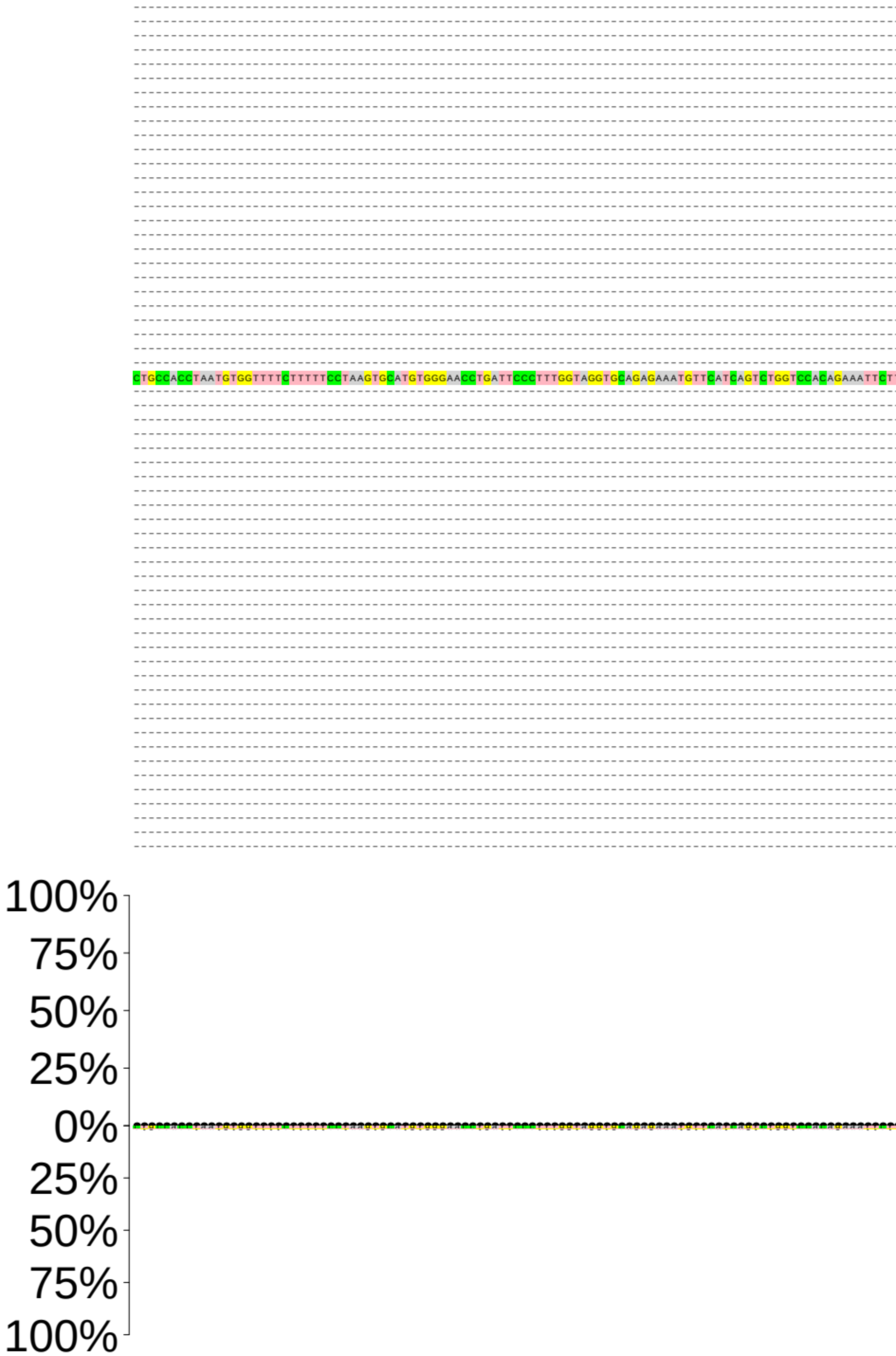
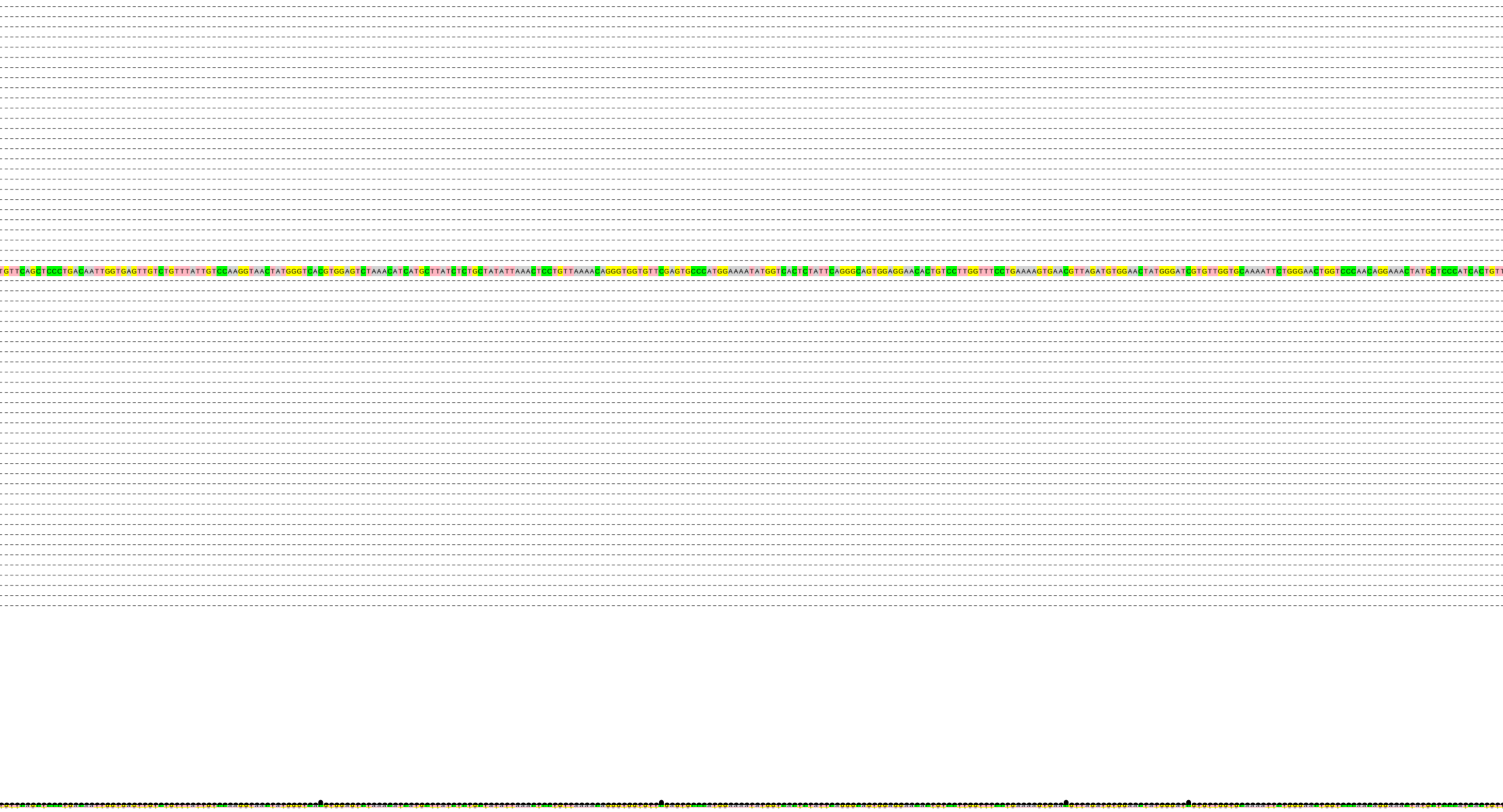
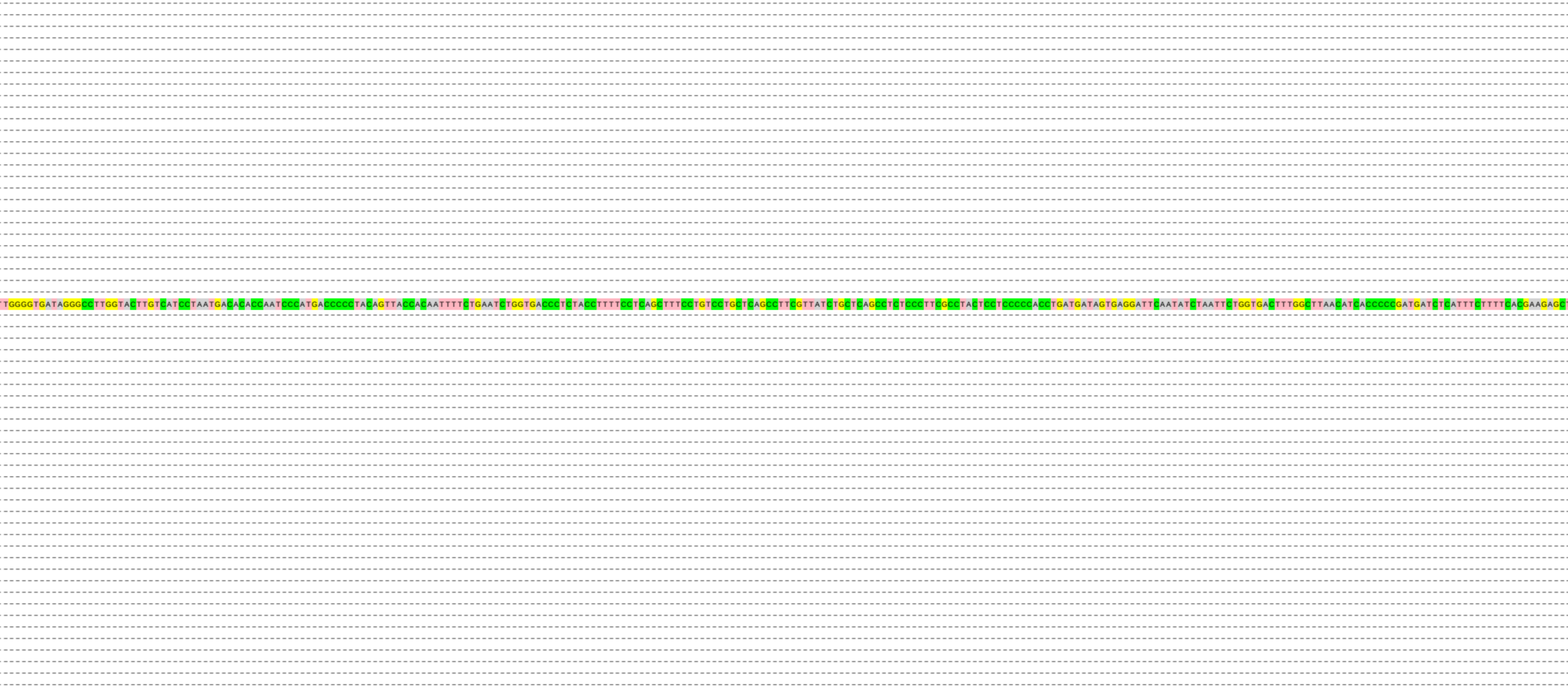
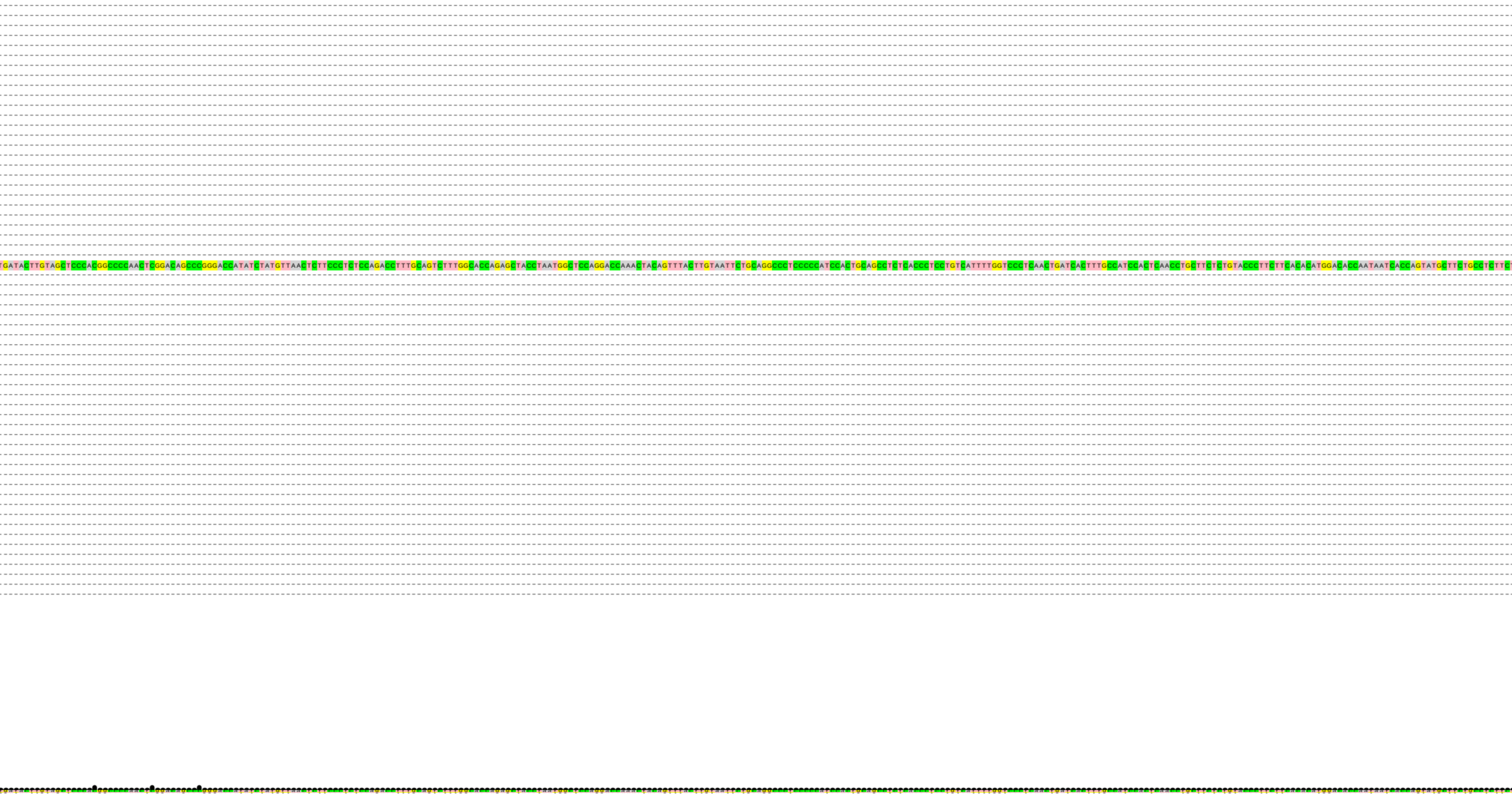




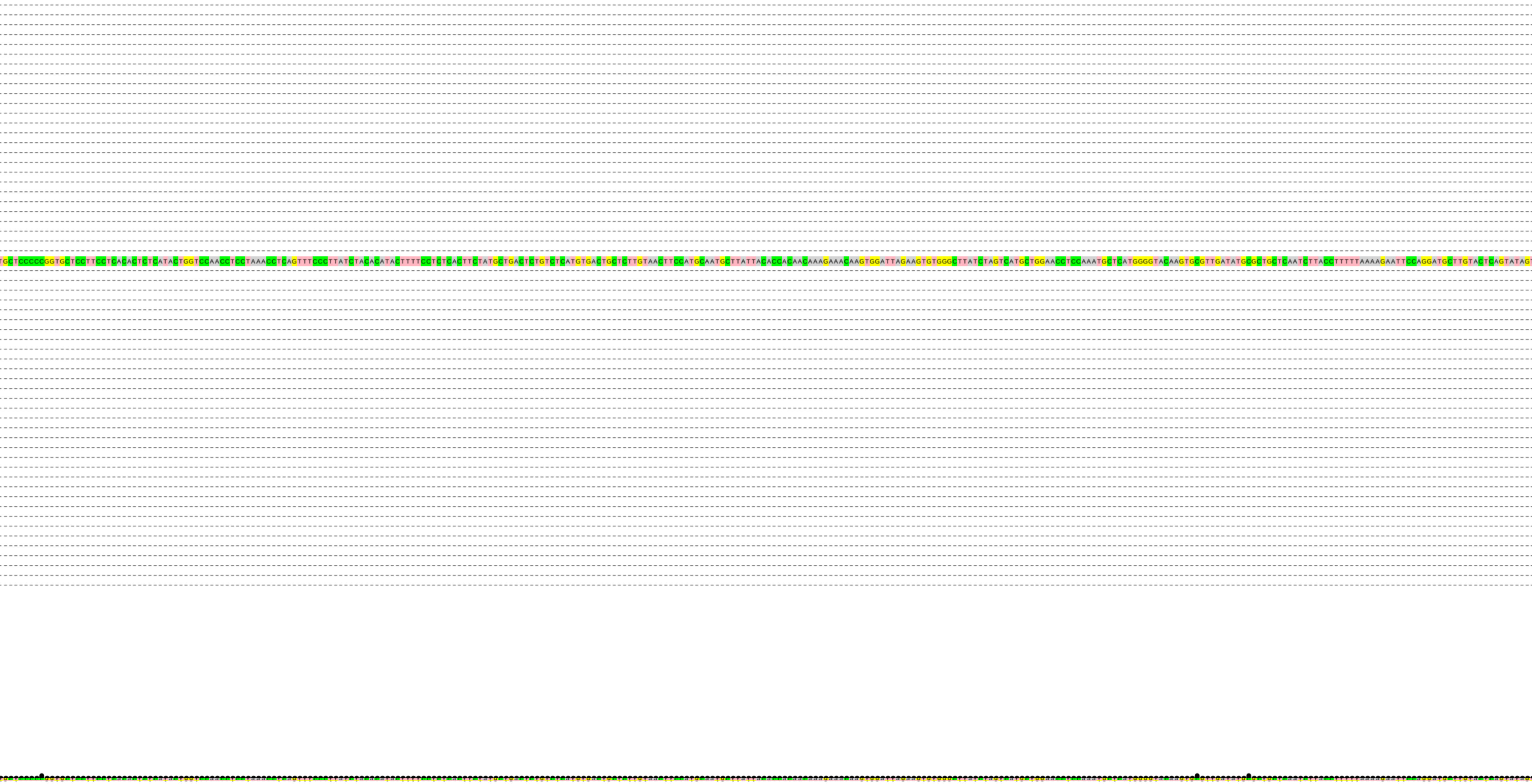
```
TGTTCAGCTCCCTGACAATTGGTGAGTTGTCTGTTTATTGTCCAAGGTAACTATGGGTCACGTGGAGTCTAAACATCATGCTTATCTCTGCTATATTAAACTCCTGTTAAAACAGGGTGGTGTTCGAGTGCCCATGGAAAATATGGTCACTCTATTCAGGGCAGTGGAGGAACACTGTCCTTGGTTTCCTGAAAAGTGAACGTTAGATGTGGAACTATGGGATCGTGTTGGTGCAAAATTCTGGGAACTGGTCCCAACAGGAAACTATGCTCCCATCACTGTT
```



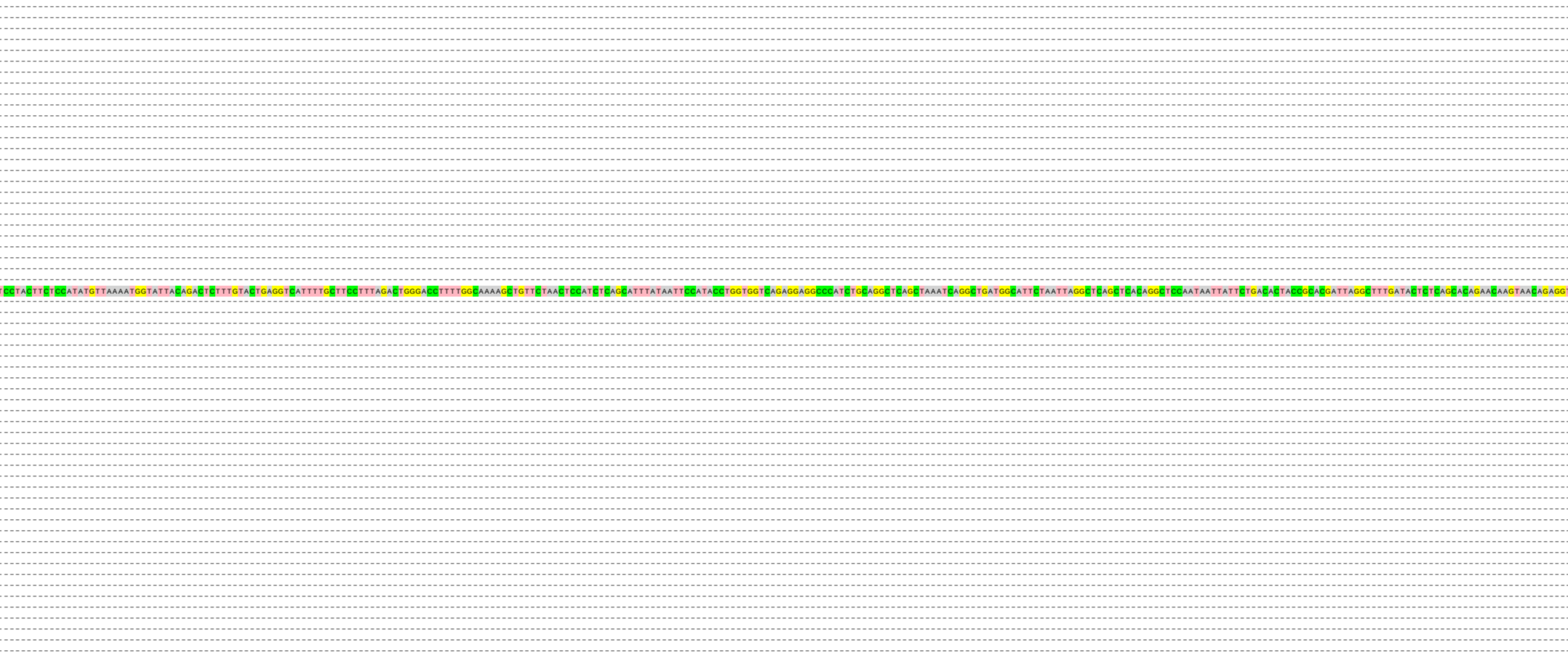
TTGGGGTGATAGGGCCTTGGTACTTGTCATCCTAATGACACACCAATCCCATGACCCCCTACAGTTACCACAATTTTCTGAATCTGGTGACCCTCTACCTTTTCCTCAGCTTTCCTGTCCTGCTCAGCCTTCGTTATCTGCTCAGCCTCTCCCTTCGCCTACTCCTCCCCCACCTGATGATAGTGAGGATTCAATATCTAATTCTGGTGACTTTGGCTTAACATCACCCCCGATGATCTCATTTCTTTTCACGAAGAGC



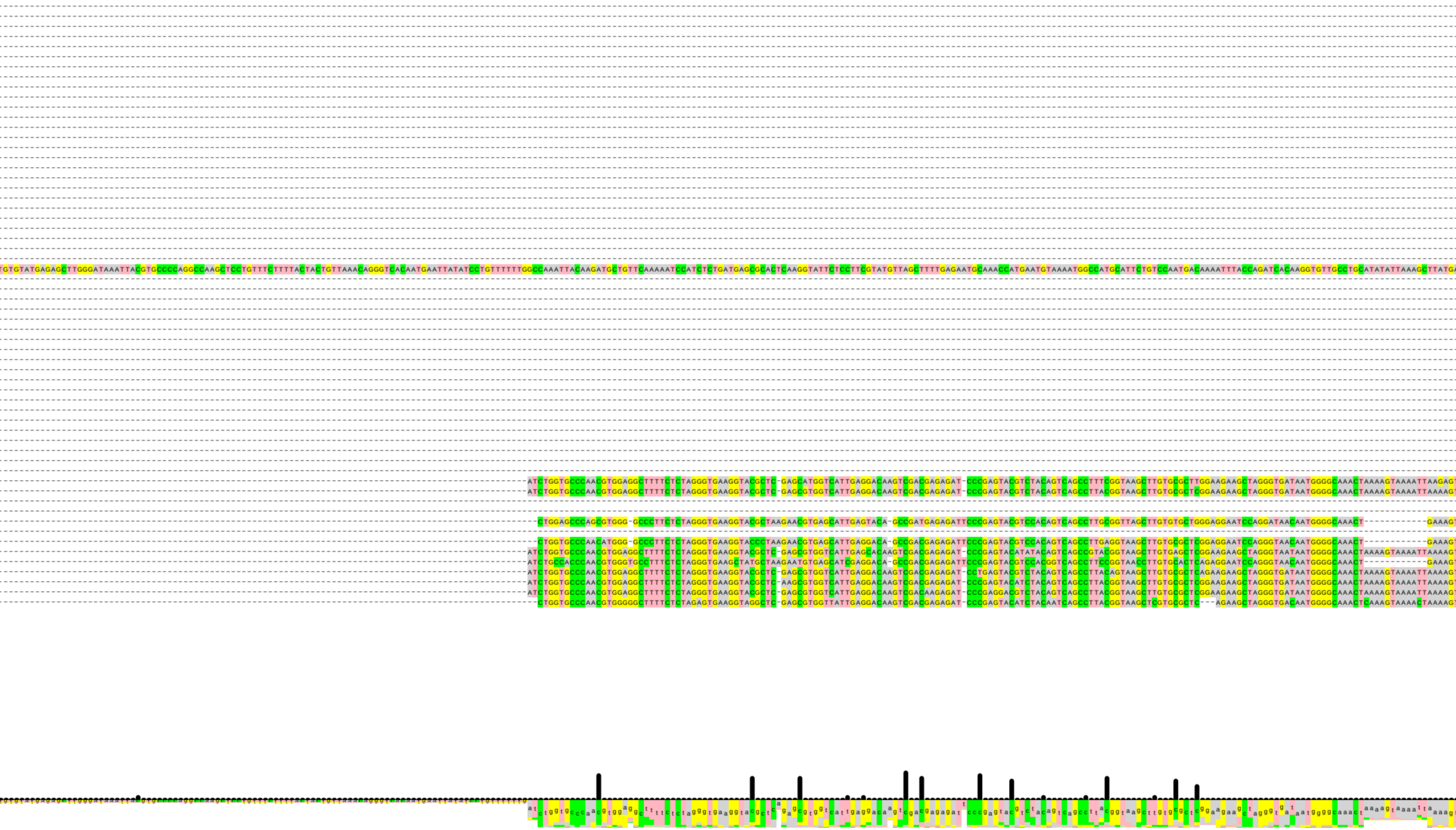
```
TGATACTTGTAGCTCCCACGGCCCCAACTCGGACAGCCCGGGACCATATCTATGTTAACTCTTCCCTCTCCAGACCTTTGCAGTCTTTGGCACCAGAGCTACCTAATGGCTCCAGGACCAAACTACAGTTTACTTGTAATTCTGCAGGCCCTCCCCCATCCACTGCAGCCTCTCACCCTCCTGTCATTTTGGTCCCTCAACTGATCACTTTGCCATCCACTCAACCTGCTTCTCTGTACCCTTCTTCACACATGGACACCAATAATCACCAGTATGCTTCTGCCTCTTCT
```

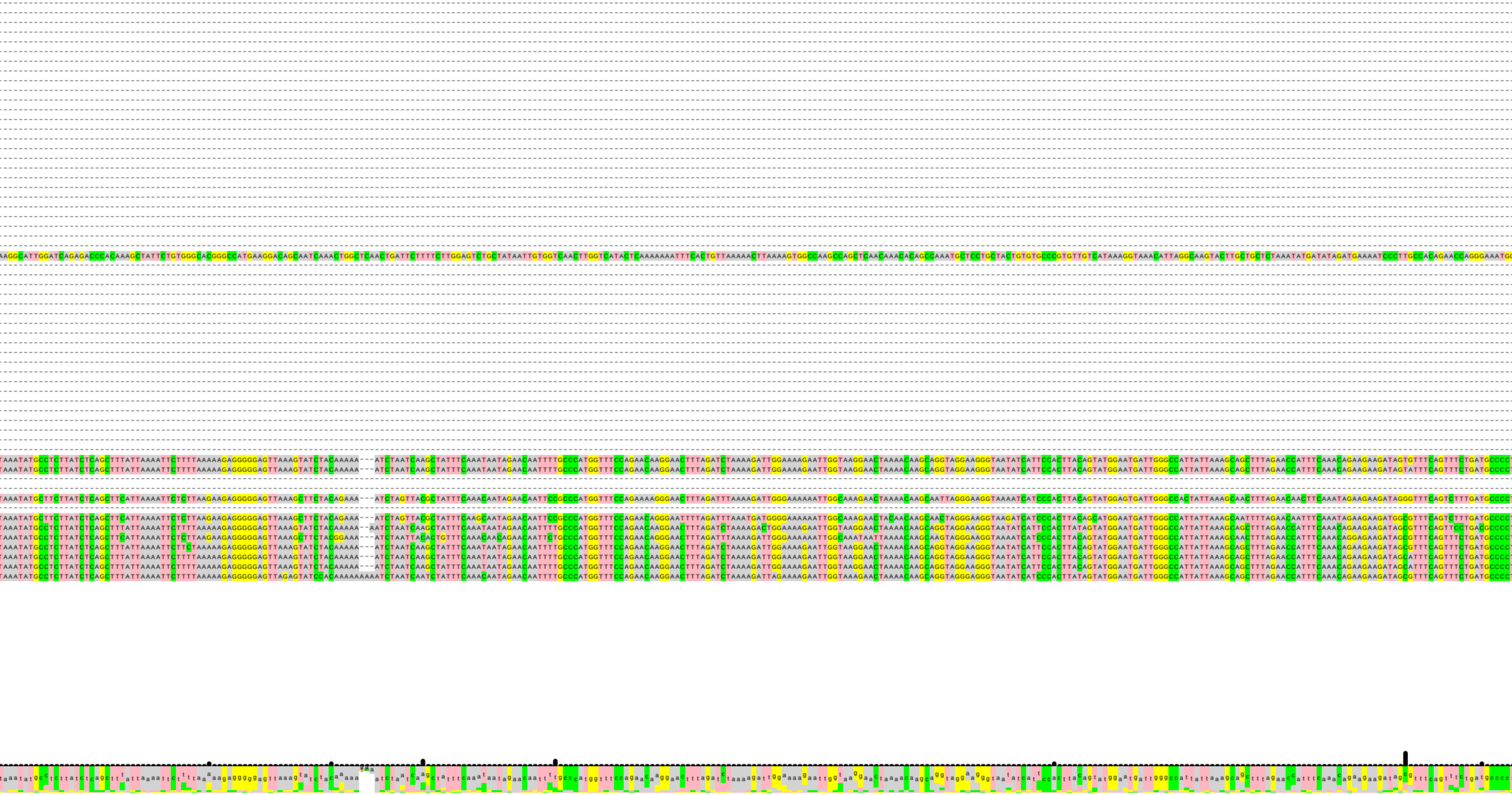


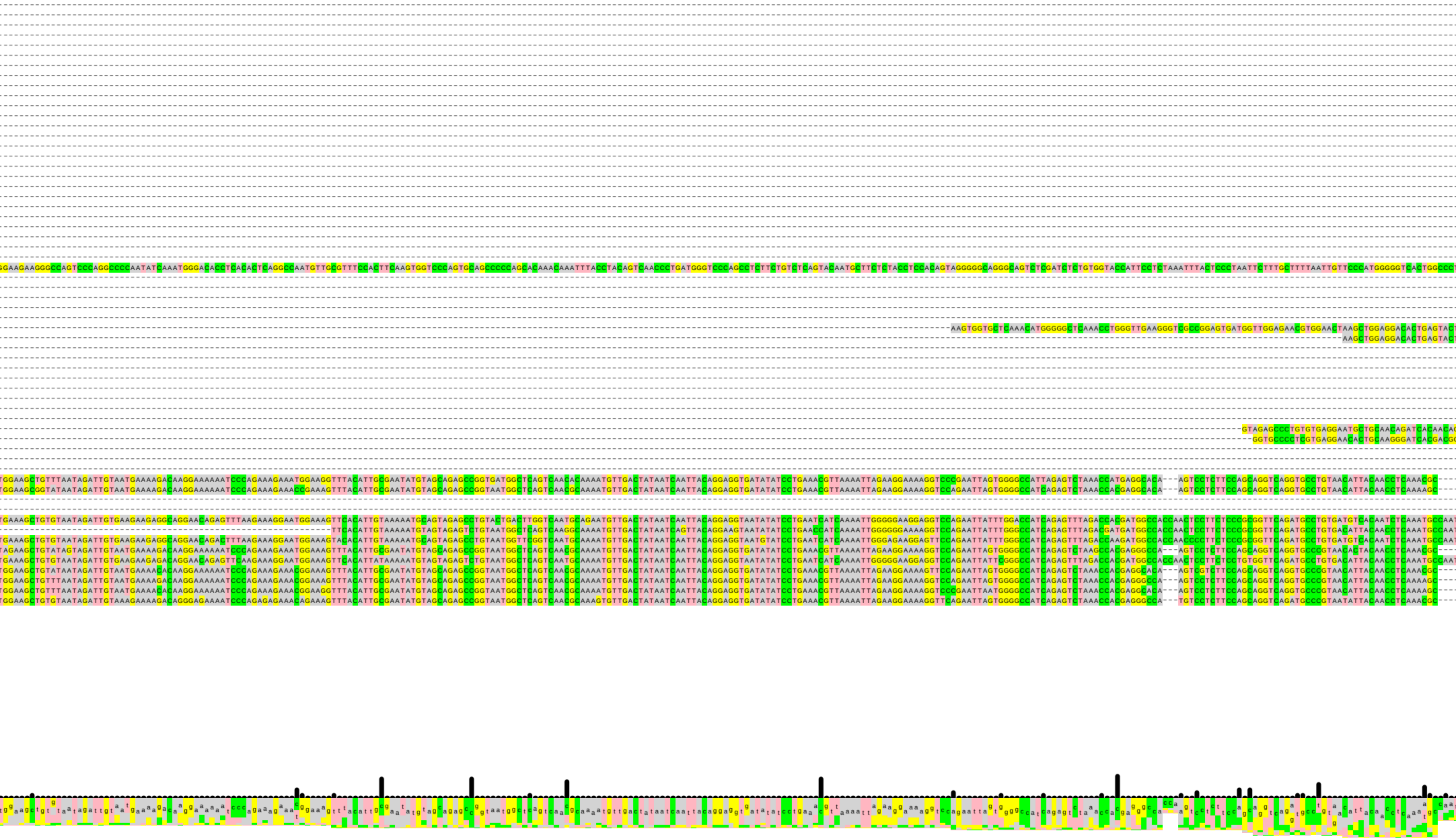
```
TGCTCCCCCGGTGCTCCTTCCTCACACTCTCATACTGGTCCAACCTCCTAAACCTCAGTTTCCCTTATCTACACATACTTTTCCTCTCACTTCTATGCTGACTCTGTCTCATGTGACTGCTCTTGTAACTTCCATGCAATGCTTATTACACCACAACAAAGAAACAAGTGGATTAGAAGTGTGGGCTTATCTAGTCATGCTGGAACCTCCAAATGCTCATGGGGTACAAGTGCGTTGATATGCGCTGCTCAATCTTACCTTTTTAAAAGAATTCCAGGATGCTTGTACTCAGTATAG
```

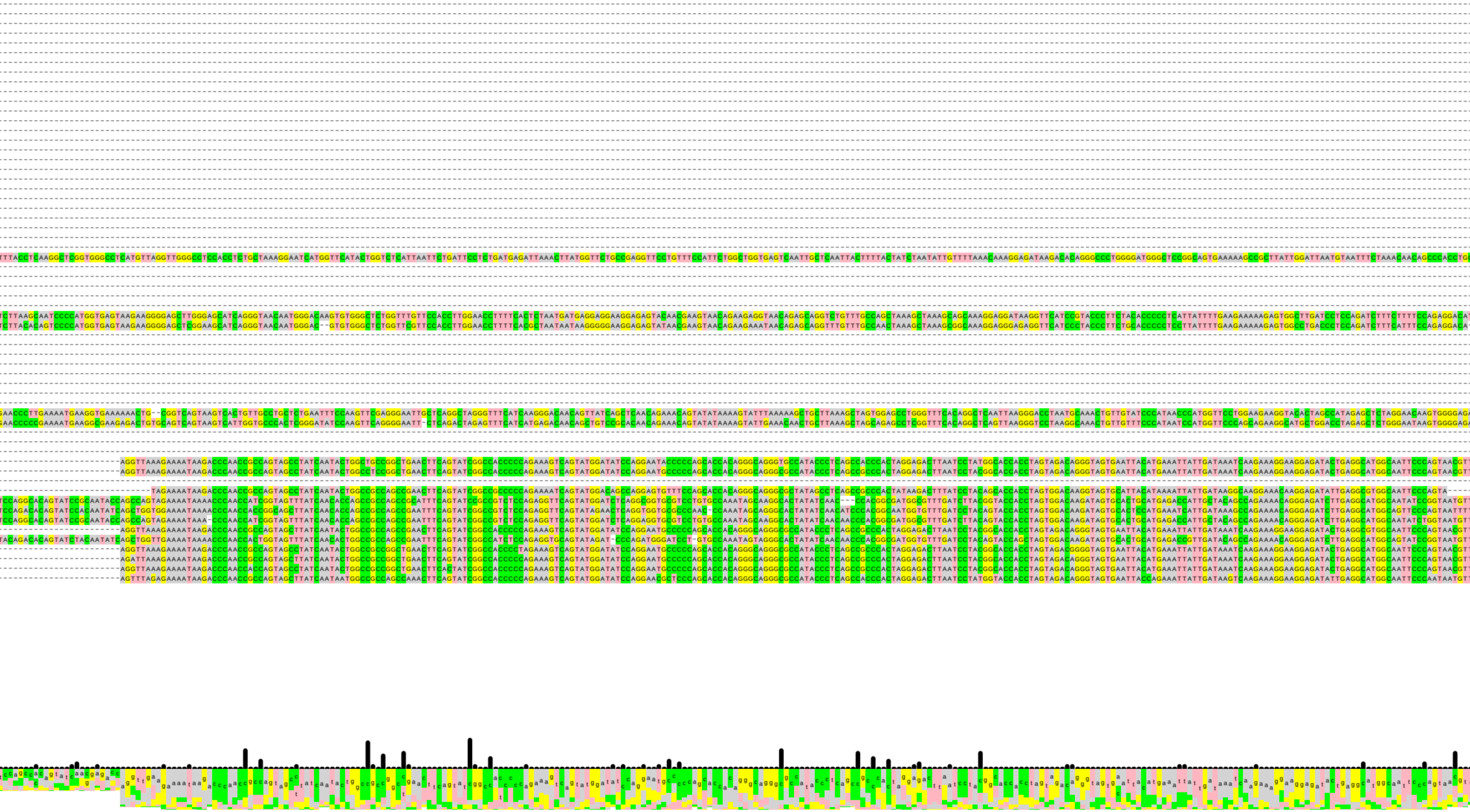


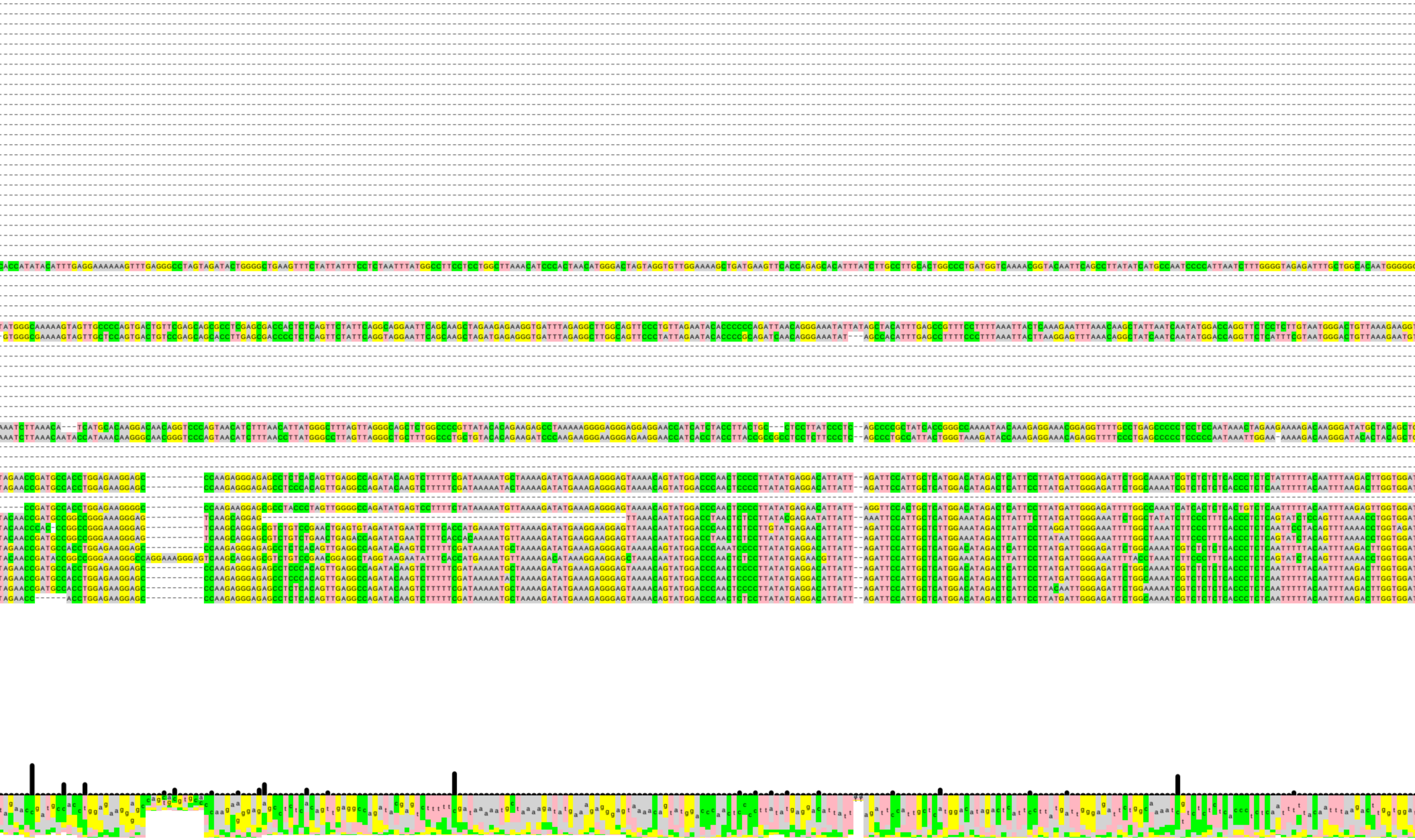
TCCTACTTCTCCATATGTTAAAATGGTATTACAGACTCTTTGTACTGAGGTCATTTTGCTTCCTTTAGACTGGGACCTTTTGGCAAAAGCTGTTCTAACTCCATCTCAGCATTTATAATTCCATACCTGGTGGTCAGAGGAGGCCCATCTGCAGGCTCAGCTAAATCAGGCTGATGGCATTCTAATTAGGCTCAGCTCACAGGCTCCAATAATTATTCTGACACTACCGCACGATTAGGCTTTGATACTCTCAGCACAGAACAAGTAACAGAGGT

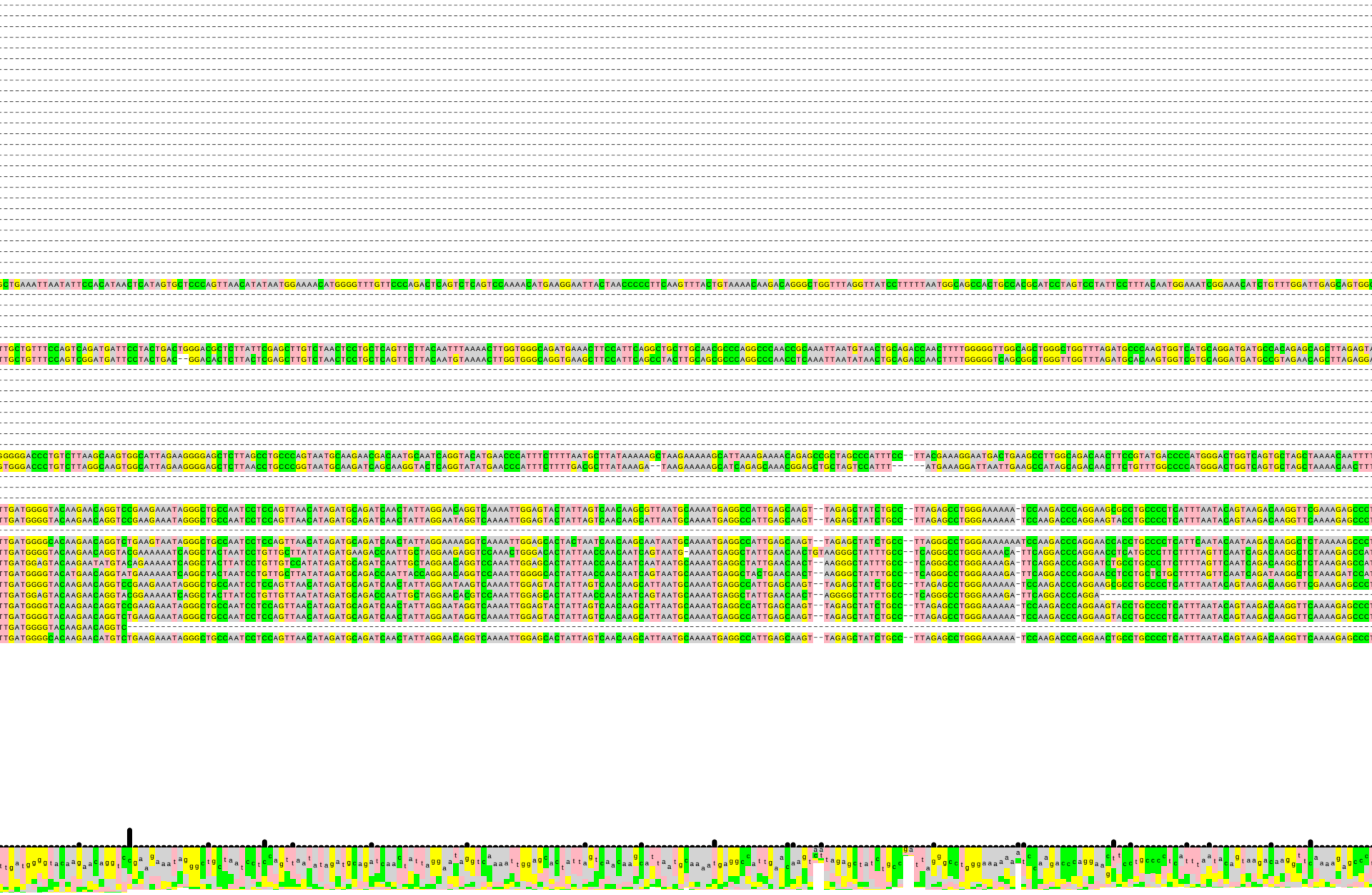


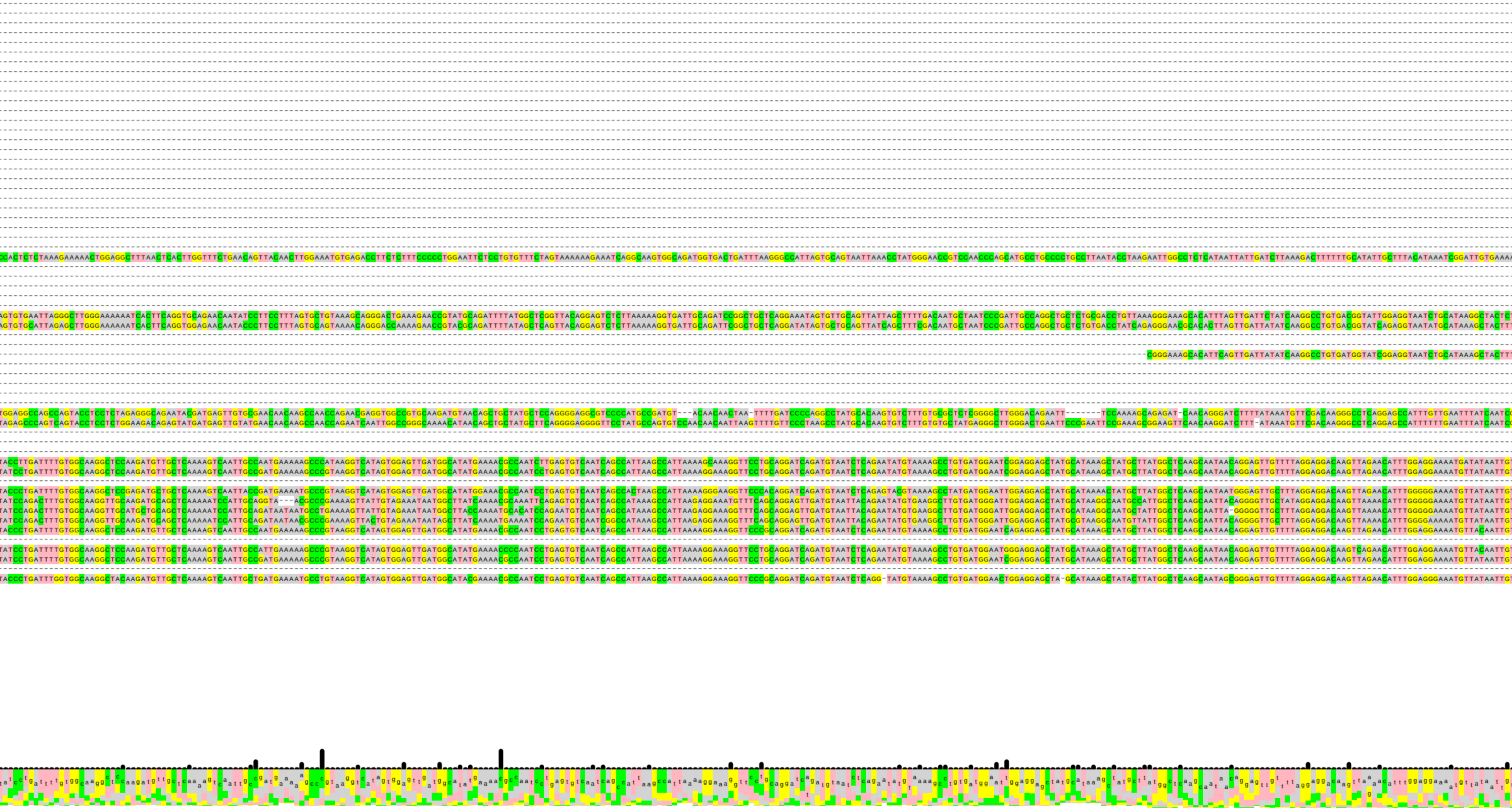


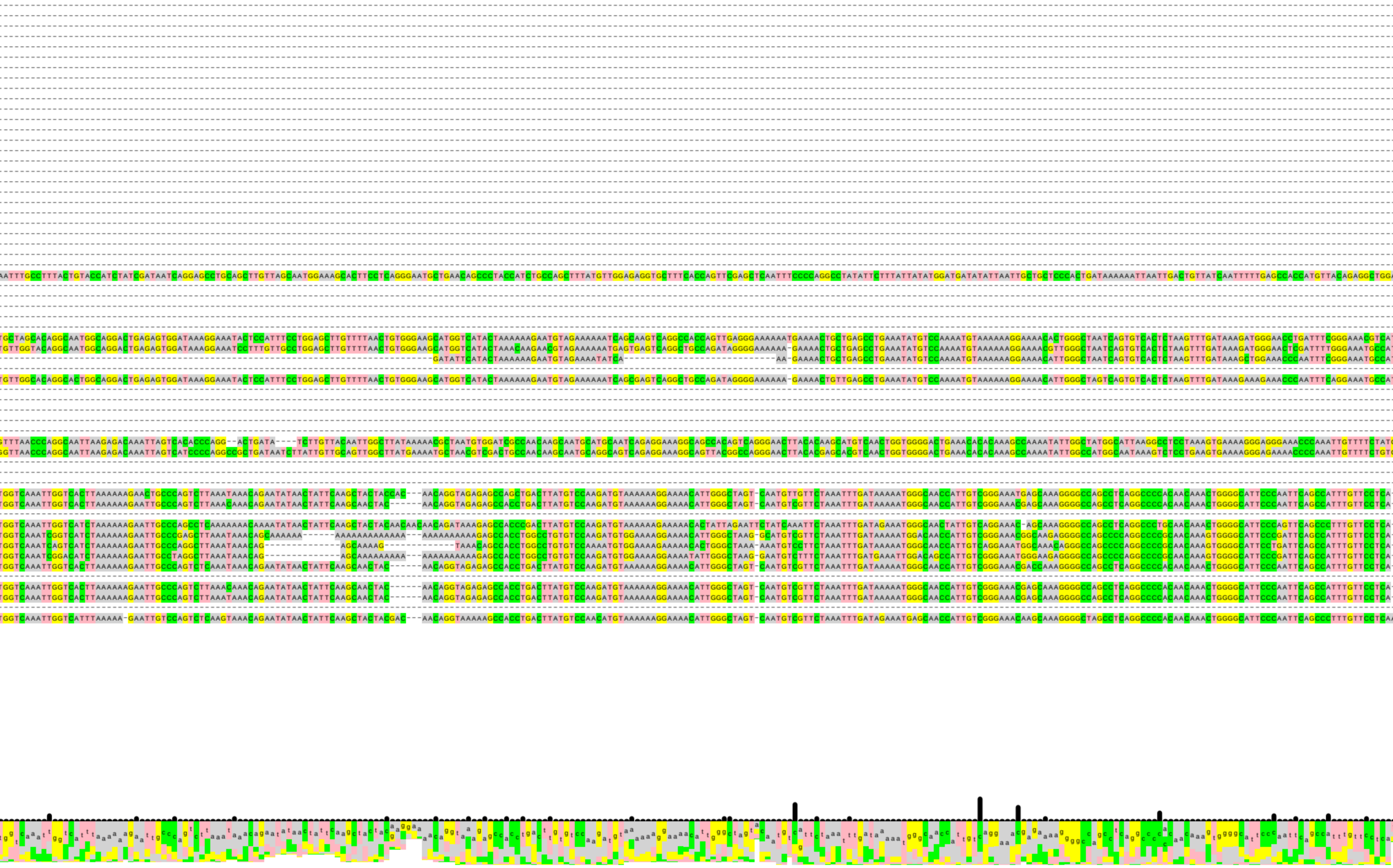


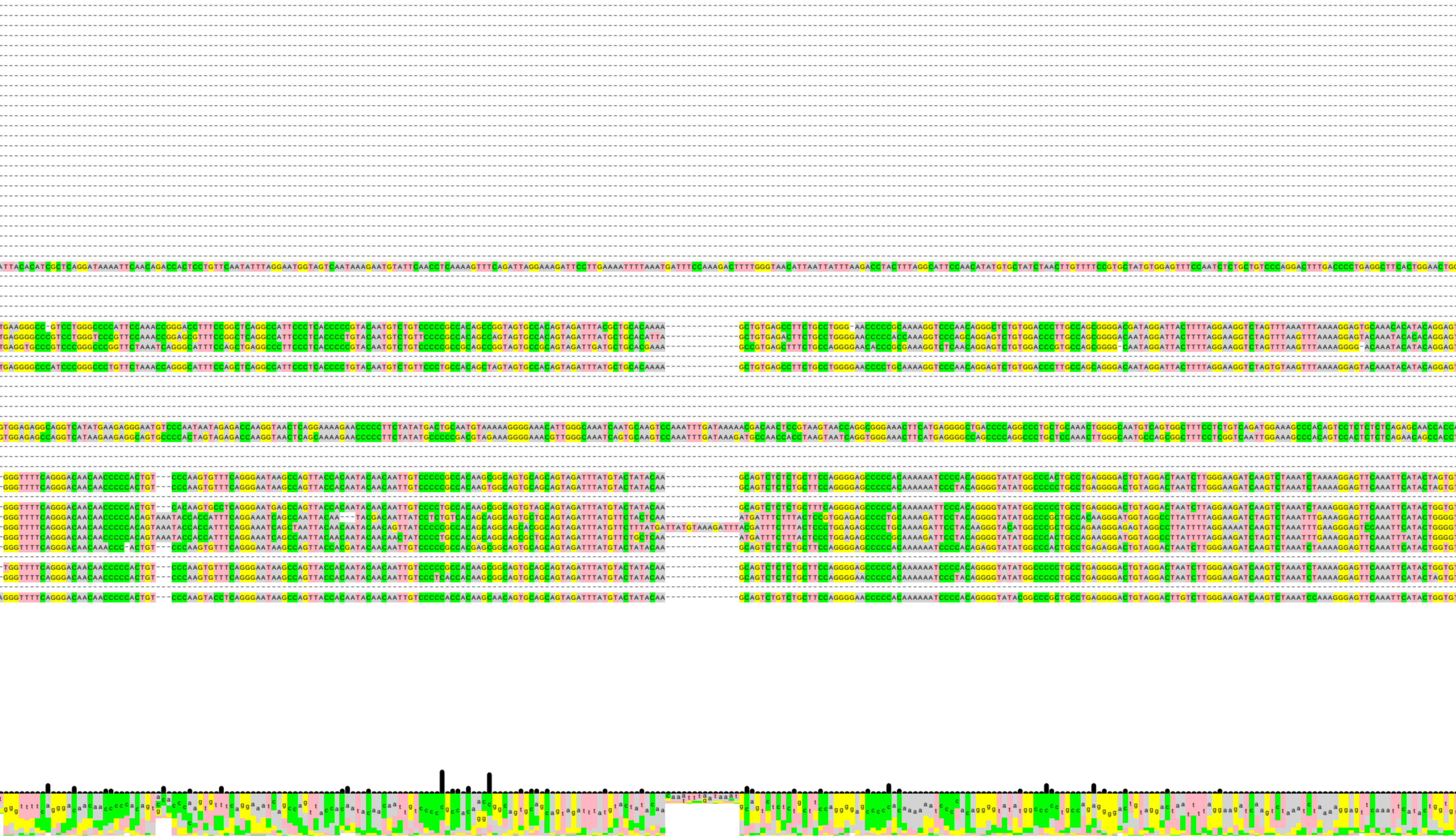


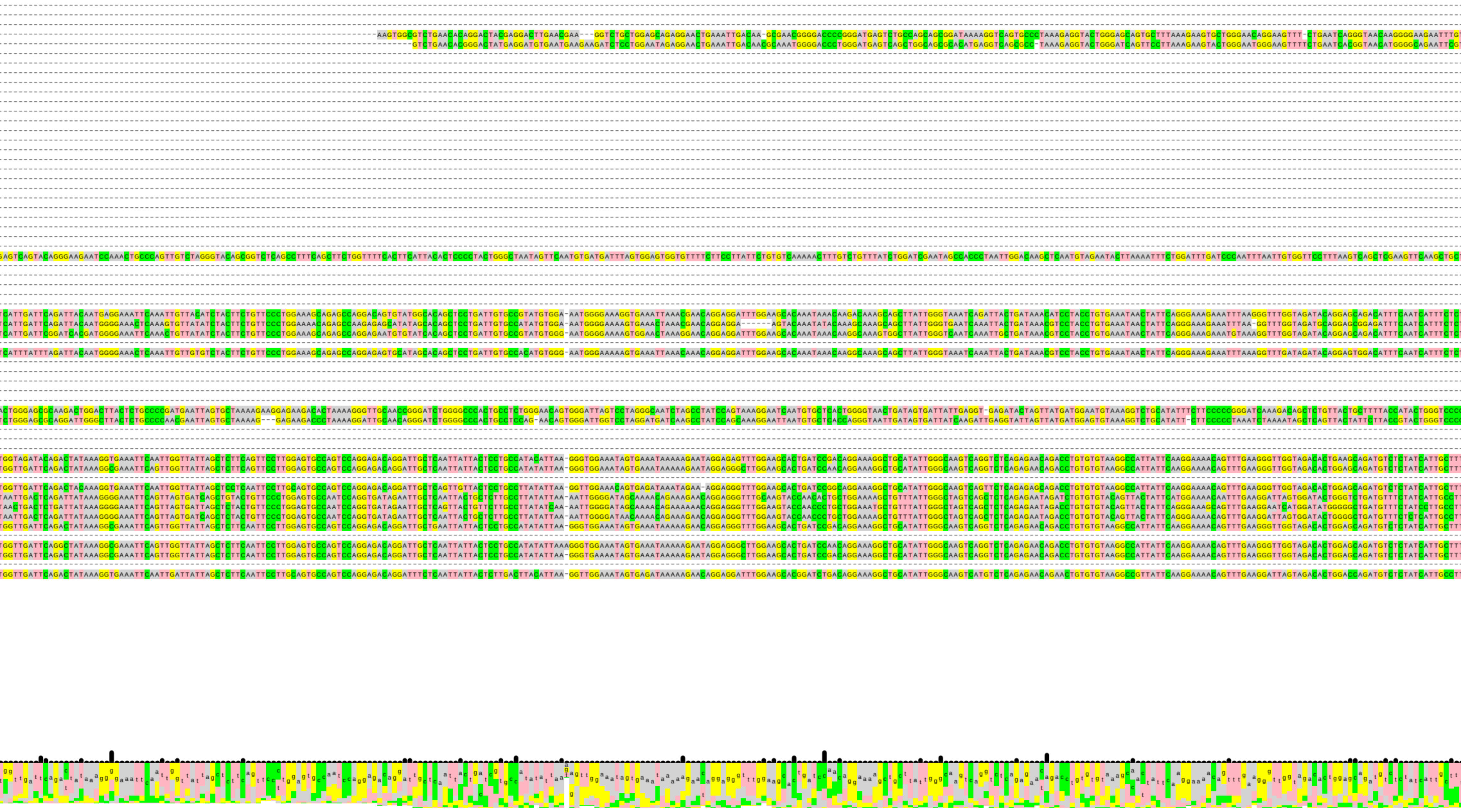


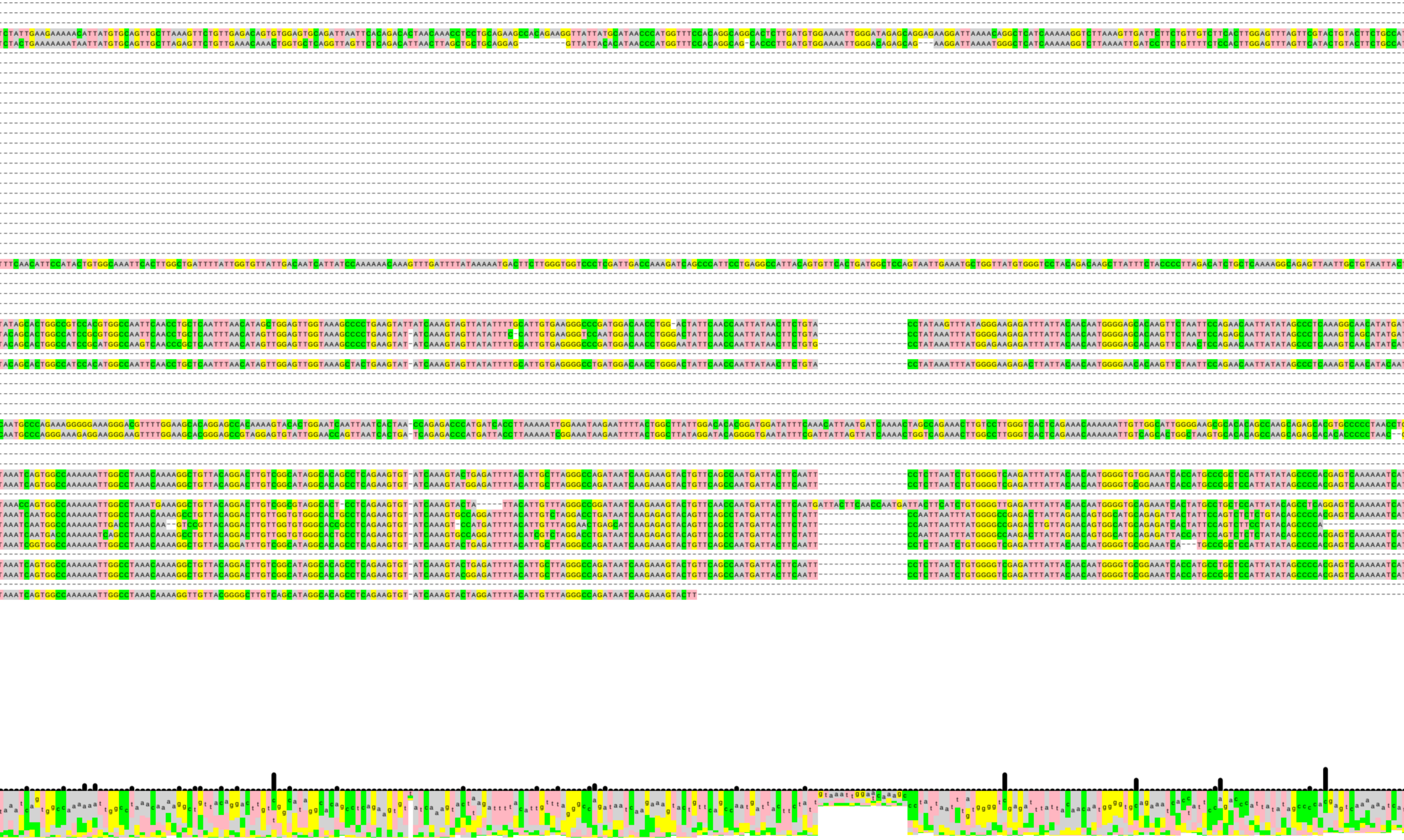


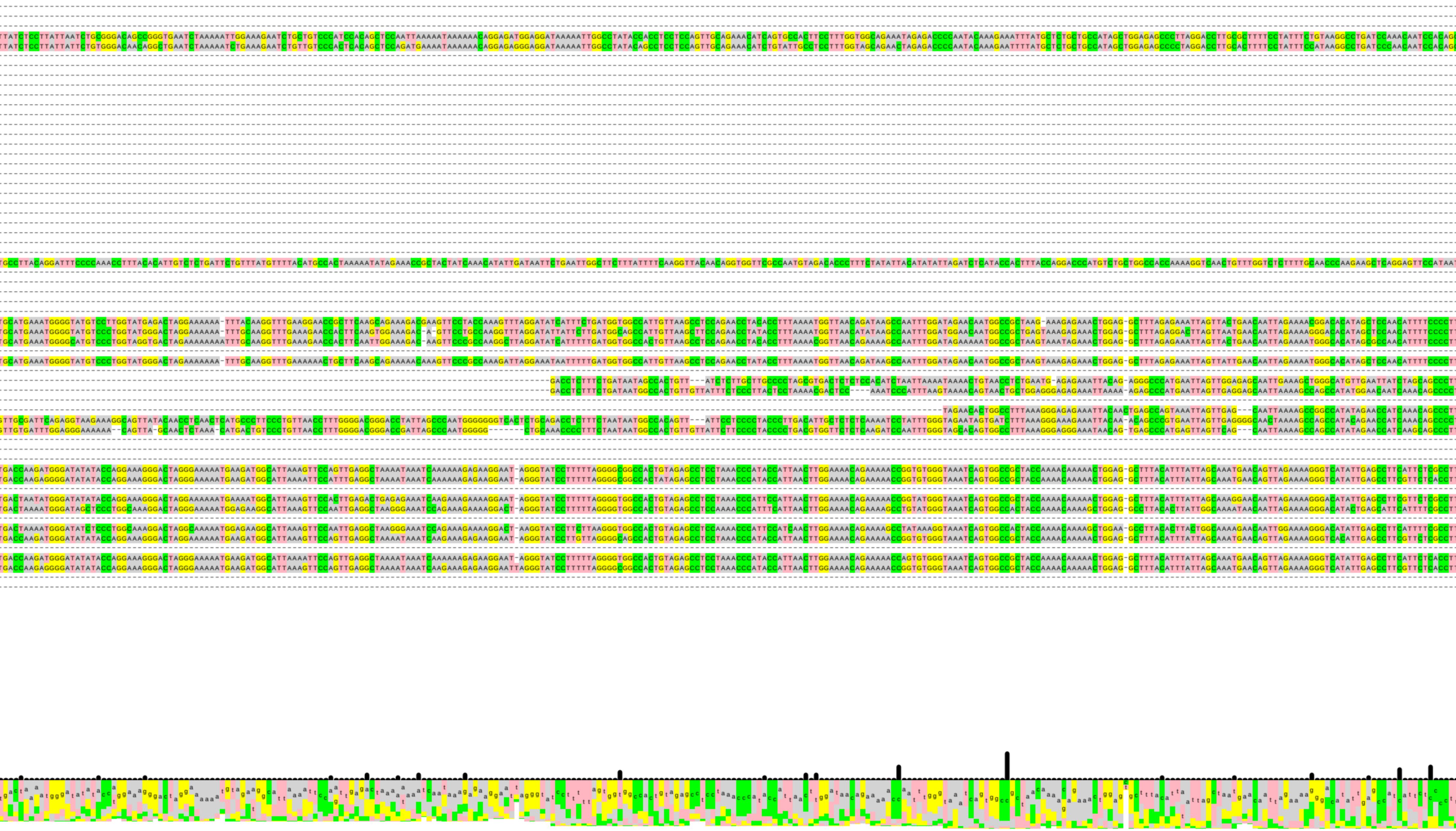


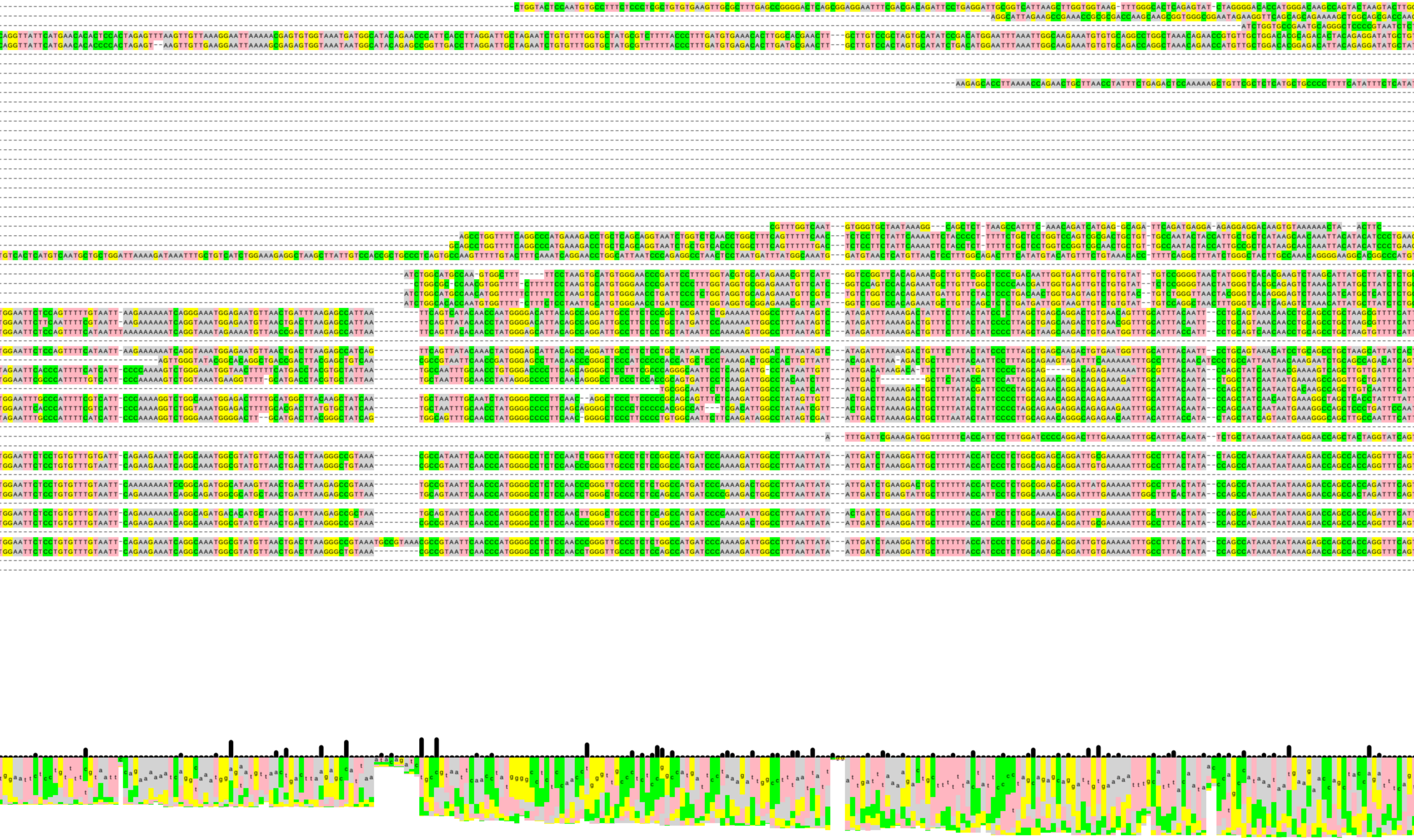


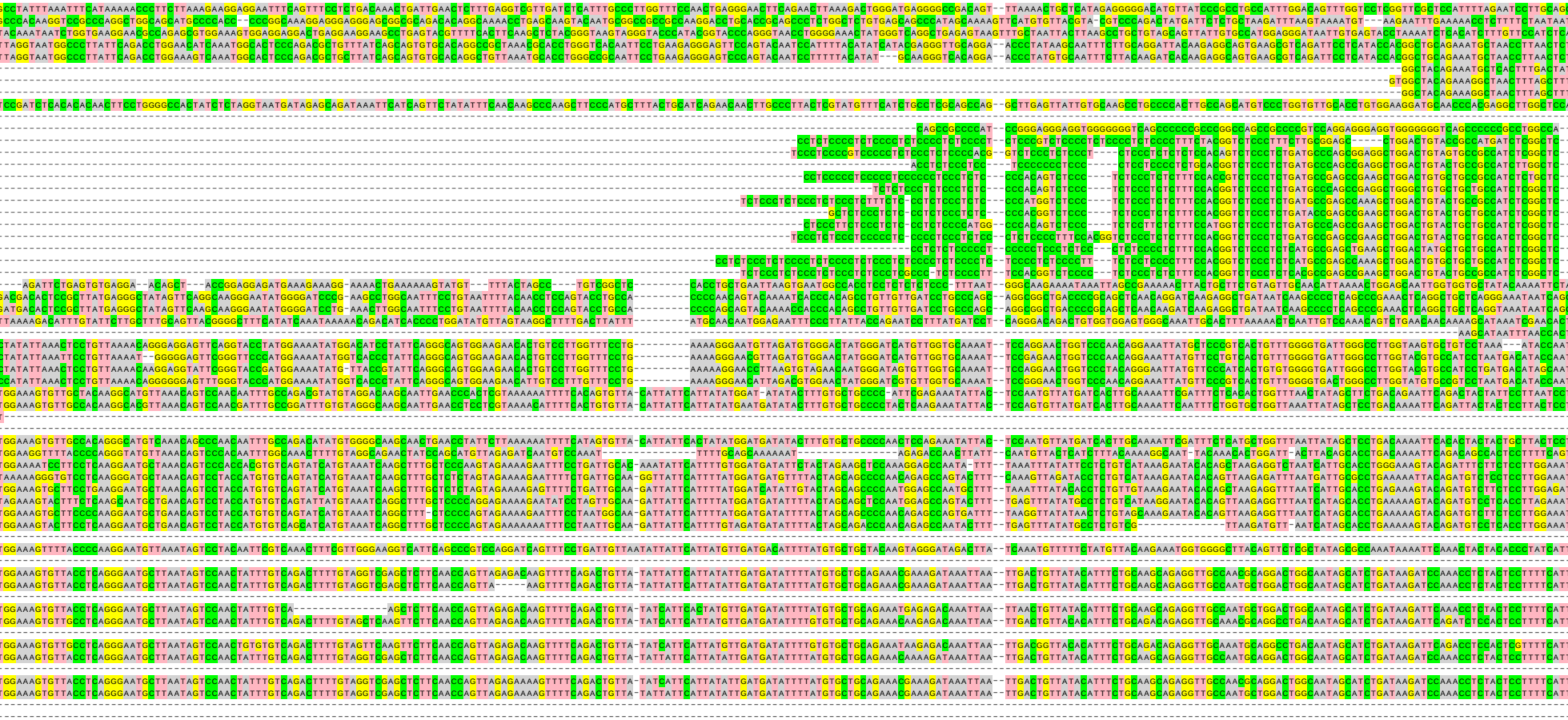


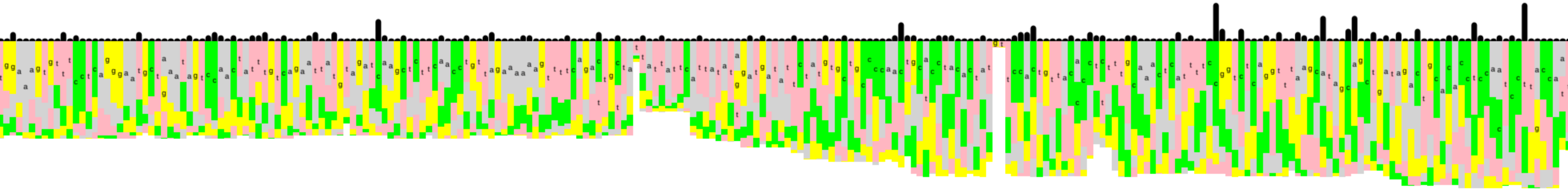


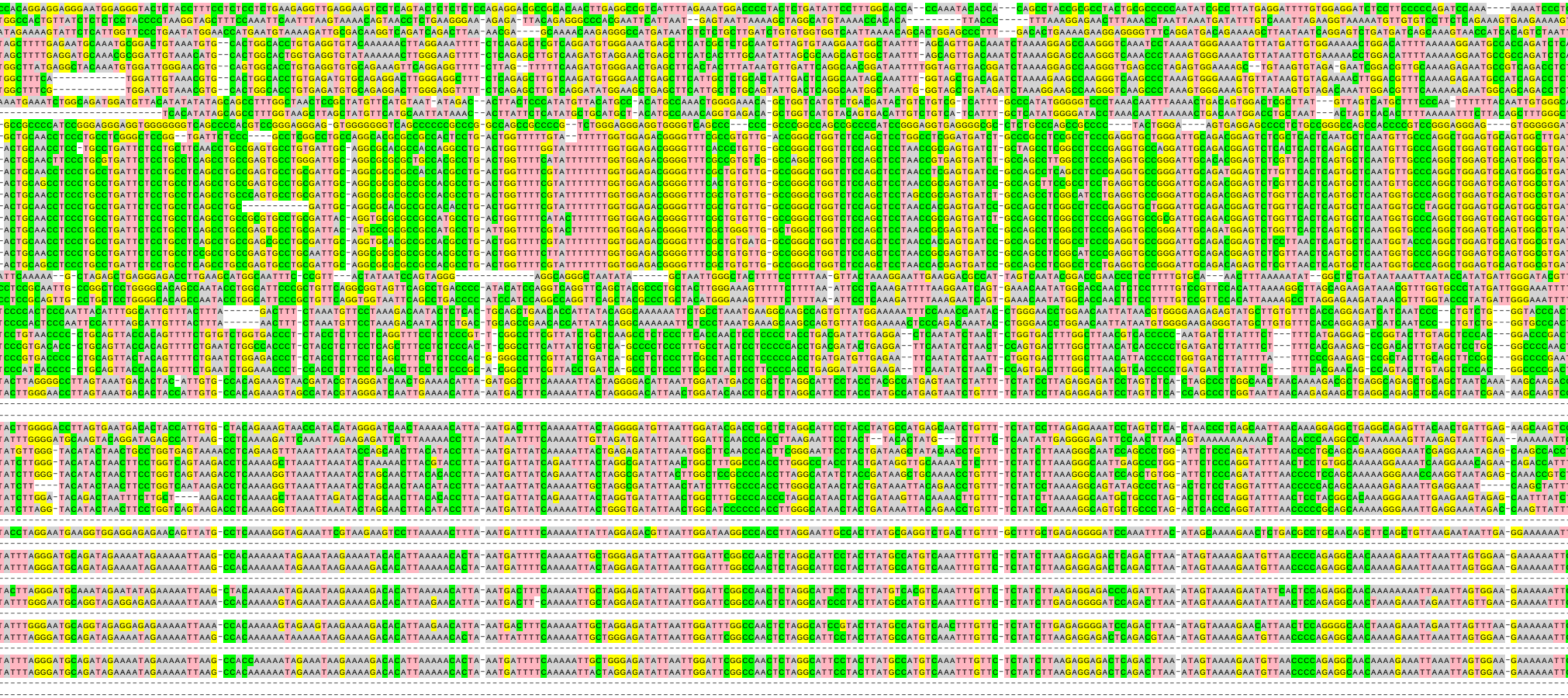


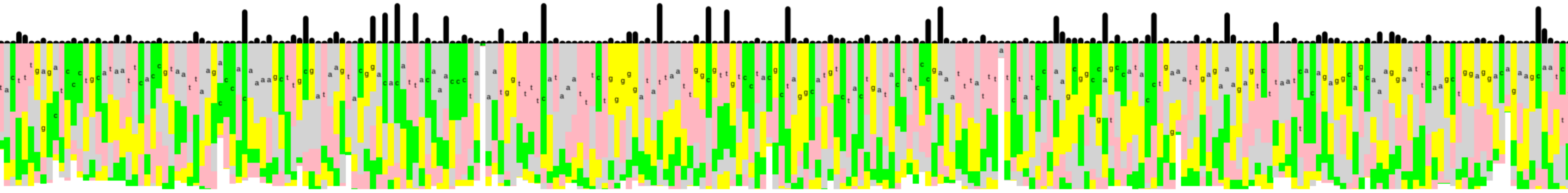




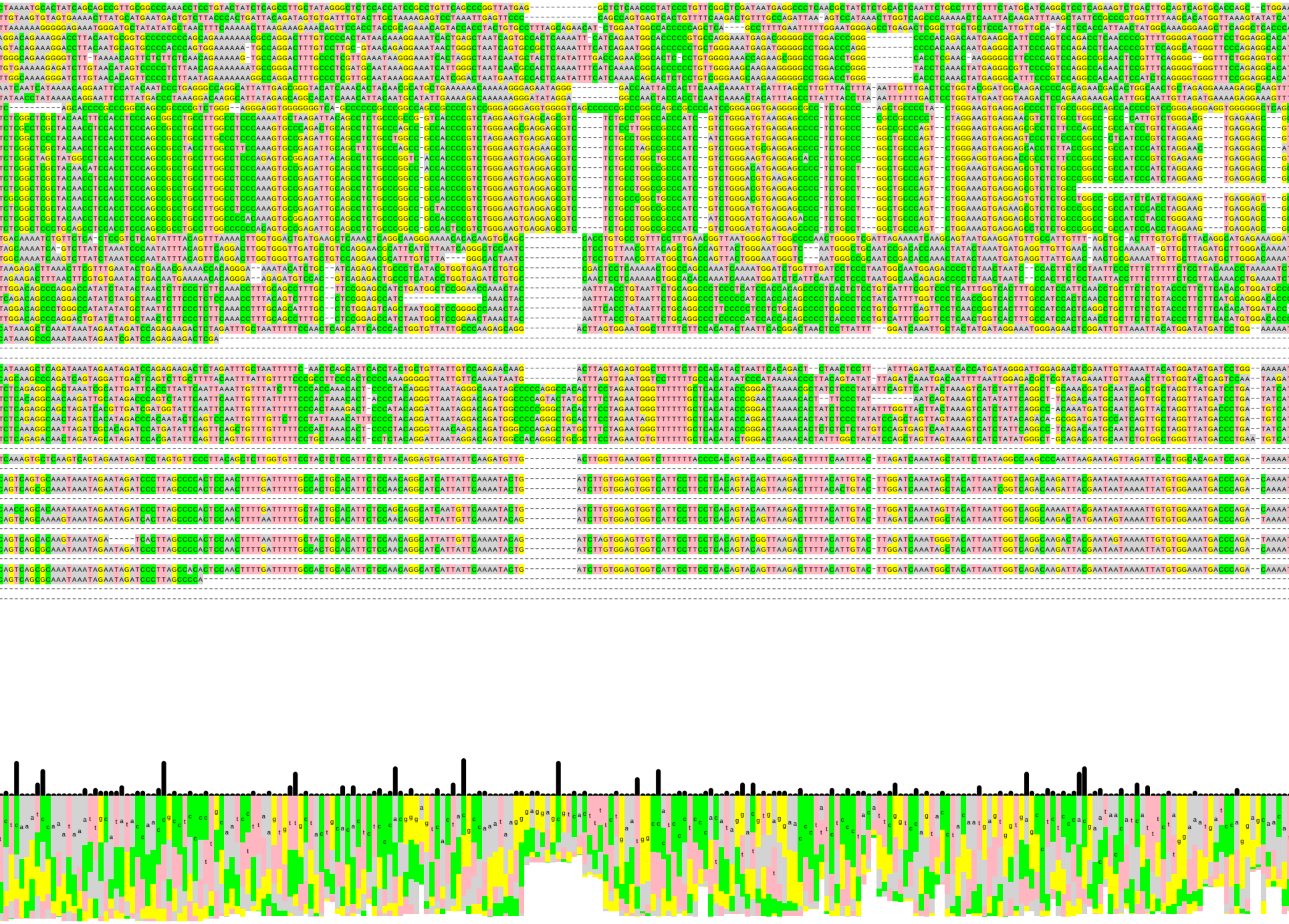




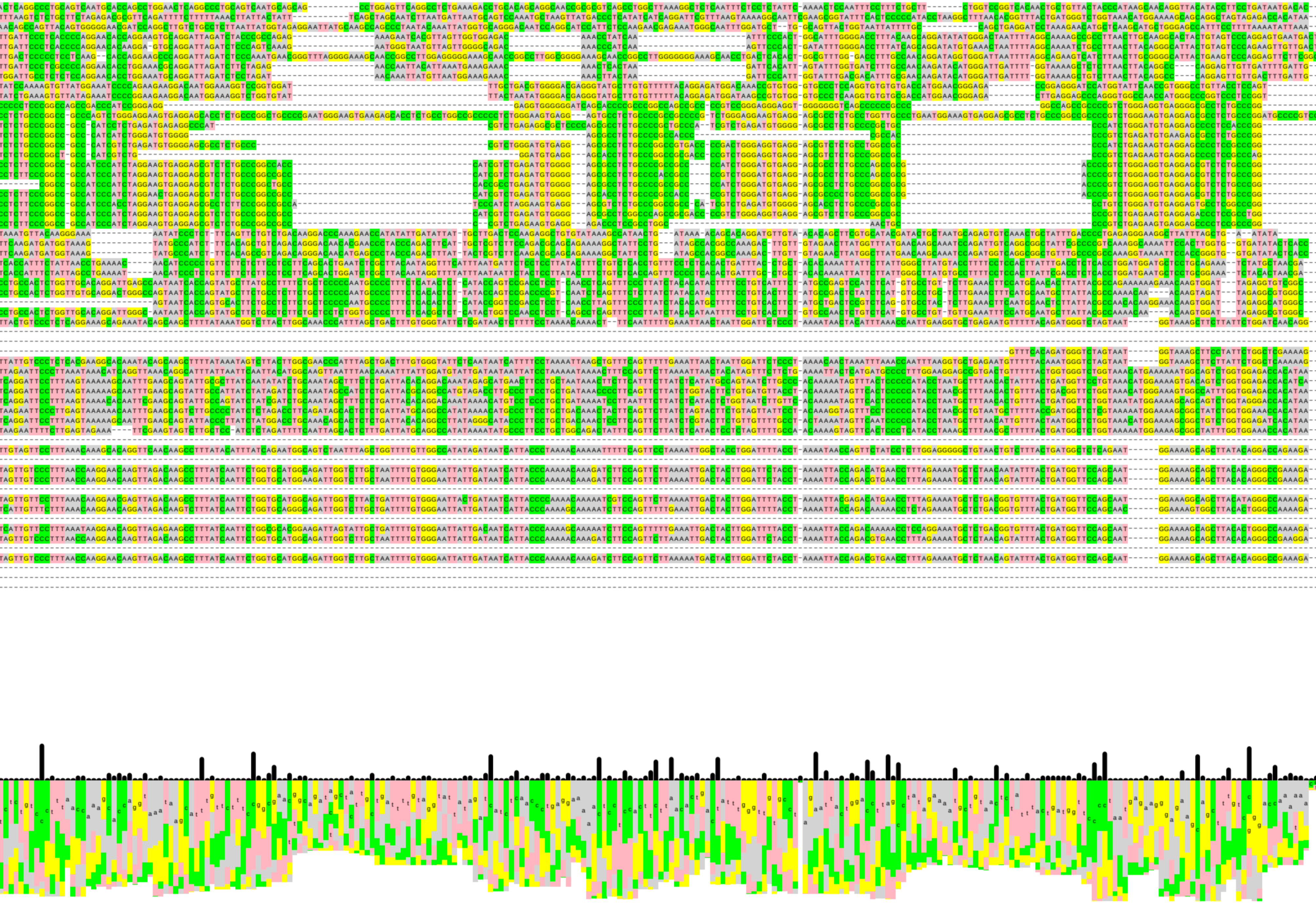




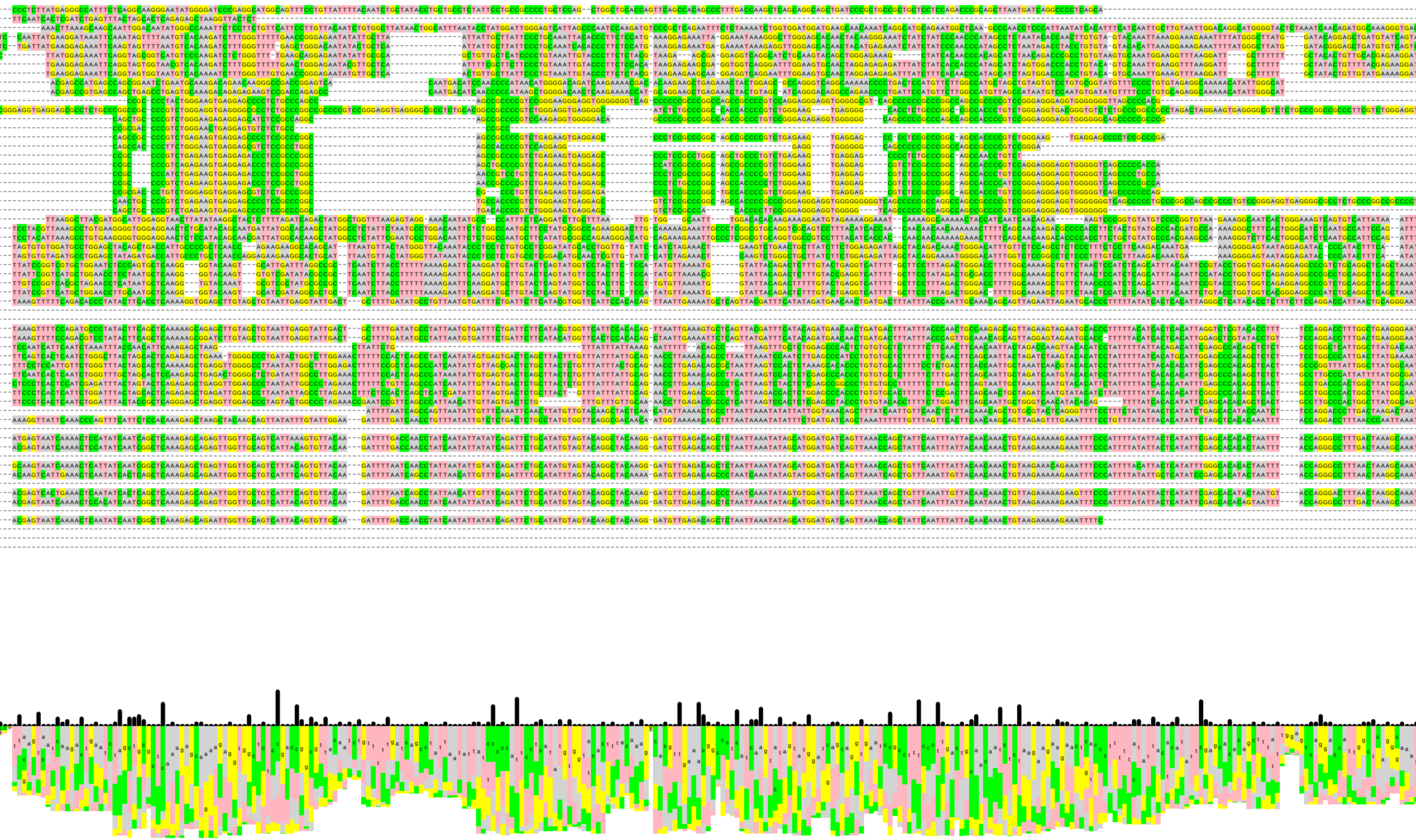
alignment, C

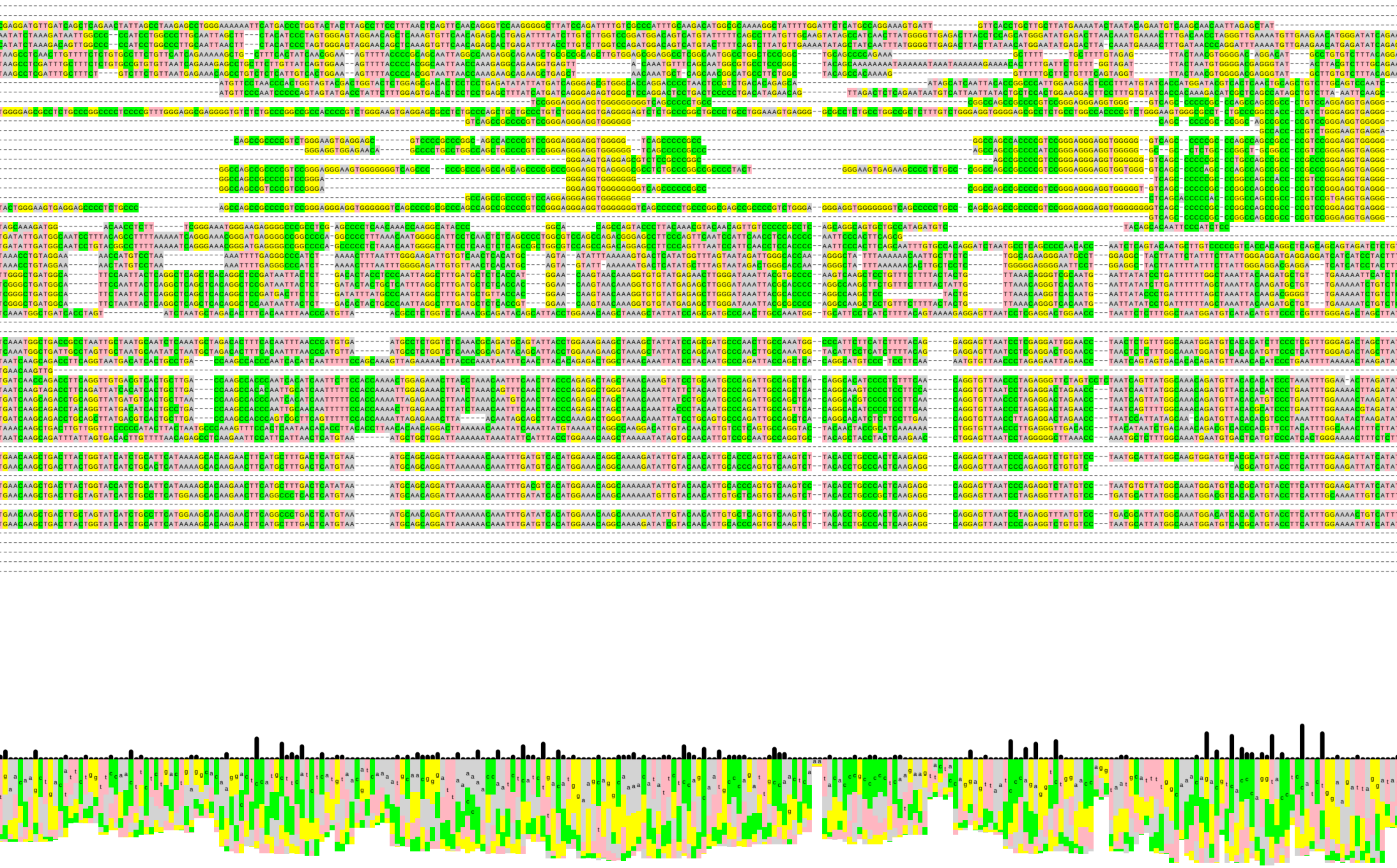


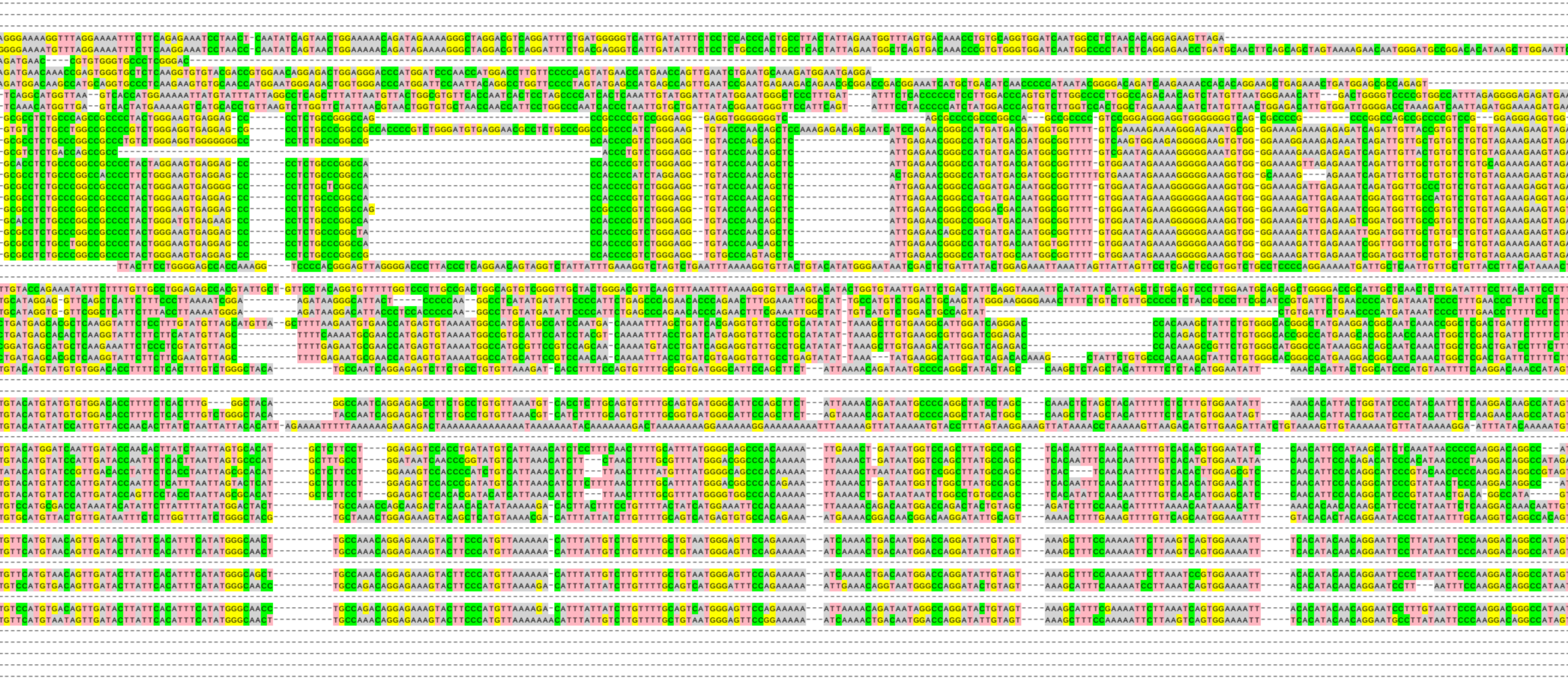
G content and conservati

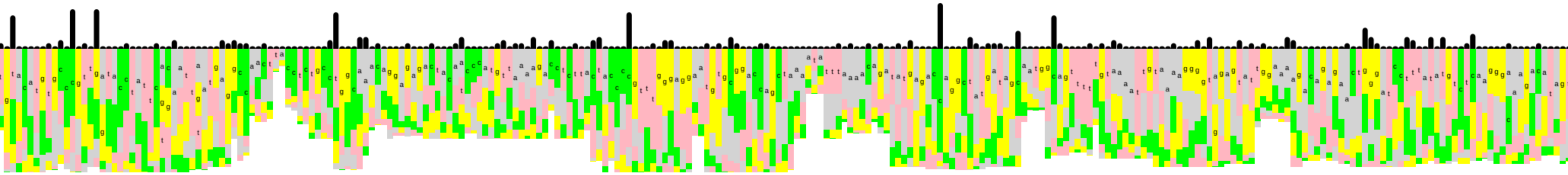


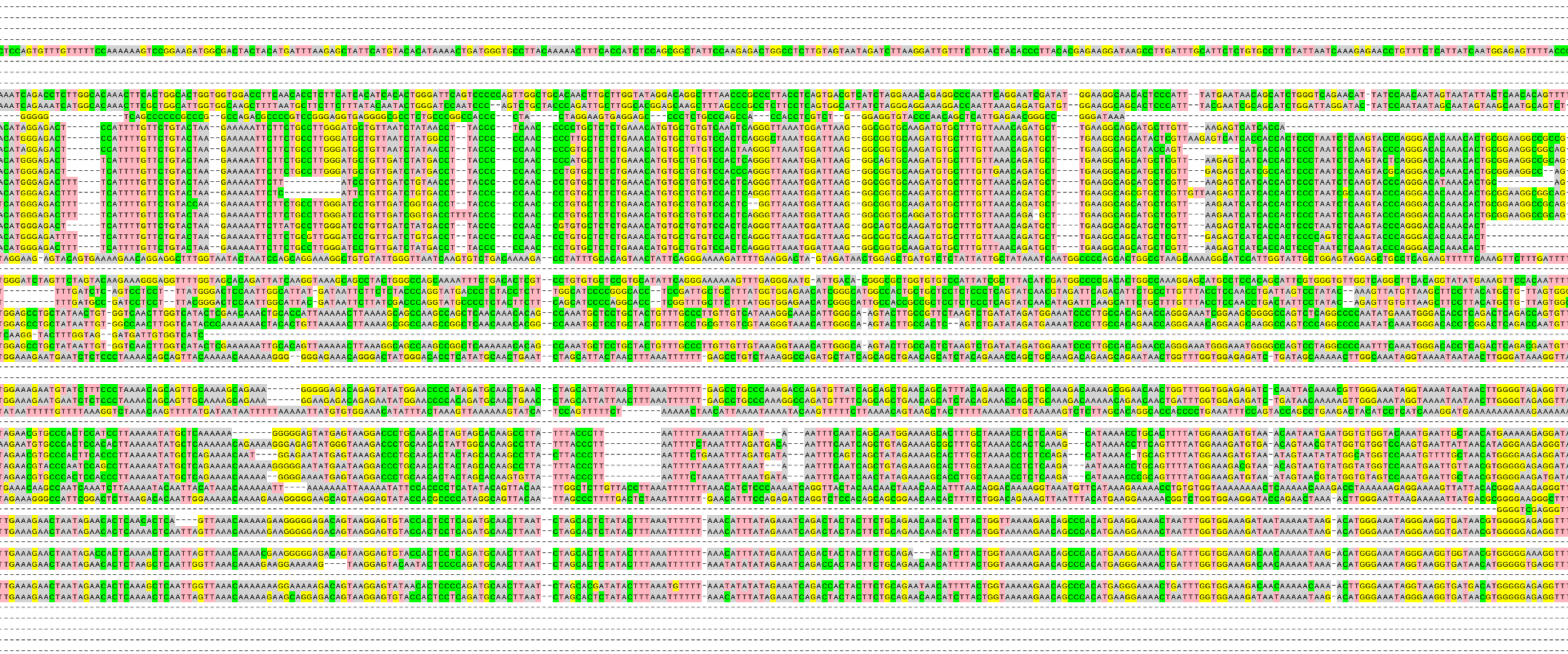
on of a random 60 ERVK(s)

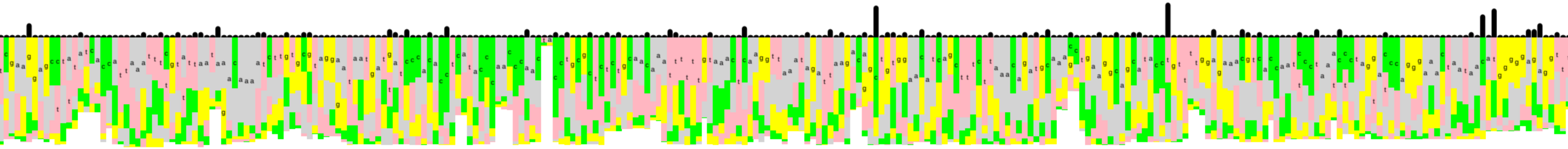


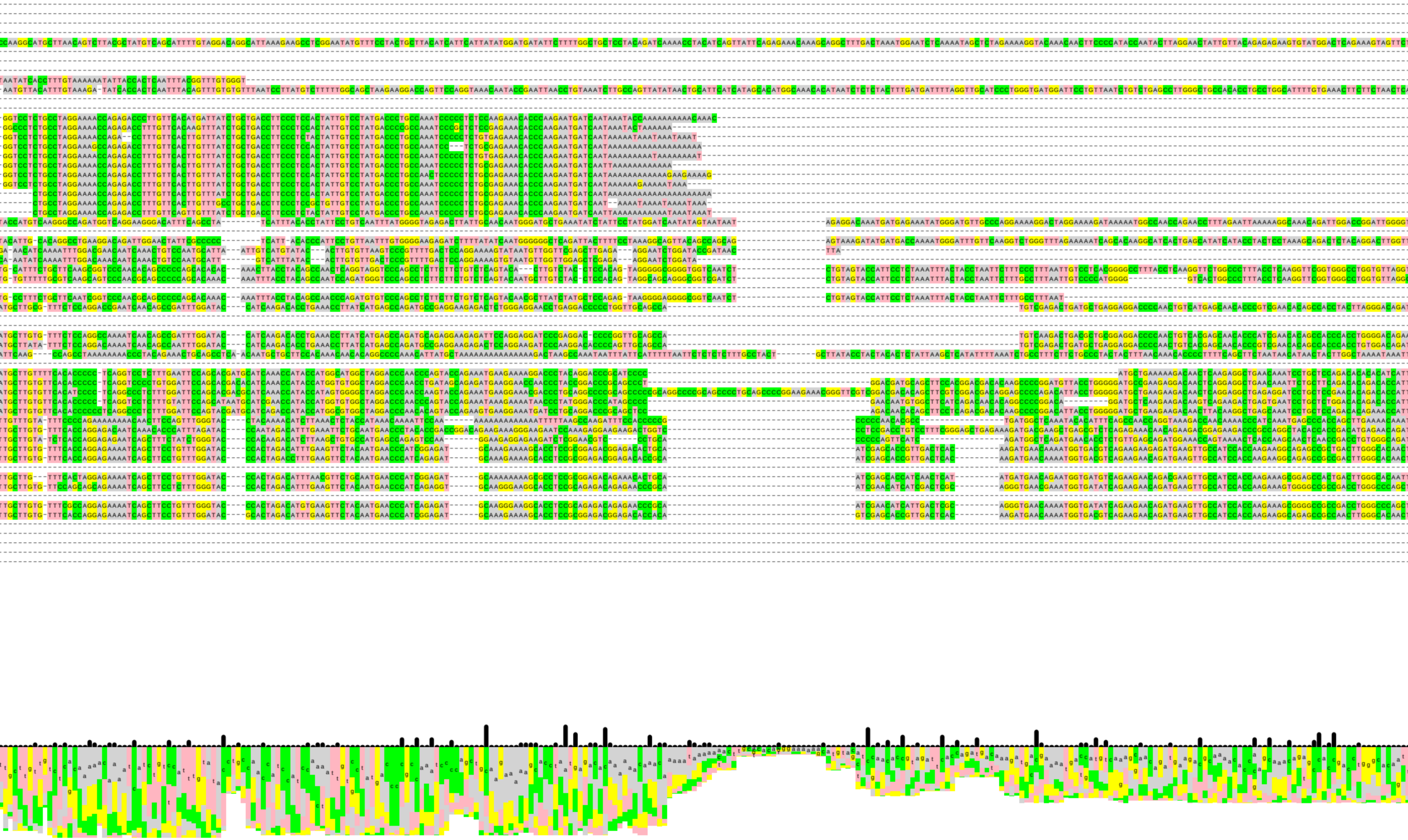


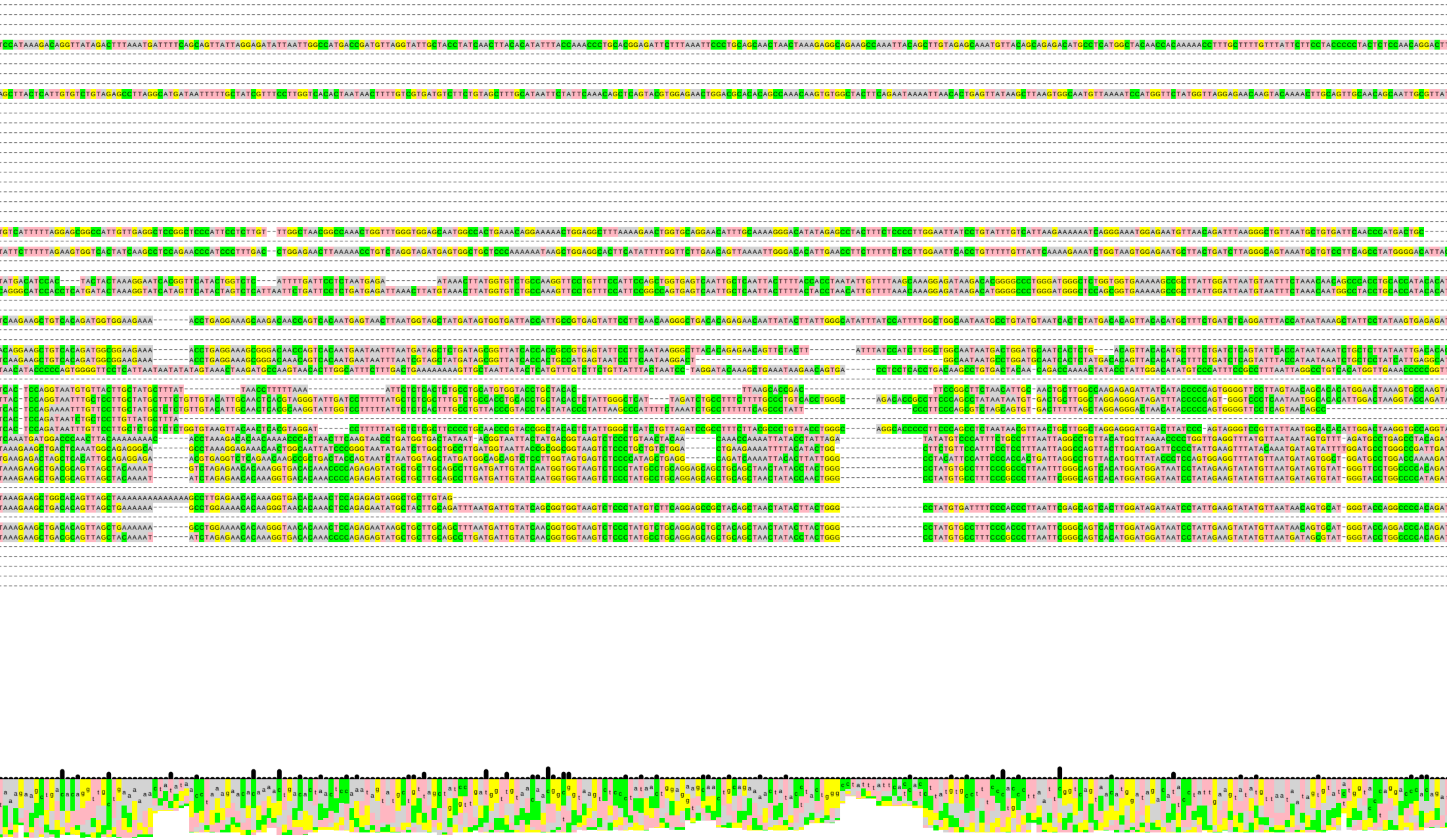


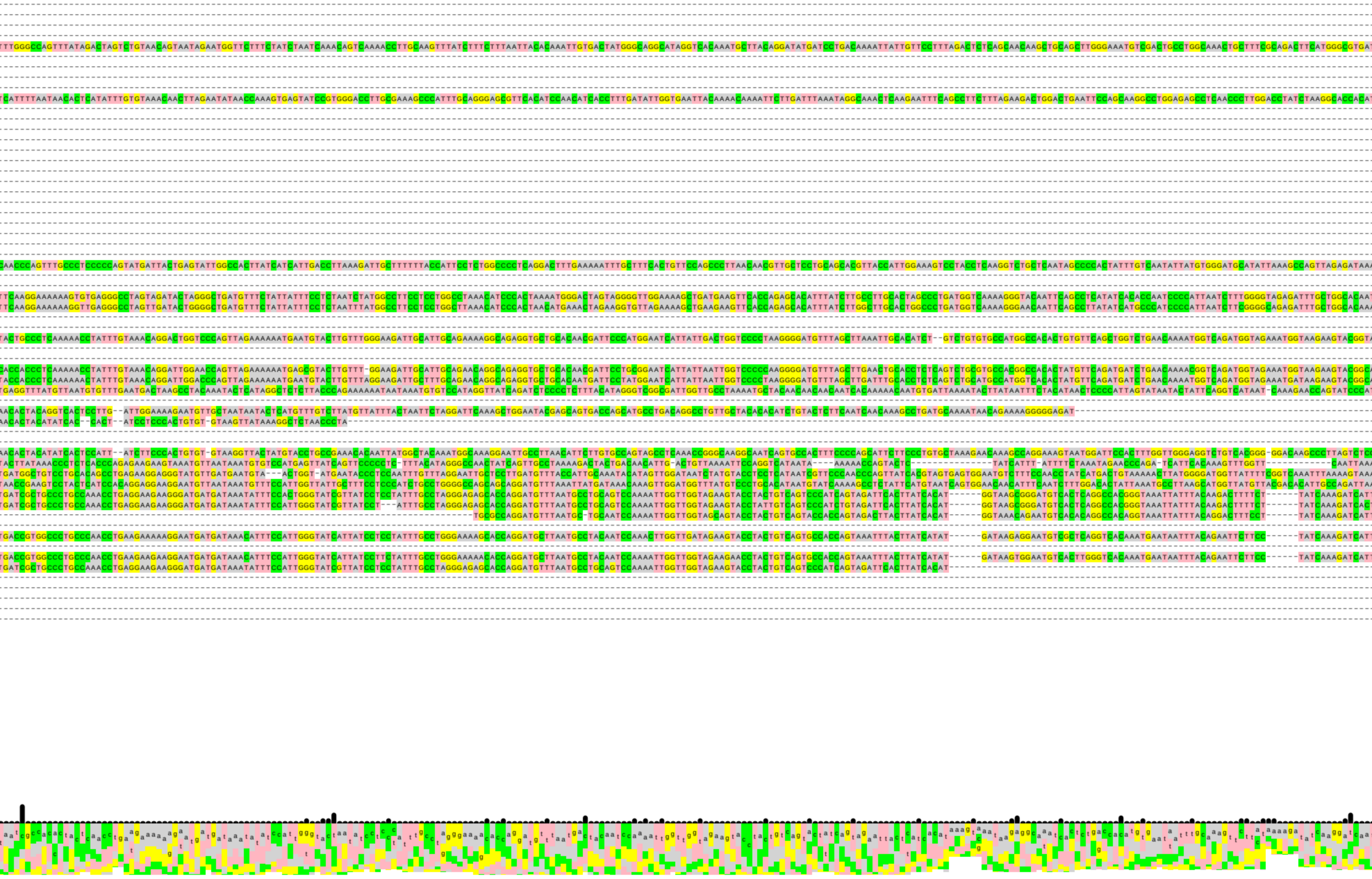


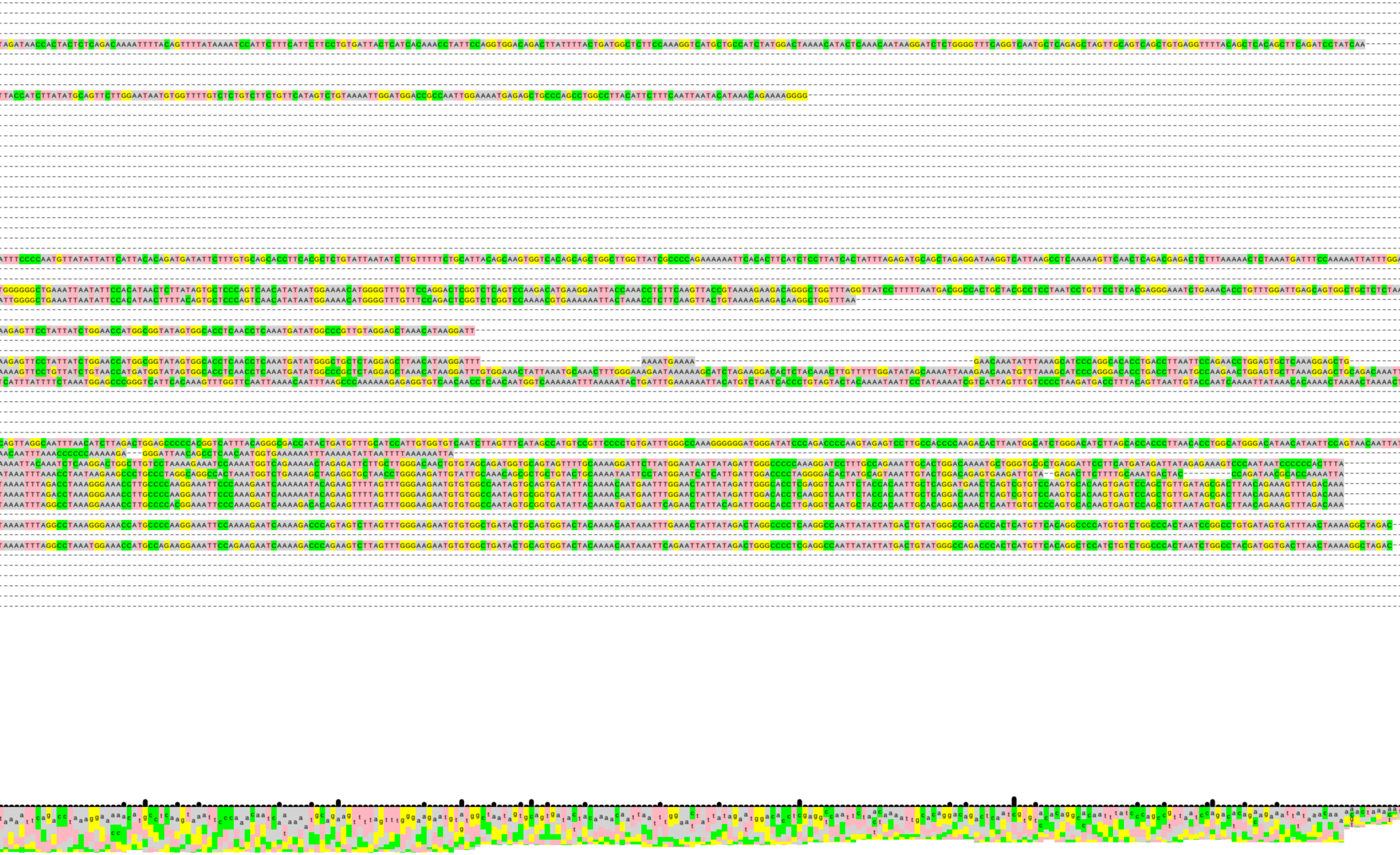


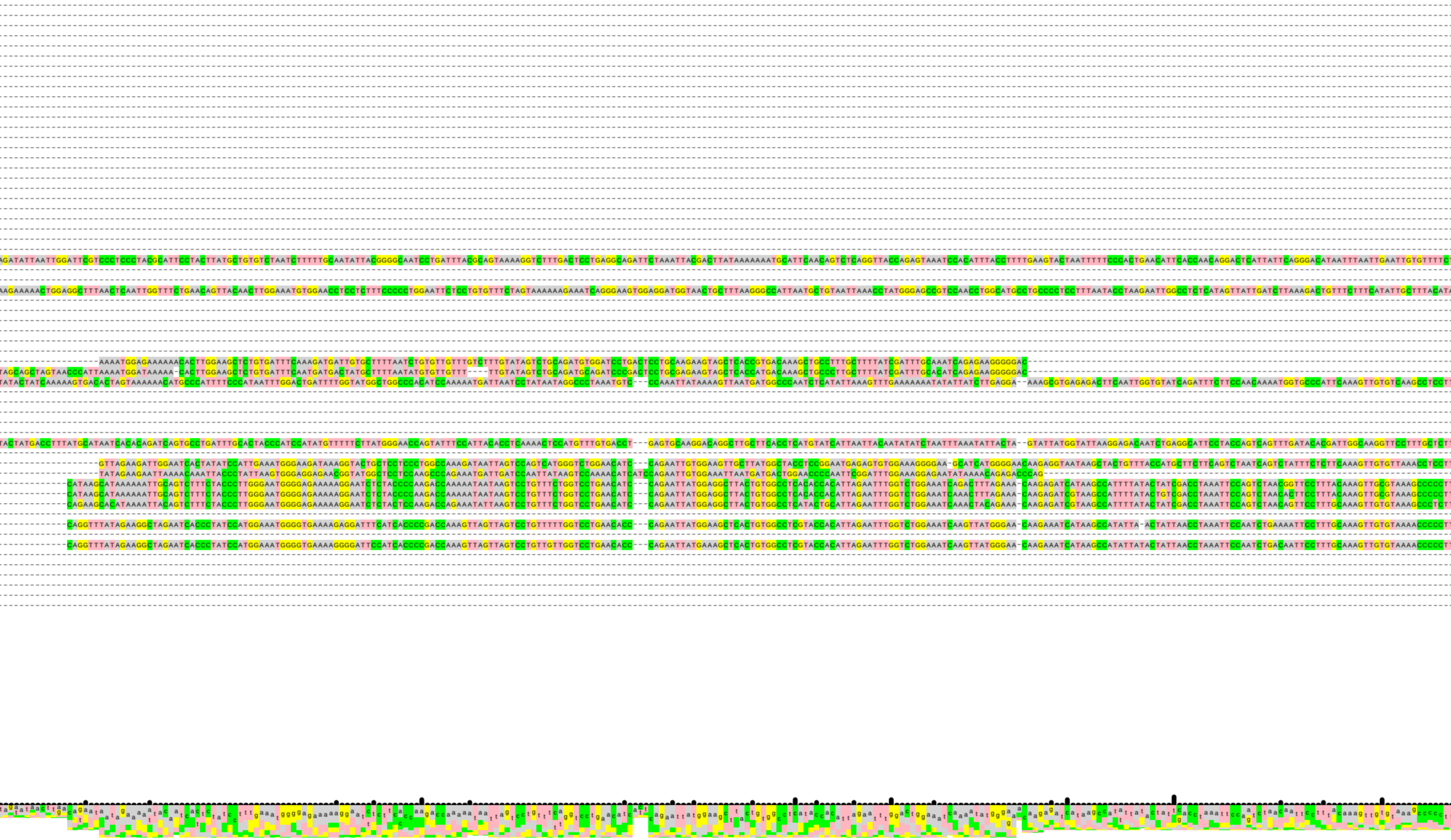


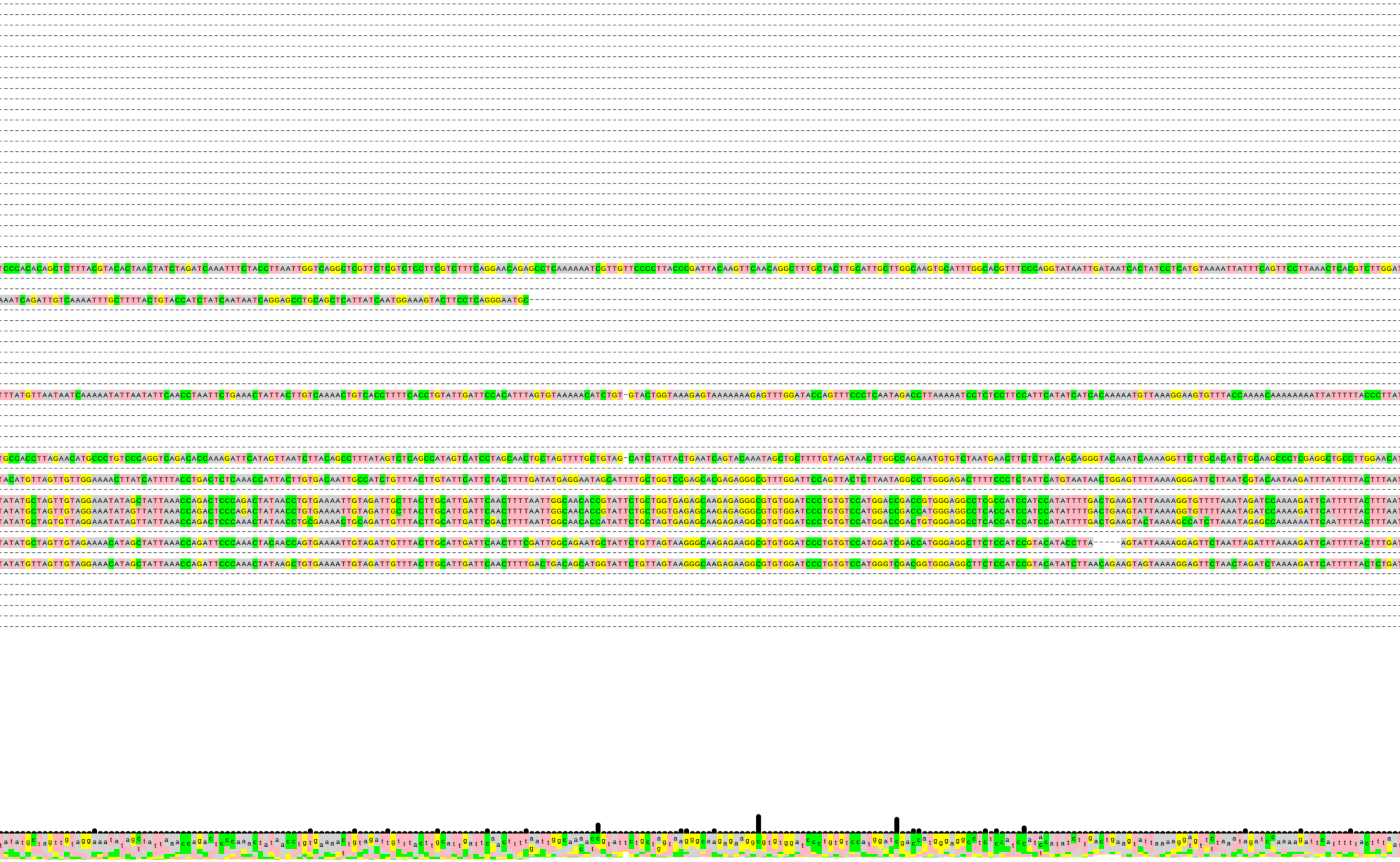


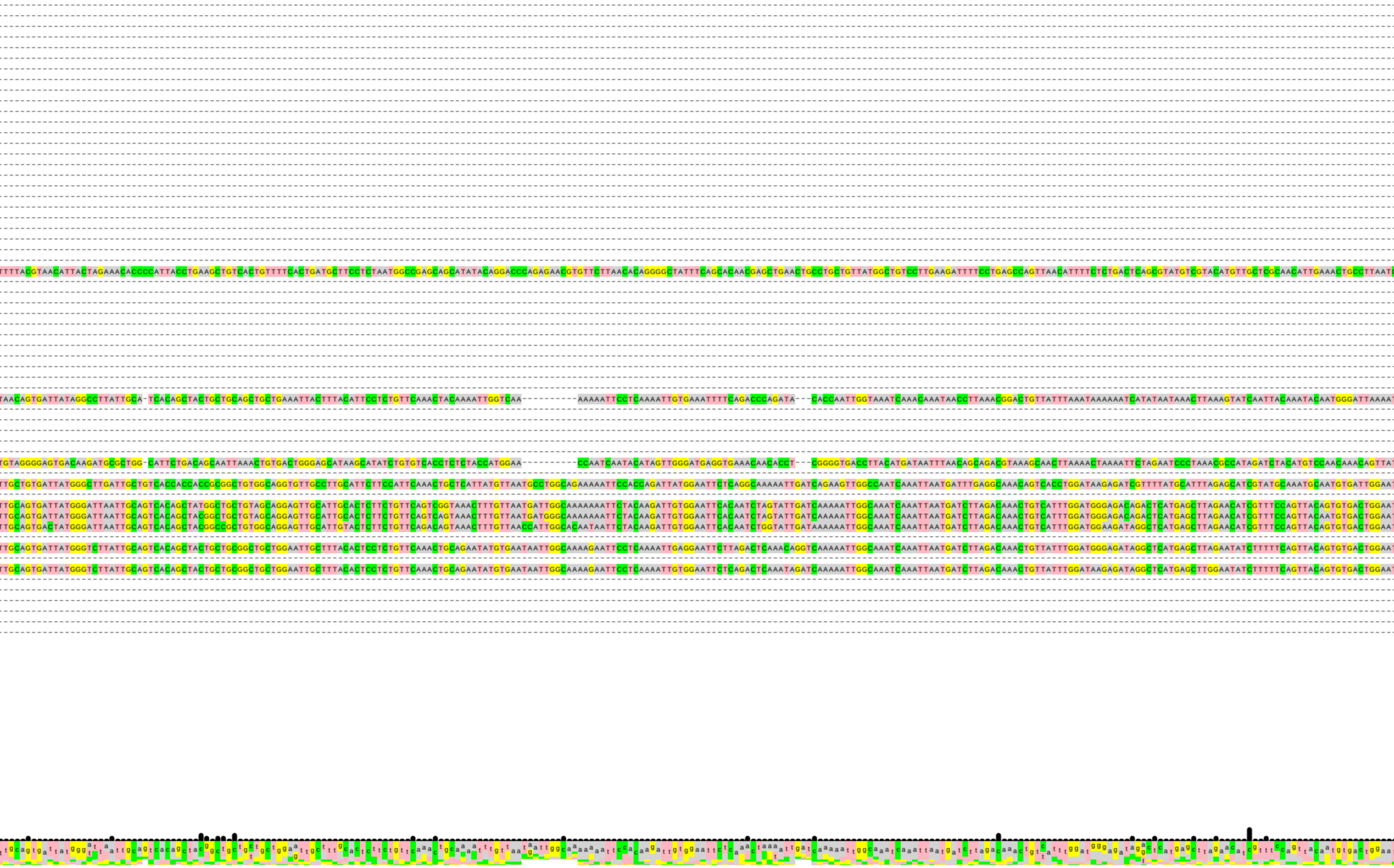


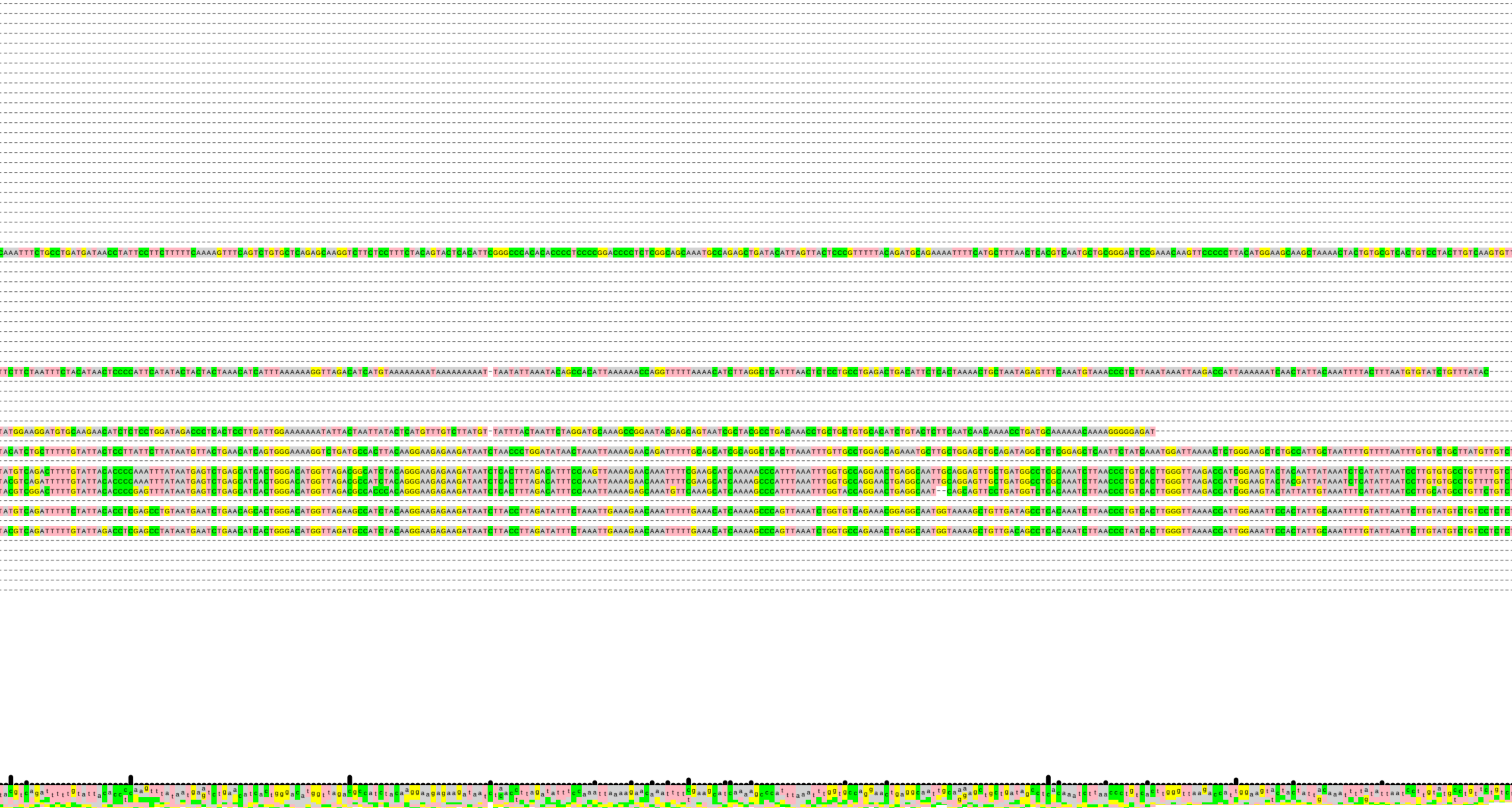


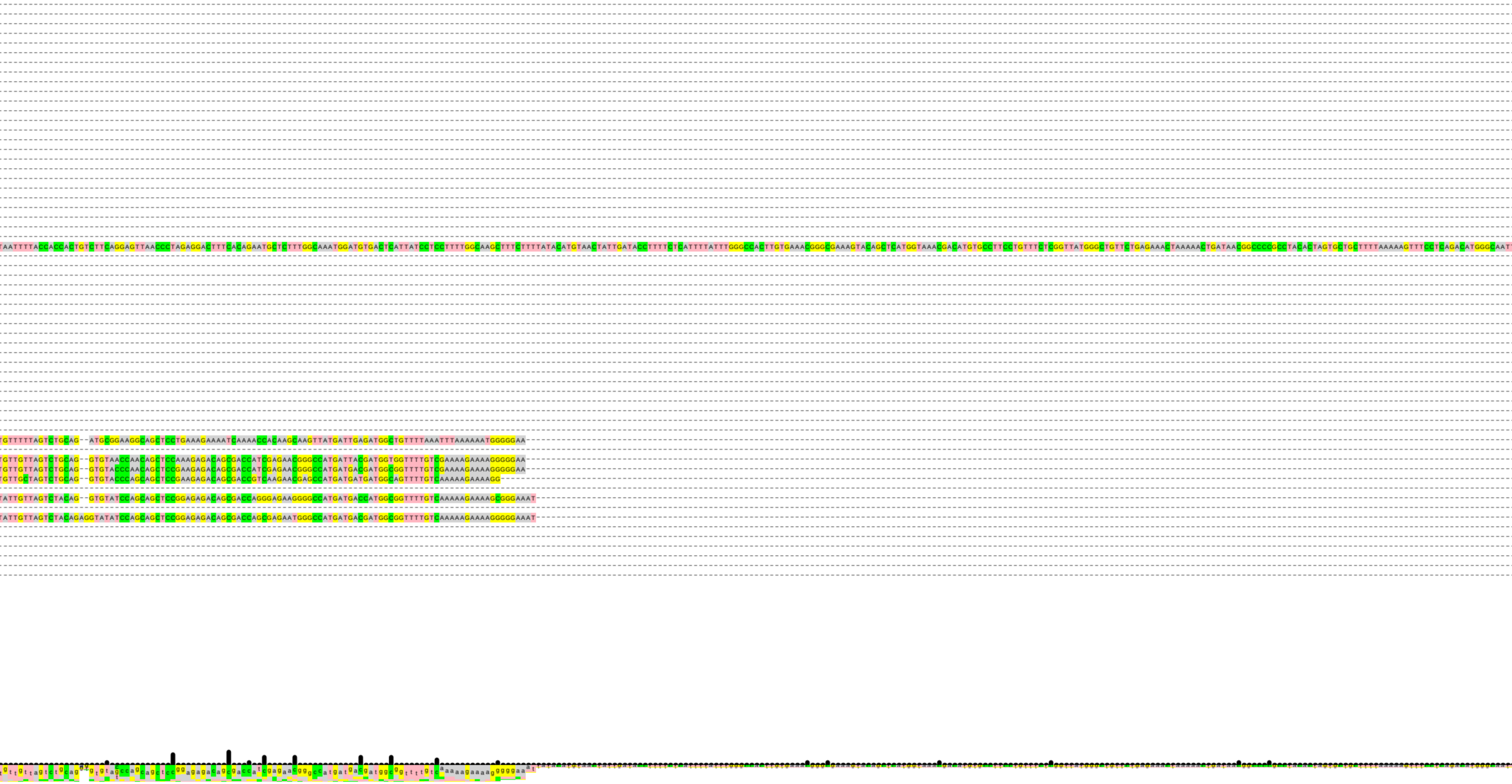


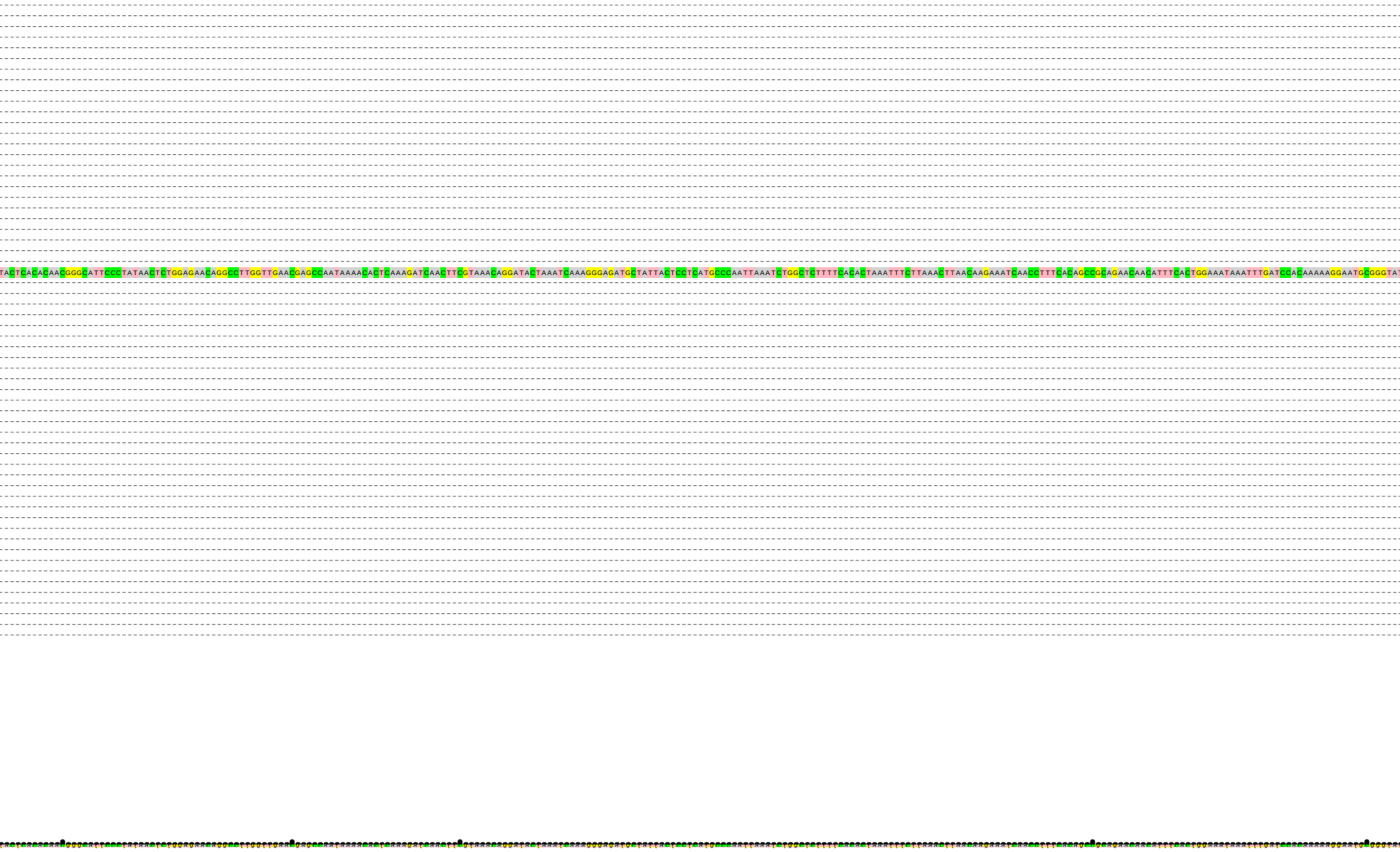




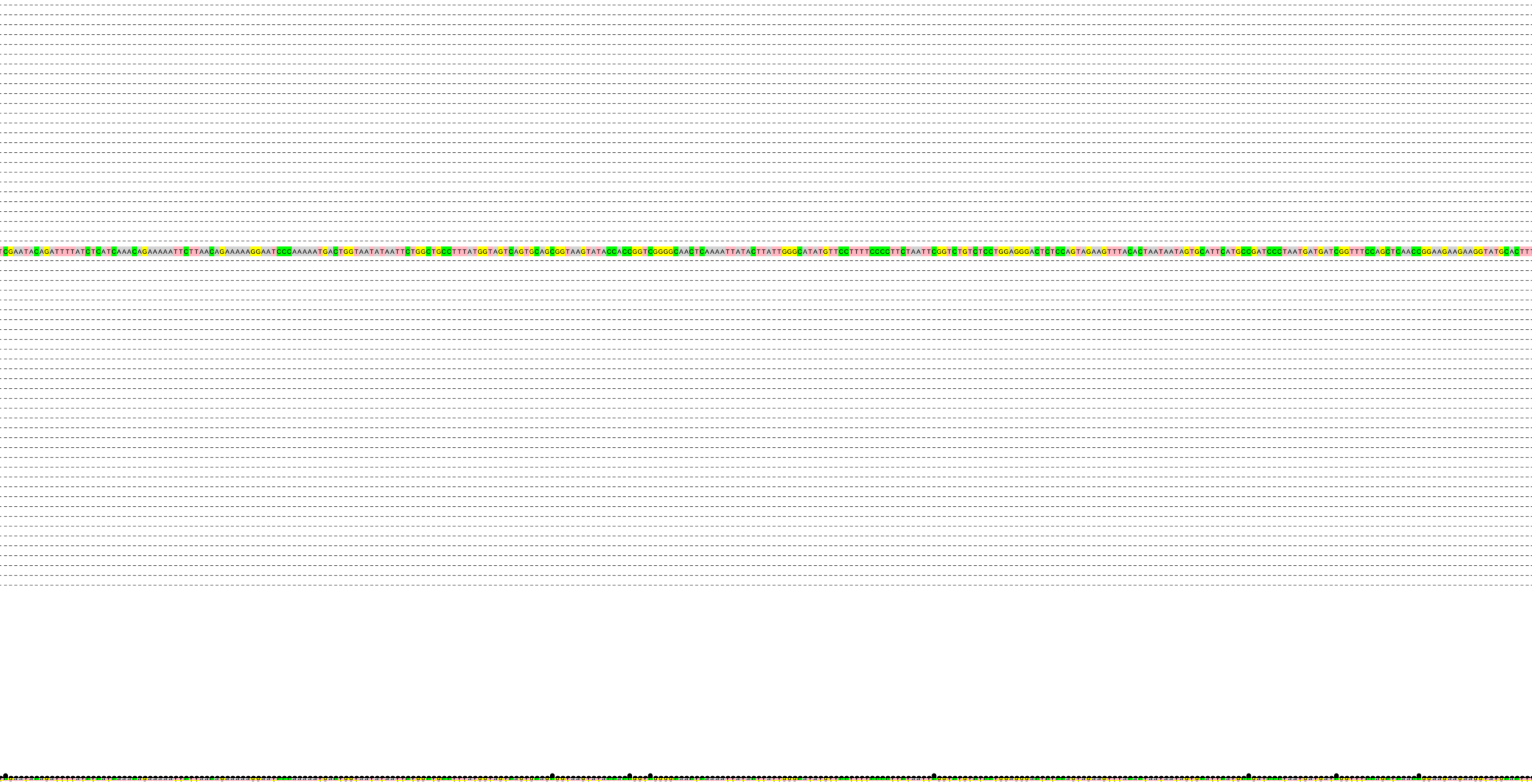




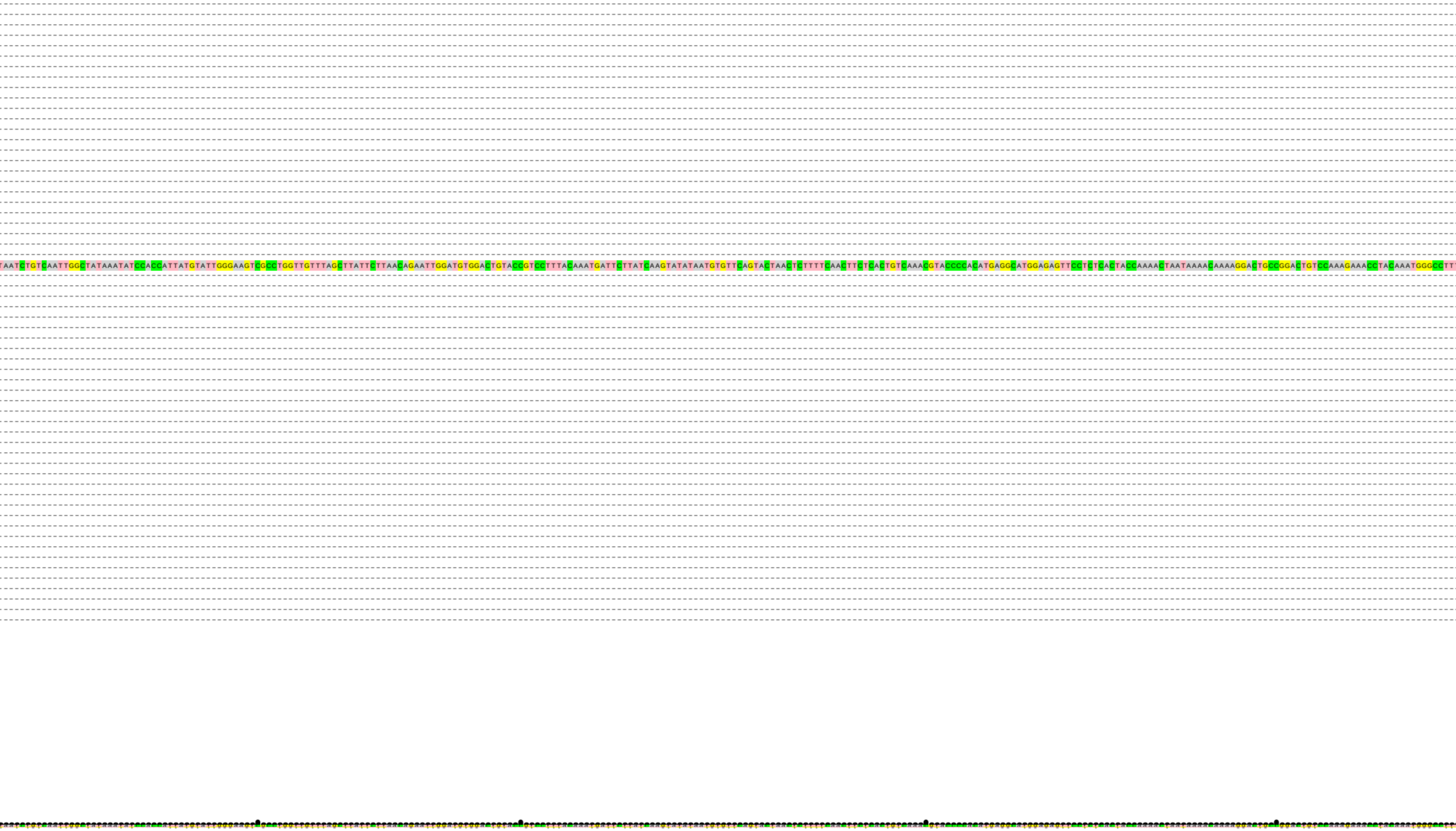



TACTCACACAACGGGCATTCCCTATAACTCTGGAGAACAGGCCTTGGTTGAACGAGCCAATAAAACACTCAAAGATCAACTTCGTAAACAGGATACTAAATCAAAGGGAGATGCTATTACTCCTCATGCCCAATTAAATCTGGCTCTTTTCACACTAAATTTCTTAAACTTAACAAGAAATCAACCTTTCACAGCCGCAGAACAACATTTCACTGGAAATAAATTTGATCCACAAAAAGGAATGCGGGTA

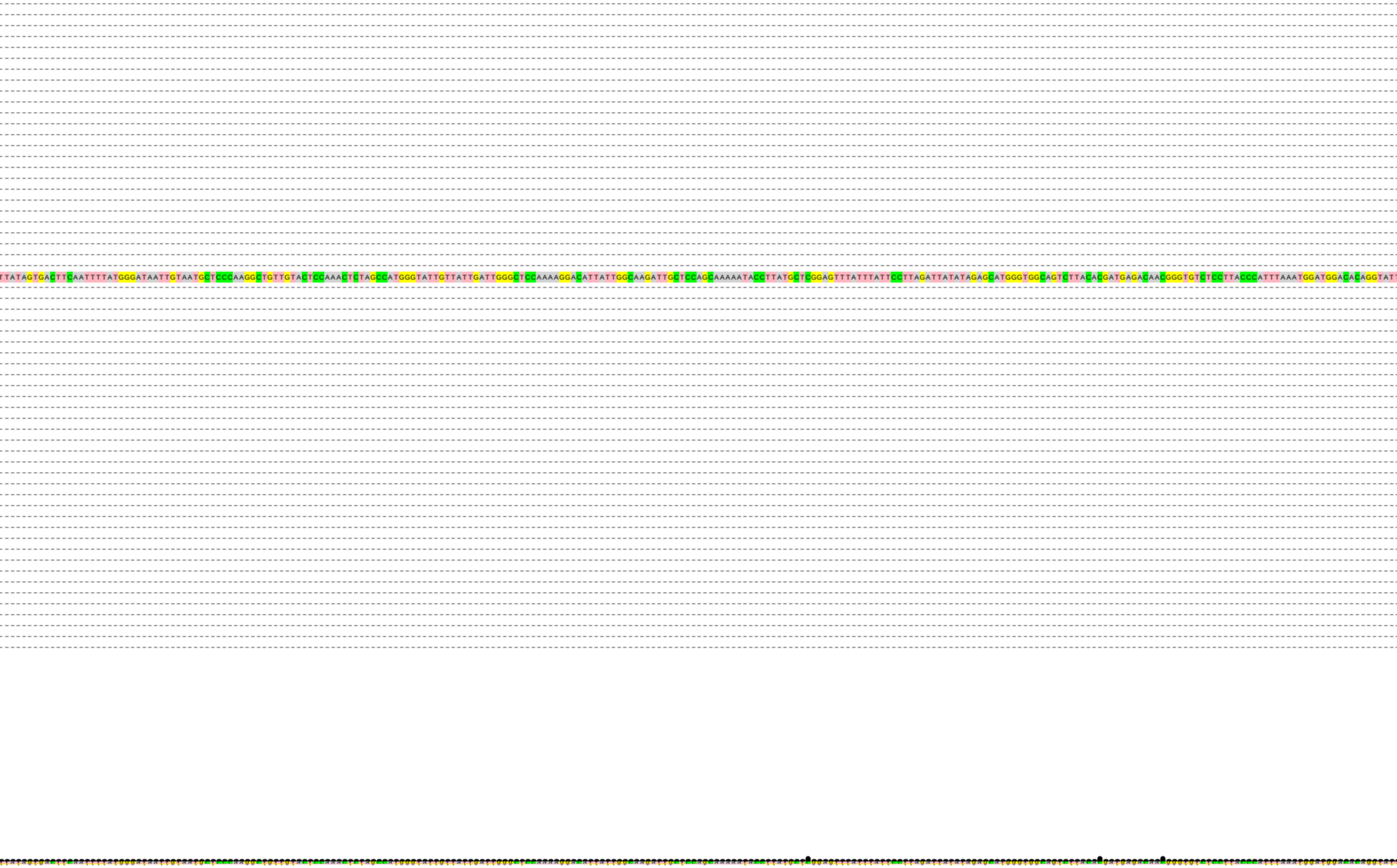
```
TGGTGGAAGGACGTAAAAACTAACACATGGGAATTAGGCACGGTCATAACTTGGGGTAGGGGTTTTGTTTGTGTTTCCCCAGGAAAAGAACTACAGCCTGTGTGGGTCCCCTCCCGACAATTAAAATTGCACCATAACTCCAAAGATGAAACGCTCCCAGAAAGAAAAGGCAAAGACCCATCGGAAACAAAAGAGCAACTTTCACCGCCTGATACATACACTTCATGACATCCACATTGAGACAAAATCTCGCCGTGTGACCTACAACACCTCTCGTTCAACCCCACCTACTTGGGG
```

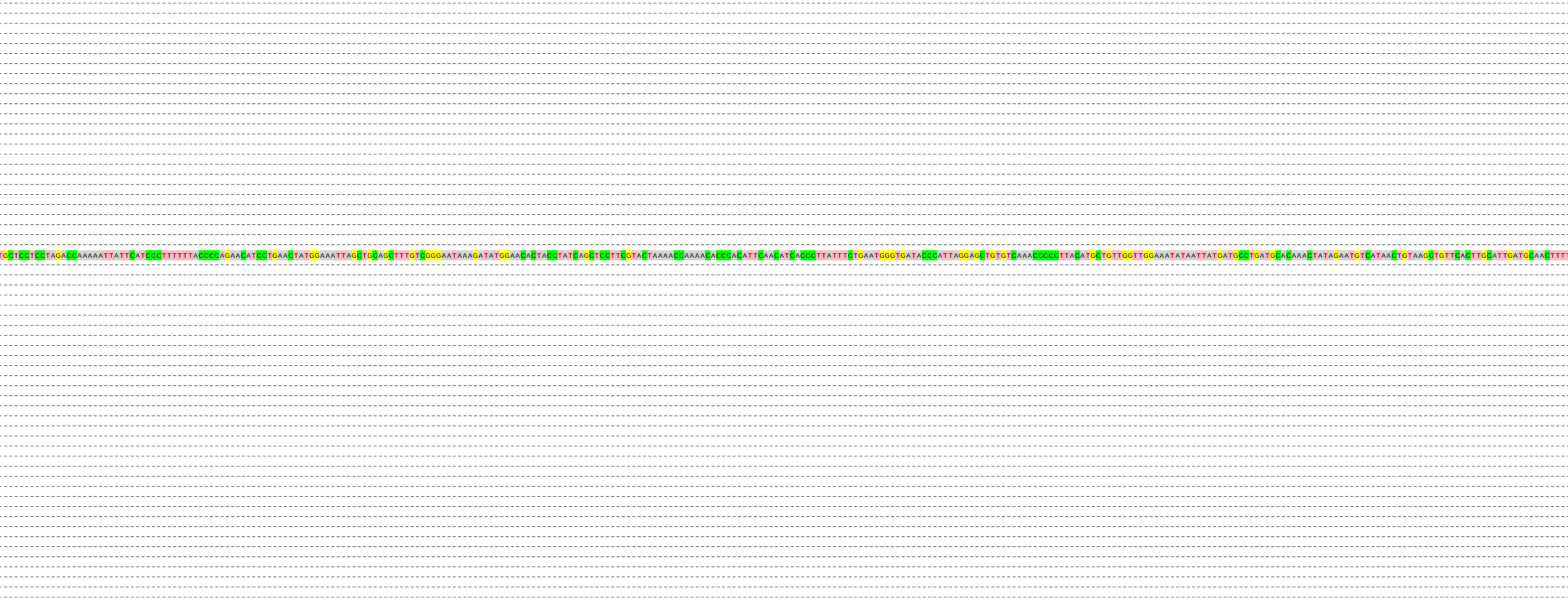


```
TCGAATACAGATTTTATCTCATCAAACAGAAAAATTCTTAACAGAAAAAGGAATCCCAAAAATGACTGGTAATATAATTCTGGCTGCCTTTATGGTAGTCAGTGCAGCGGTAAGTATACCACCGGTCGGGGCAACTCAAAATTATACTTATTGGGCATATGTTCCTTTTCCCCTTCTAATTCGGTCTGTCTCCTGGAGGGACTCTCCAGTAGAAGTTTACACTAATAATAGTGCATTCATGCCGATCCCTAATGATGATCGGTTTCCAGCTCAACCGGAAGAAGAAGGTATGCACTTT
```

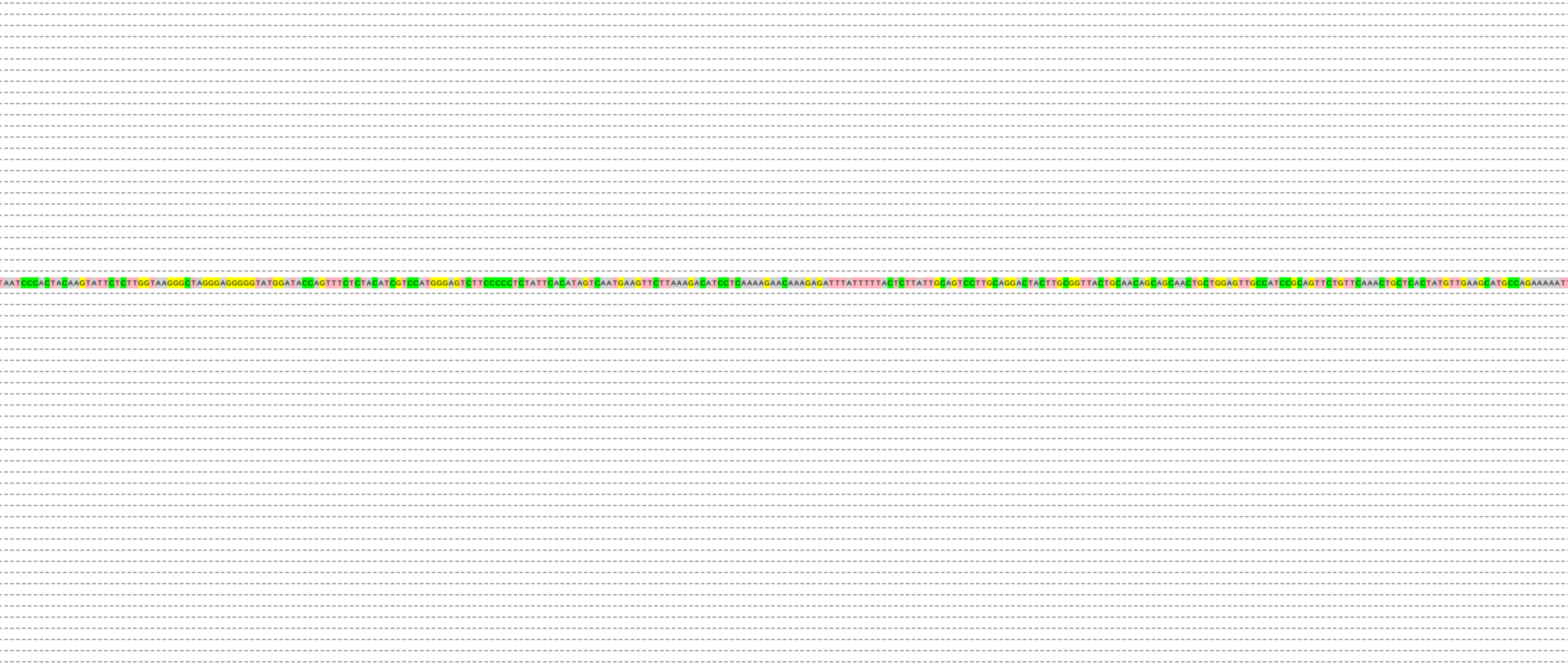


TAATCTGTCAATTGGCTATAAATATCCACCATTATGTATTGGGAAGTCGCCTGGTTGTTTAGCTTATTCTTAACAGAATTGGATGTGGACTGTACCGTCCTTTACAAATGATTCTTATCAAGTATATAATGTGTTCAGTACTAACTCTTTTCAACTTCTCACTGTCAAACGTACCCCACATGAGGCATGGAGAGTTCCTCTCACTACCAAAACTAATAAAACAAAAGGACTGCCGGACTGTCCAAAGAAACCTACAAATGGGCCTT


TTATAGTGACTTCAATTTTATGGGATAATTGTAATGCTCCCAAGGCTGTTGTACTCCAAACTCTAGCCATGGGTATTGTTATTGATTGGGCTCCAAAAGGACATTATTGGCAAGATTGCTCCAGCAAAAATACCTTATGCTCGGAGTTTATTTATTCCTTAGATTATATAGAGCATGGGTGGCAGTCTTACACGATGAGACAACGGGTGTCTCCTTACCCATTTAAATGGATGGACACAGGTATT

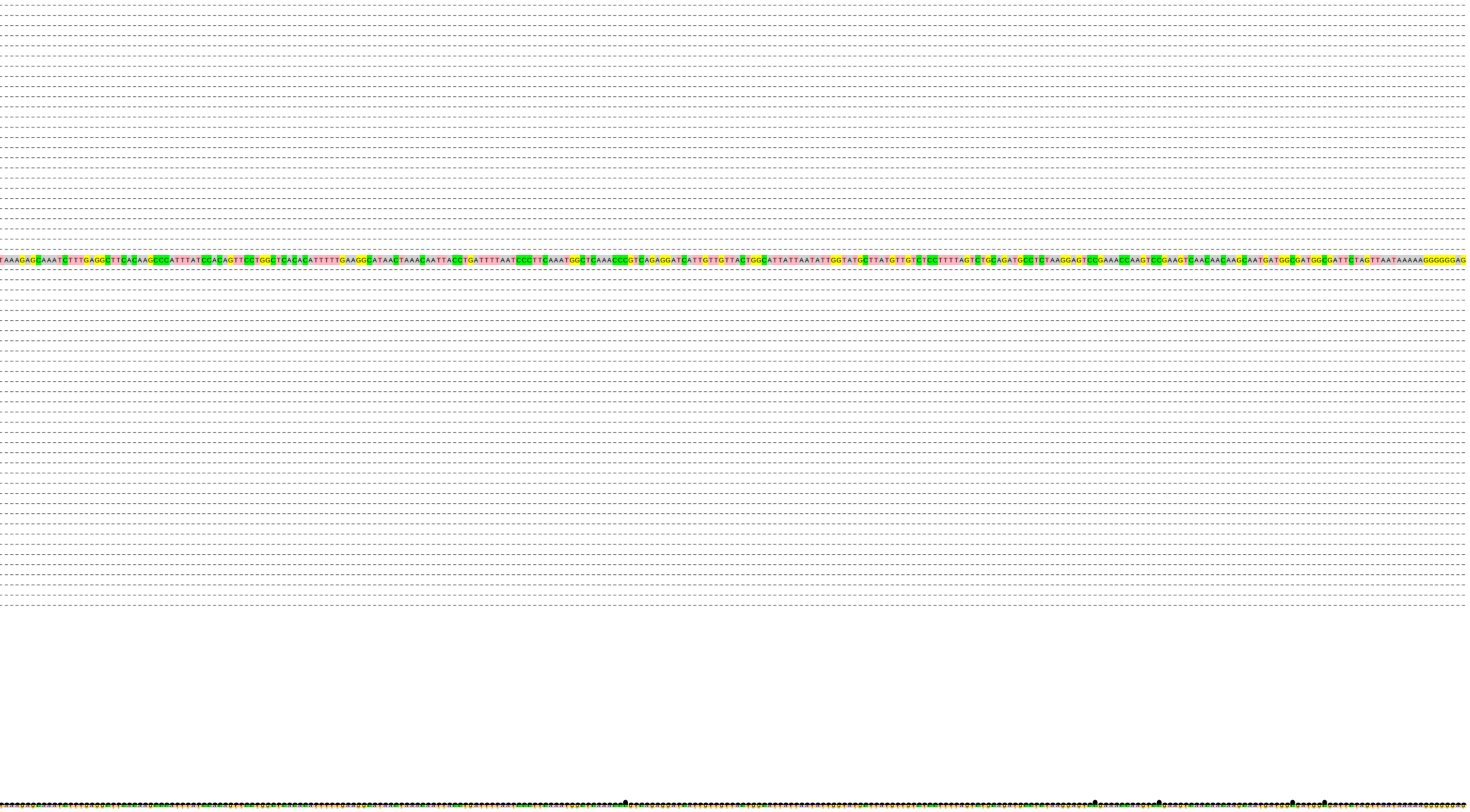


```
TGCTCCTCCTAGACCAAAAATTATTCATCCCTTTTTTACCCCAGAACATCCTGAACTATGGAAATTAGCTGCAGCTTTGTCGGGAATAAAGATATGGAACACTACCTATCAGCTCCTTCGTACTAAAACCAAAACACCCACATTCAACATCACCCTTATTTCTGAATGGGTGATACCCATTAGGAGCTGTGTCAAACCCCCTTACATGCTGTTGGTTGGAAATATAATTATGATGCCTGATGCACAAACTATAGAATGTCATAACTGTAAGCTGTTCACTTGCATTGATGCAACTTTT
```



TAATCCCACTACAAGTATTCTCTTGGTAAGGGCTAGGGAGGGGGTATGGATACCAGTTTCTCTACATCGTCCATGGGAGTCTTCCCCCTCTATTCACATAGTCAATGAAGTTCTTAAAGACATCCTCAAAAGAACAAAGAGATTTATTTTTACTCTTATTGCAGTCCTTGCAGGACTACTTGCGGTTACTGCAACAGCAGCAACTGCTGGAGTTGCCATCCGCAGTTCTGTTCAAACTGCTCACTATGTTGAAGCATGCCAGAAAAATT

TCCTCCAGACTTTGGAATTCTCAGGCGCAAATTGATCAAAAATTAGCTAATCAGATTAATGATCTCCGCCAAAGTGTAACCTGGCTGGGAGATAGAGTTATGAACTTGCAACACCGTATGCAATTACAGTGTGATTGGAATACTTCTGATTATTGCATAACGCCTTATGCTTATAATCAAGATCAACATAGCTGGGAAAATGTCTCAAGACATTTAAAAGCCTGGGATGATAACTTAACCTTGGATATTTCACAACT



```
TAAAGAGCAAATCTTTGAGGCTTCACAAGCCCATTTATCCACAGTTCCTGGCTCACACATTTTTGAAGGCATAACTAAACAATTACCTGATTTTAATCCCTTCAAATGGCTCAAACCCGTCAGAGGATCATTGTTGTTACTGGCATTATTAATATTGGTATGCTTATGTTGTCTCCTTTTAGTCTGCAGATGCCTCTAAGGAGTCCGAAACCAAGTCCGAAGTCAACAACAAGCAATGATGGCGATGGCGATTCTAGTTAATAAAAAGGGGGGAG
```