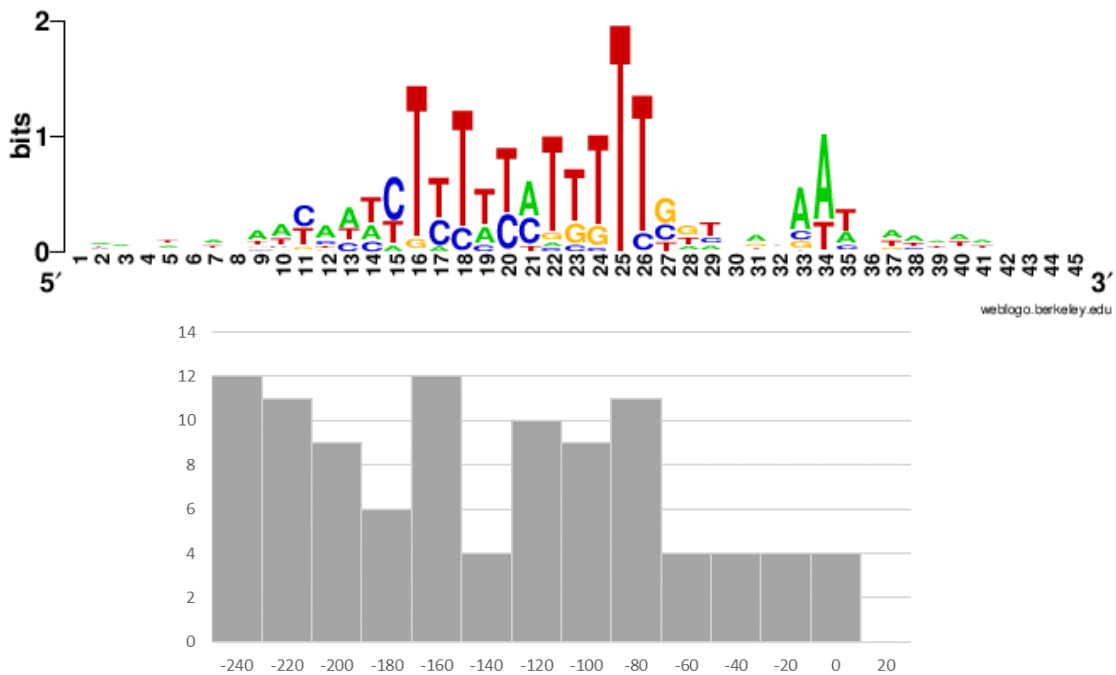
LCPAC302_304

949 fragments

Motif #5 (104 sites)



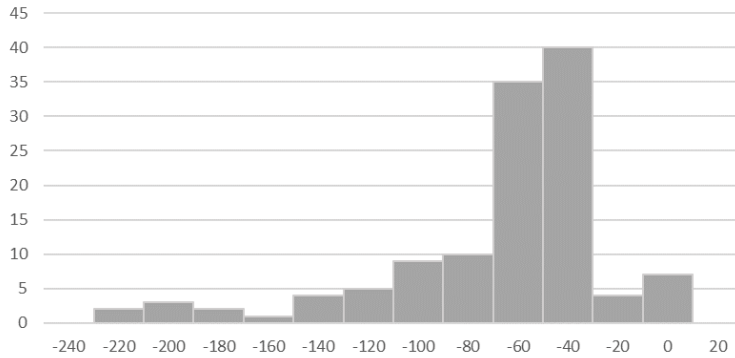
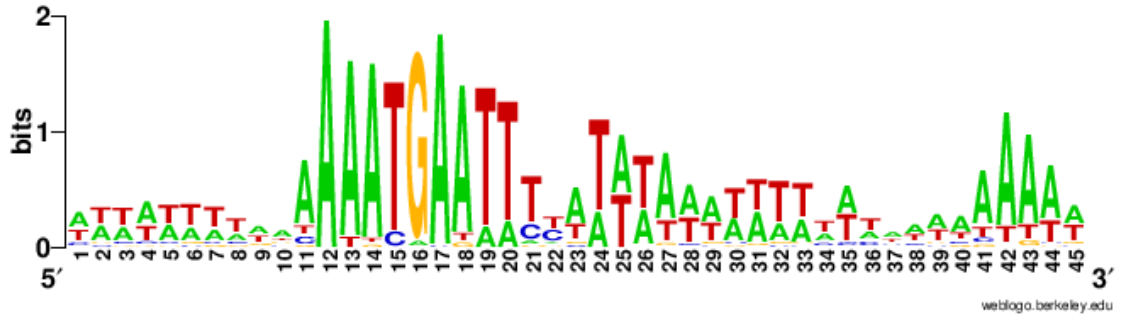
Motif #6 (100 sites)



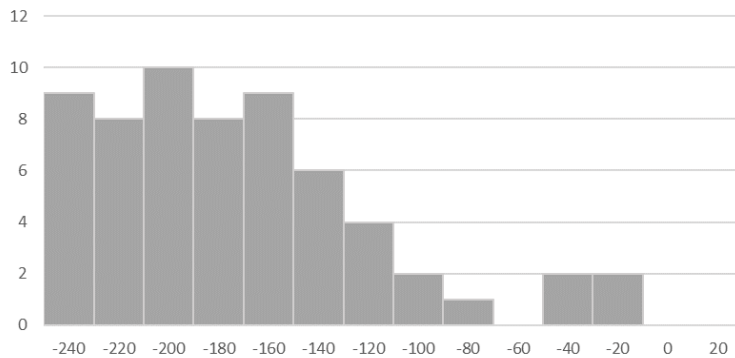
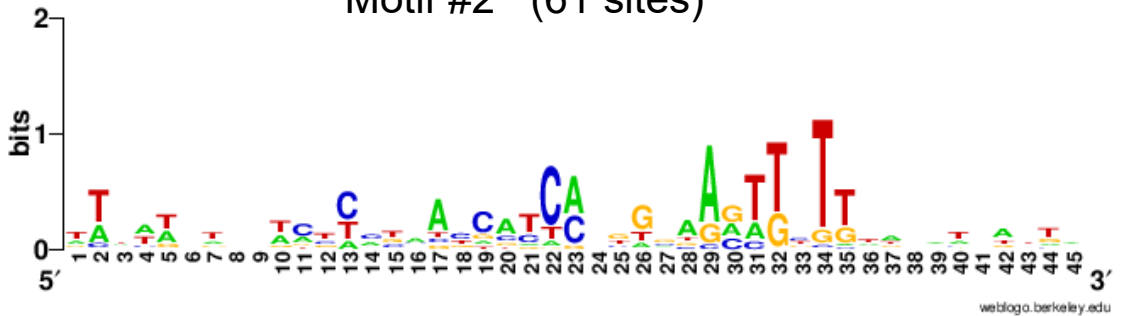
LCPAC001

220 fragments

Motif #1 (122 sites)

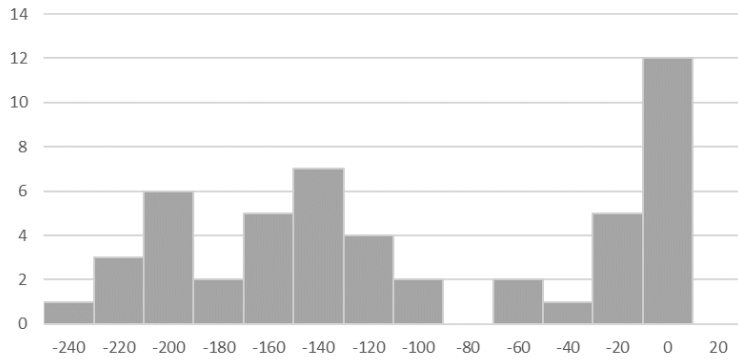
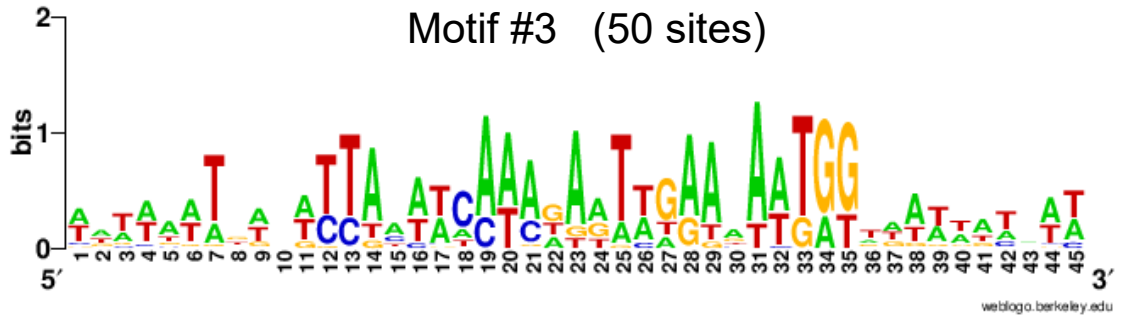


Motif #2 (61 sites)

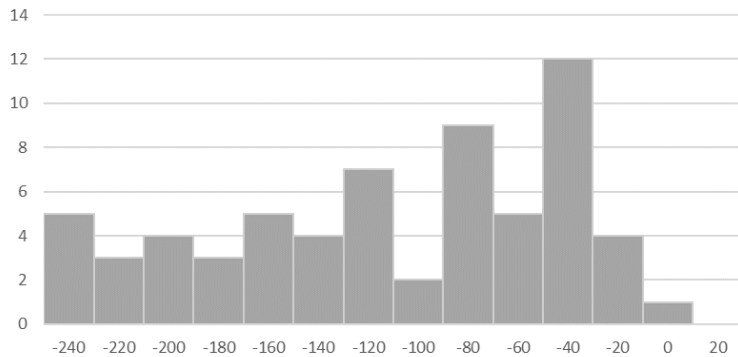
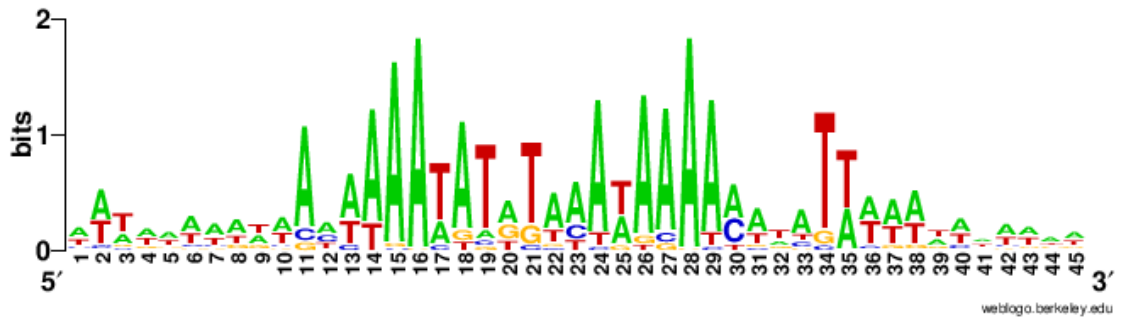


LCPAC001

220 fragments



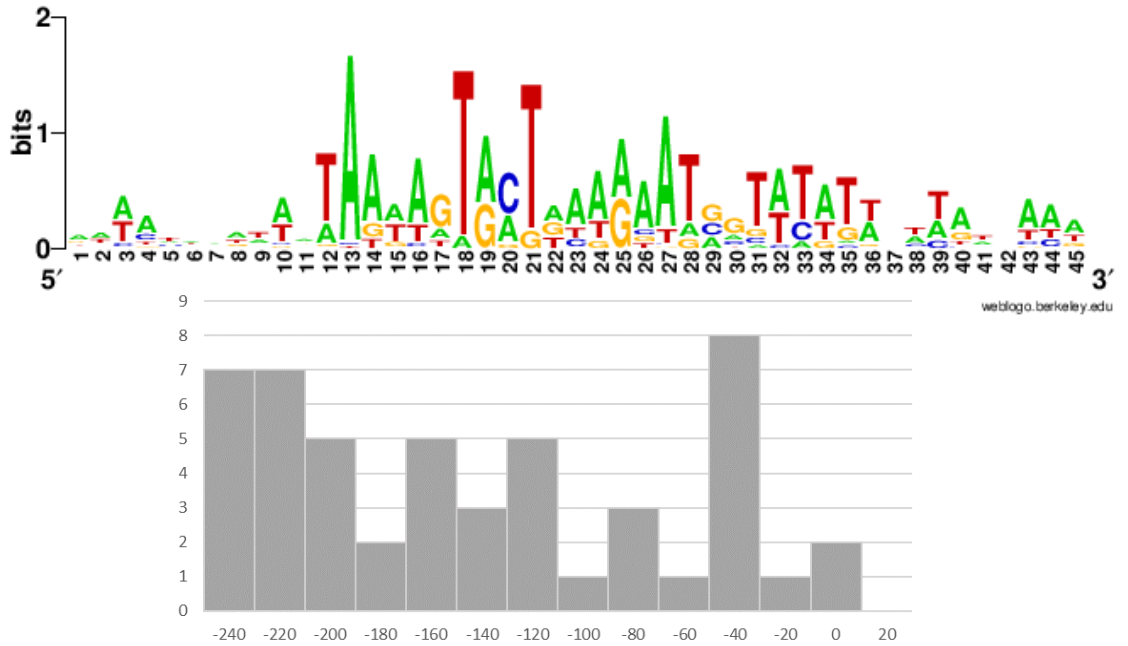
Motif #4 (64 sites)



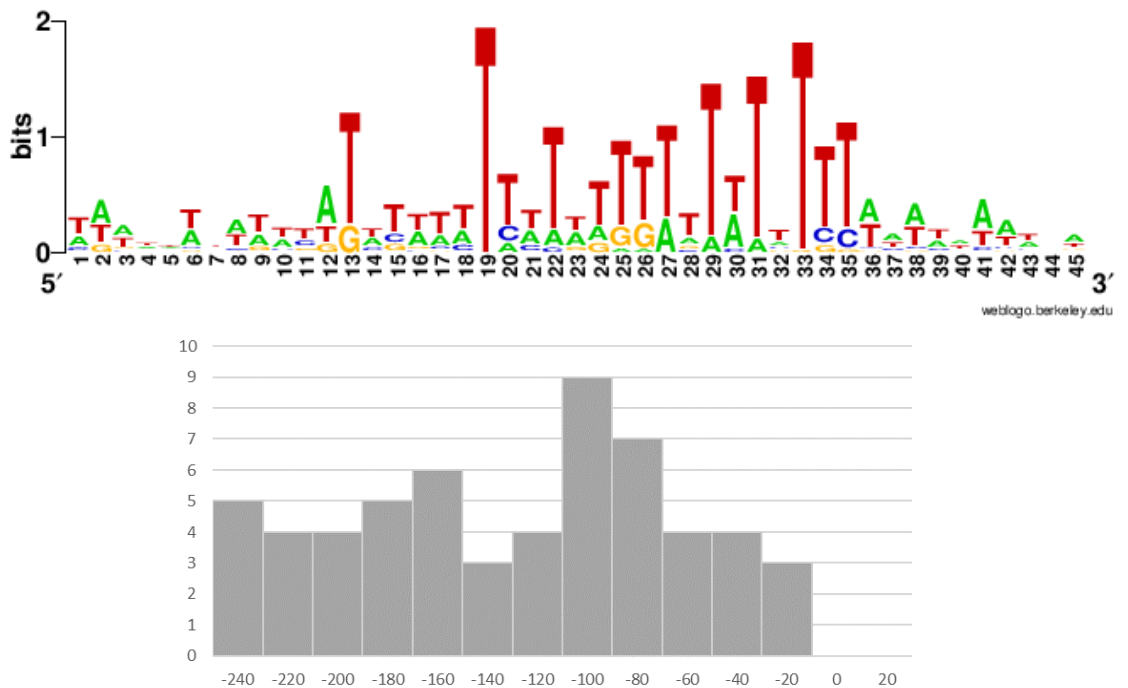
LCPAC001

220 fragments

Motif #5 (50 sites)



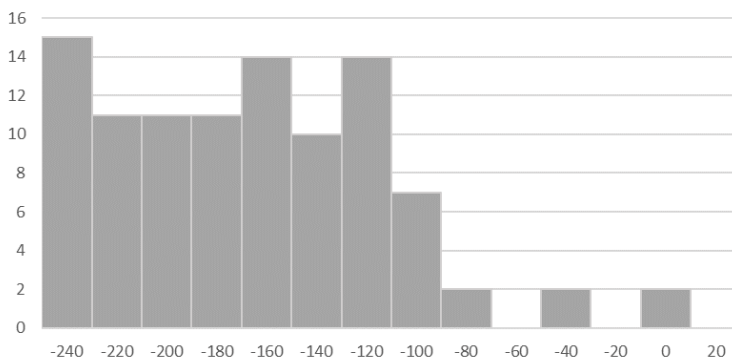
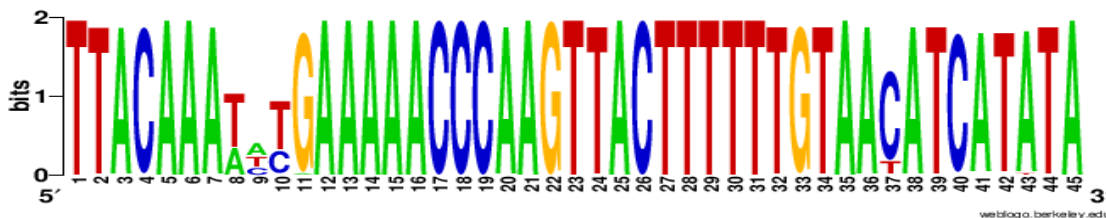
Motif #7 (58 sites)



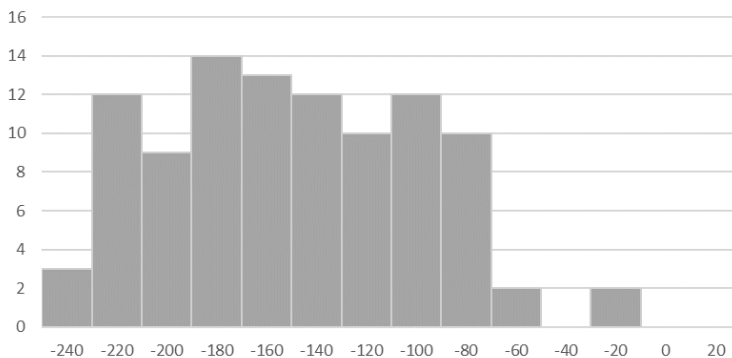
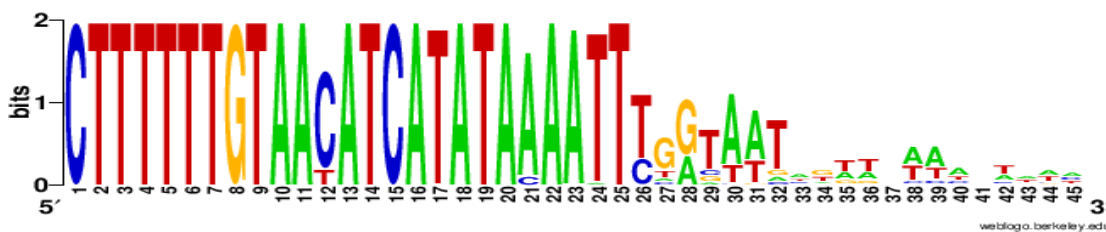
Pithovirus sibericum

467 fragments

Motif #1 (99 sites)



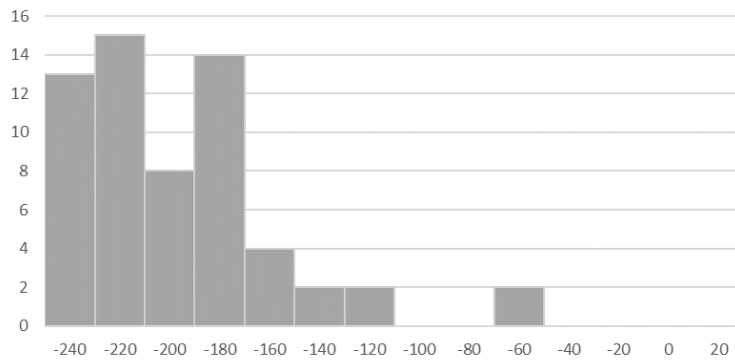
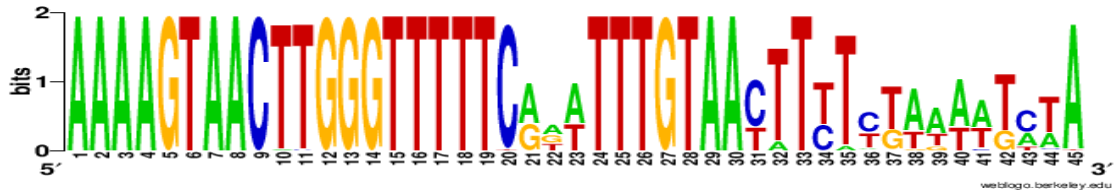
Motif #2 (99 sites)



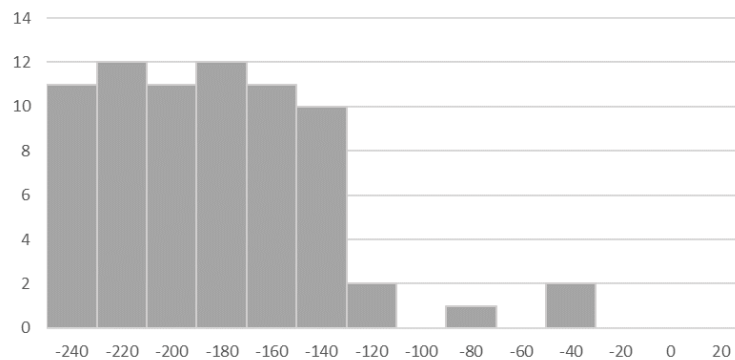
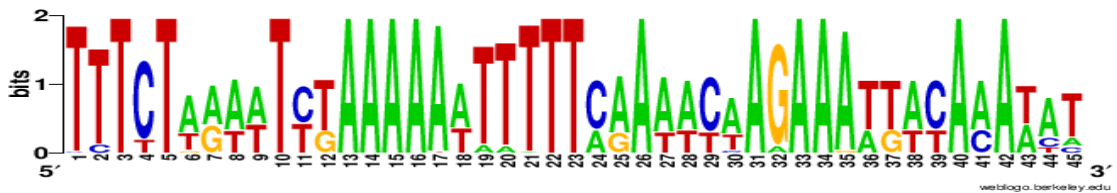
Pithovirus sibericum

467 fragments

Motif #3 (60 sites)



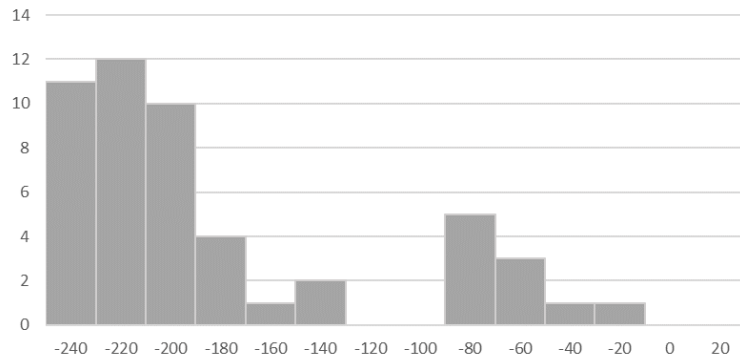
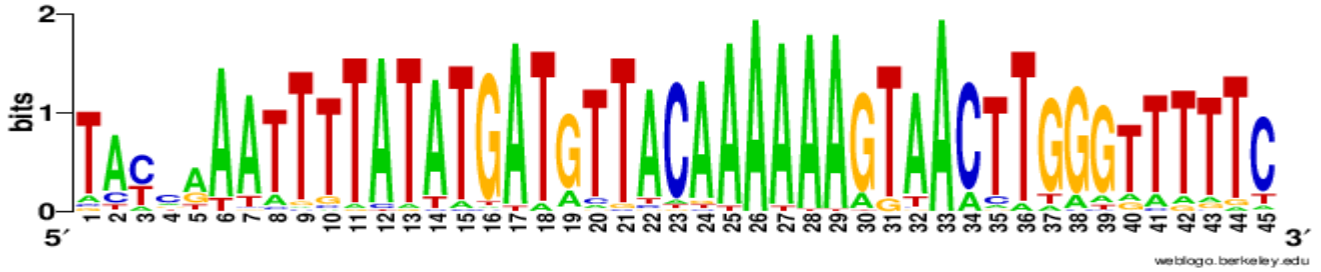
Motif #4 (72 sites)



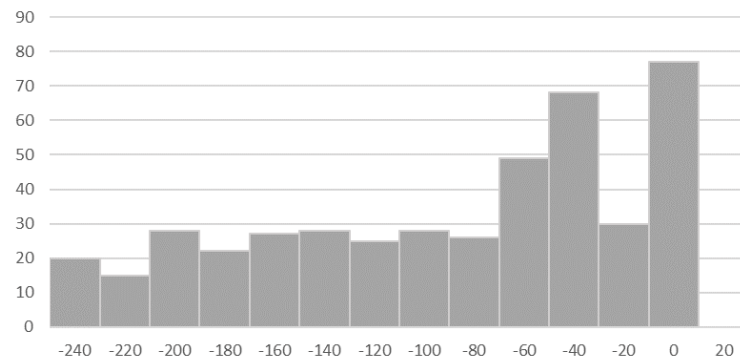
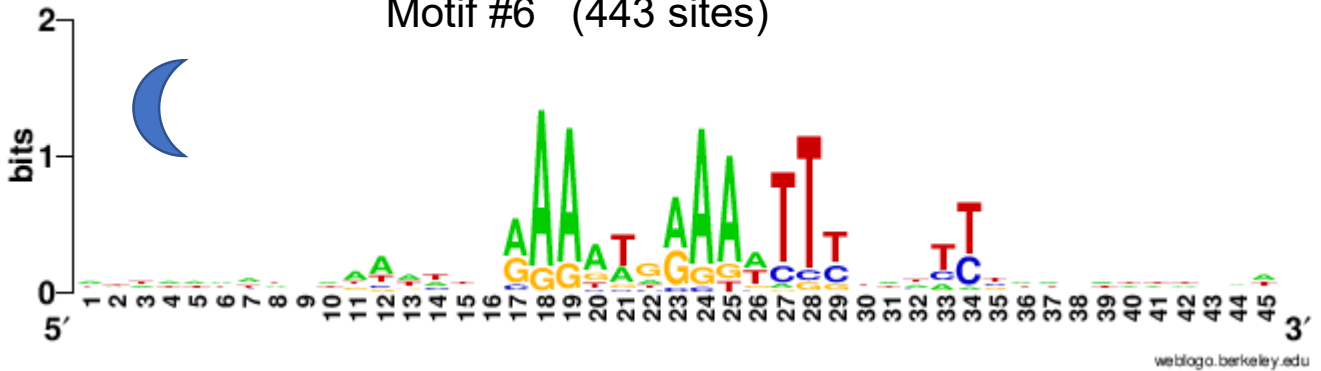
Pithovirus sibericum

467 fragments

Motif #5 (50 sites)



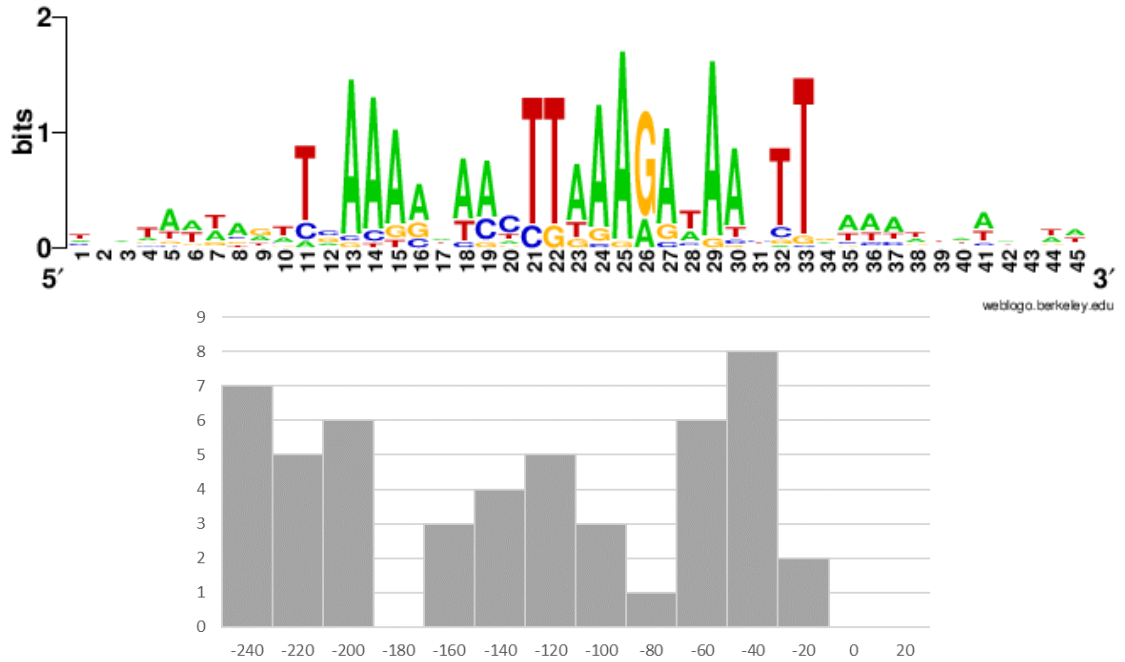
Motif #6 (443 sites)



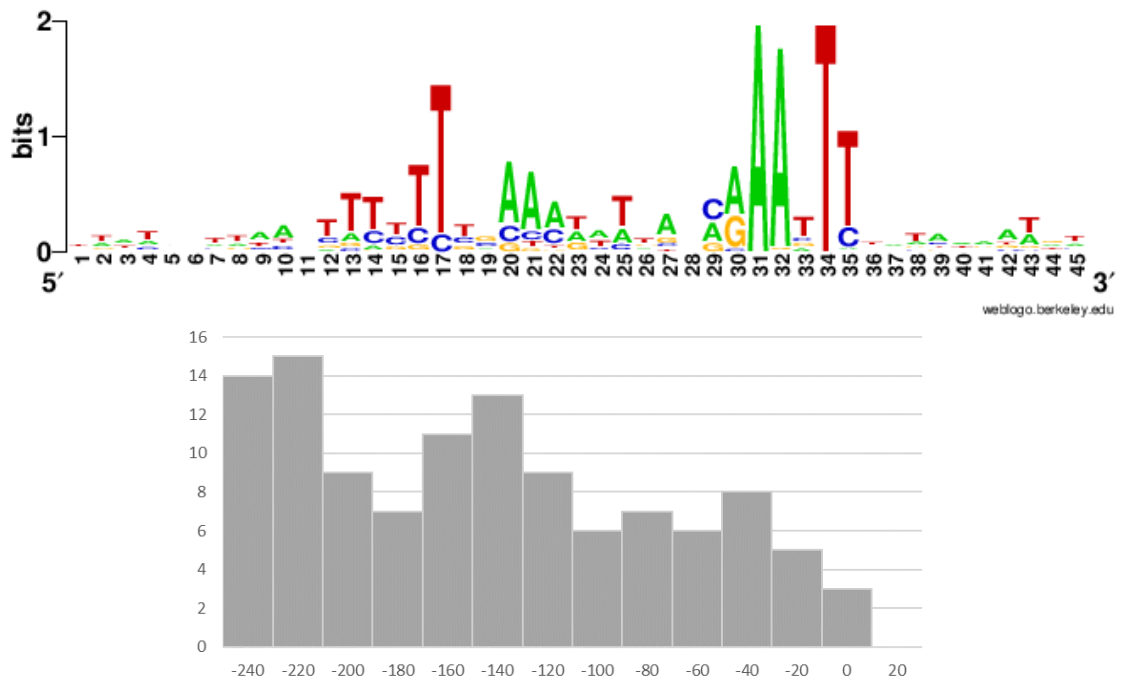
Pithovirus sibericum

467 fragments

Motif #7 (50 sites)



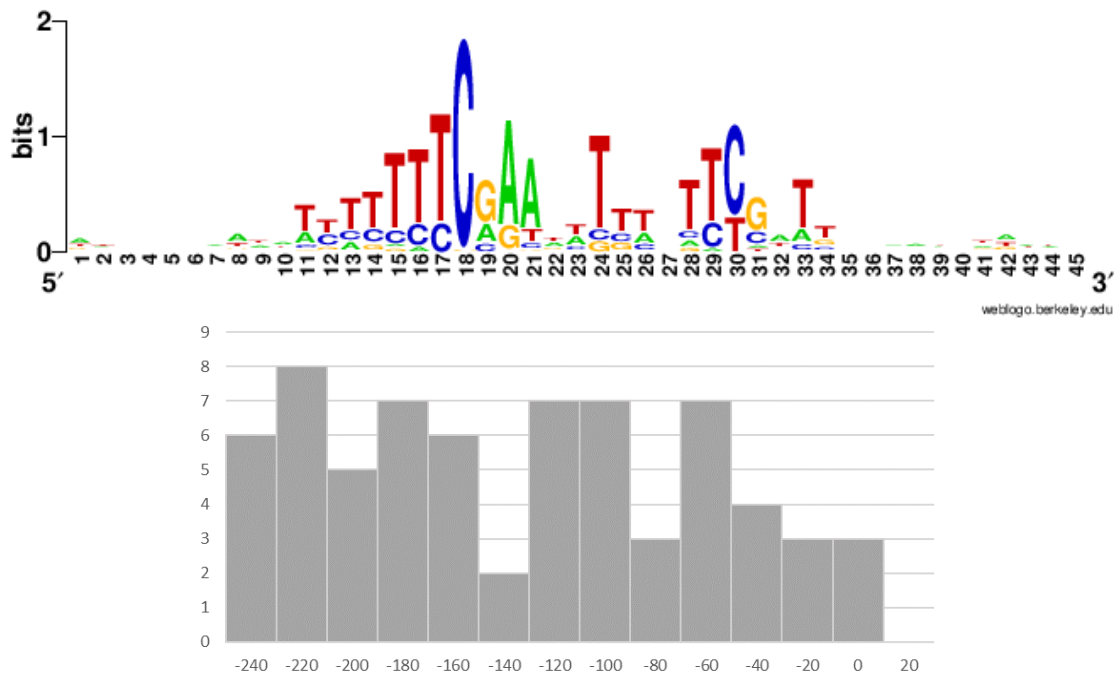
Motif #8 (113 sites)



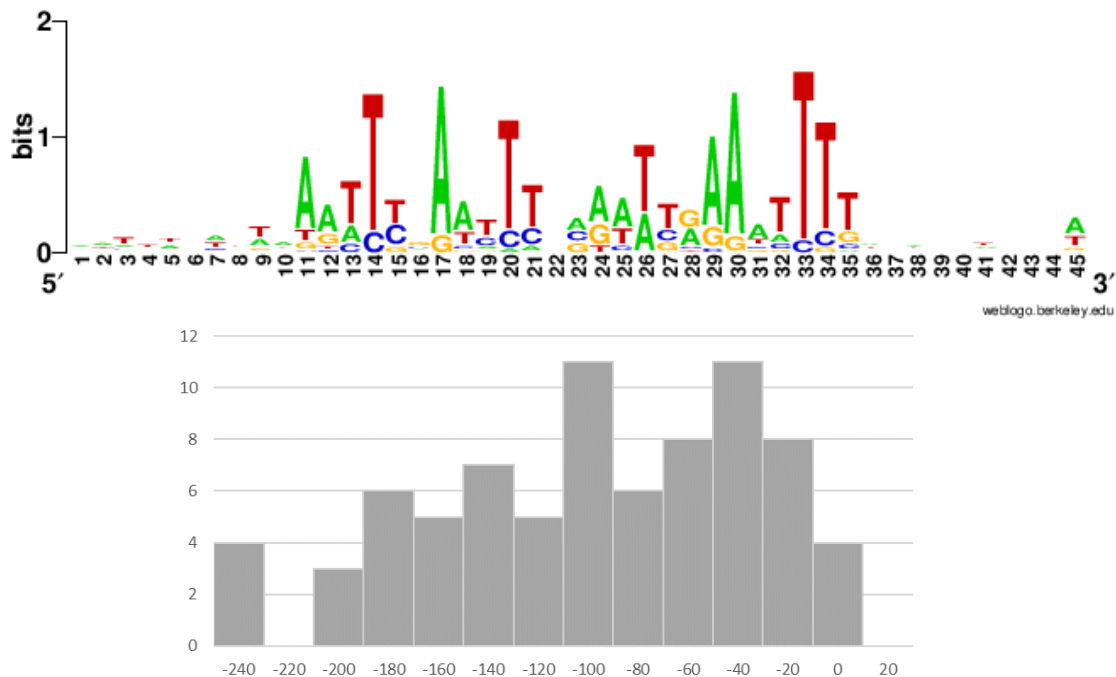
Pithovirus sibericum

467 fragments

Motif #9 (68 sites)



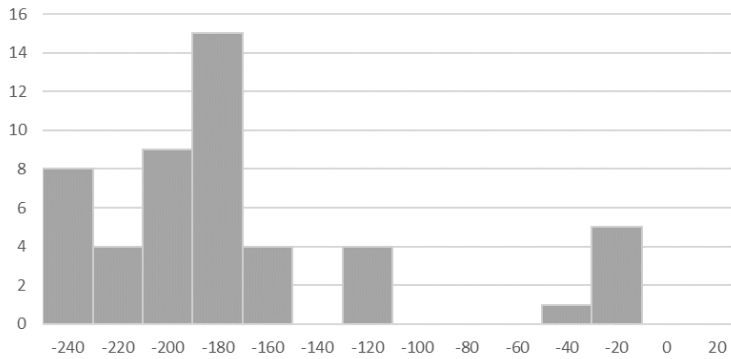
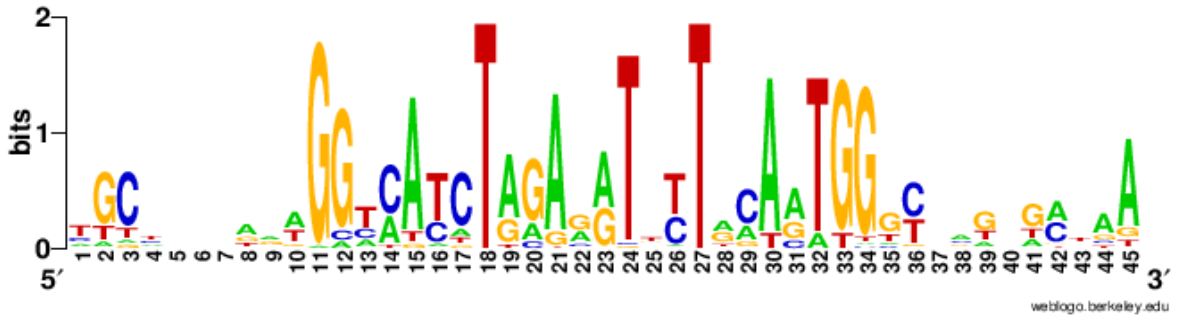
Motif #10 (78 sites)



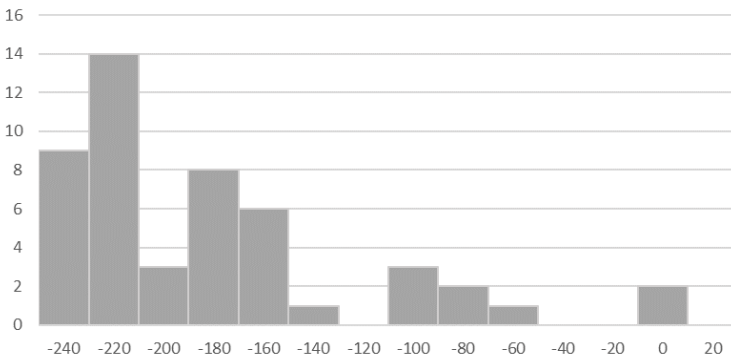
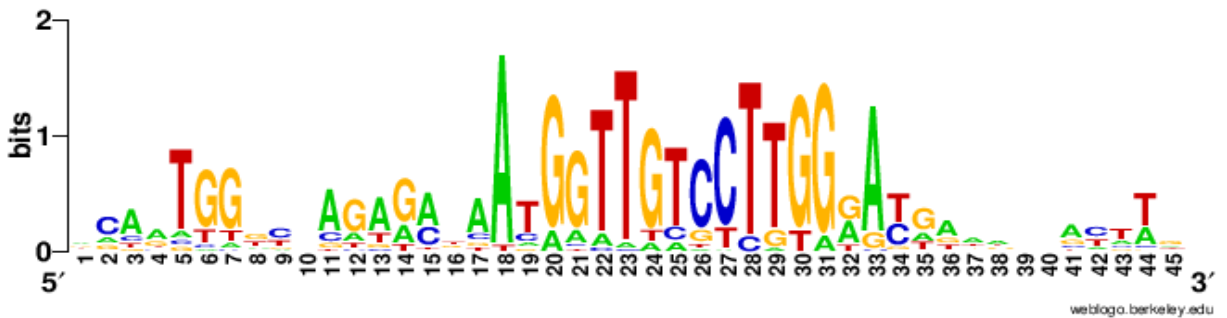
Cedratvirus A11

574 fragments

Motif #1 (50 sites)



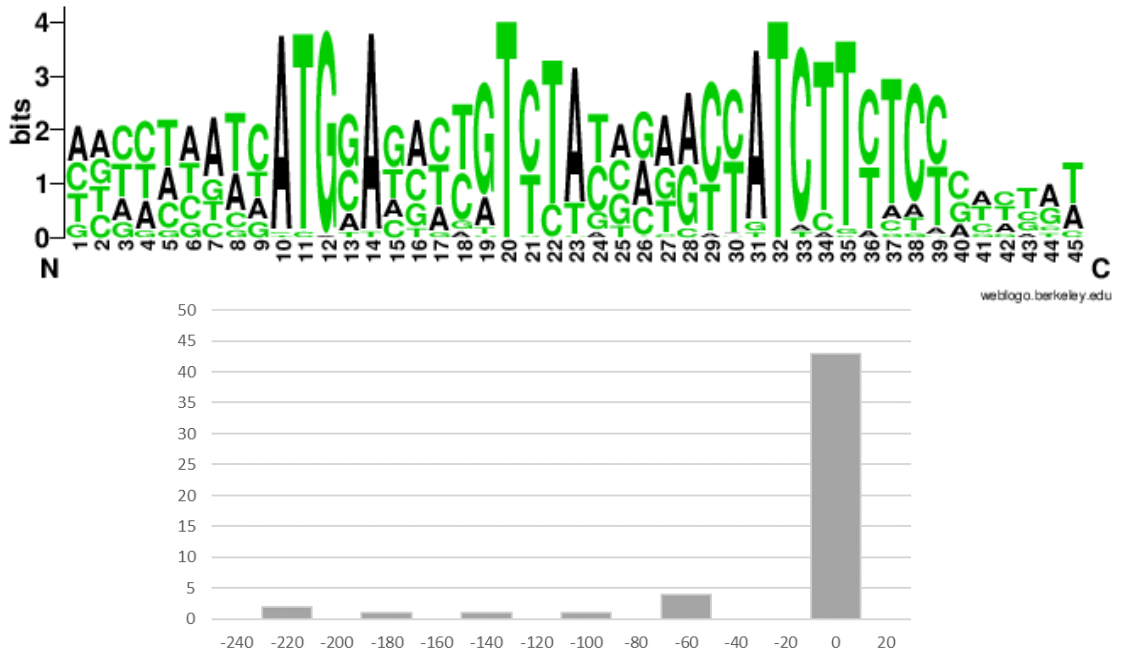
Motif #2 (50 sites)



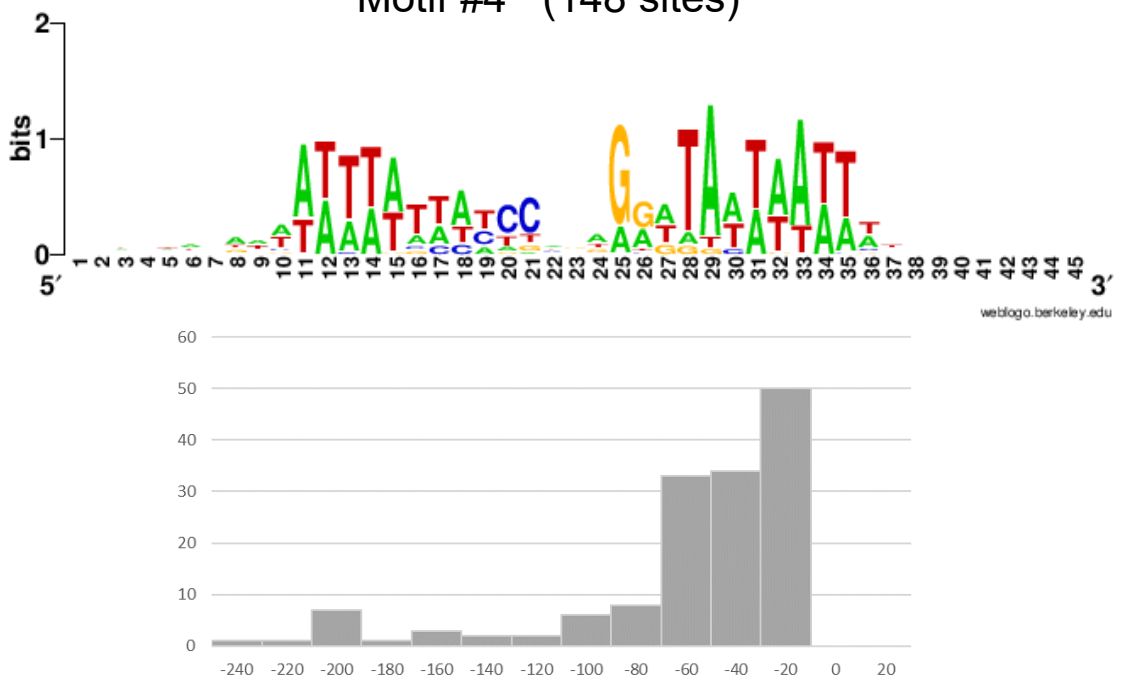
Cedratvirus A11

574 fragments

Motif #3 (42 sites)



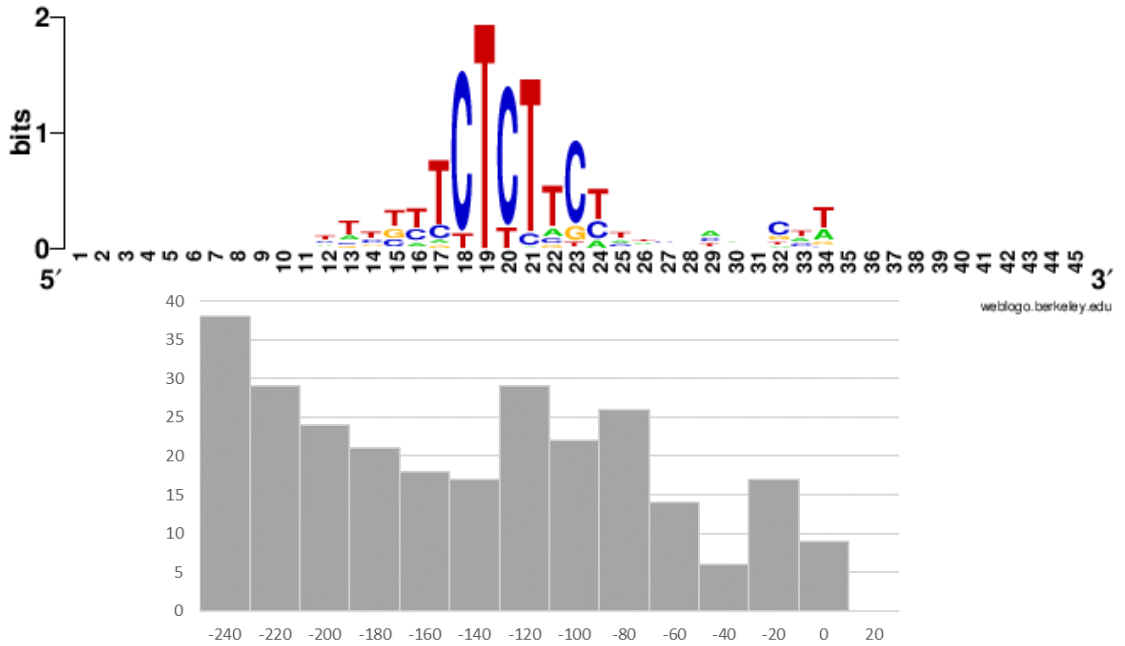
Motif #4 (148 sites)



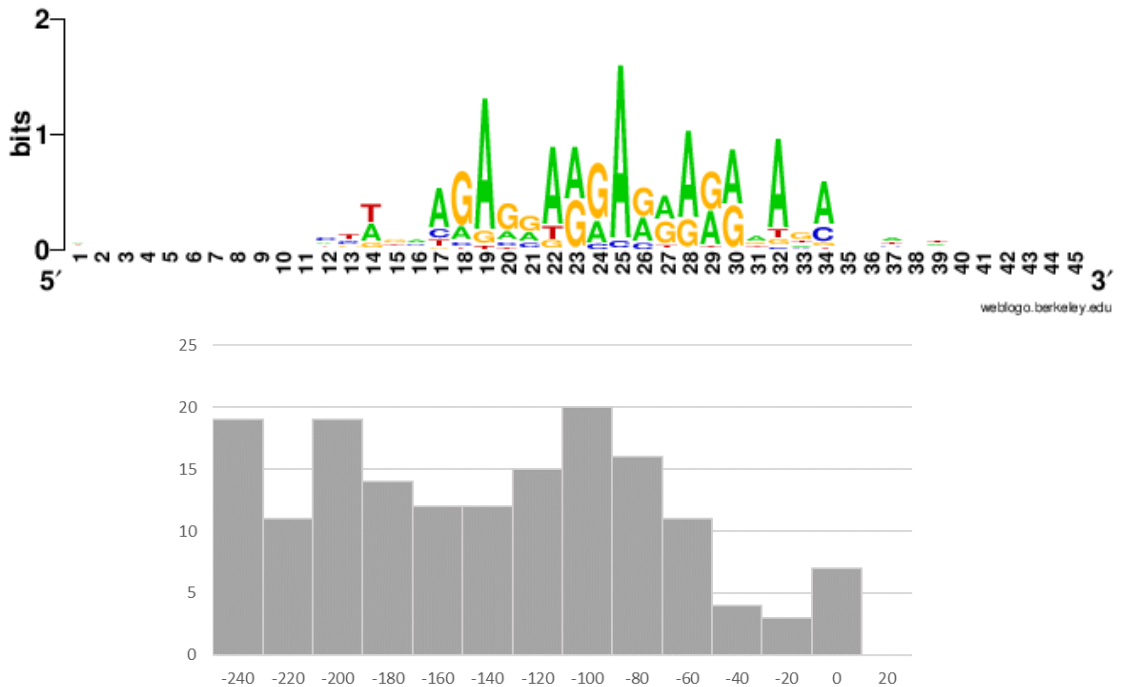
Cedratvirus A11

574 fragments

Motif #5 (270 sites)



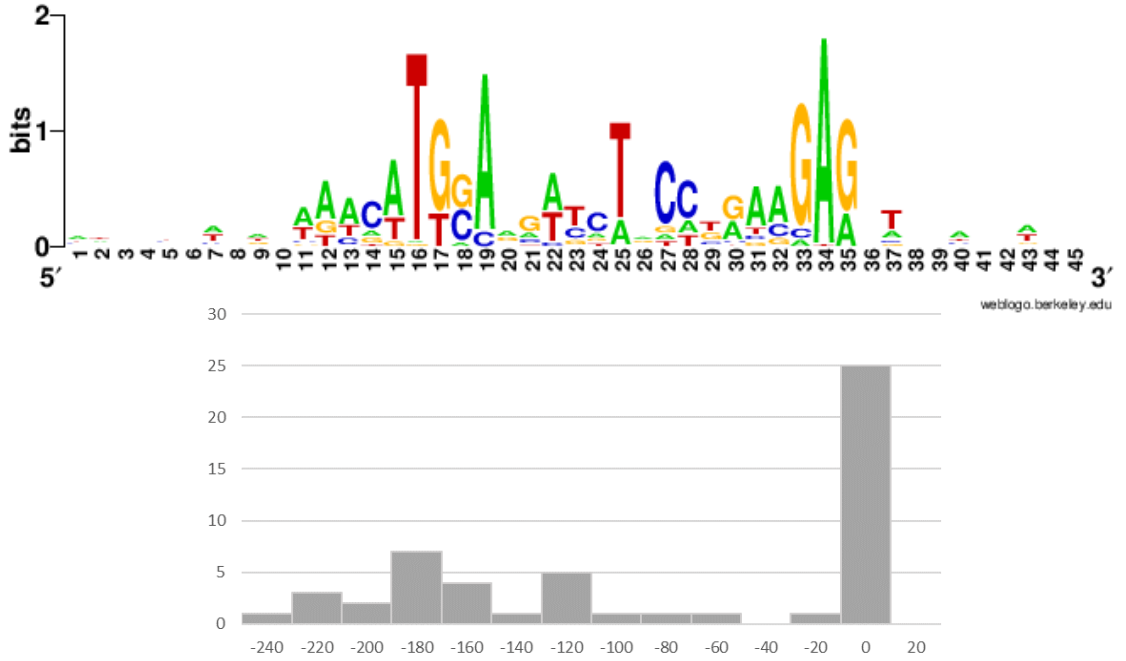
Motif #6 (163 sites)



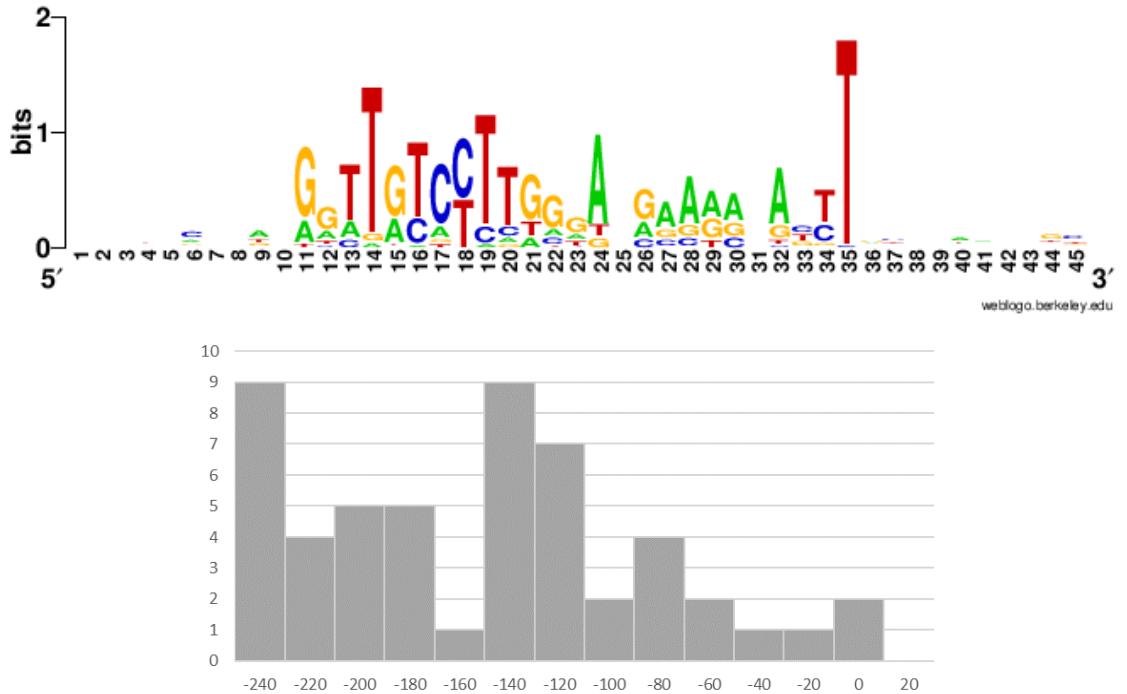
Cedratvirus A11

574 fragments

Motif #7 (52 sites)



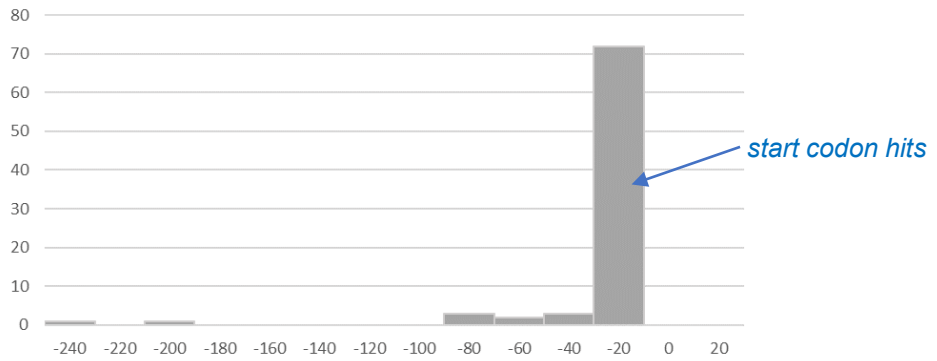
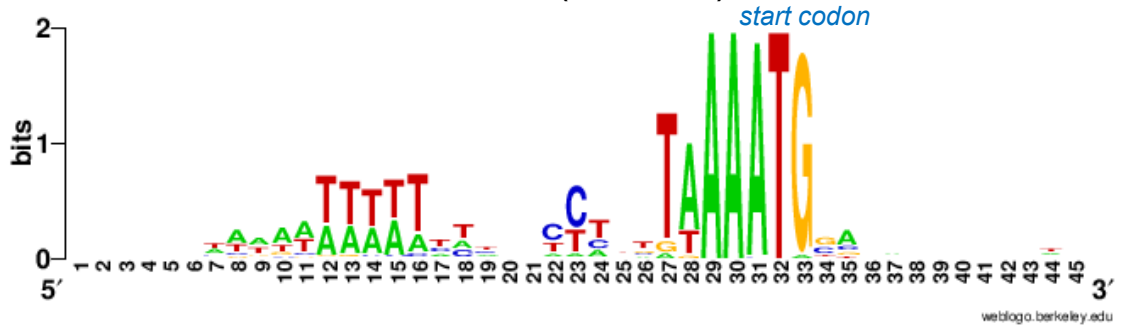
Motif #8 (52 sites)



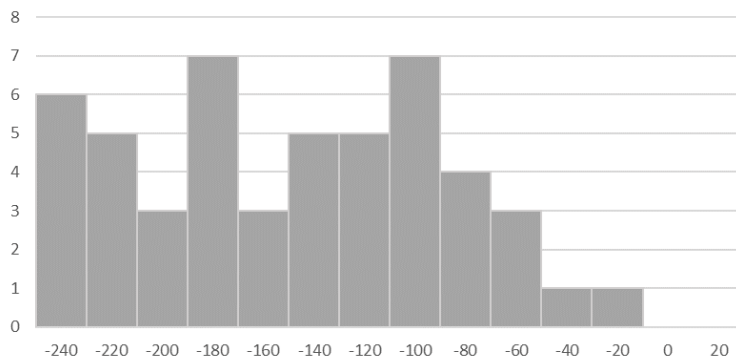
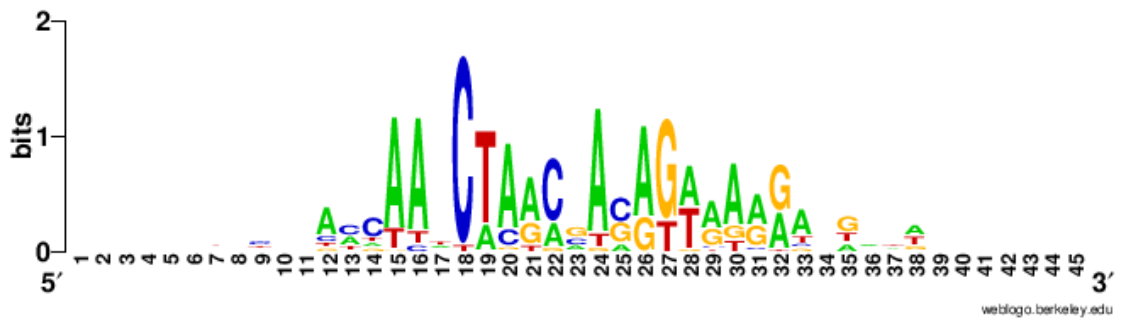
Cedratvirus A11

574 fragments

Motif #9 (82 sites)



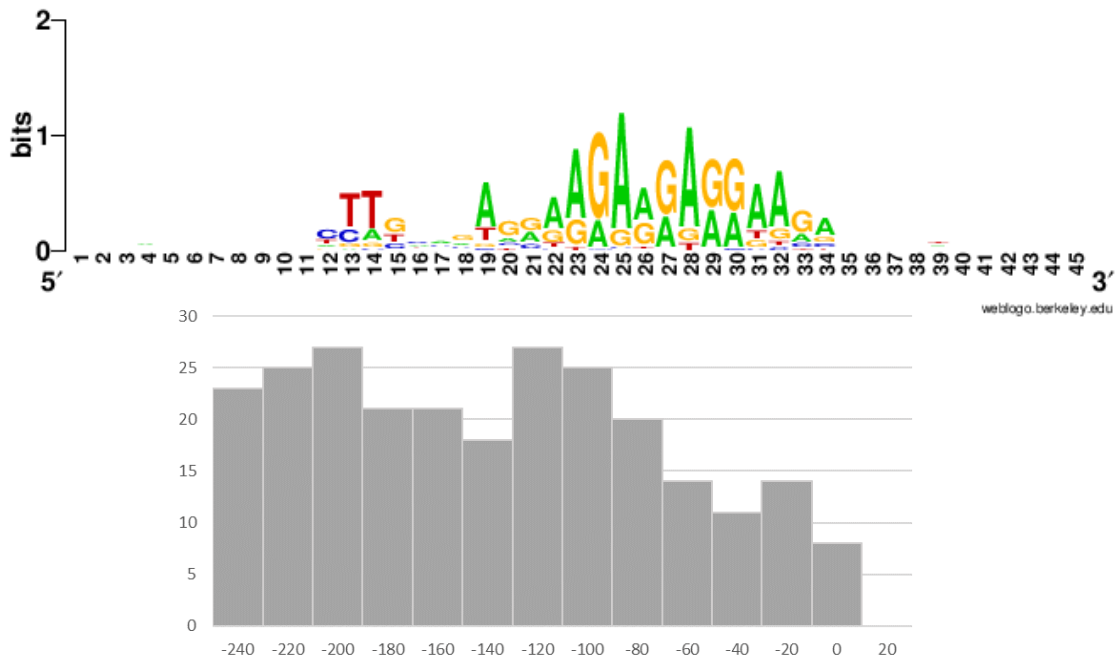
Motif #10 (50 sites)



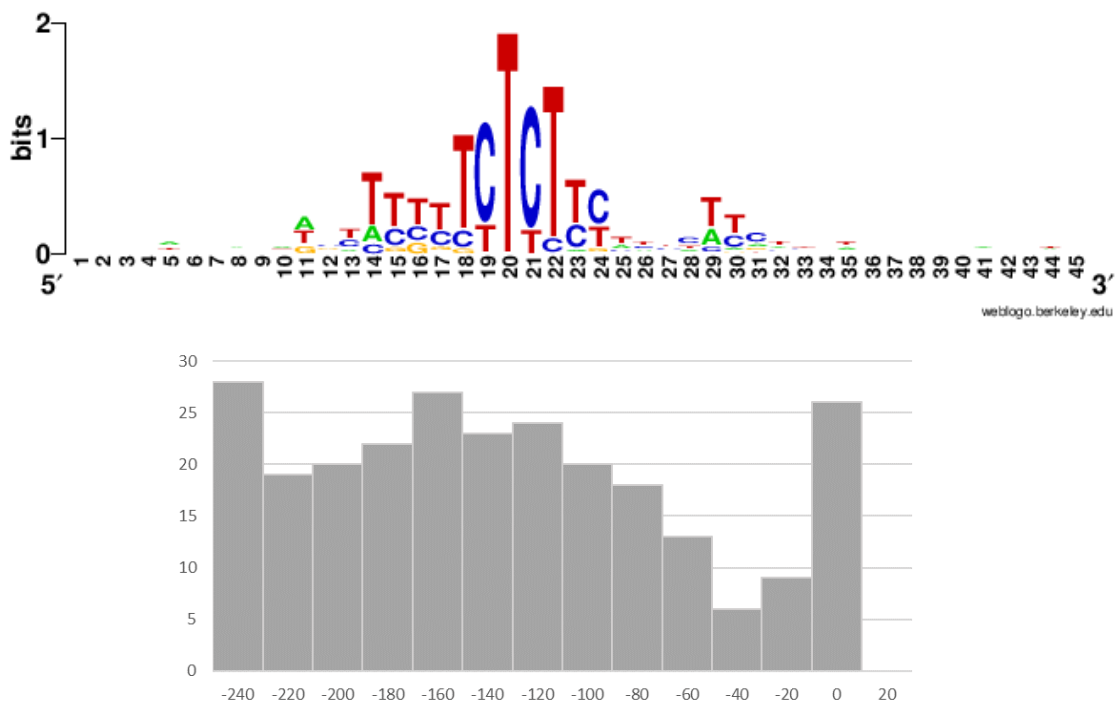
Pithovirus and Cedratvirus

1041 fragments

Motif #6 (254 sites)



Motif #7 (255 sites)

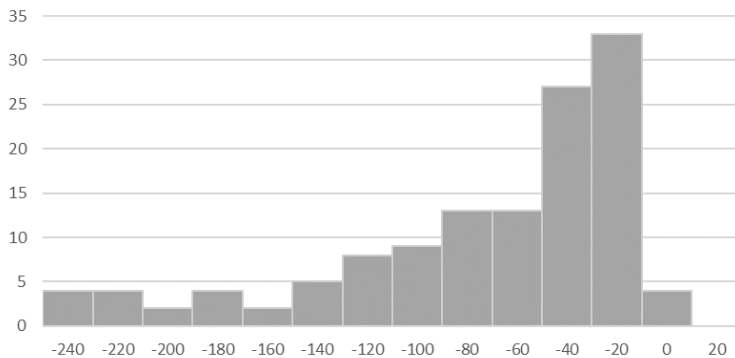
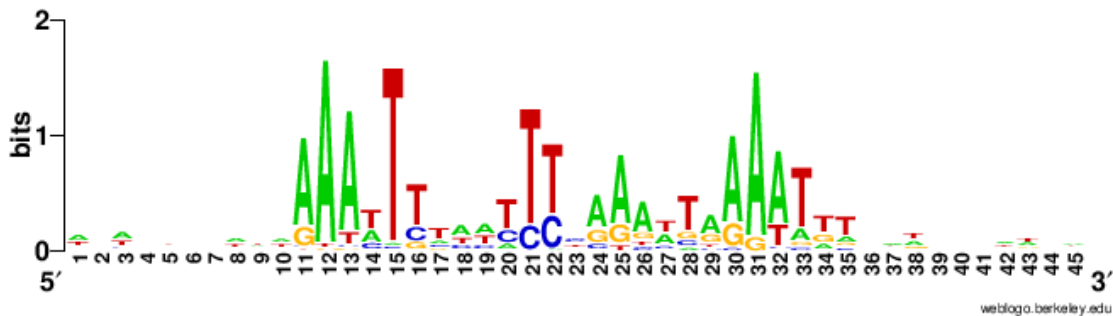


Pithovirus and Cedratvirus

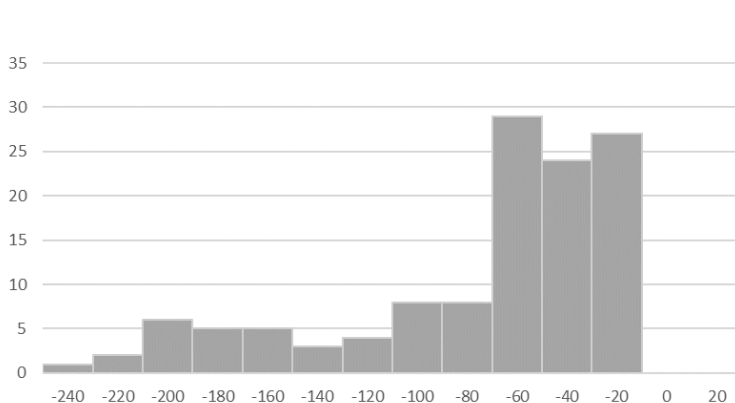
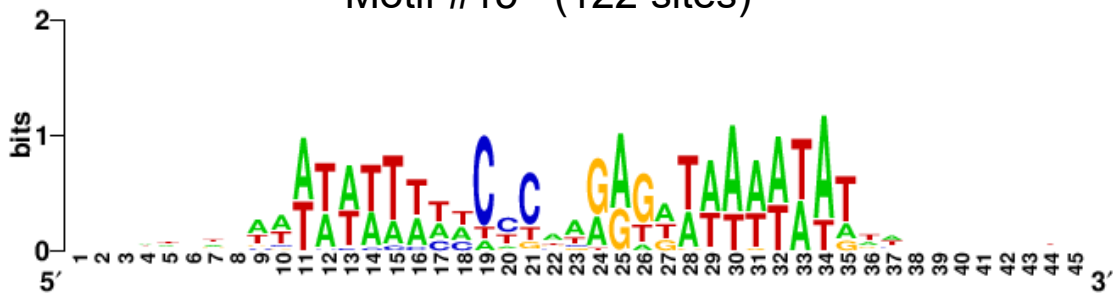
1041 fragments



Motif #13 (128 sites)



Motif #15 (122 sites)

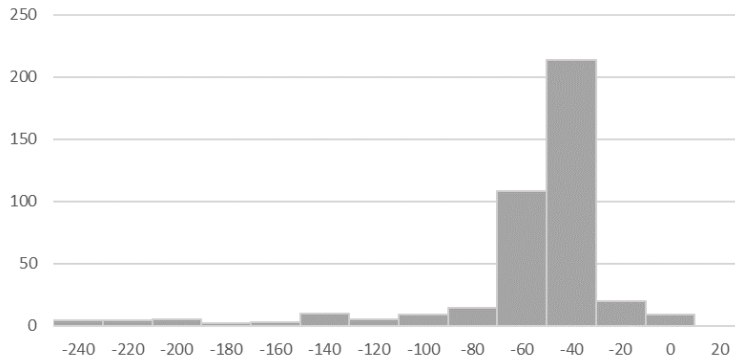
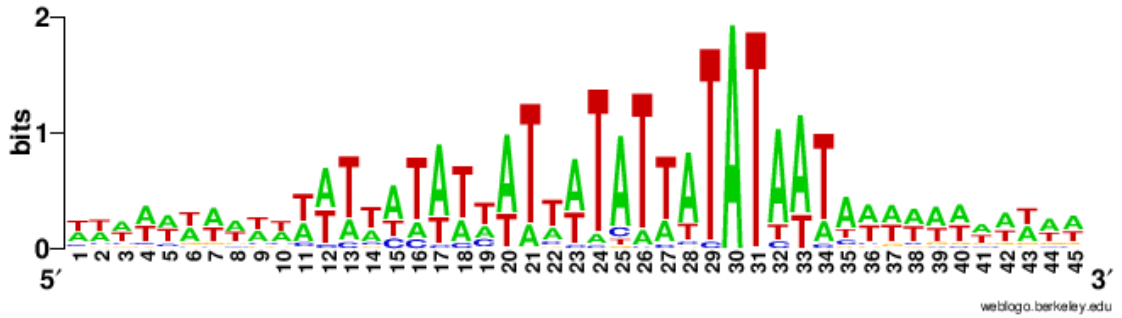


Orpheovirus

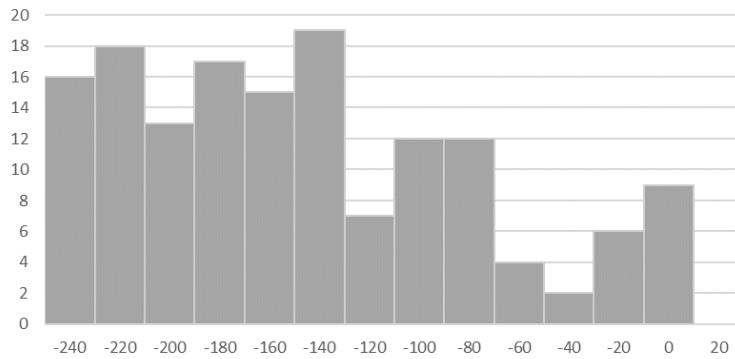
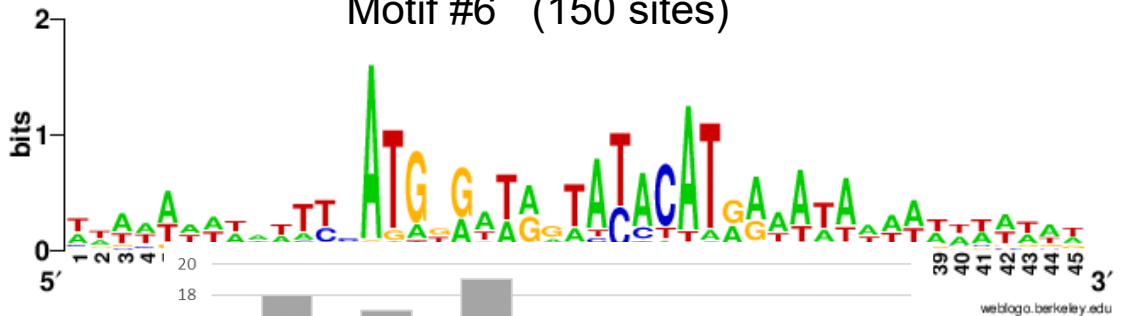
1199 fragments



Motif #5 (264 sites)



Motif #6 (150 sites)

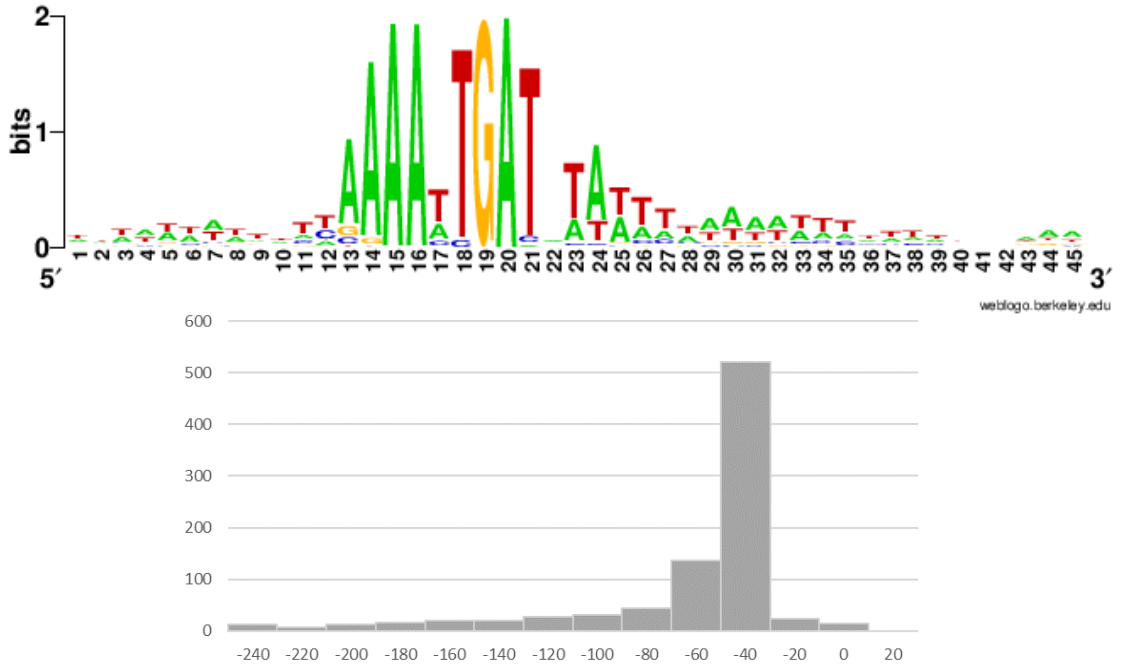


LCPAC401_403_404_406

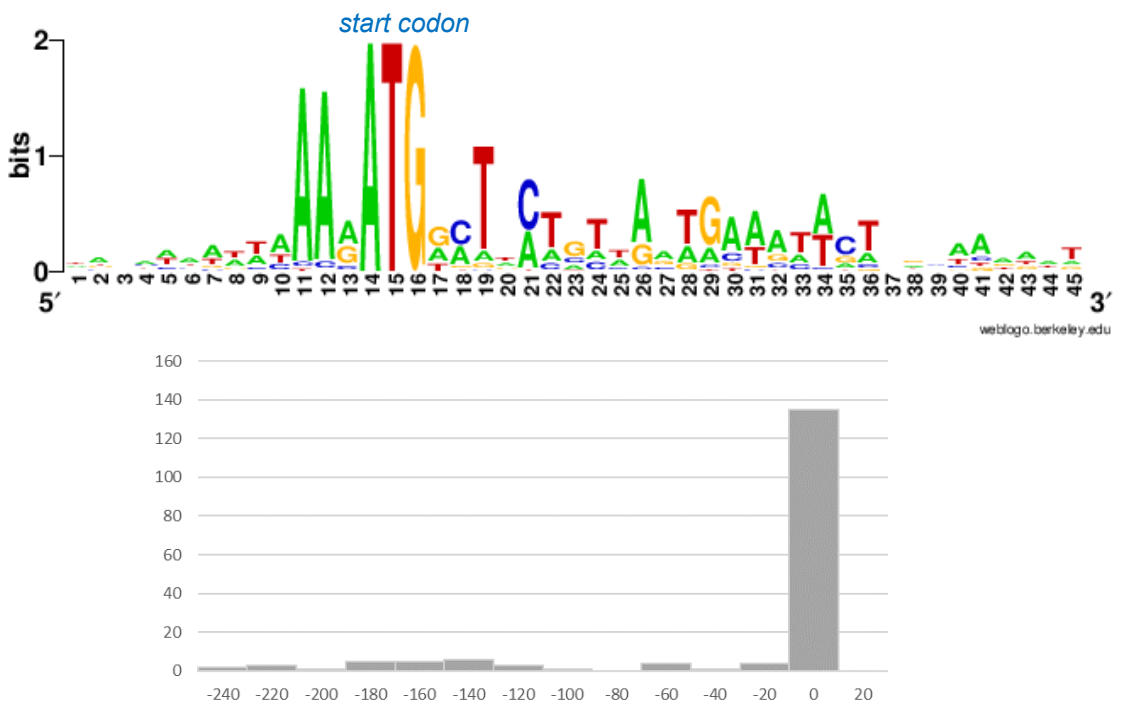
1708 fragments



Motif #1 (888 sites)



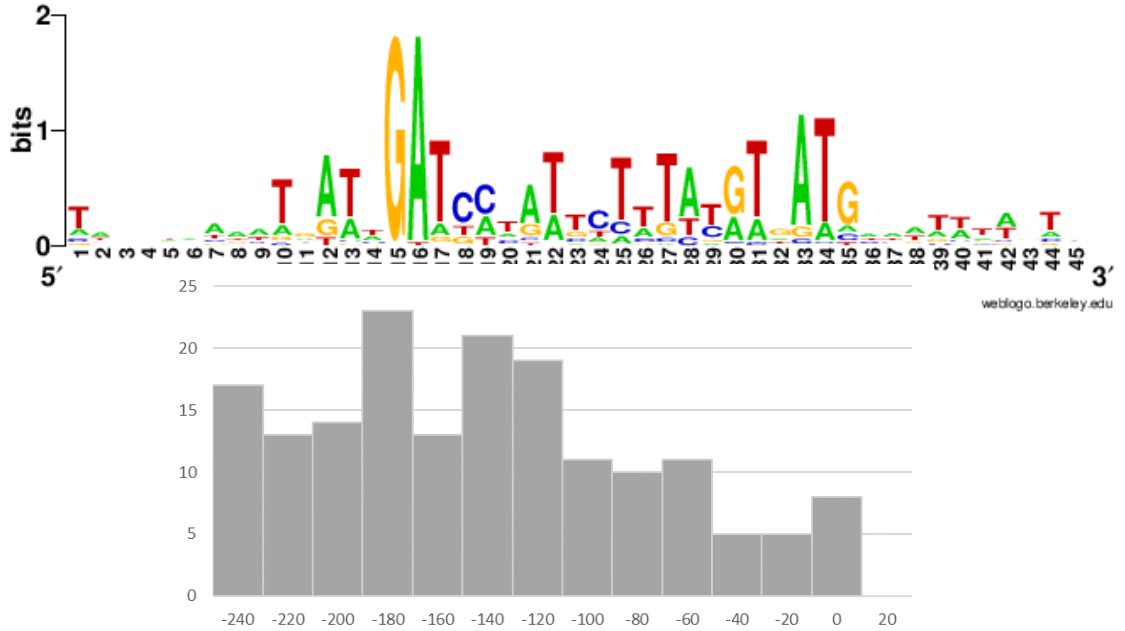
Motif #2 (170 sites)



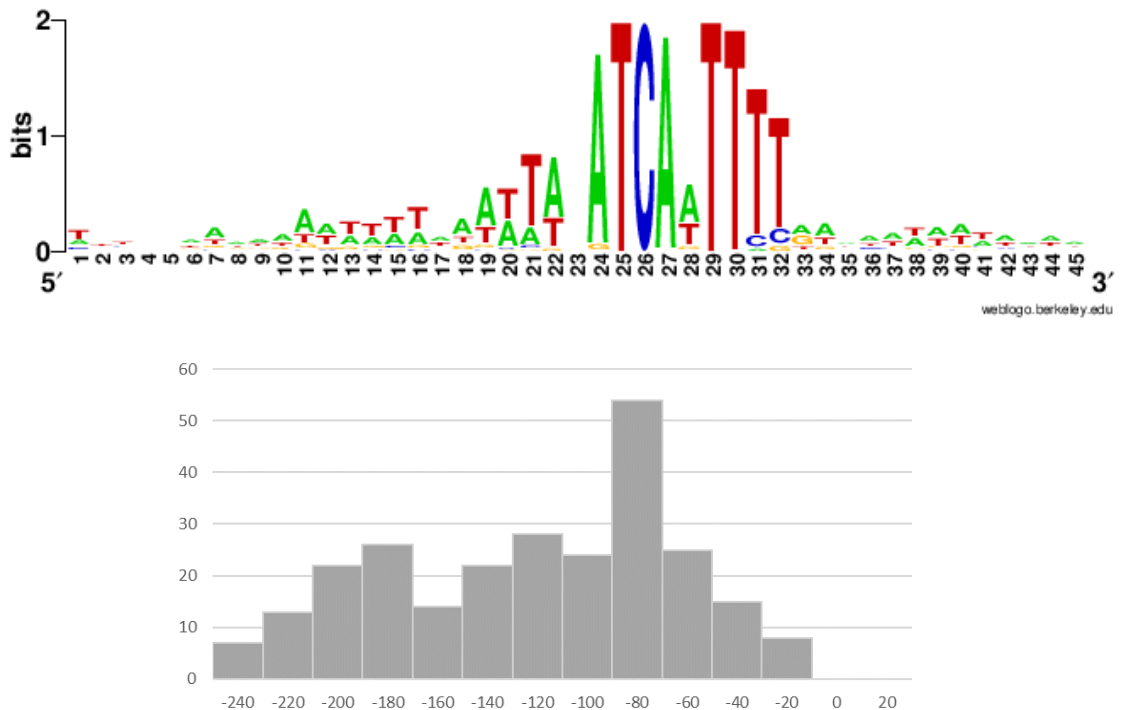
LCPAC401_403_404_406

1708 fragments

Motif #3 (170 sites)



Motif #4 (258 sites)

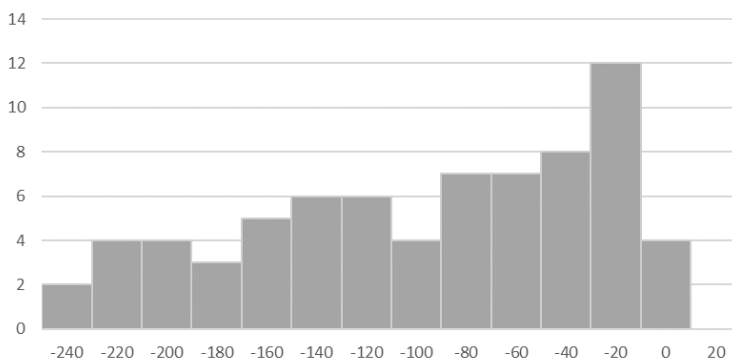
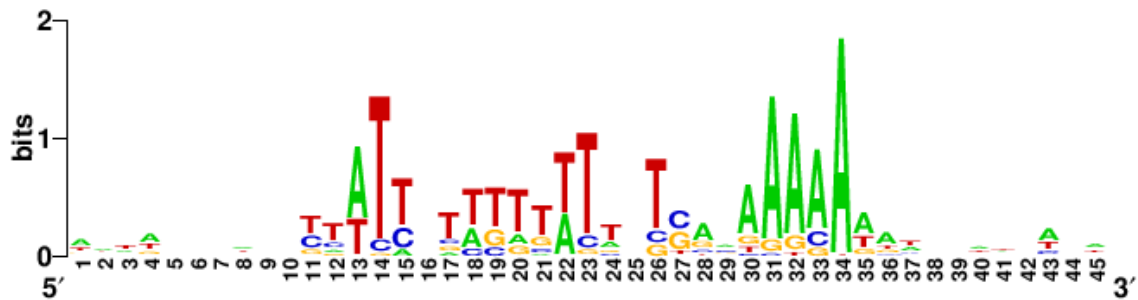


LCDPAC01

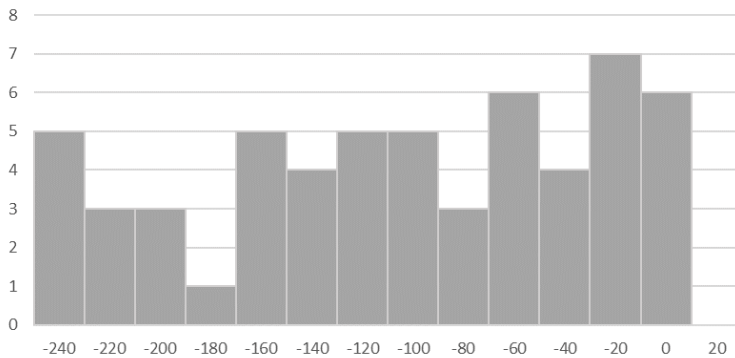
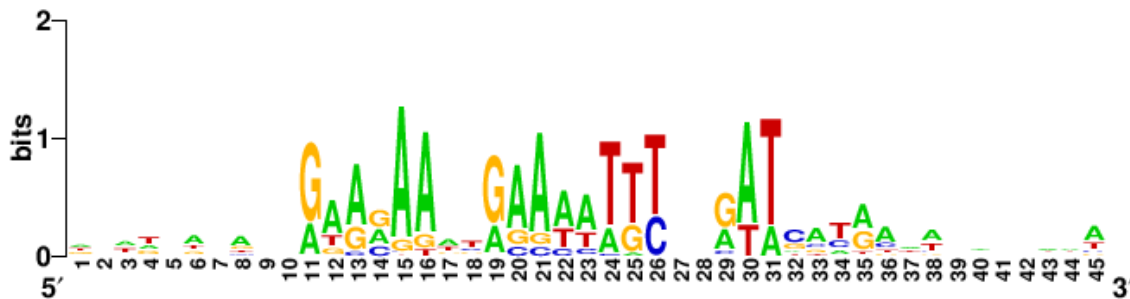
269 fragments



Motif #1 (72 sites)



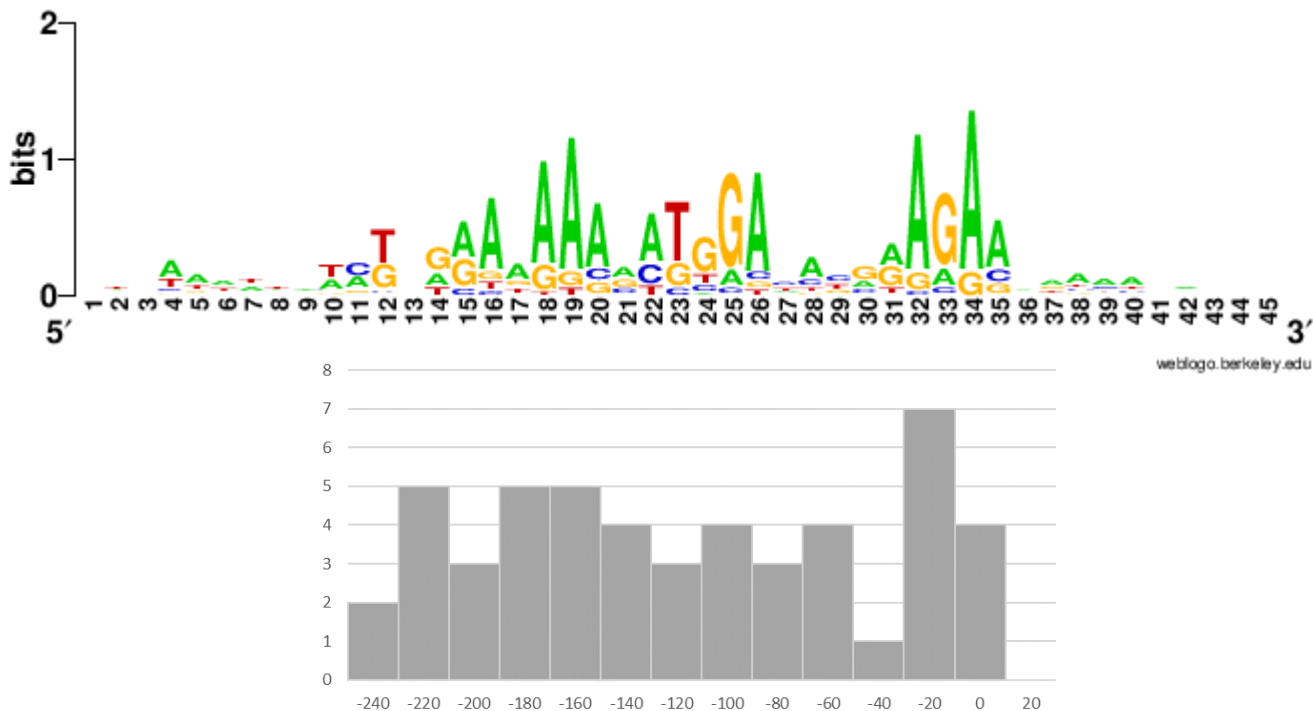
Motif #2 (57 sites)



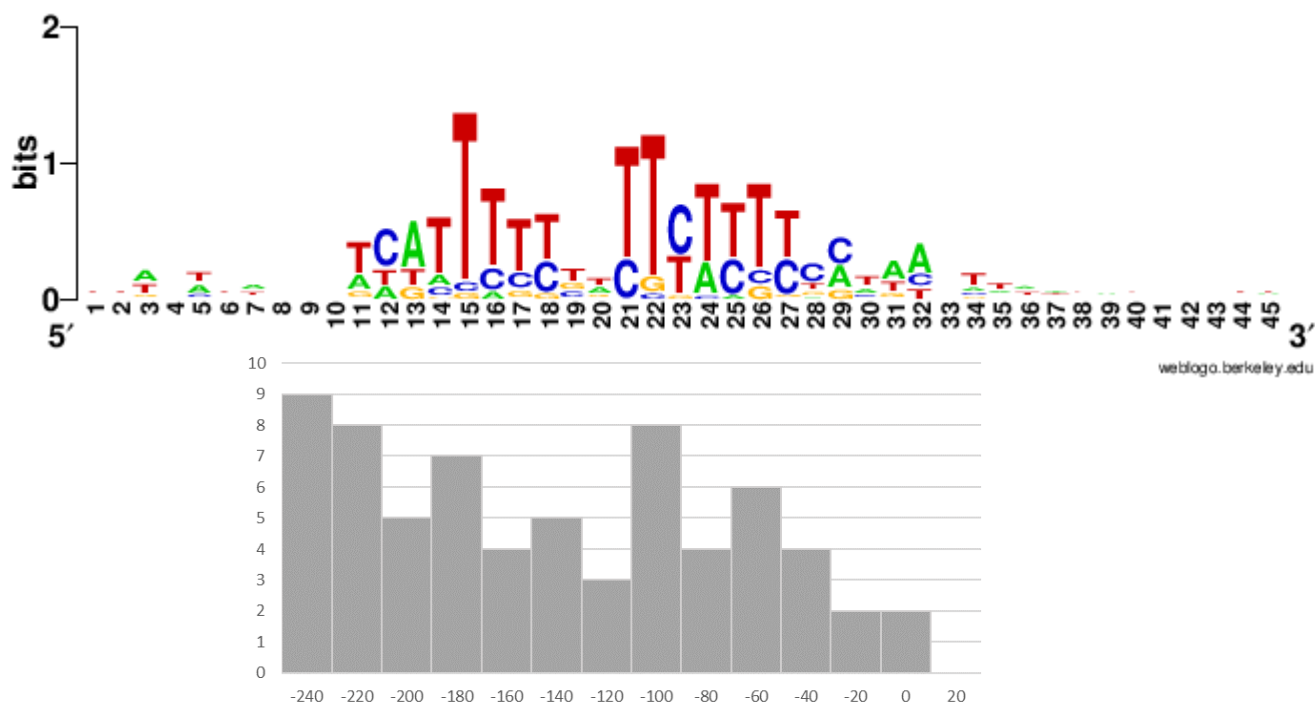
LCDPAC01

269 fragments

Motif #3 (50 sites)



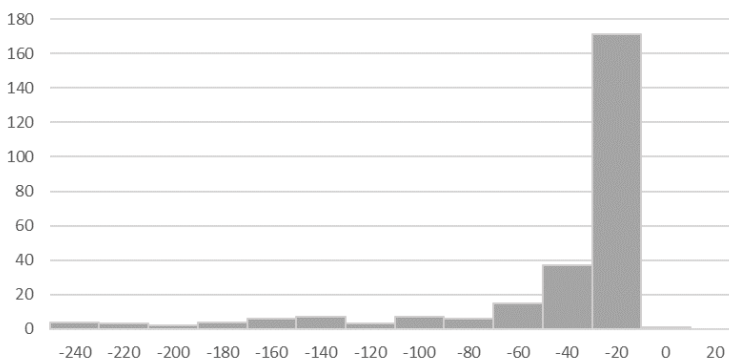
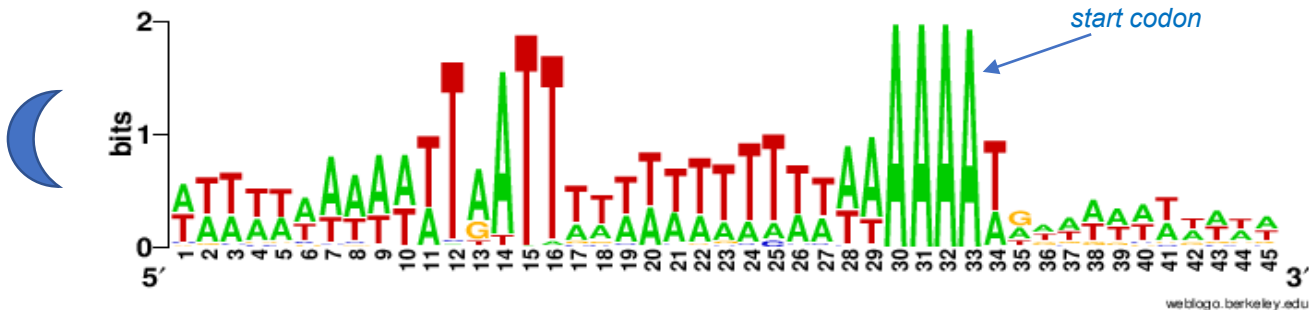
Motif #5 (67 sites)



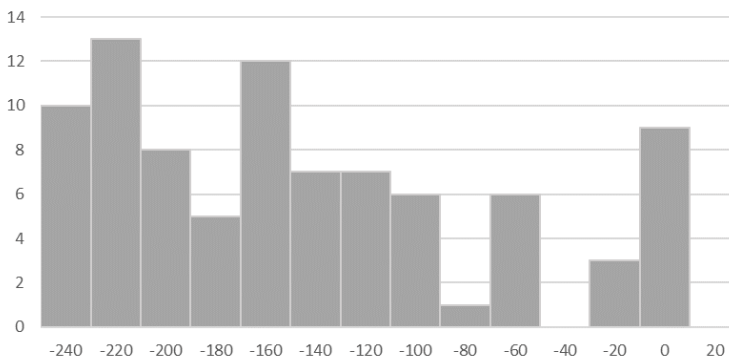
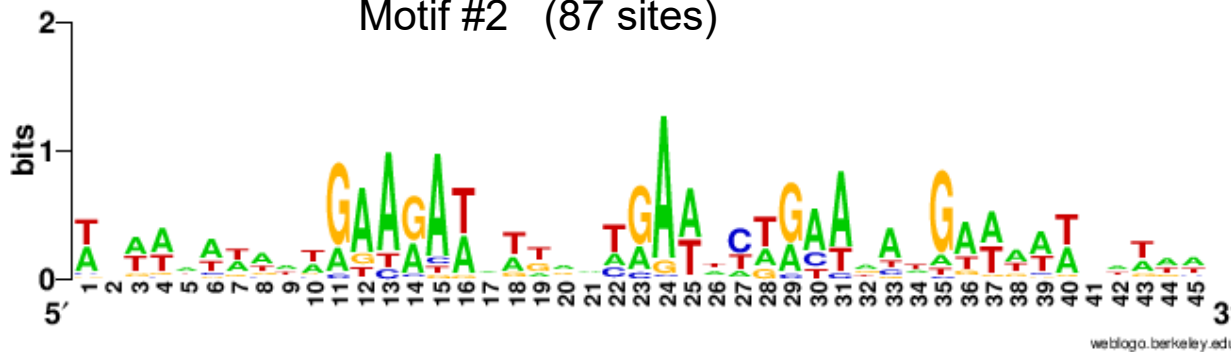
LCDPAC02

386 fragments

Motif #1 (266 sites)

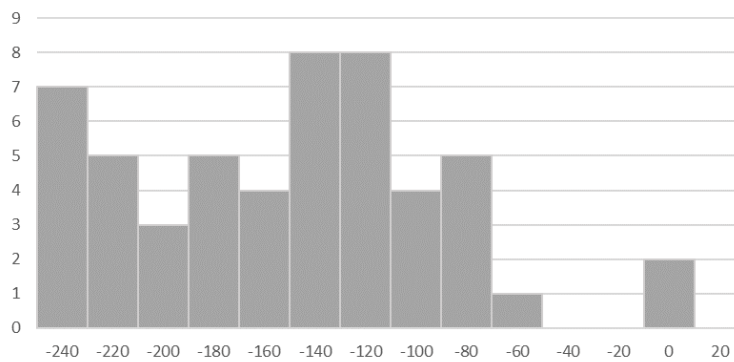
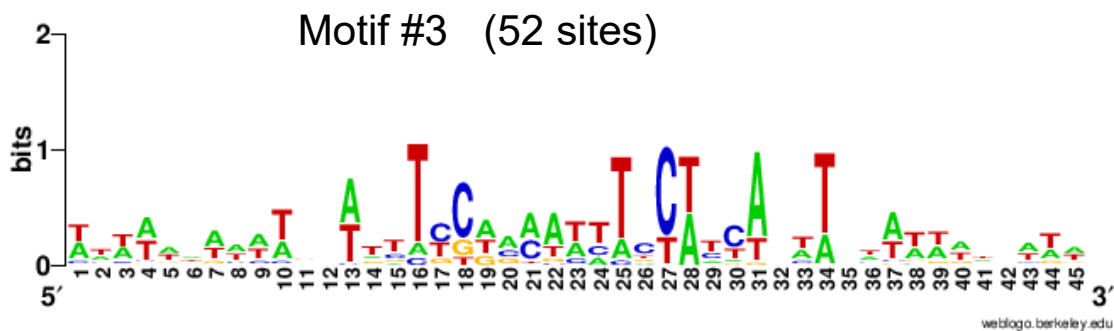


Motif #2 (87 sites)

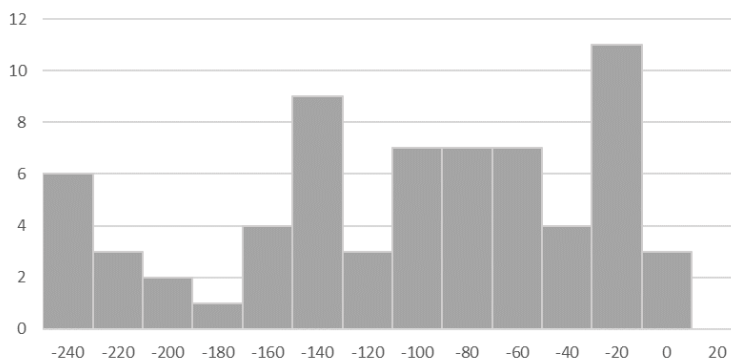
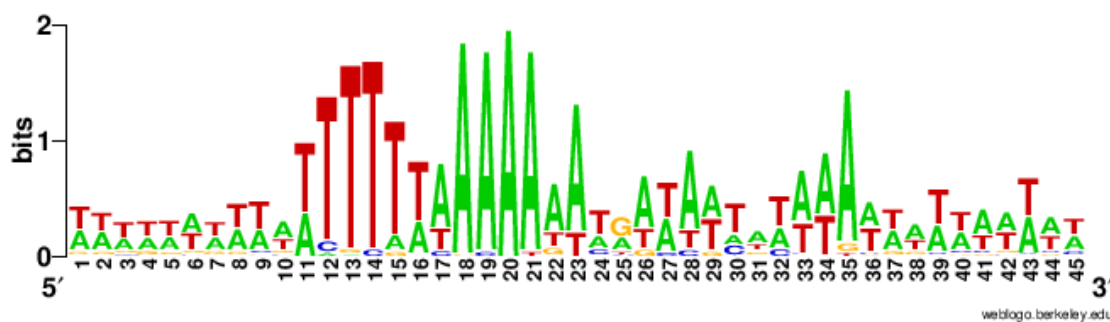


LCDPAC02

386 fragments



Motif #6 (67 sites)

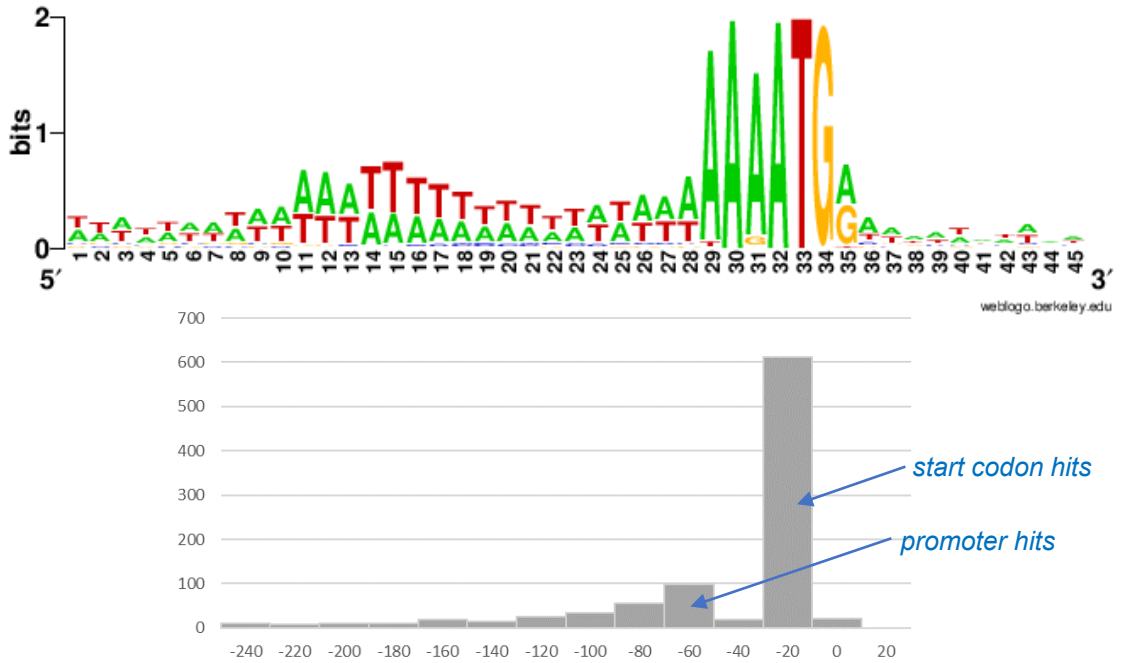


All pithoviruses

7379 fragments



Motif #2 (941 sites)



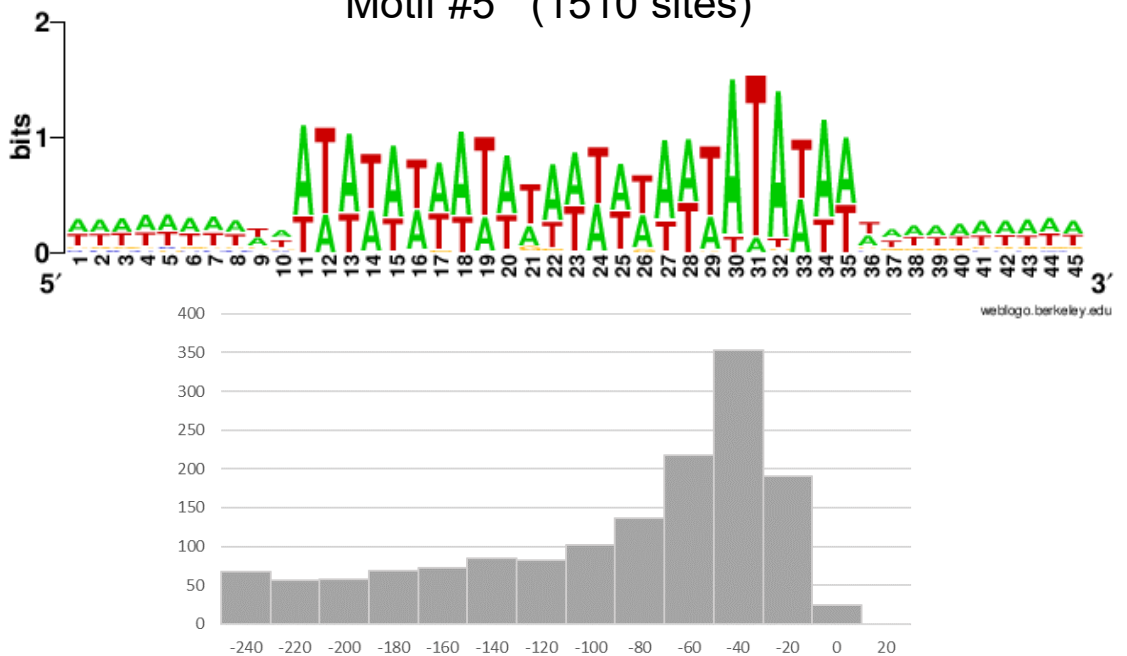
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Motif #5 (1510 sites)



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