GeneMark

Version 2.5p (09.08.06) *Copyright 1993 - M. Borodovsky, J. McIninch*

PROGRAM INFORMATION

```
Sequence         :  Mycobacterium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluste
Analysis Date    :  3/28/24 at 8:31:28
Pages            :  34
Sequence Length  :  68721 bp
GC Content       :   66.32%

Window Length    :  96 bp
Window Step      :  12 bp
Threshold Value  :  0.500

PS-Version       :  1.2

GeneMark Options :  PostScript graph,
                    Mark ORFs / splice sites,
                    List ORFs,
                    List regions and/or splice sites,
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MATRIX INFORMATION

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Matrix     :  Mycobacterium_smegmatis_MC2_155
Author     :  -

Order      :  4
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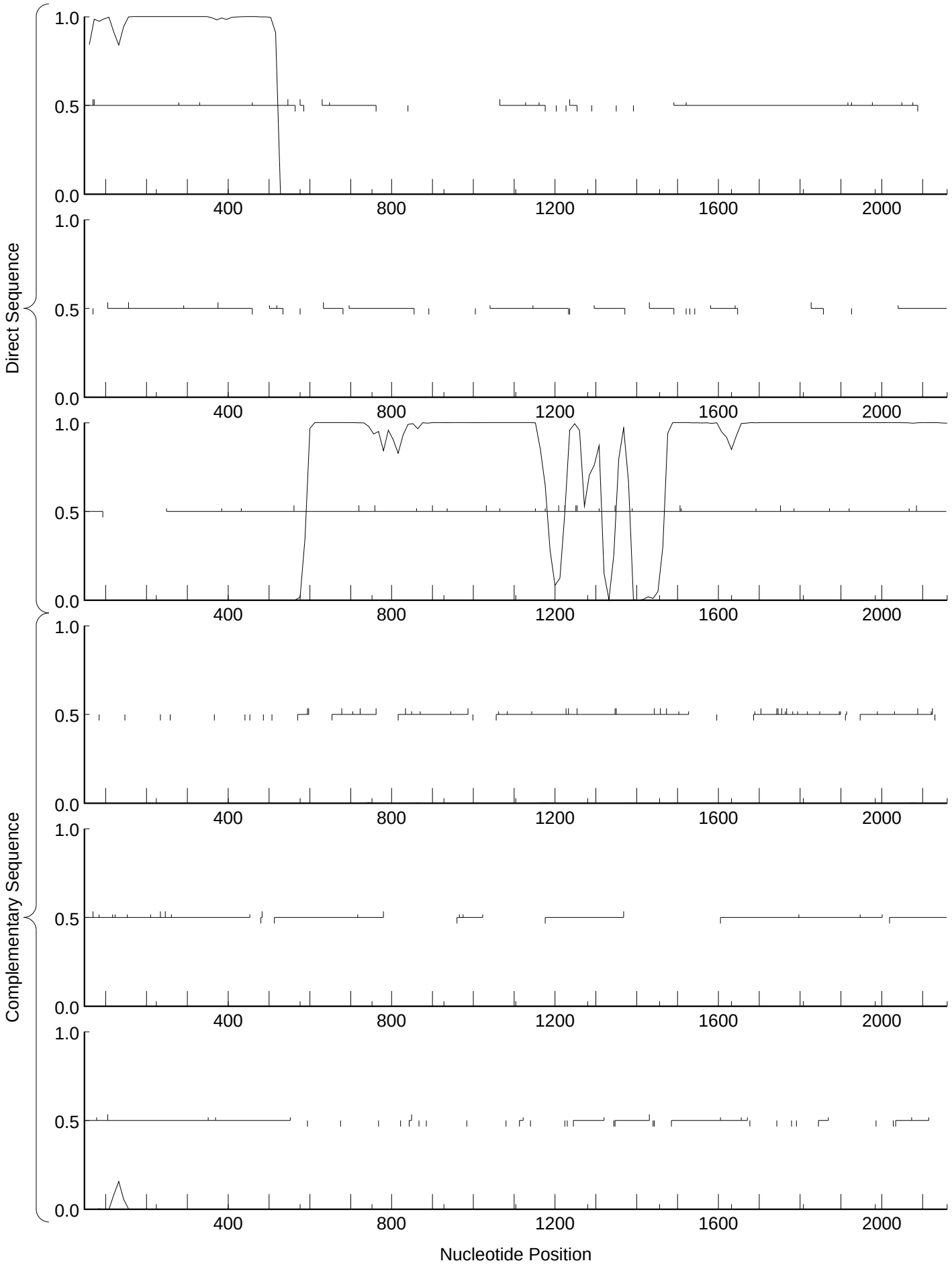

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  Send questions / comments to:
      Dr. M. Borodovsky
      Georgia Institute of Technology
      School of Biology
      Atlanta, GA  30332-0230
```


Matrix notes & comments

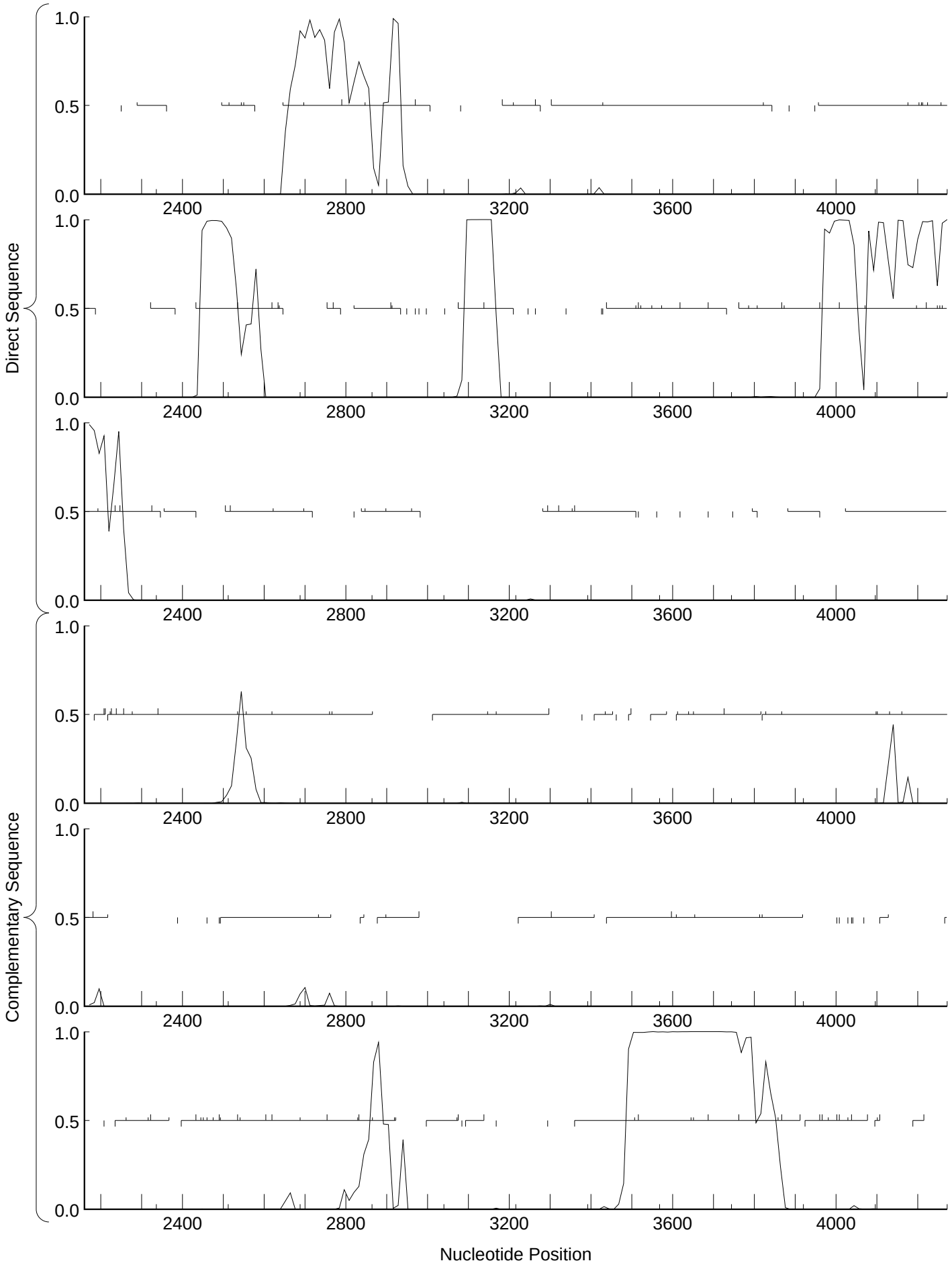
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Training set derived by GeneMarkS, 4.27 September 2014
Tue Sep 23 15:23:03 2014
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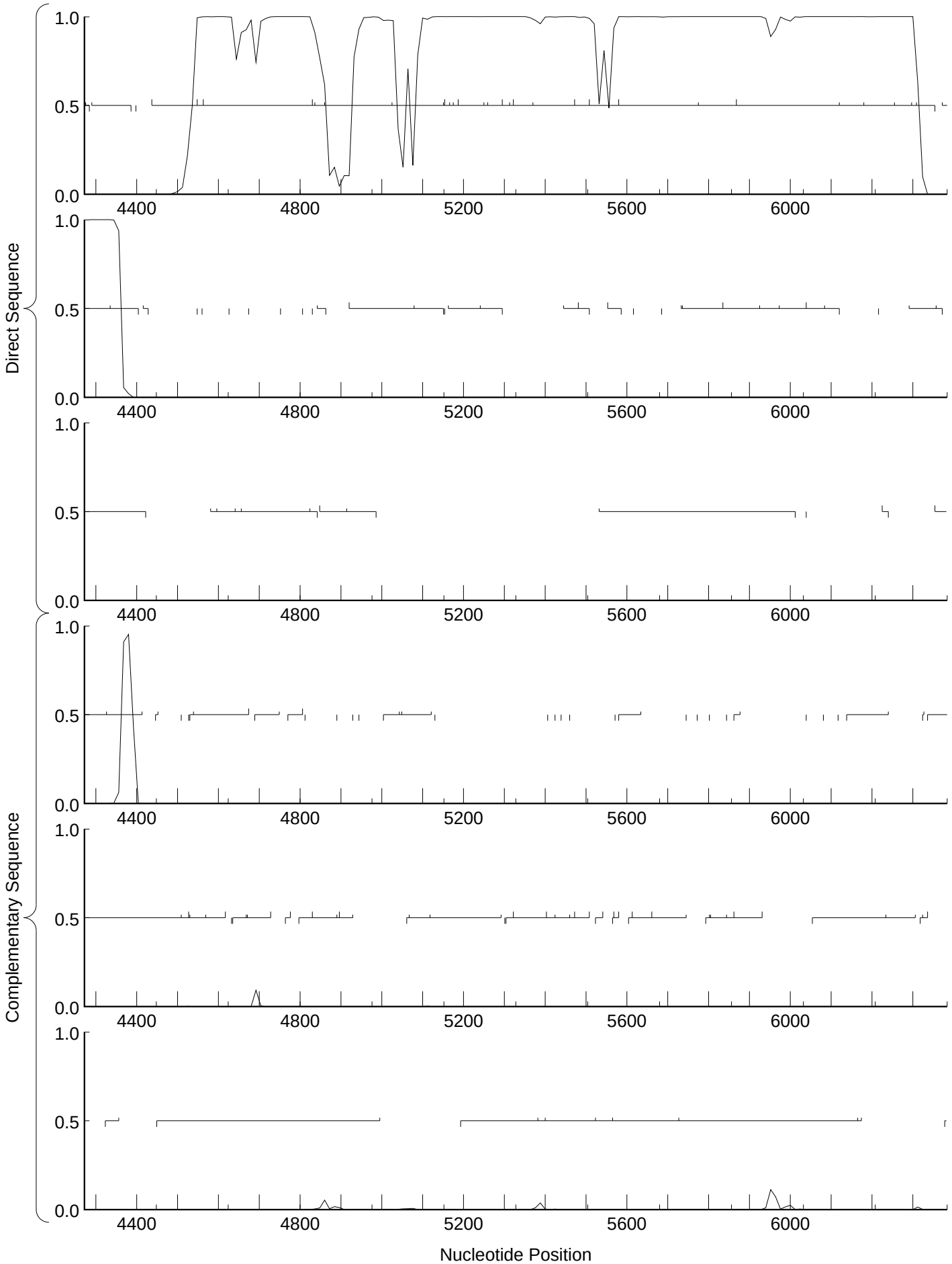
For help or information, send electronic mail to: custserv@genepro.com, or mark@amber.biology.gatech.edu

terium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 2/34

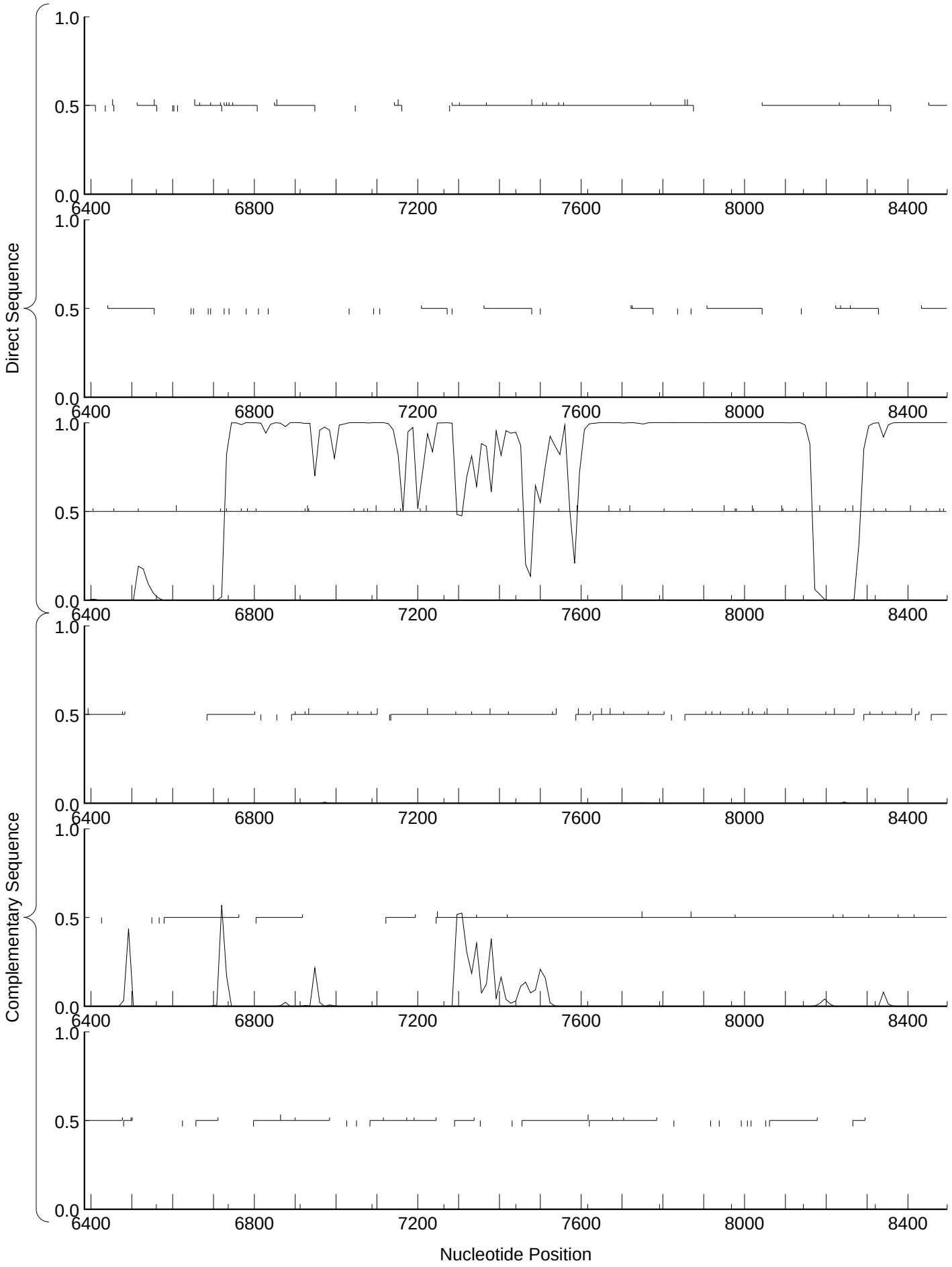


terium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 3/34

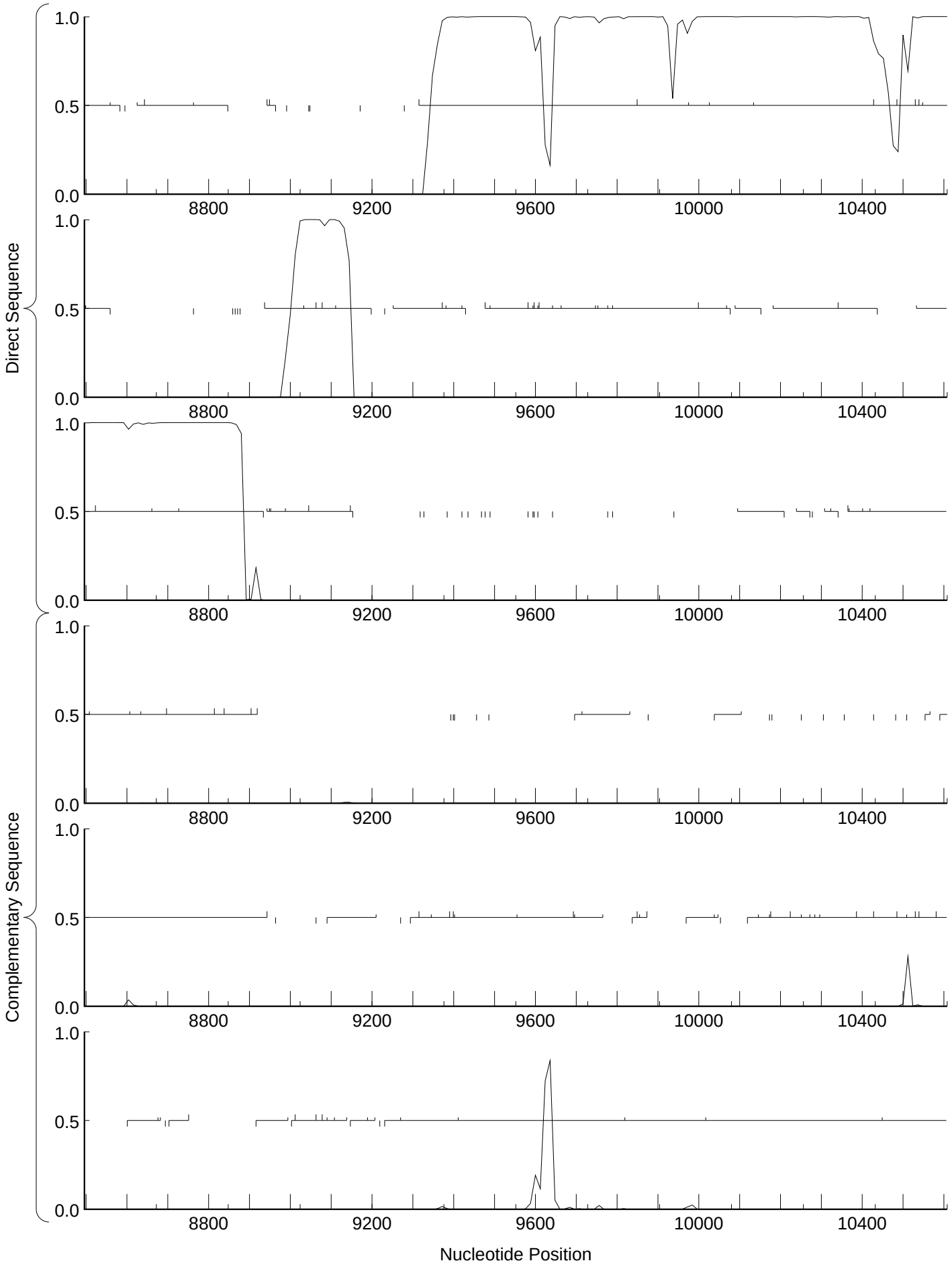



Direct Sequence
Complementary Sequence
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0.5
0.0
4400
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5200
5600
6000
Nucleotide Position

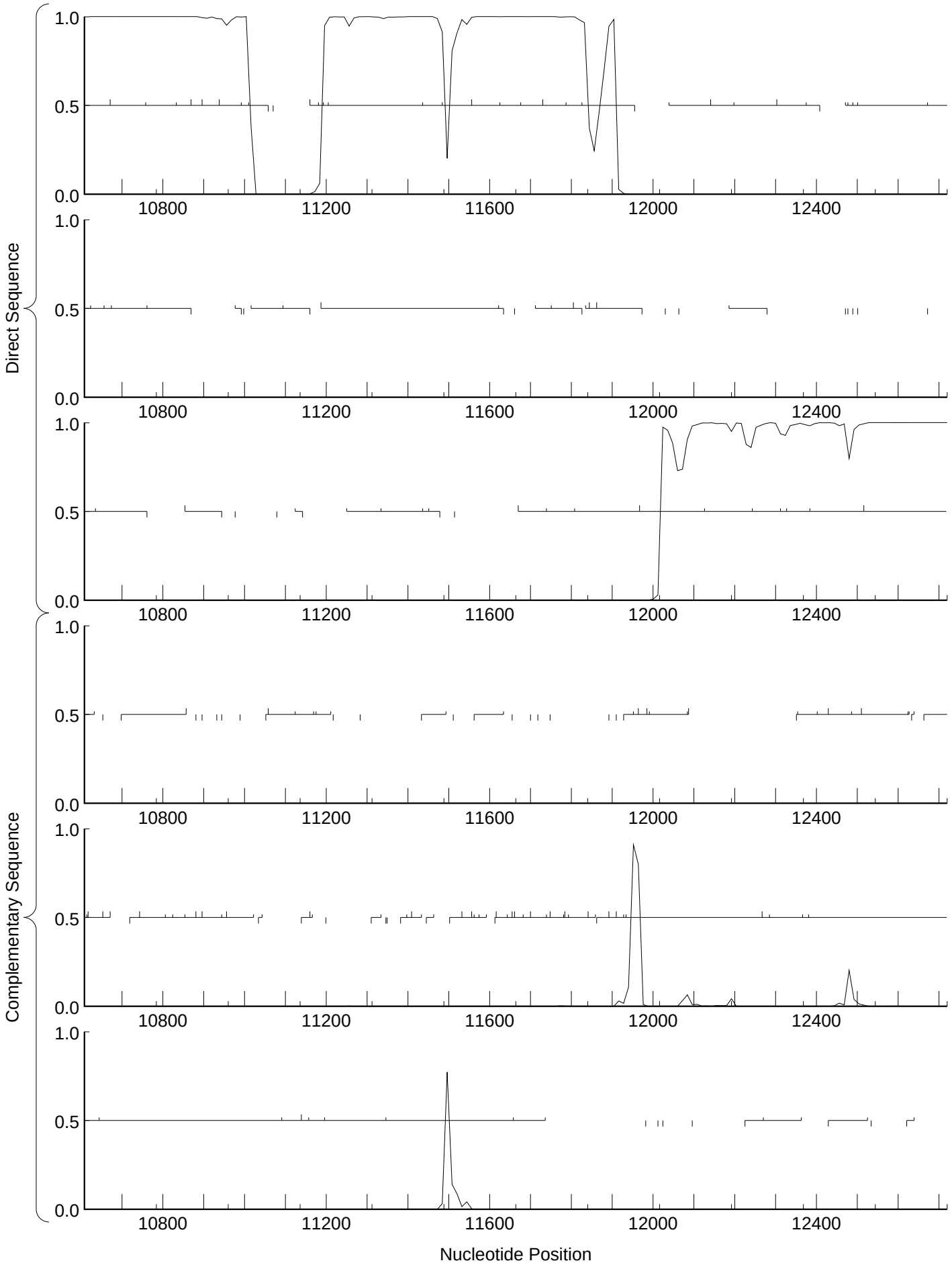
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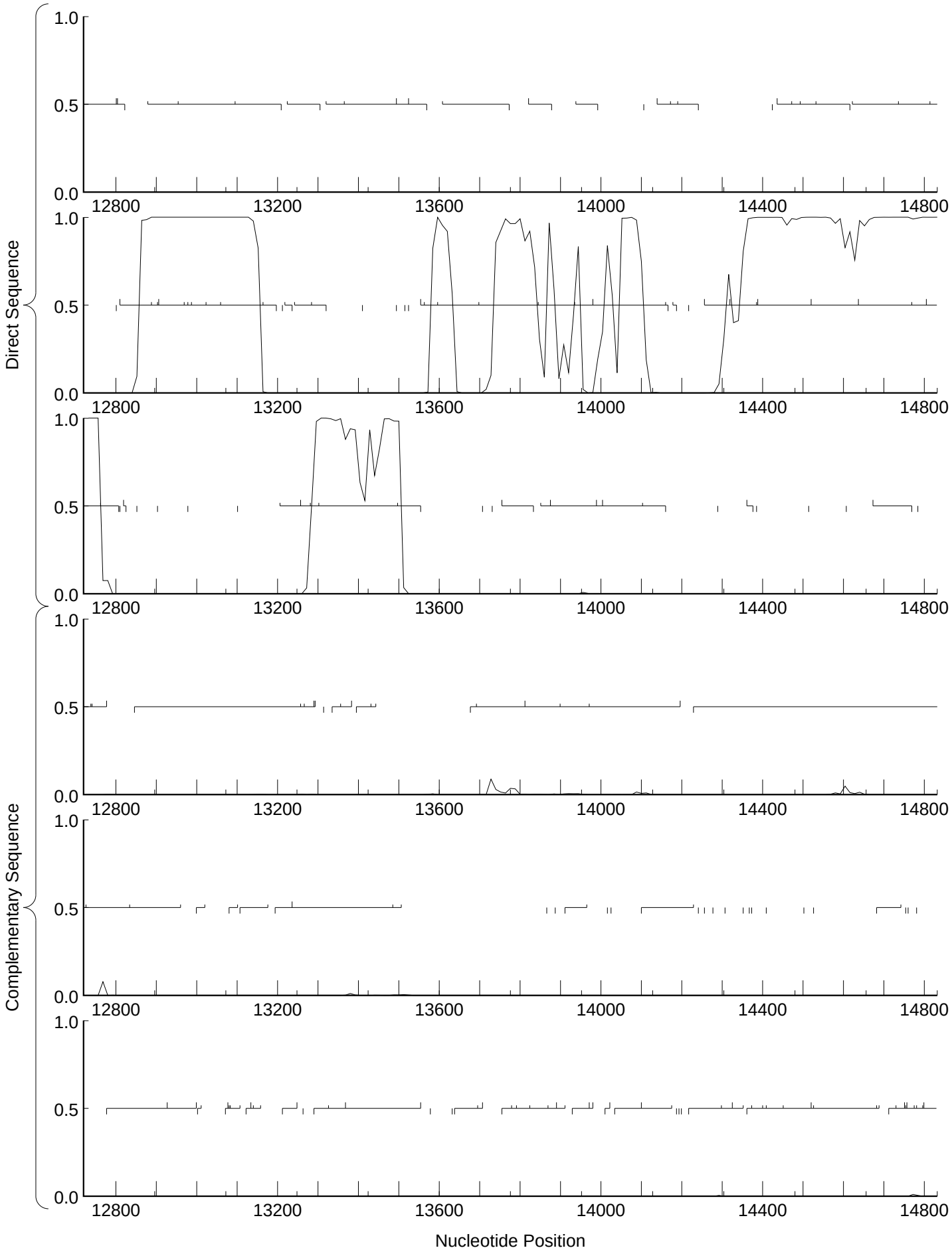
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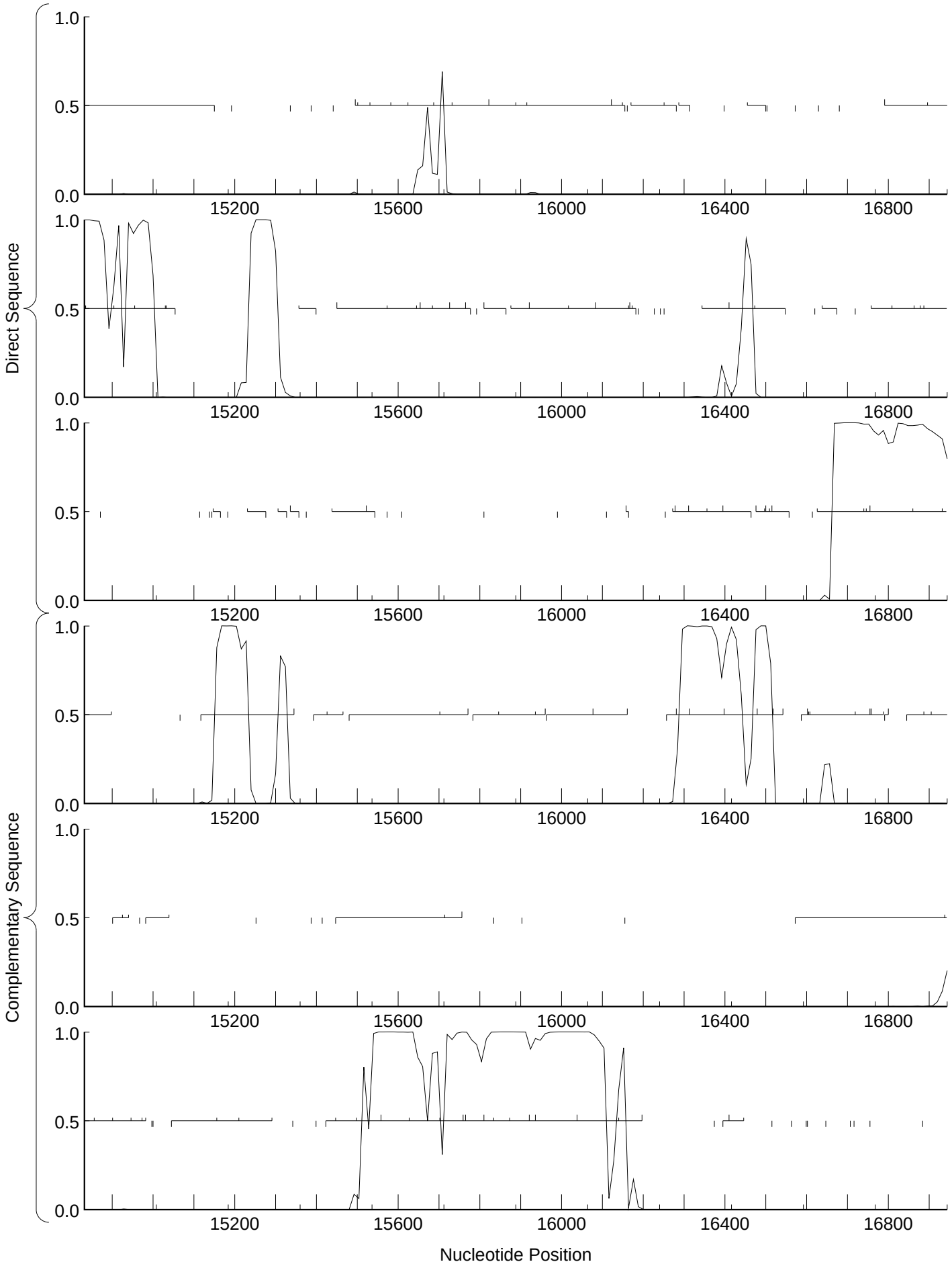


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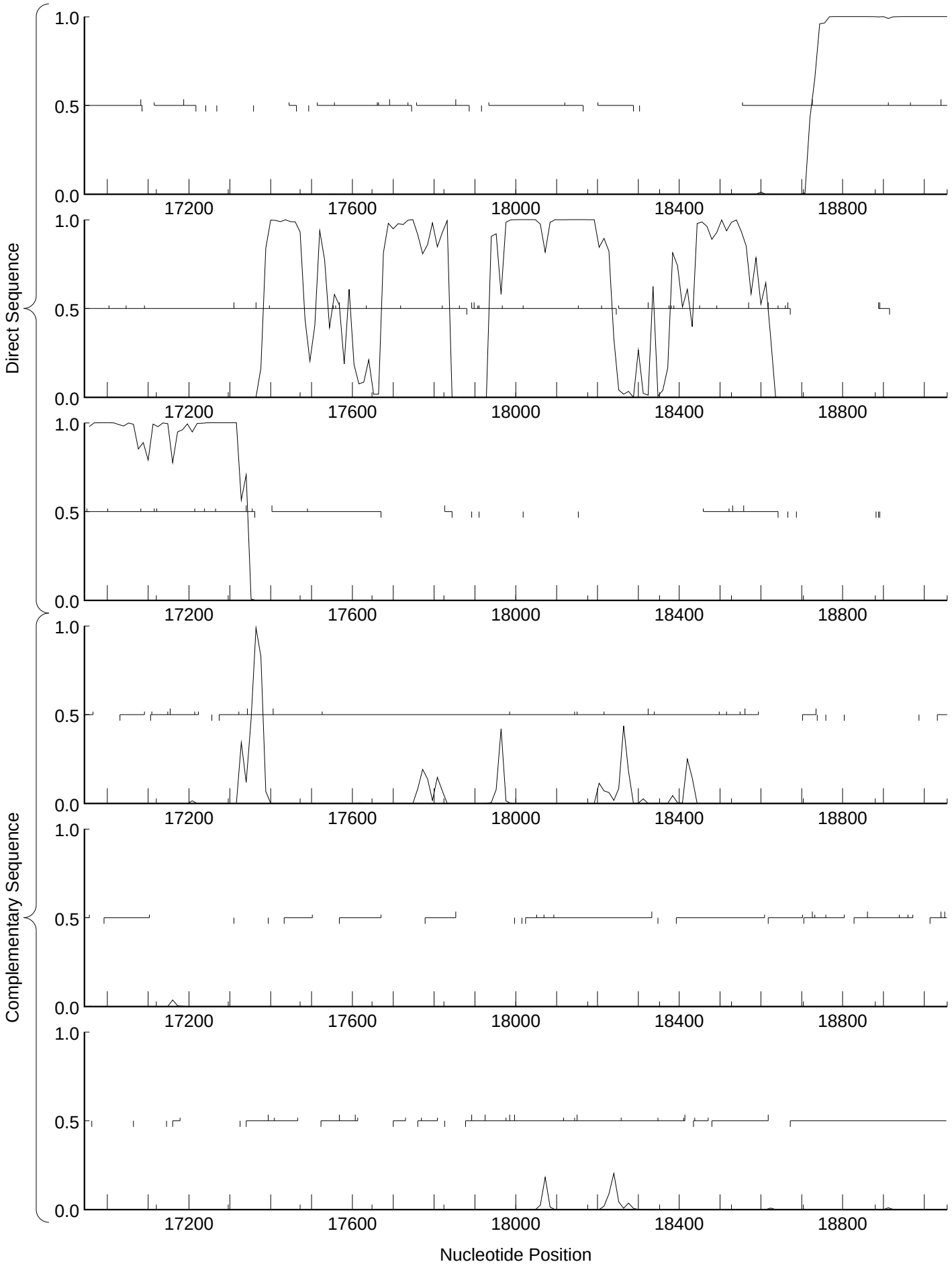


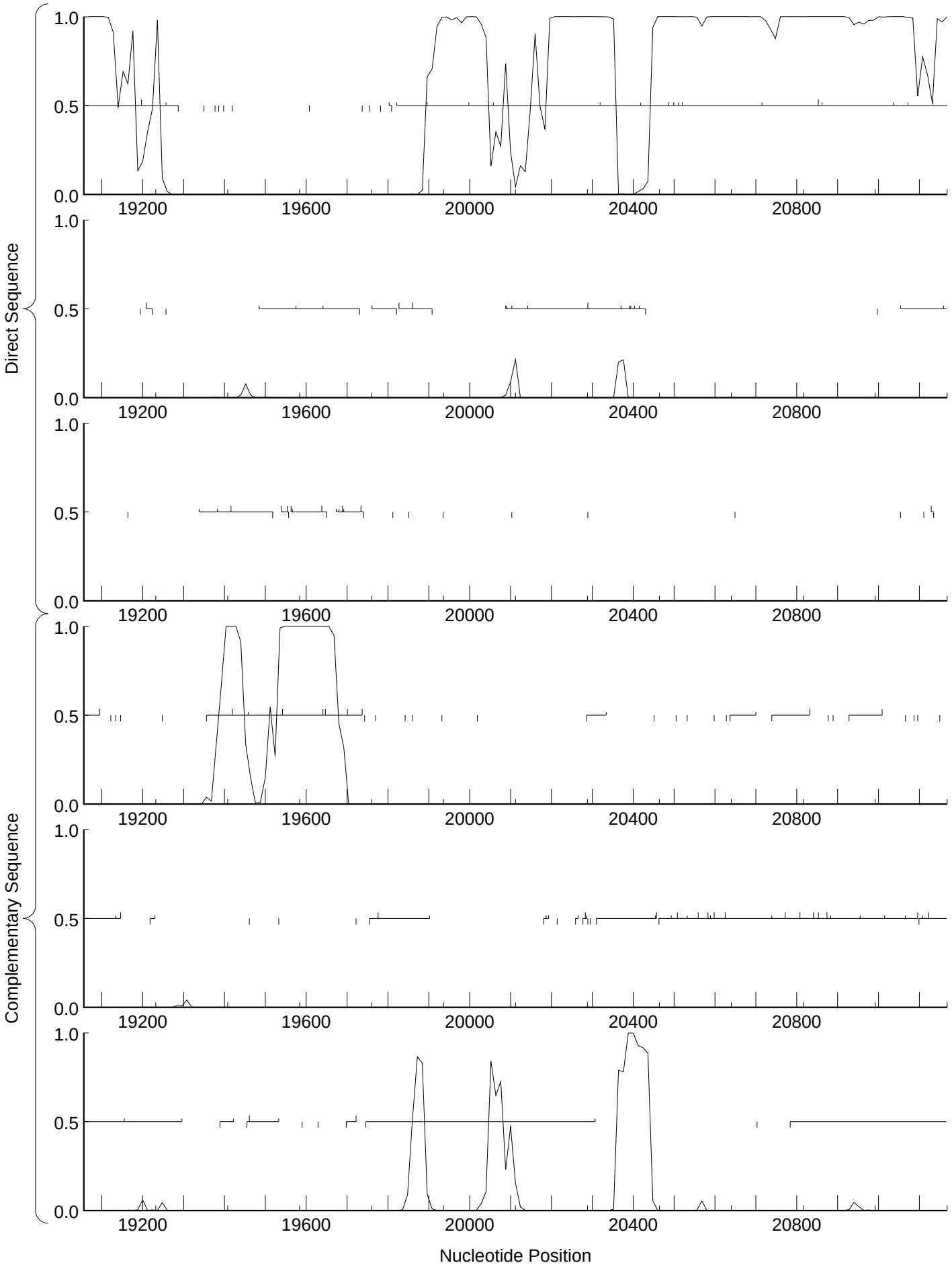
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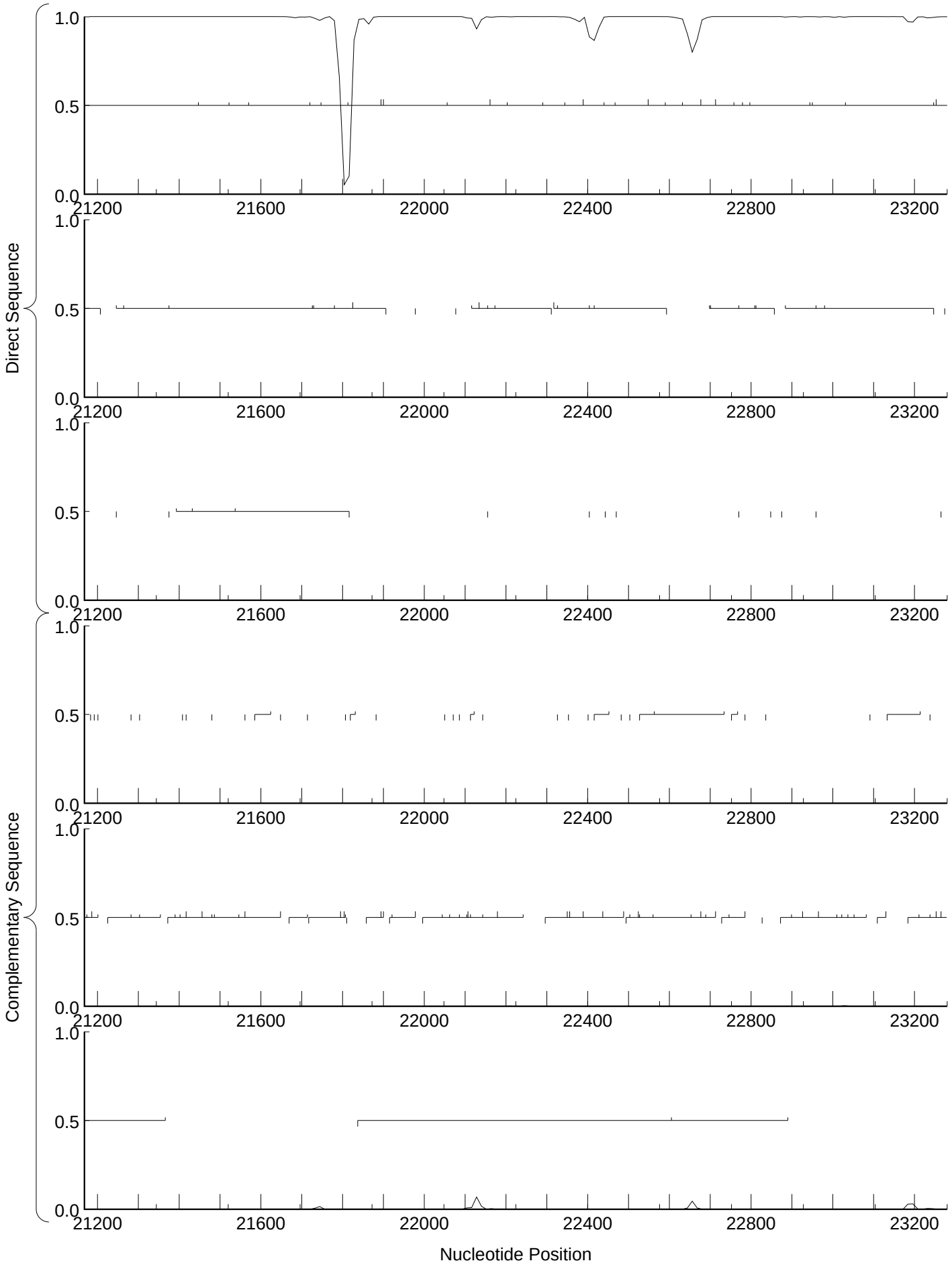

Direct Sequence
Complementary Sequence
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0.5
0.0
15200
15600
16000
16400
16800
Nucleotide Position

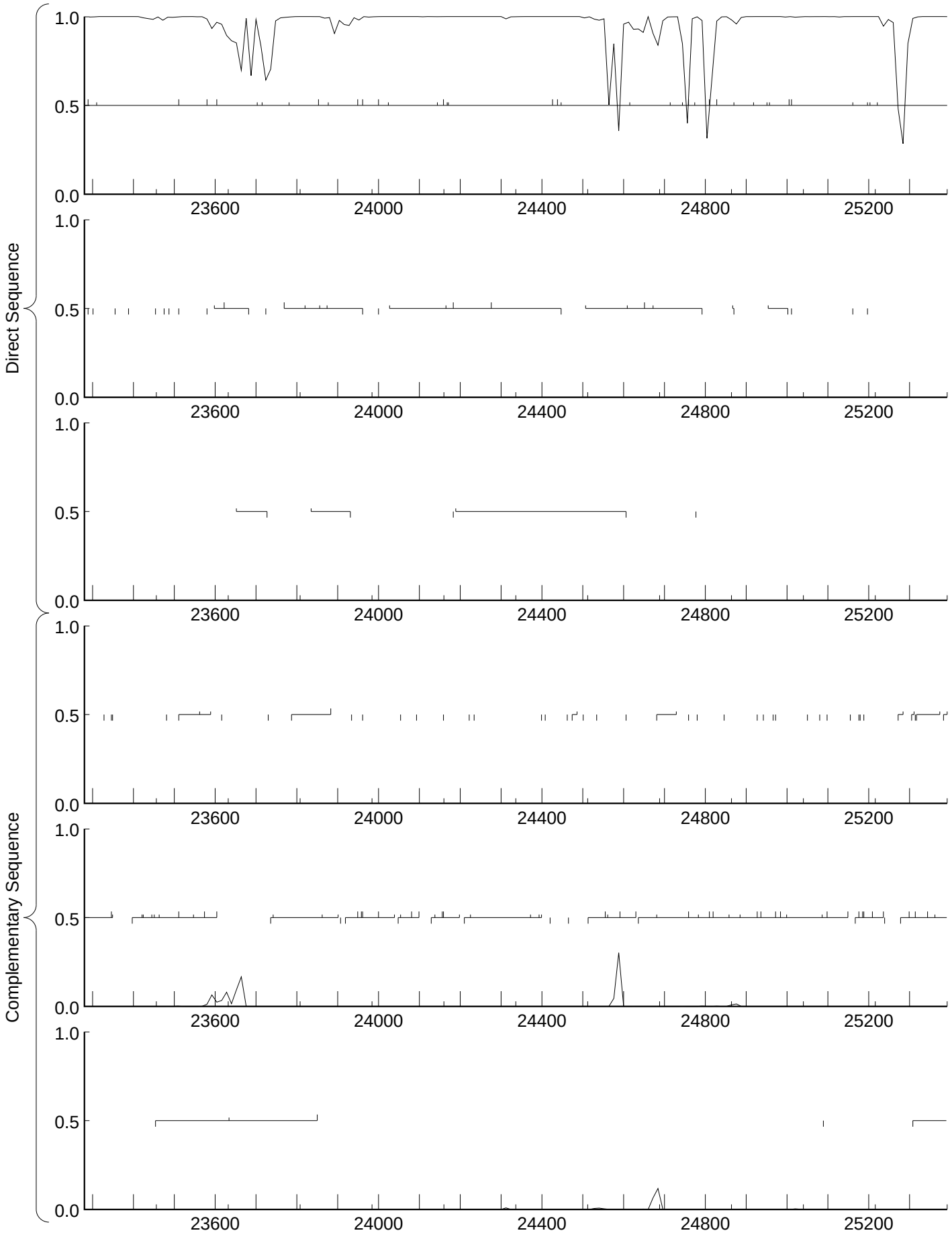
erium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 10/34

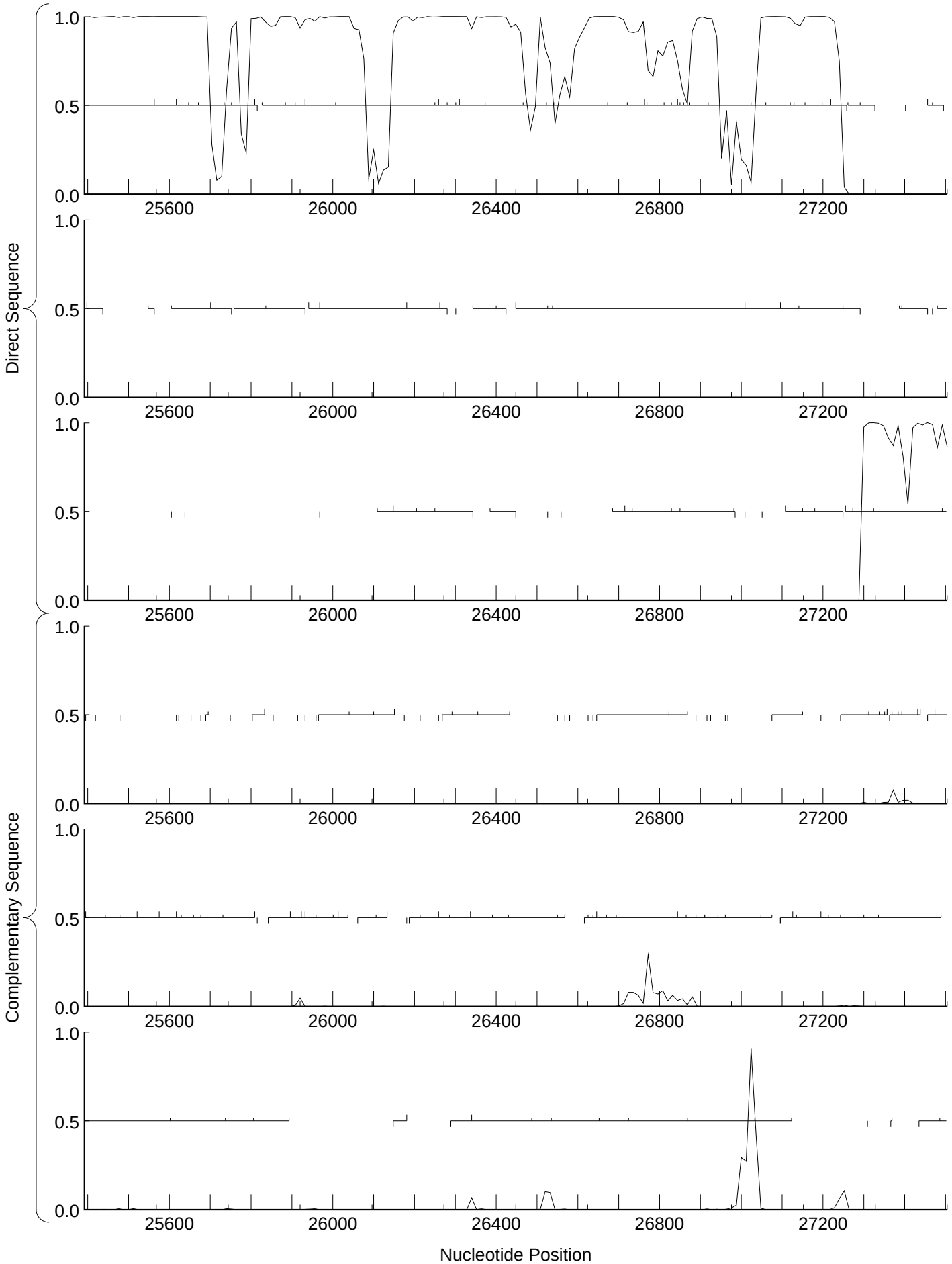


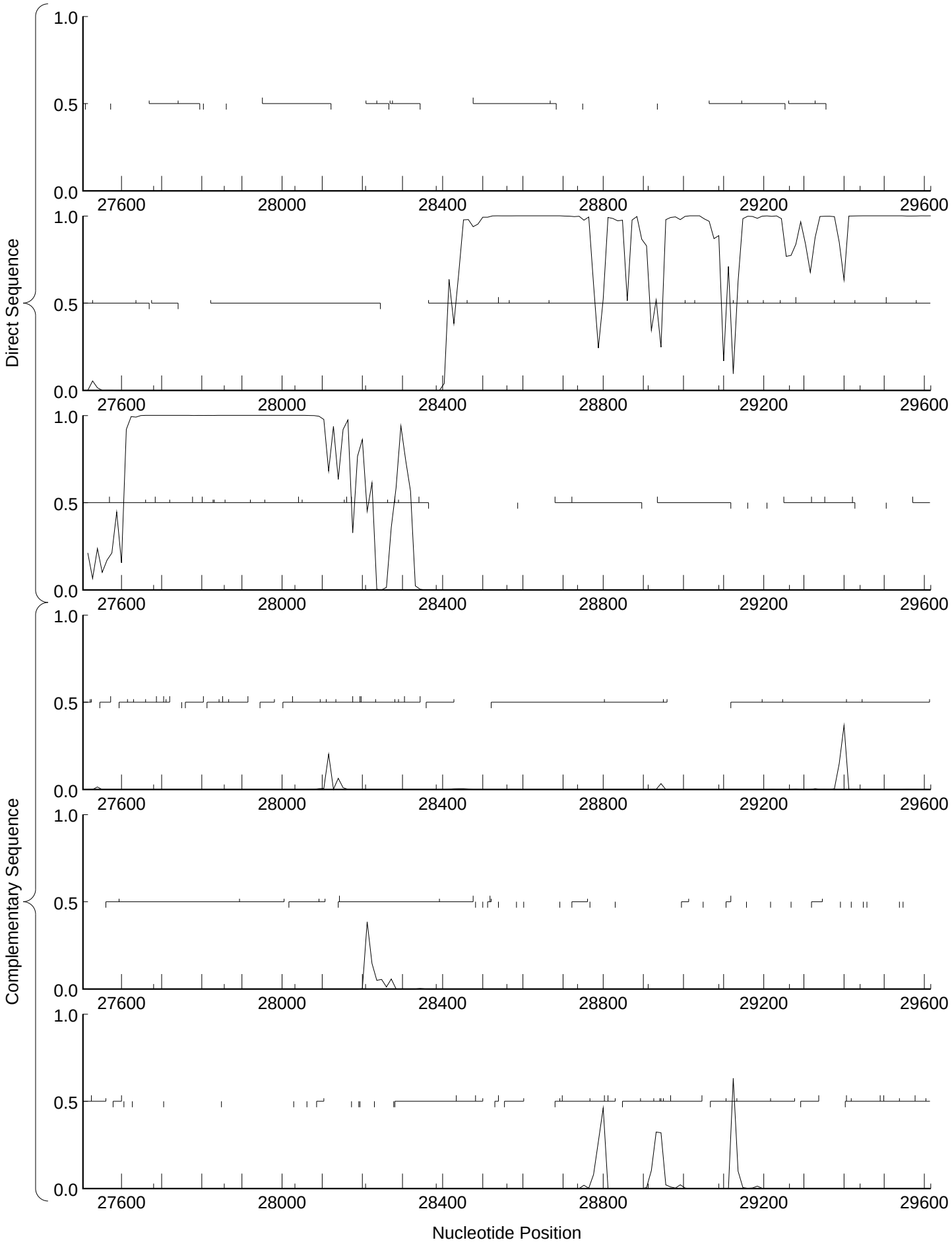

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
19200
19600
20000
20400
20800
Nucleotide Position

erium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 12/34

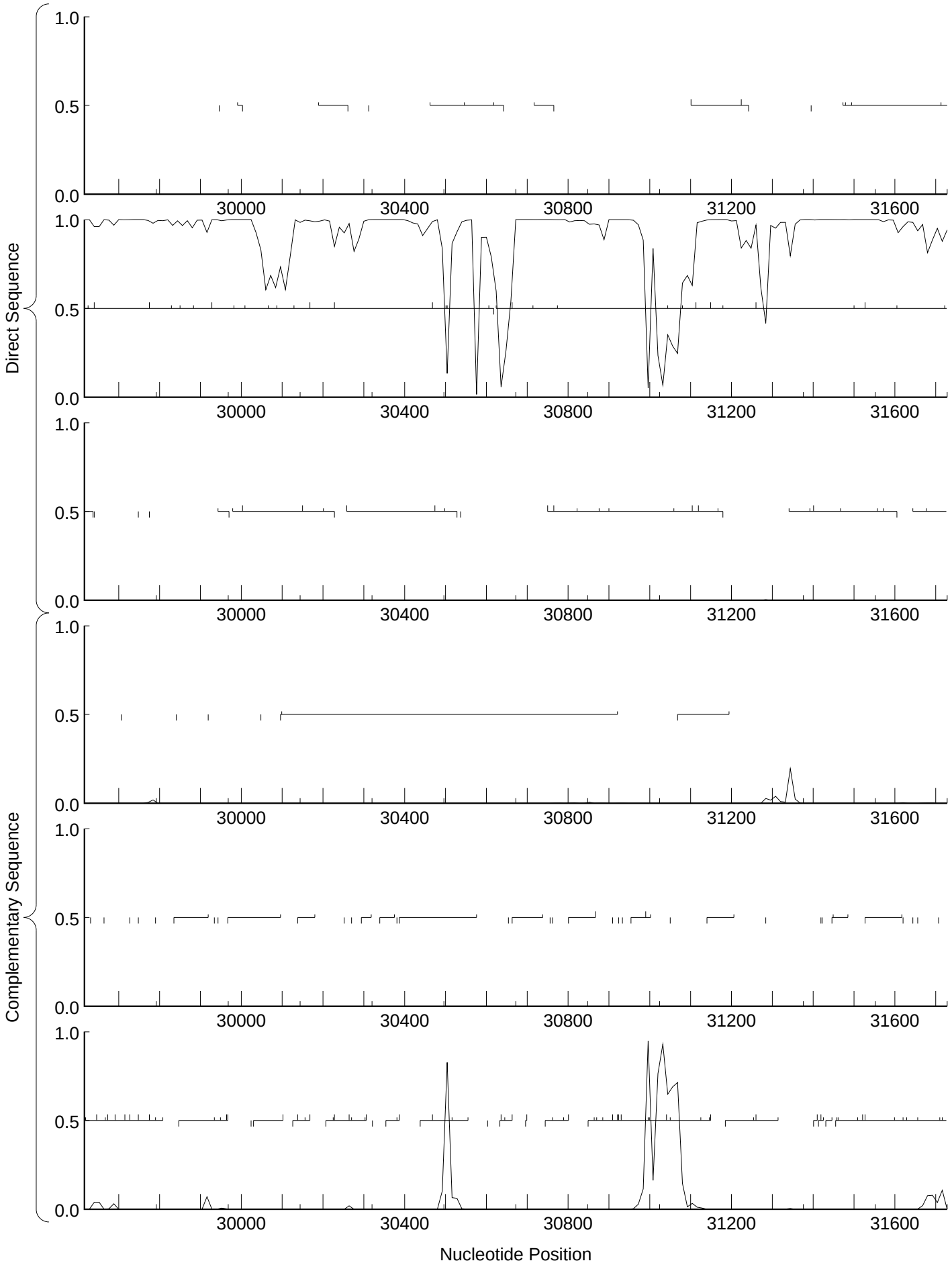



Direct Sequence
Complementary Sequence
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0.0
23600
24000
24400
24800
25200
Nucleotide Position

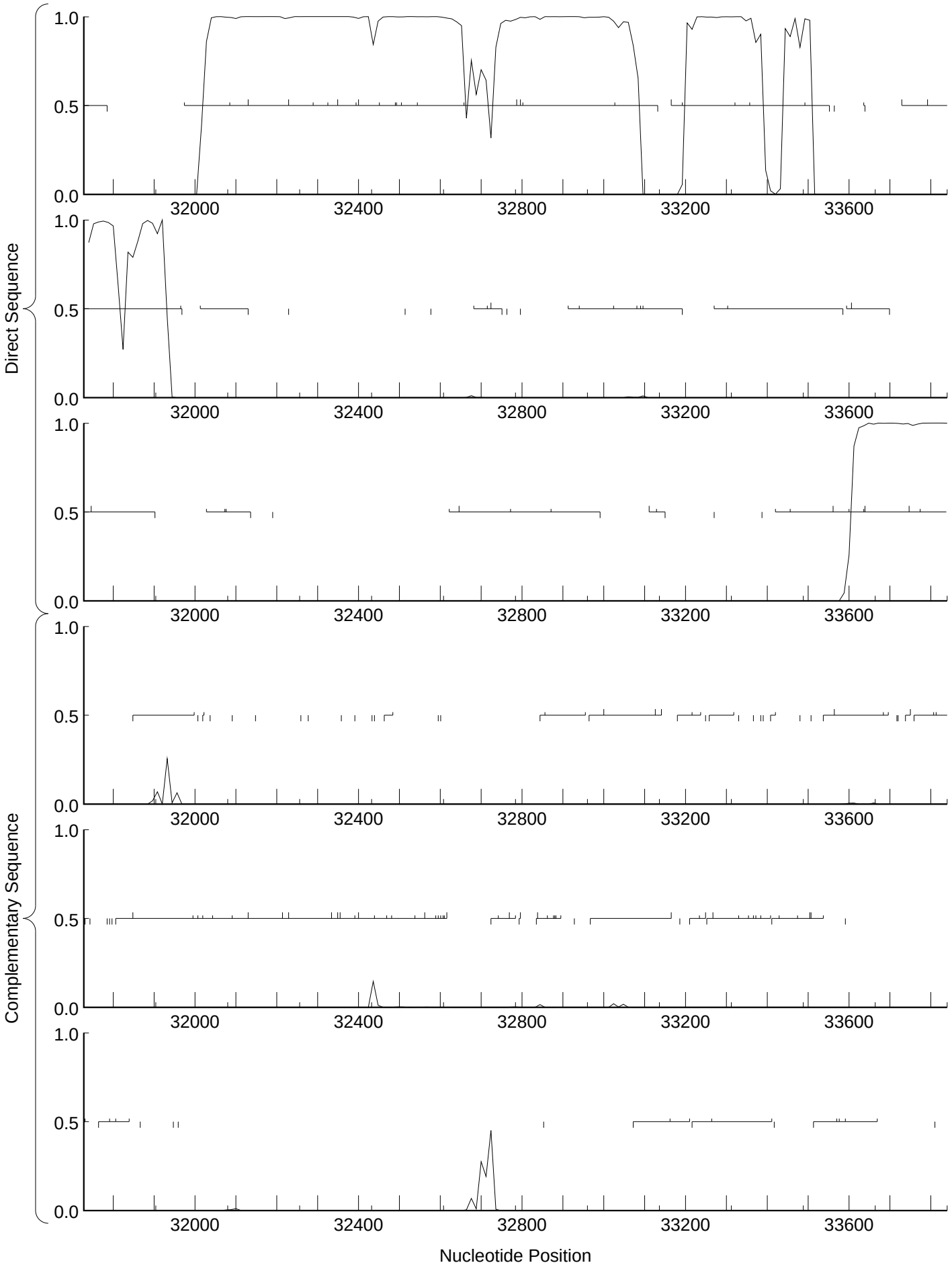

Direct Sequence
Complementary Sequence
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0.5
0.0
25600
26000
26400
26800
27200
Nucleotide Position

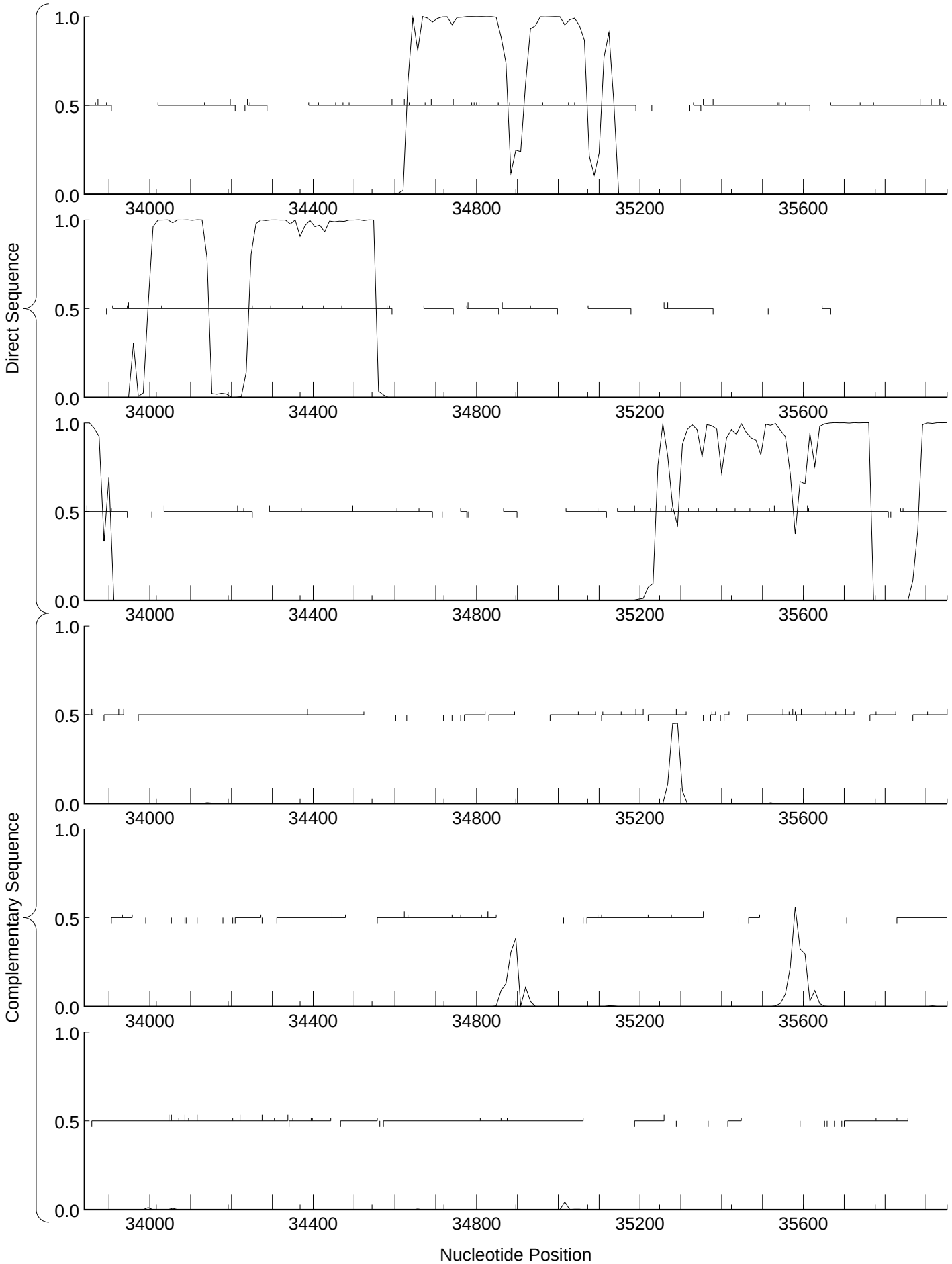

Direct Sequence
Complementary Sequence
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0.5
0.0
27600
28000
28400
28800
29200
29600
Nucleotide Position

erium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 16/34

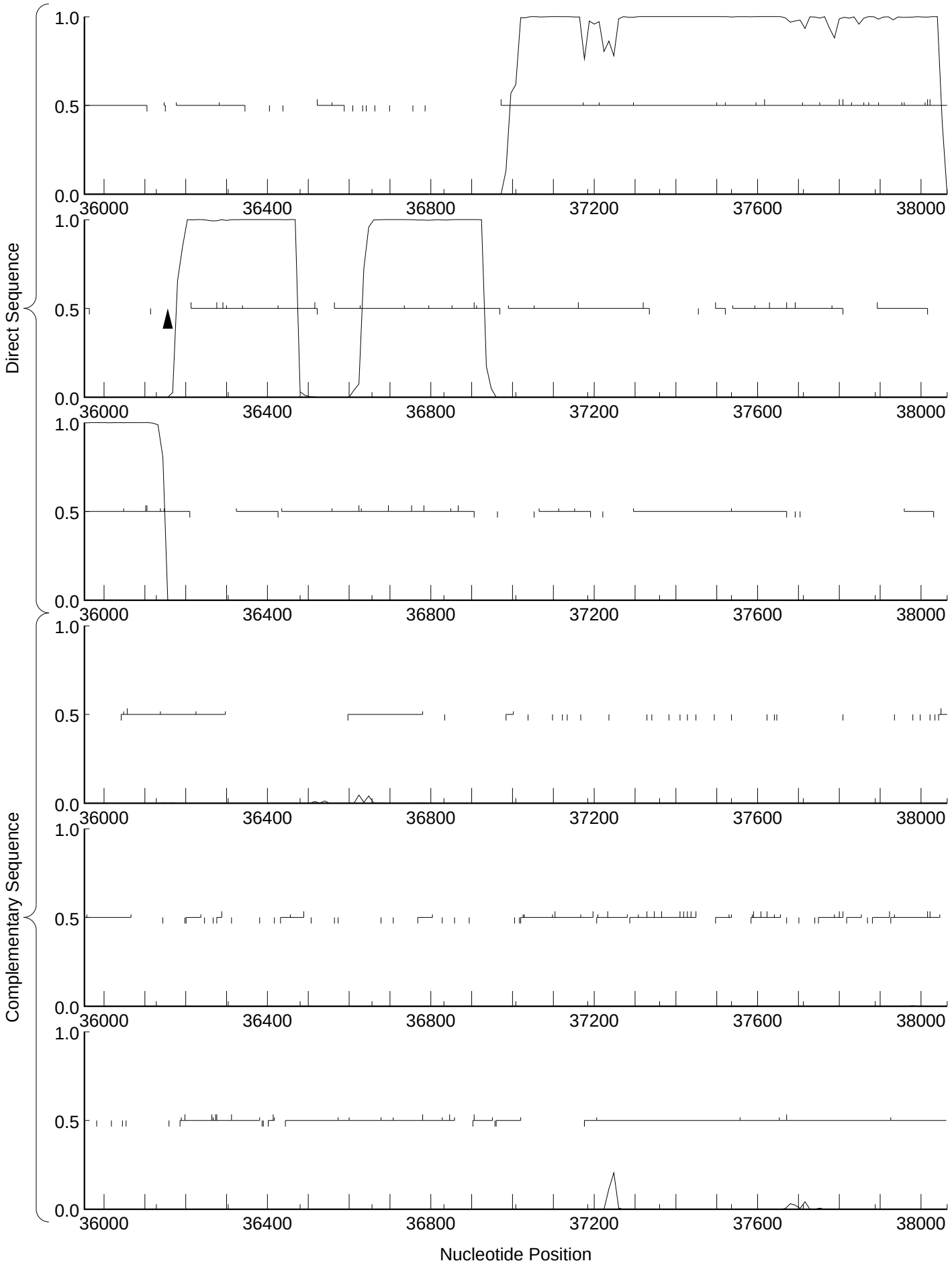


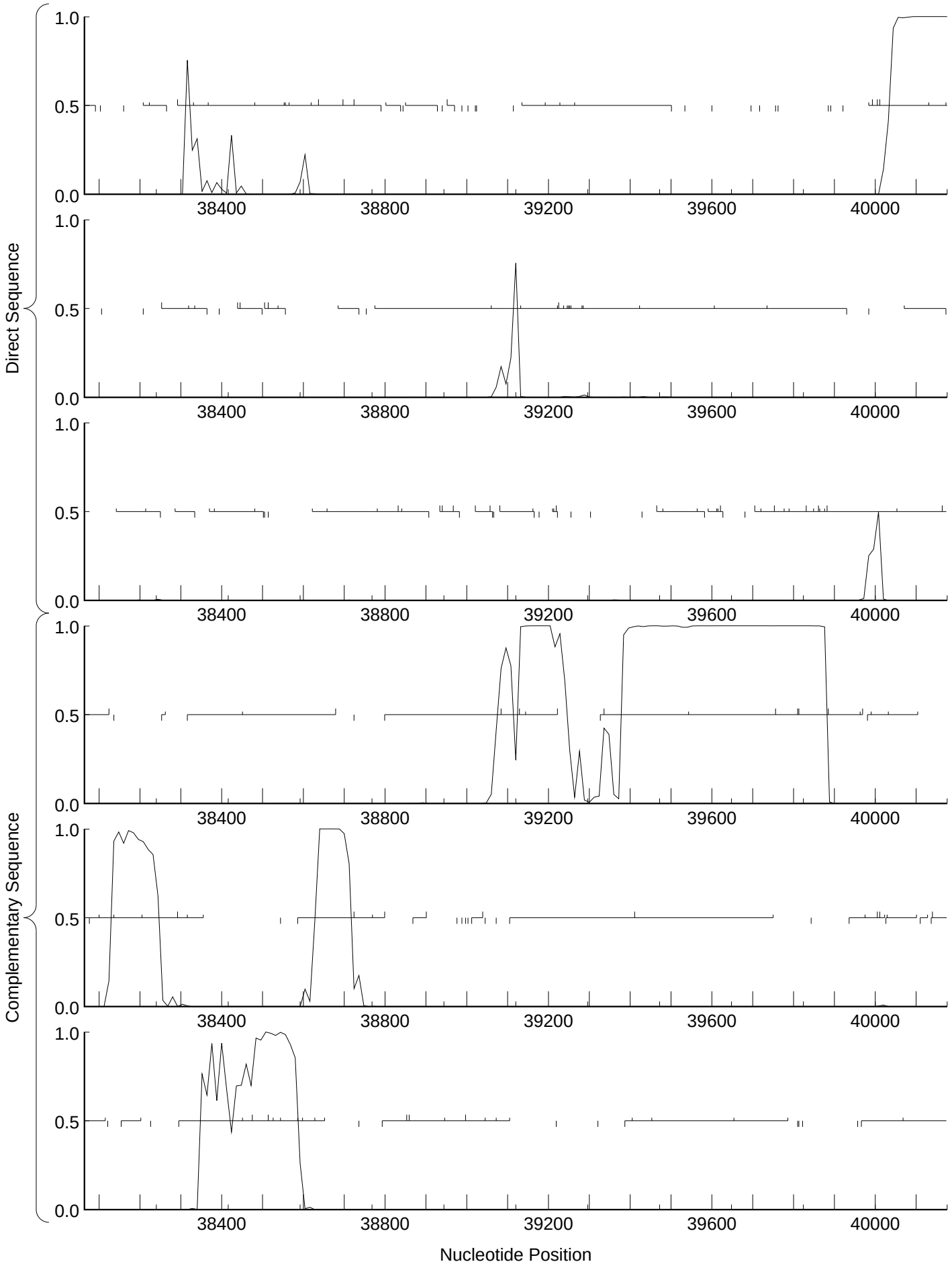
erium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 17/34

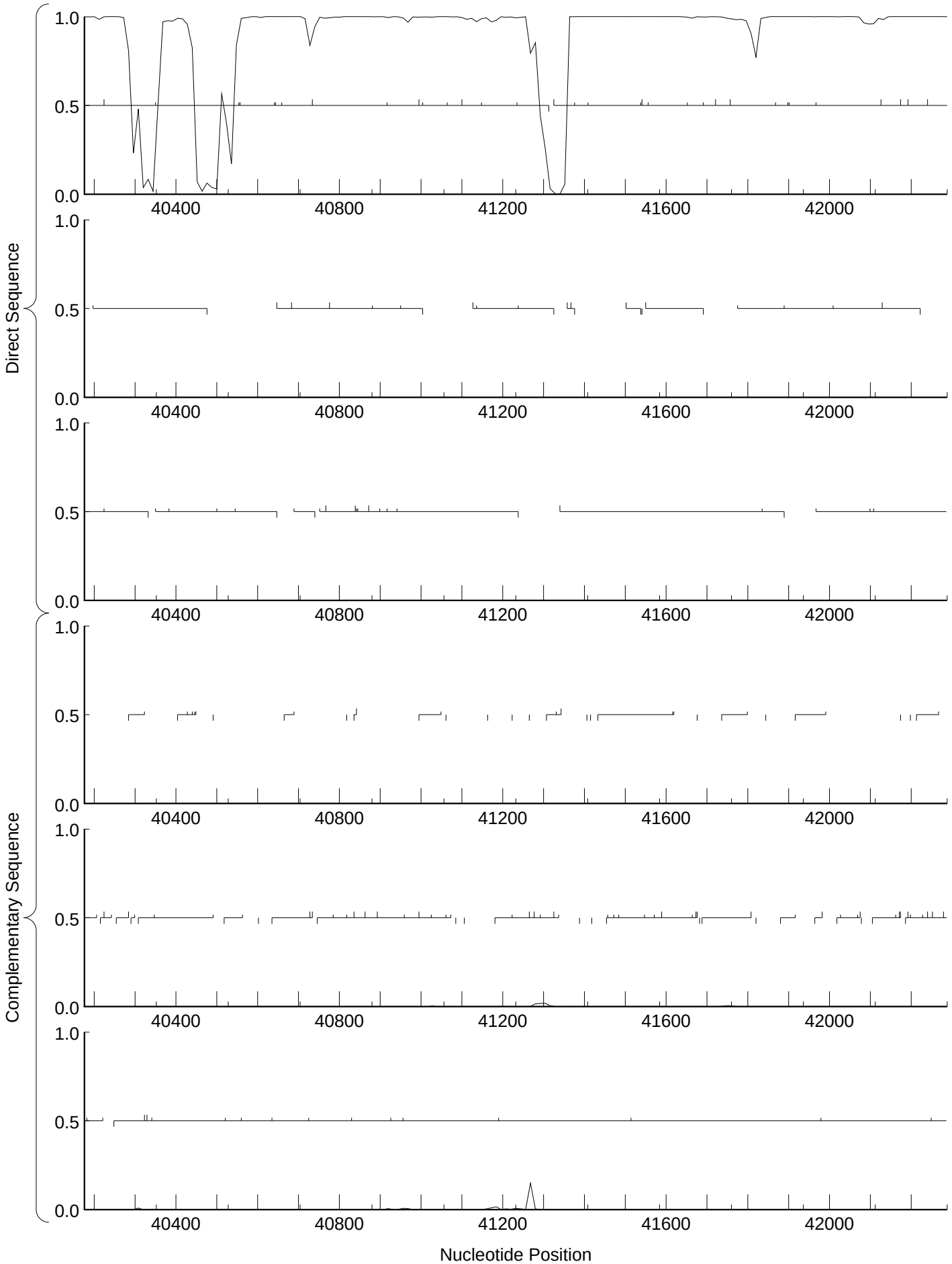


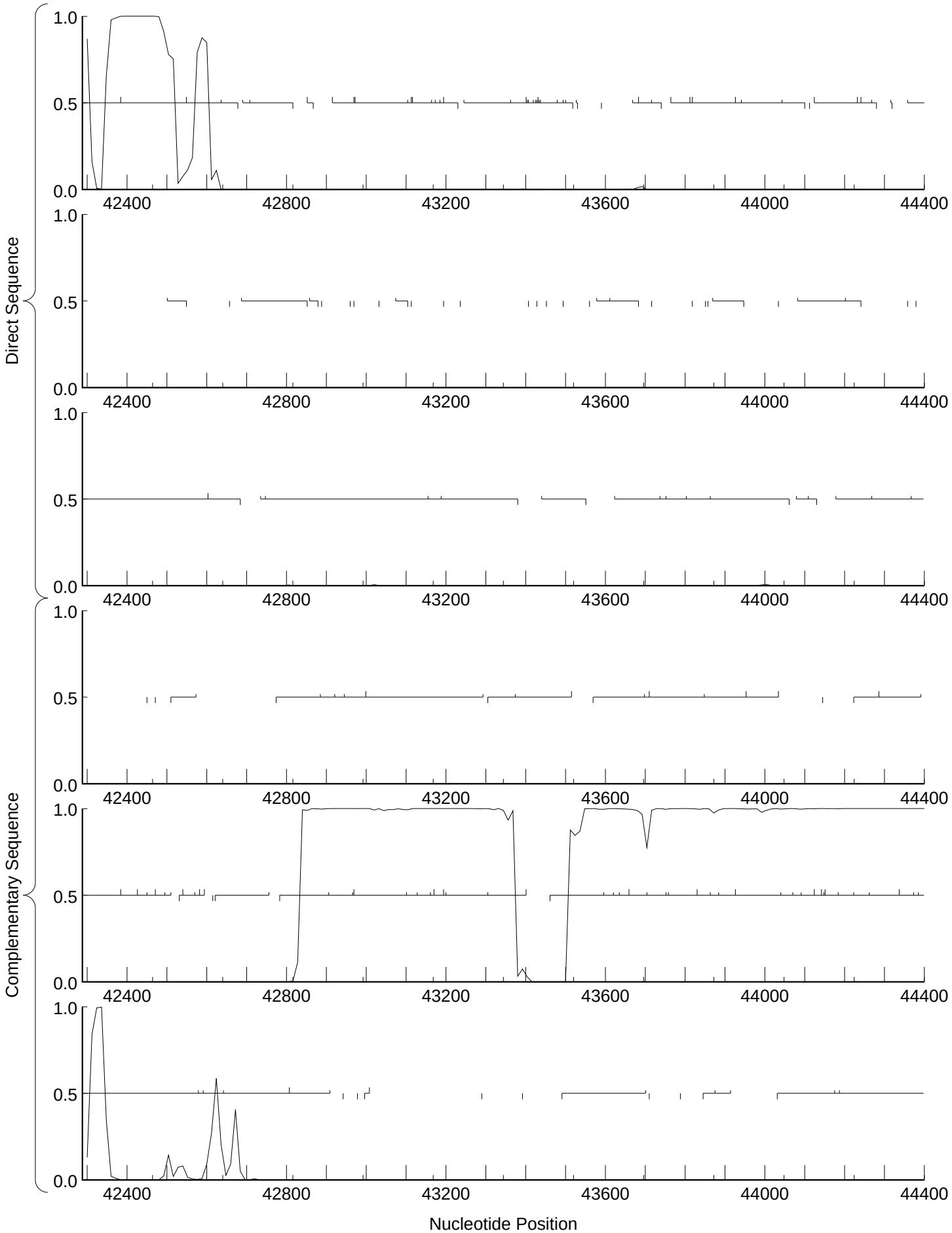

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
34000
34400
34800
35200
35600
Nucleotide Position

erium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 19/34

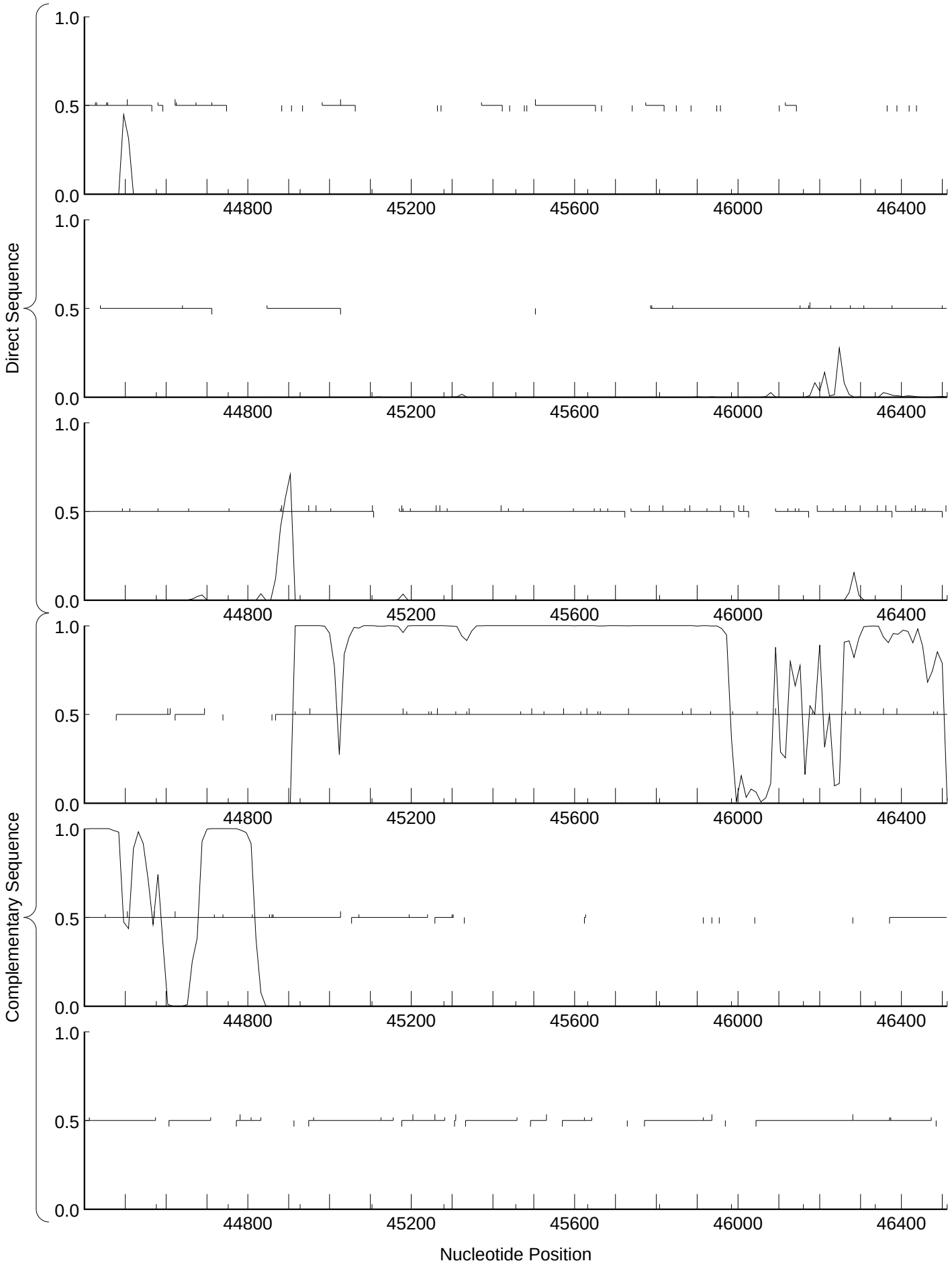


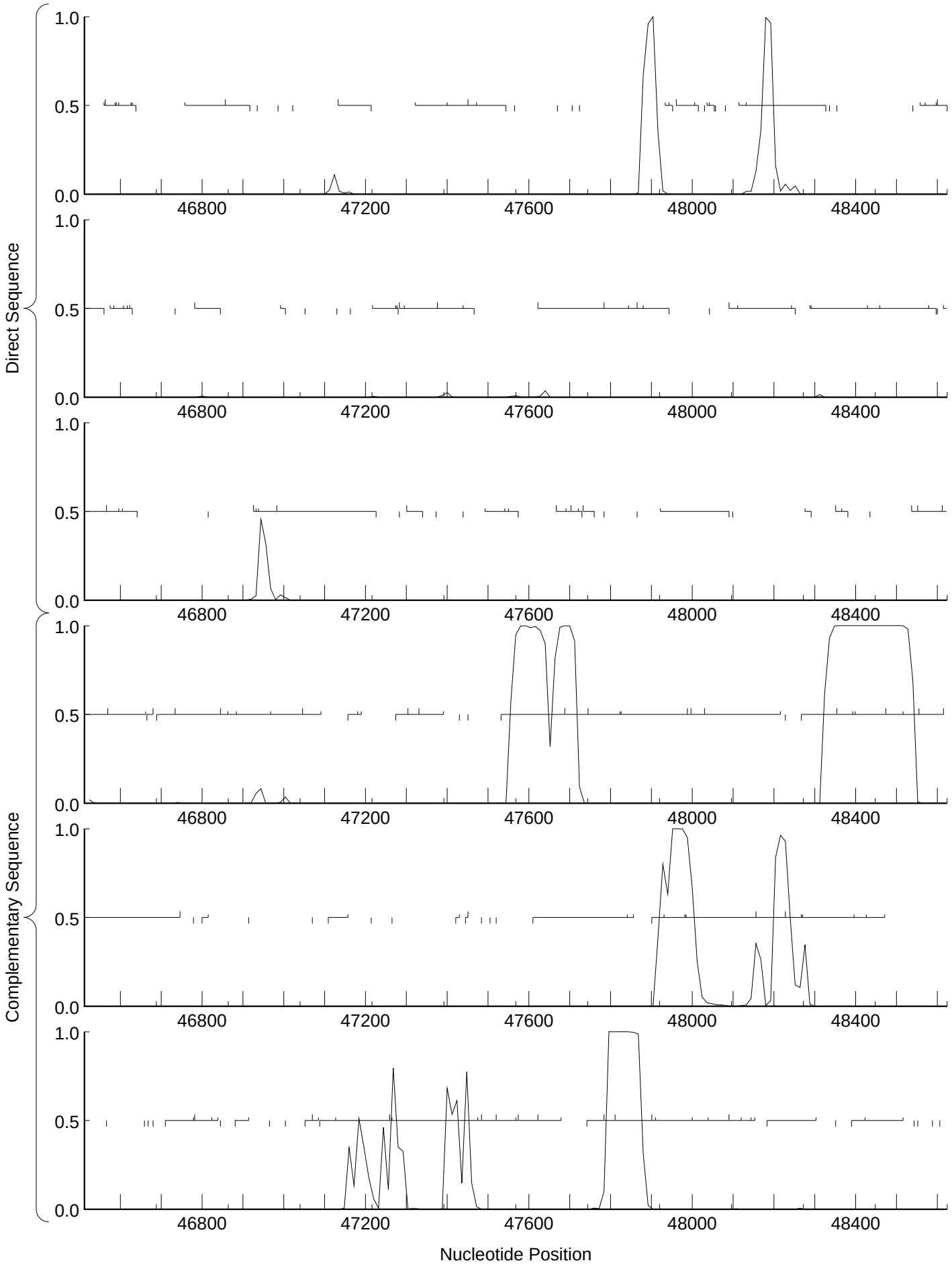

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
38400
38800
39200
39600
40000
Nucleotide Position


Direct Sequence
Complementary Sequence
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40800
41200
41600
42000
Nucleotide Position

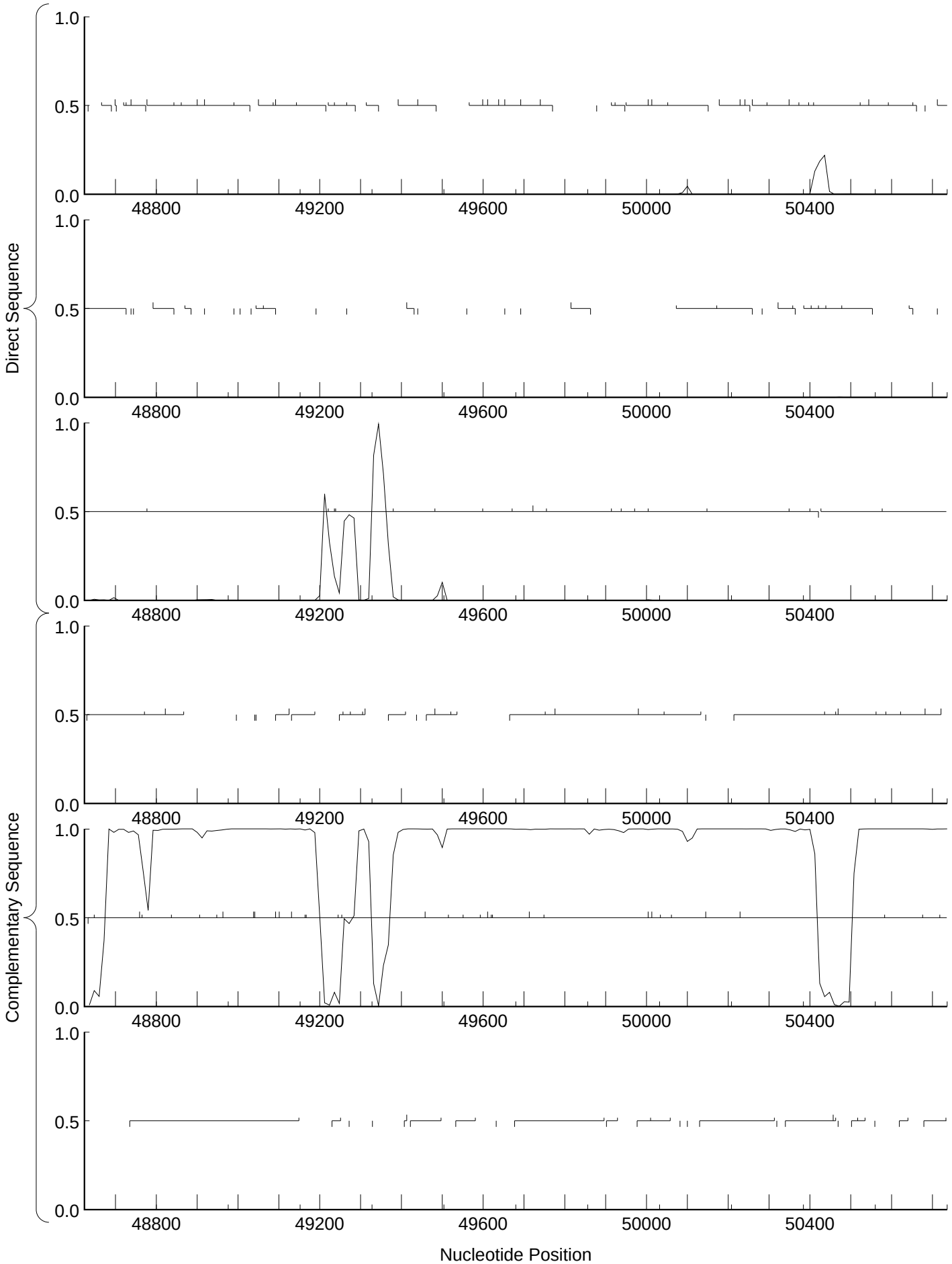

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Complementary Sequence
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43600
44000
44400
Nucleotide Position

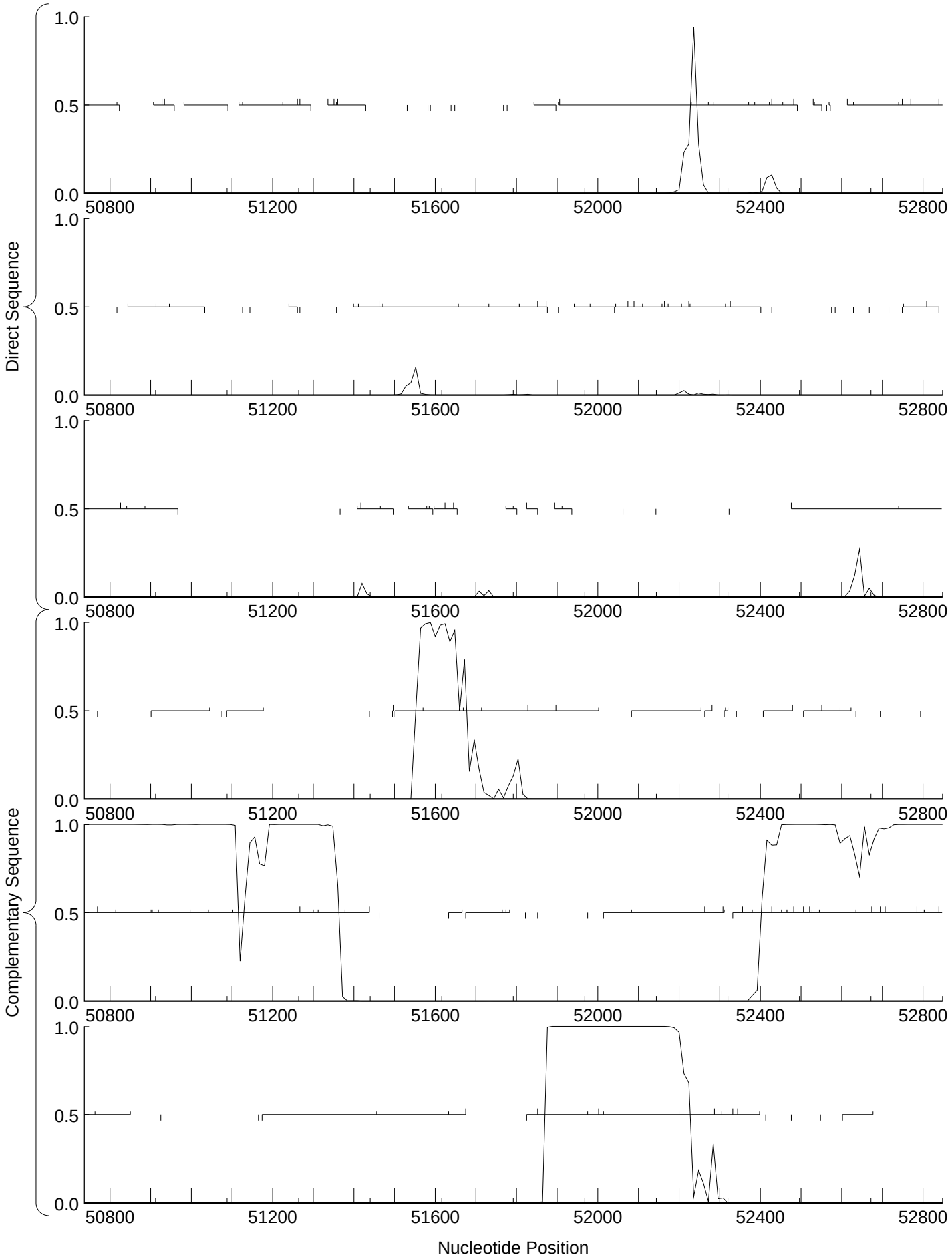
erium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 23/34

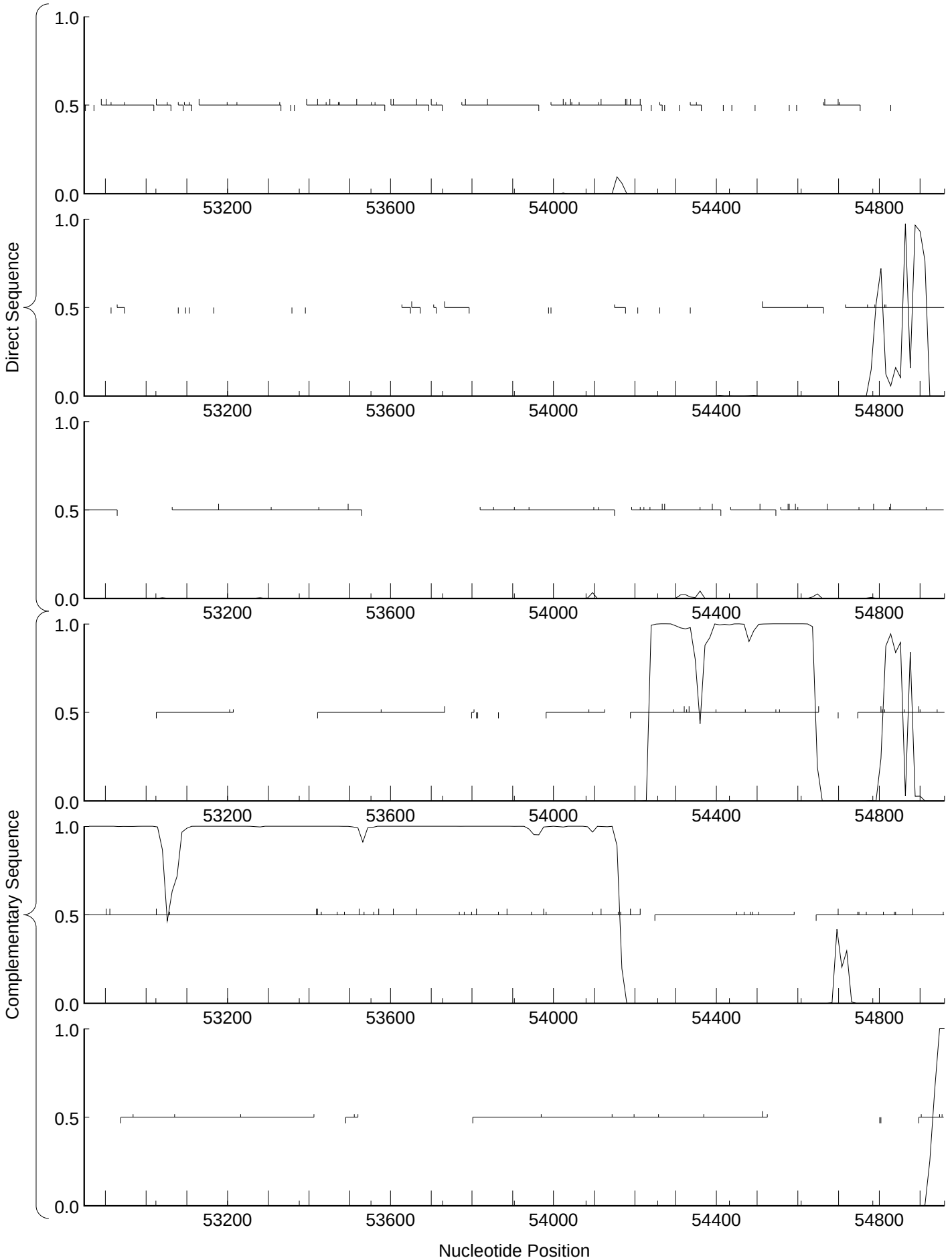


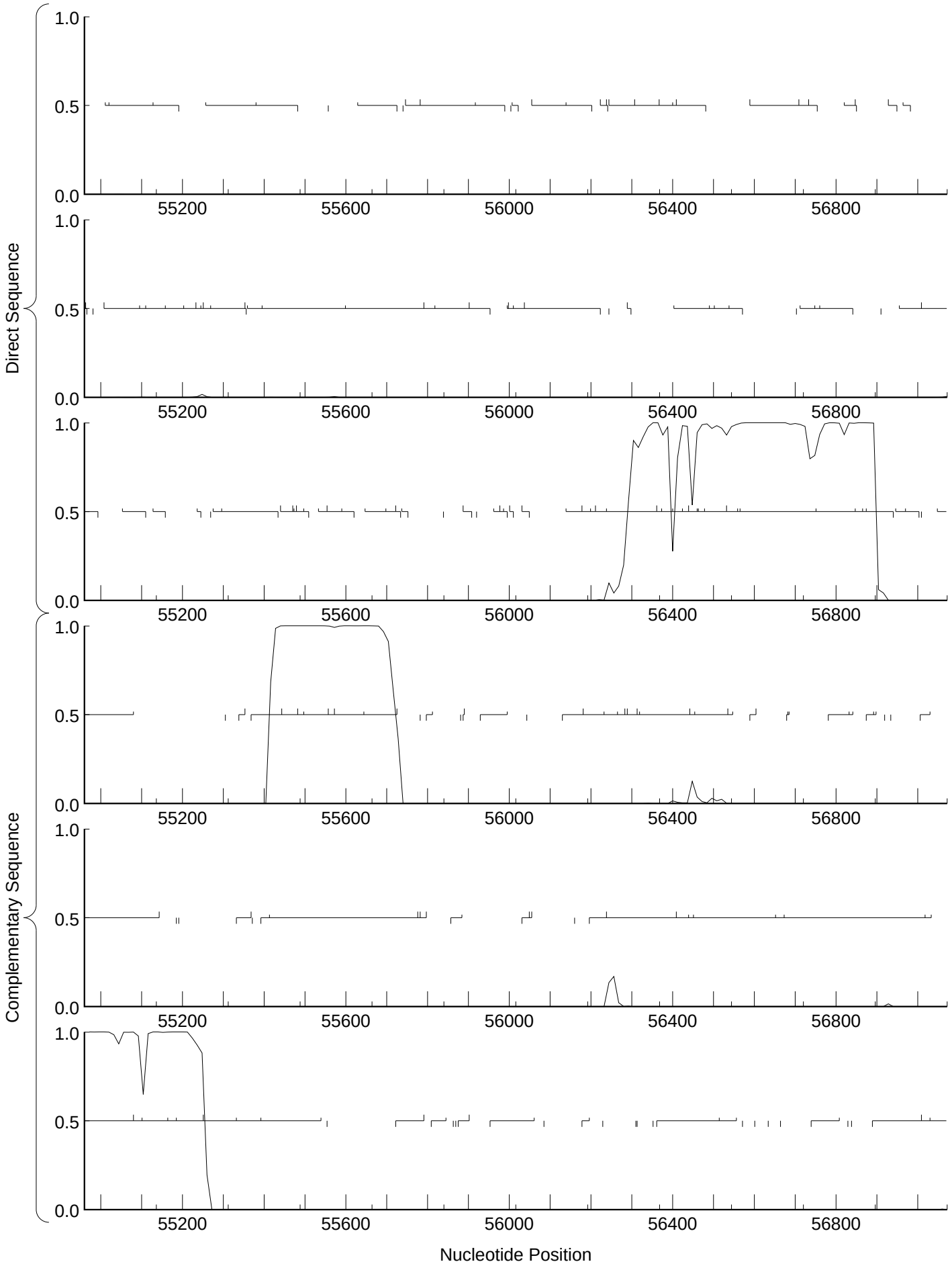

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Complementary Sequence
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0.0
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47600
48000
48400
Nucleotide Position

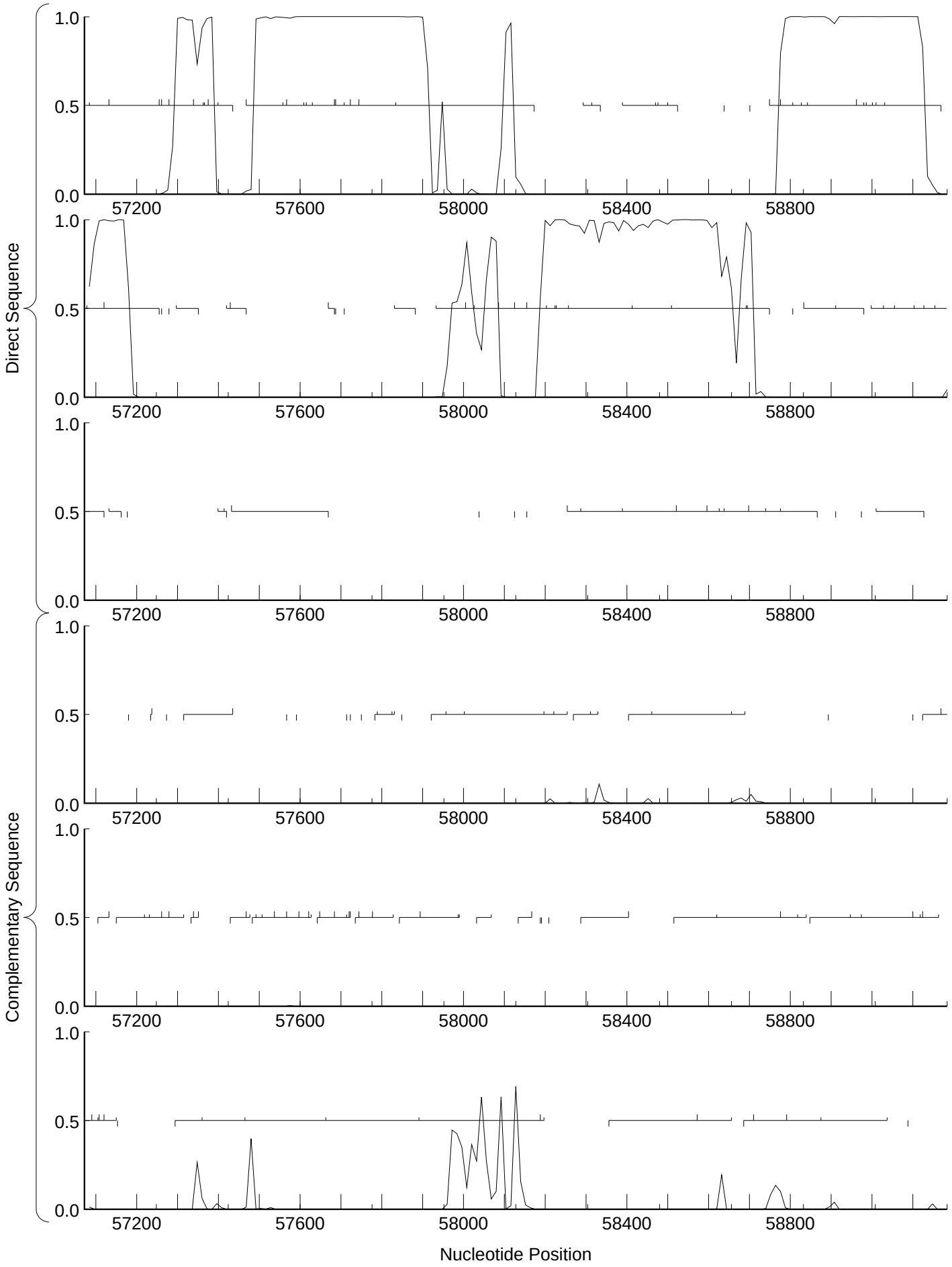
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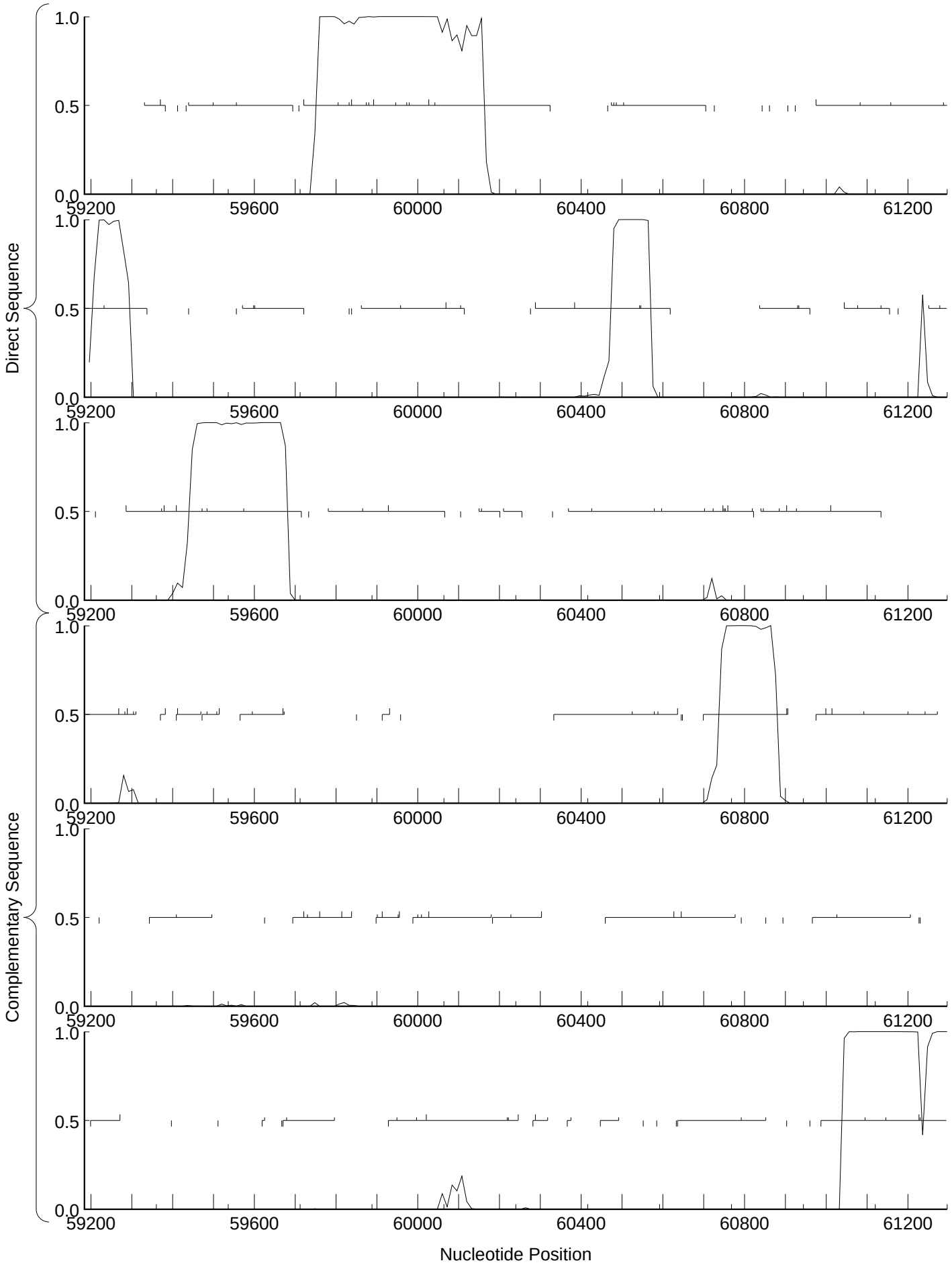

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Complementary Sequence
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52400
52800
Nucleotide Position

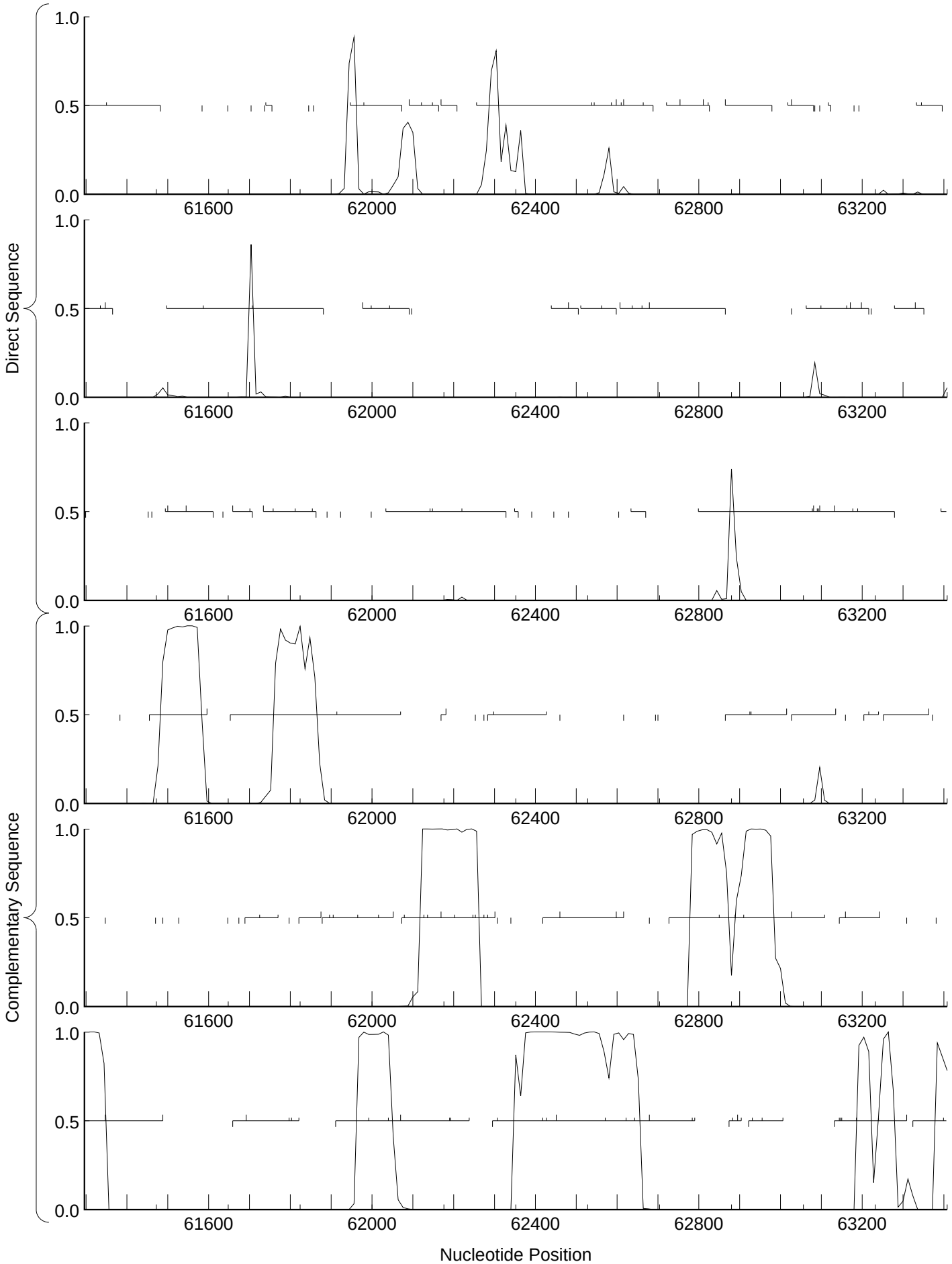

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Complementary Sequence
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54800
Nucleotide Position

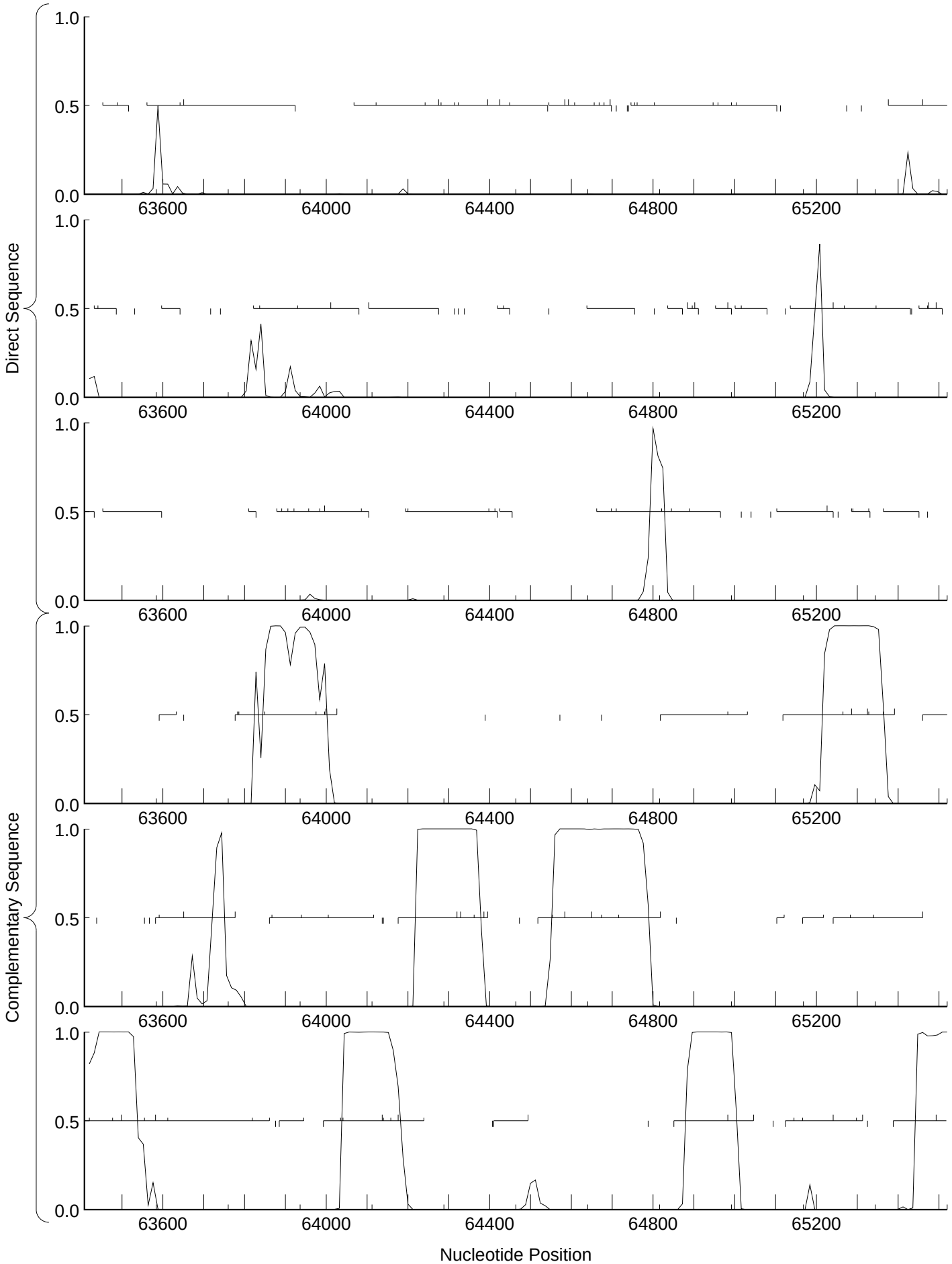

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Complementary Sequence
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55200
55600
56000
56400
56800
Nucleotide Position


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Complementary Sequence
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57200
57600
58000
58400
58800
Nucleotide Position

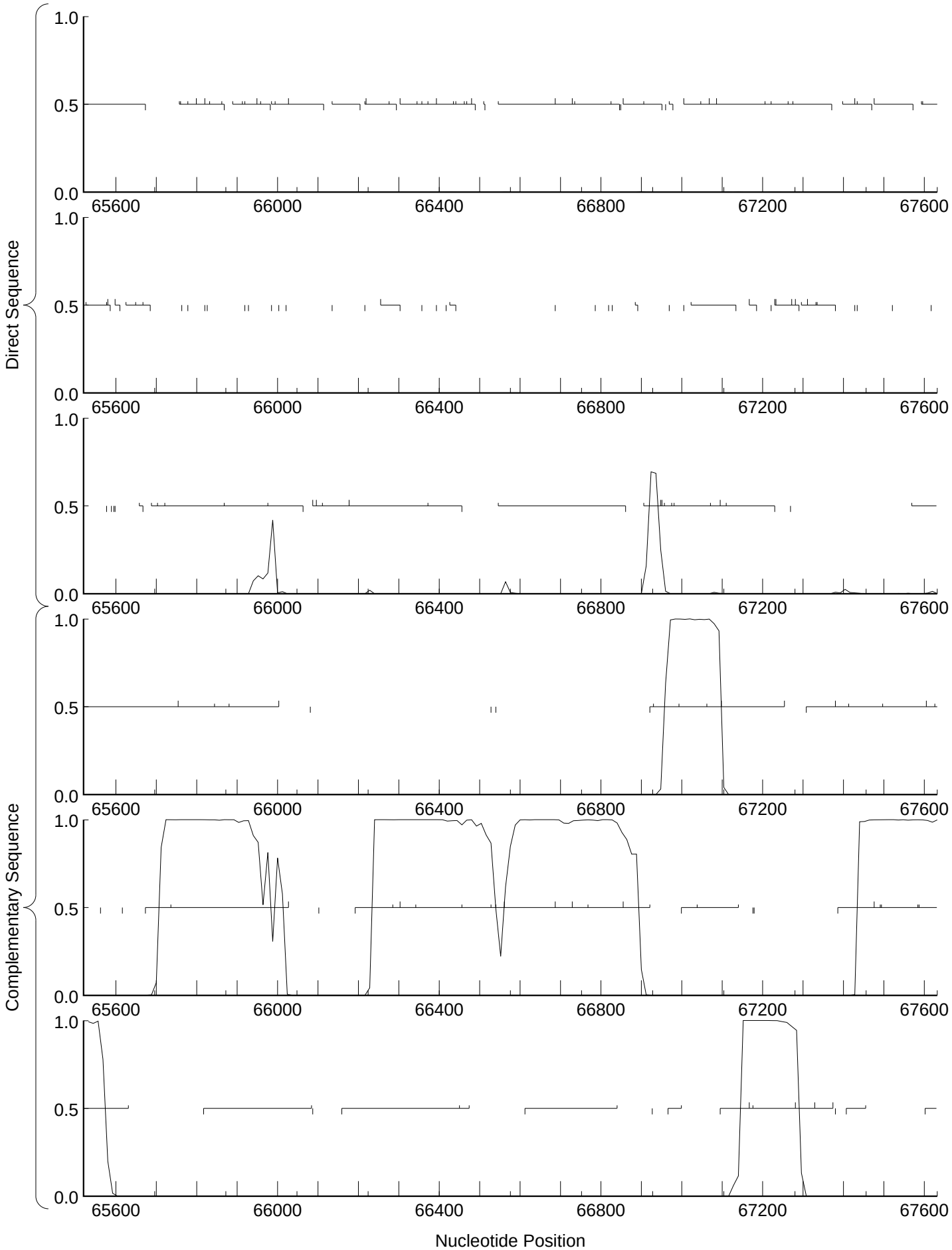
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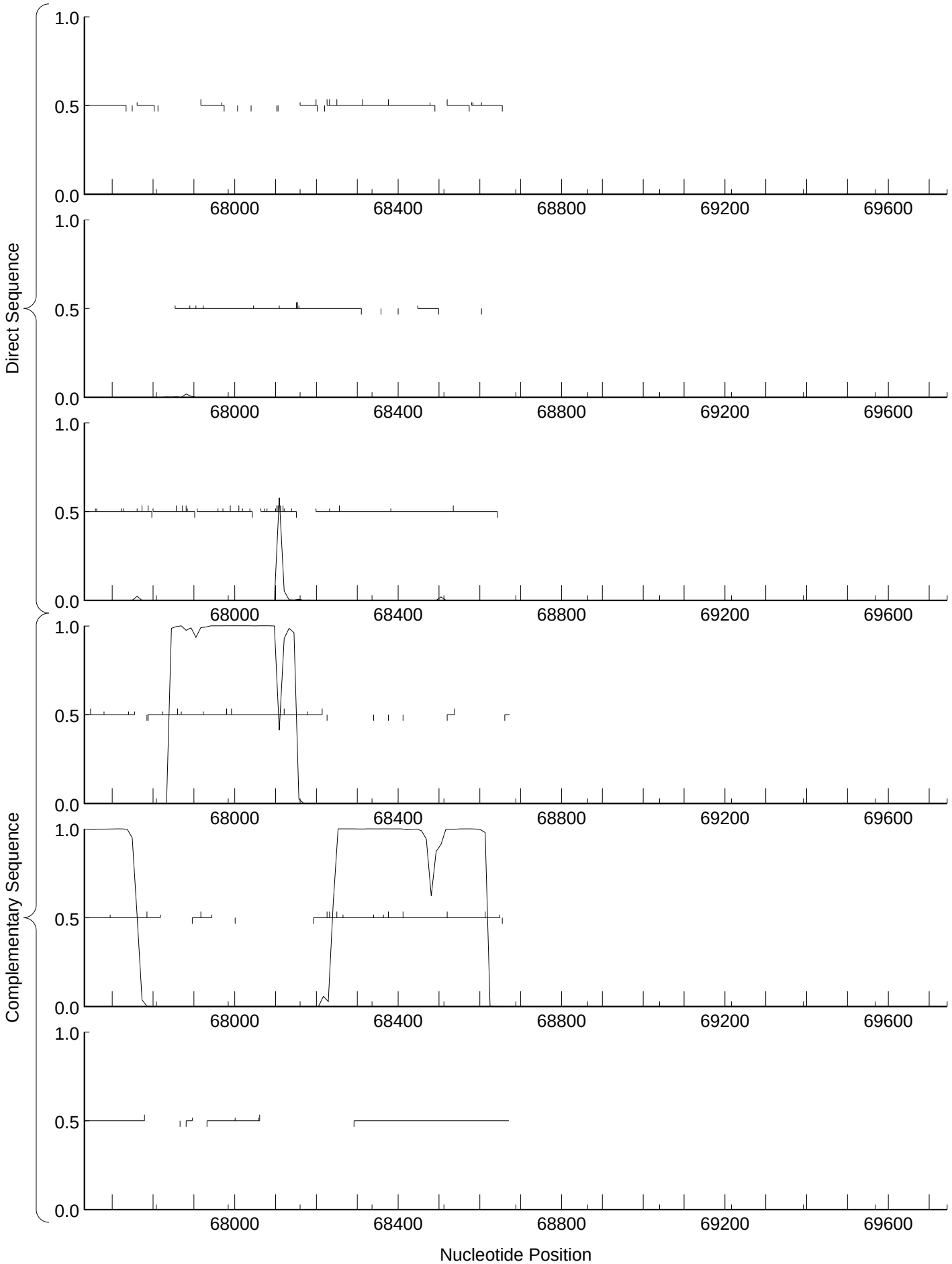



Direct Sequence
Complementary Sequence
1.0
0.5
0.0
61600
62000
62400
62800
63200
Nucleotide Position


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
63600
64000
64400
64800
65200
Nucleotide Position

erium phage PhrankReynolds complete sequence, 68721 bp, circularly permuted, Cluster B1, Order 4, Window 96, Step 12, 33/34




Direct Sequence
Complementary Sequence
1.0
0.5
0.0
68000
68400
68800
69200
69600
Nucleotide Position