GeneMark

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

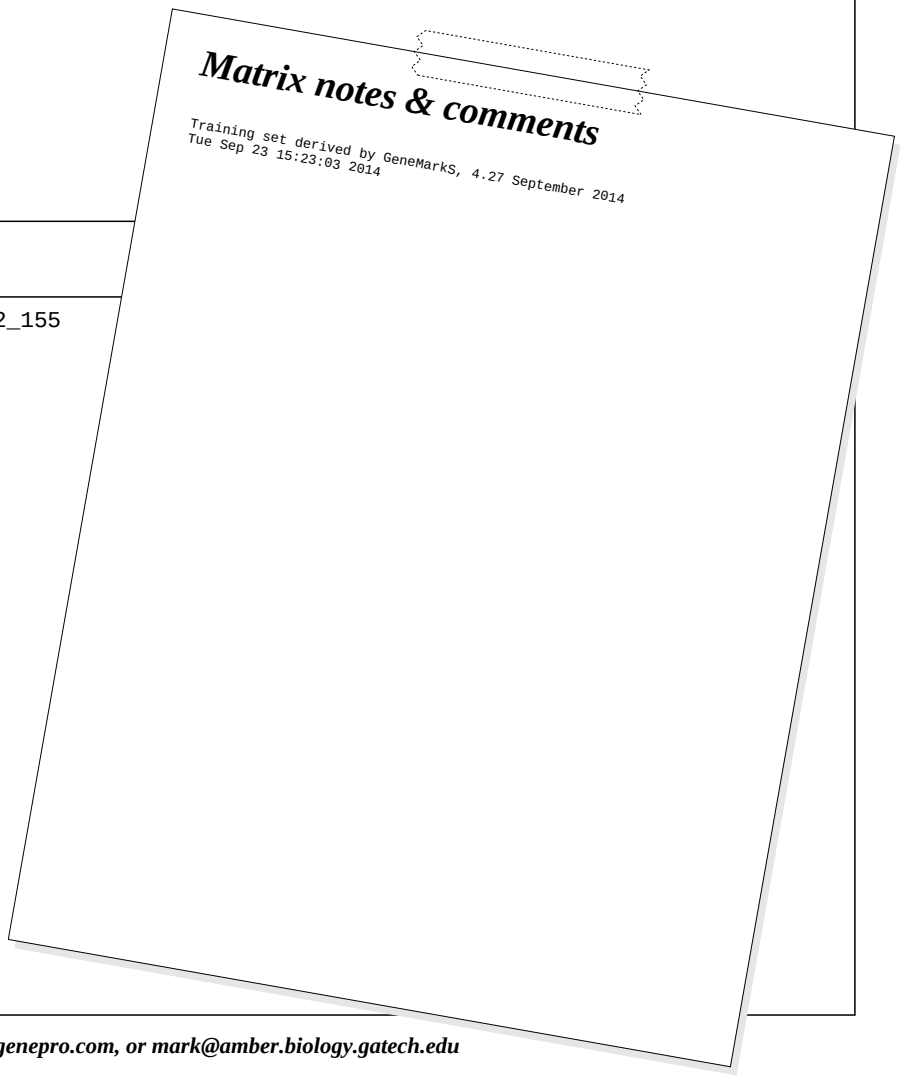
PROGRAM INFORMATION

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Analysis Date    :  3/28/24 at 4:51:20
Pages            :  75
Sequence Length  :  154462 bp
GC Content       :   64.74%

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

PS-Version       :  1.2

GeneMark Options :  PostScript graph,
                    Mark ORFs / splice sites,
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MATRIX INFORMATION

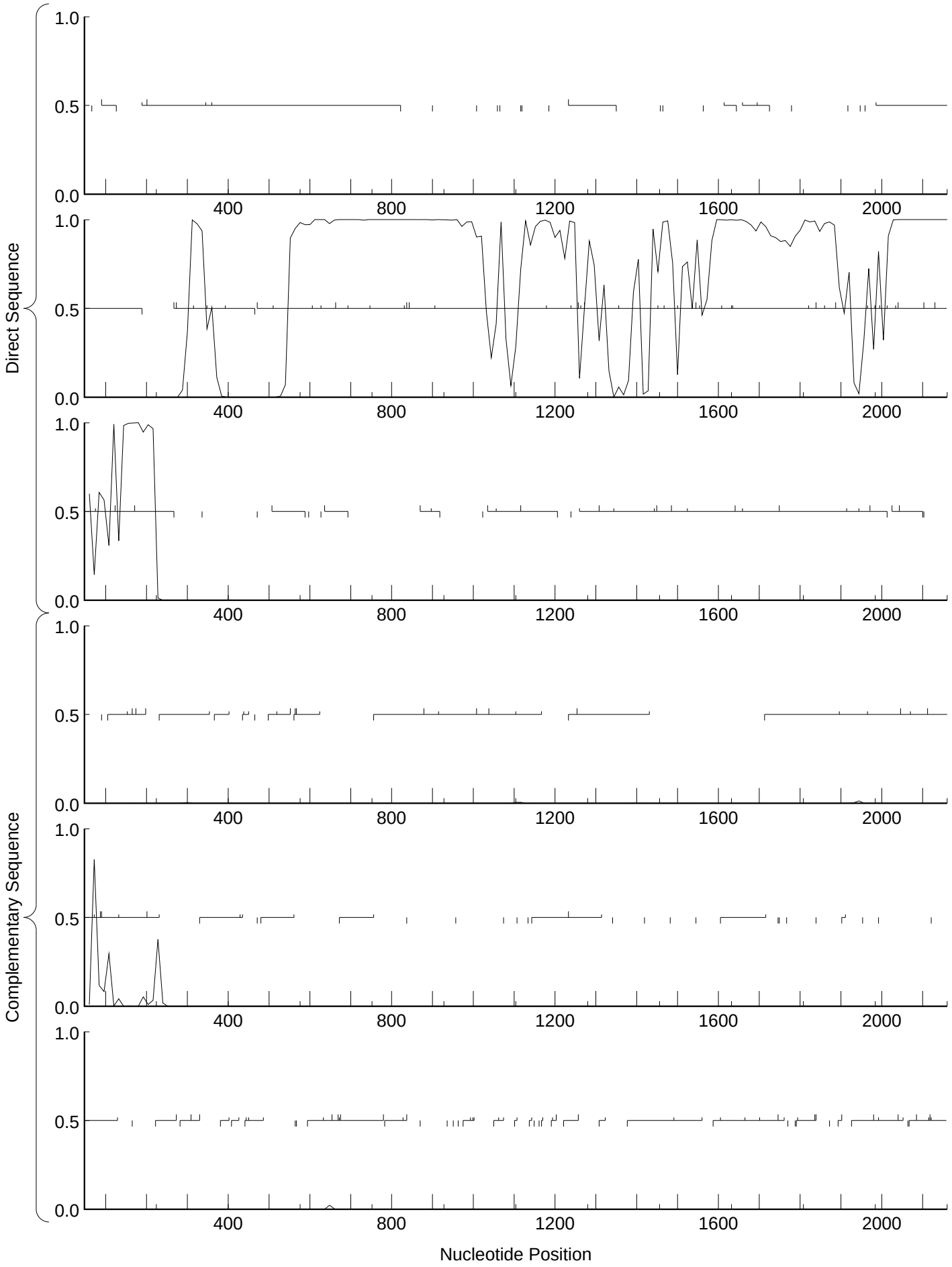
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Matrix     :  Mycobacterium_smegmatis_MC2_155
Author     :  -

Order      :  4
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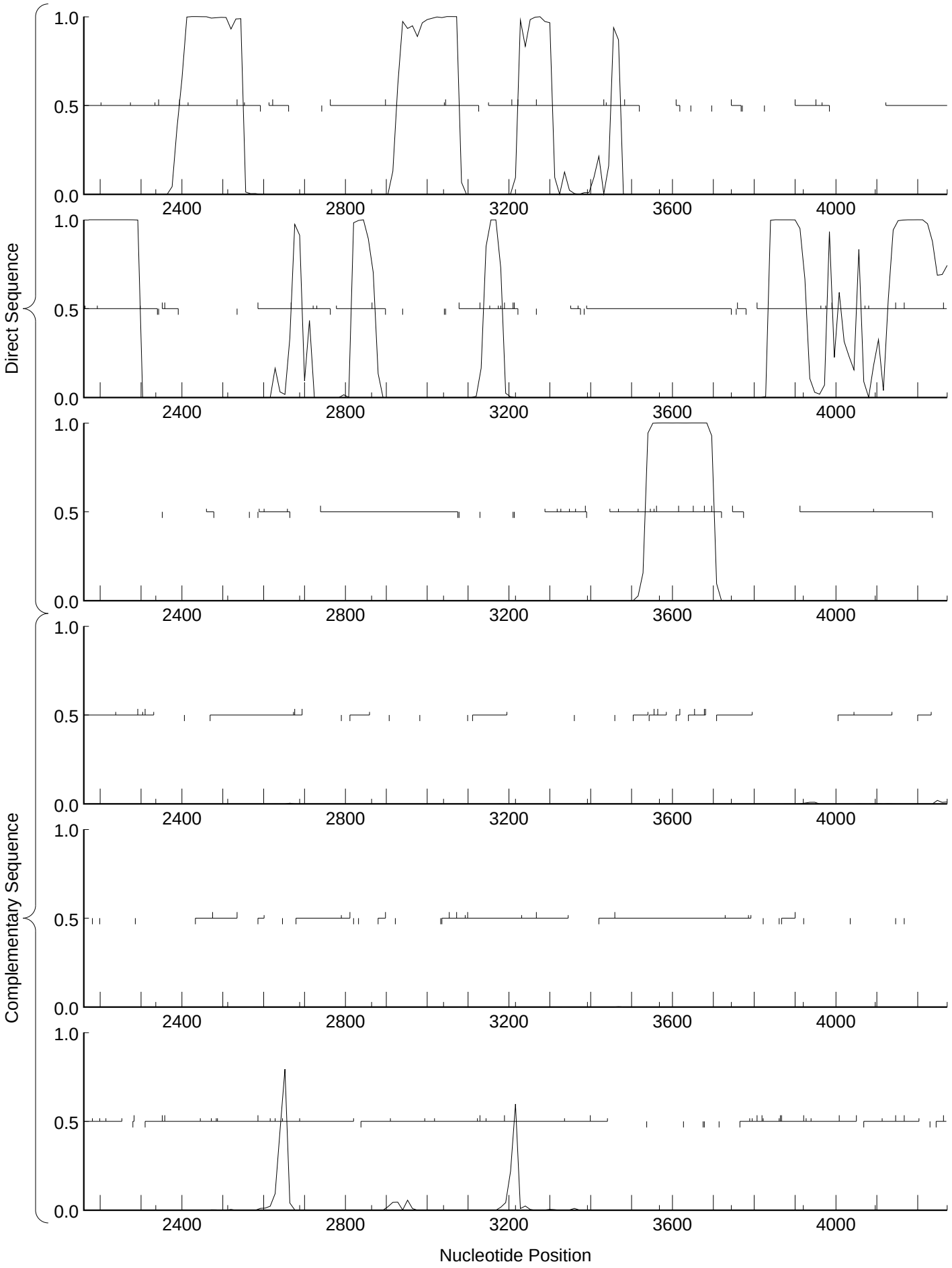

```
  Send questions / comments to:
      Dr. M. Borodovsky
      Georgia Institute of Technology
      School of Biology
      Atlanta, GA  30332-0230
```


For help or information, send electronic mail to: custserv@genepro.com, or mark@amber.biology.gatech.edu

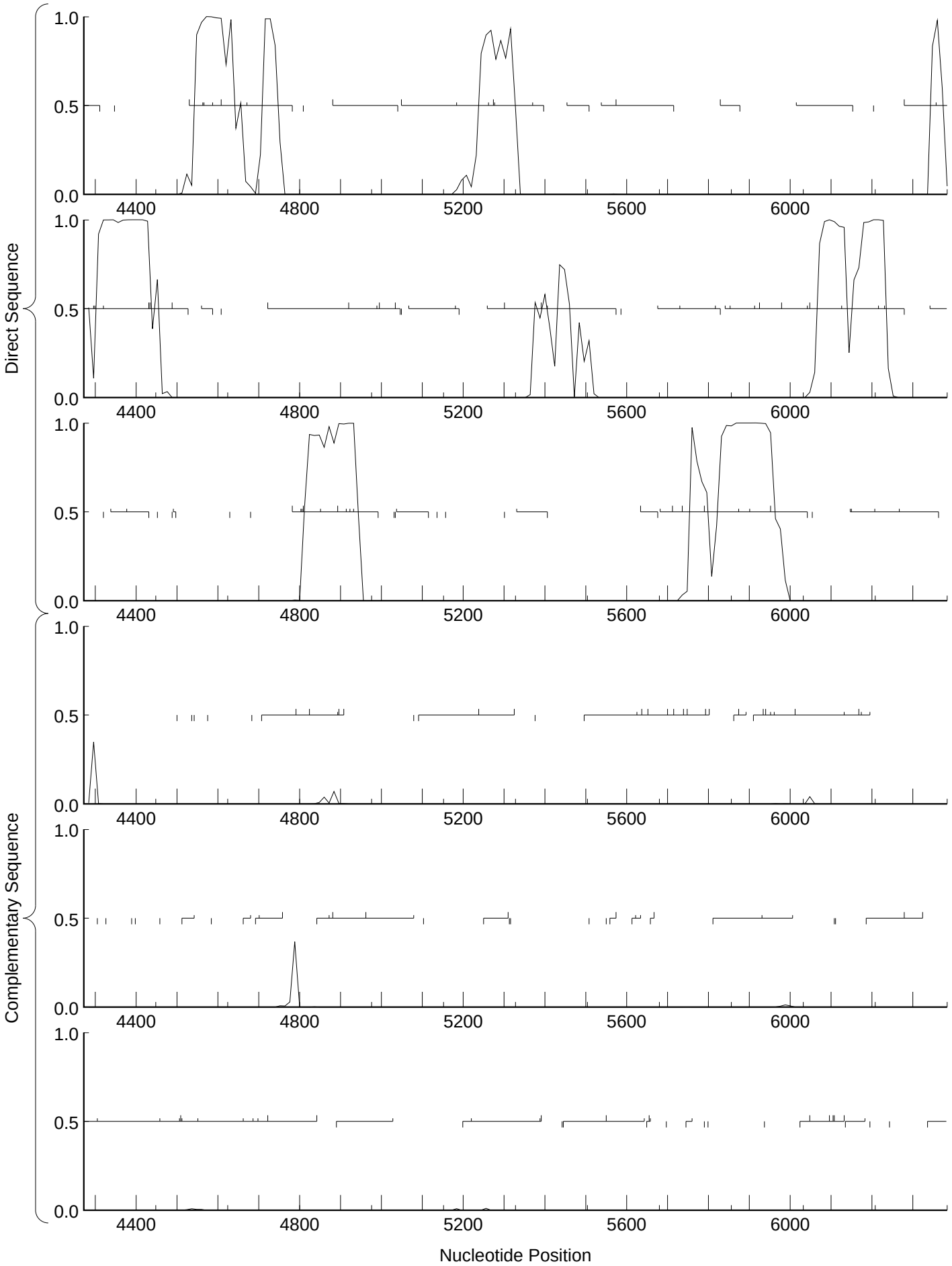
obacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 2/75



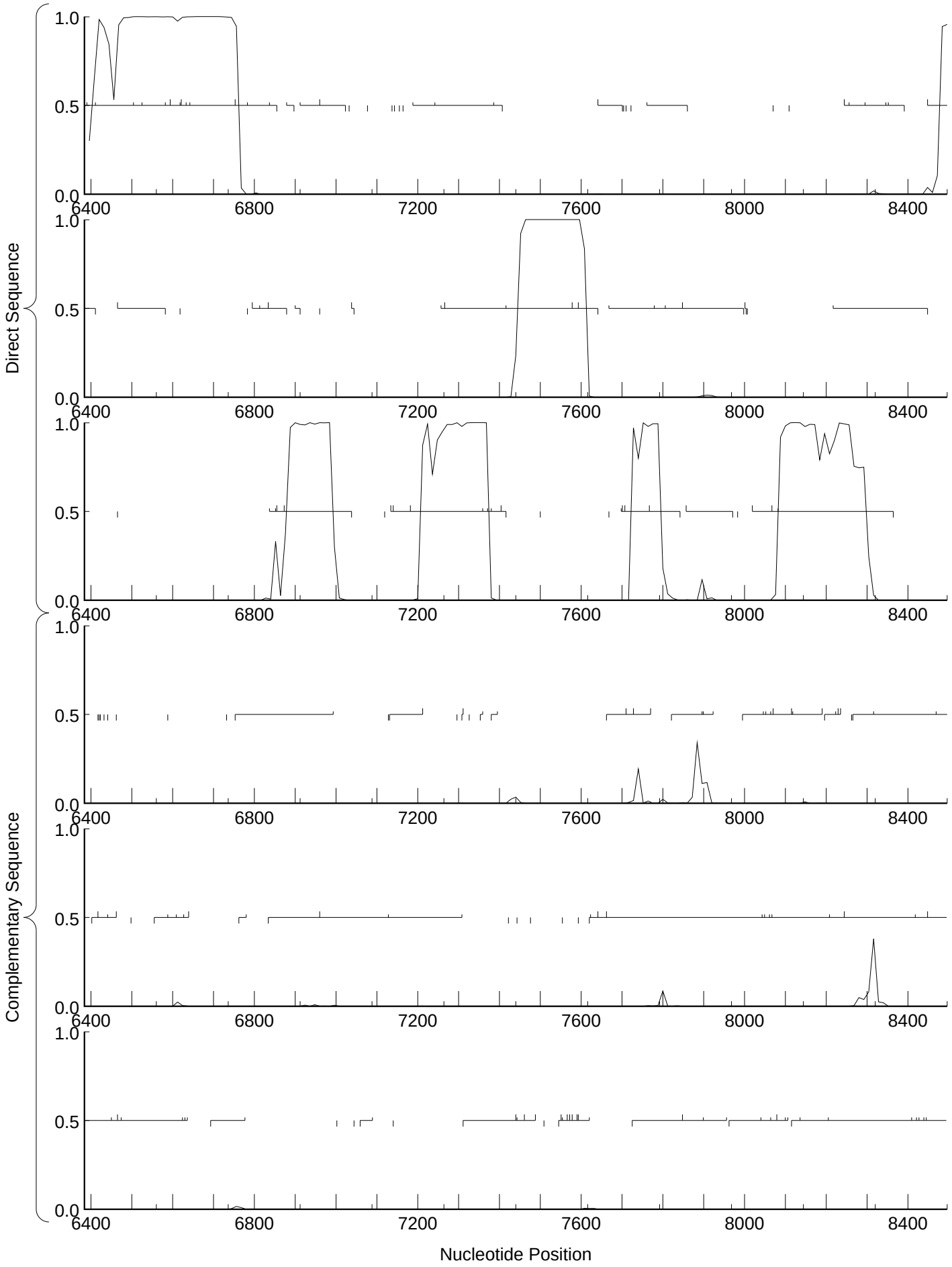
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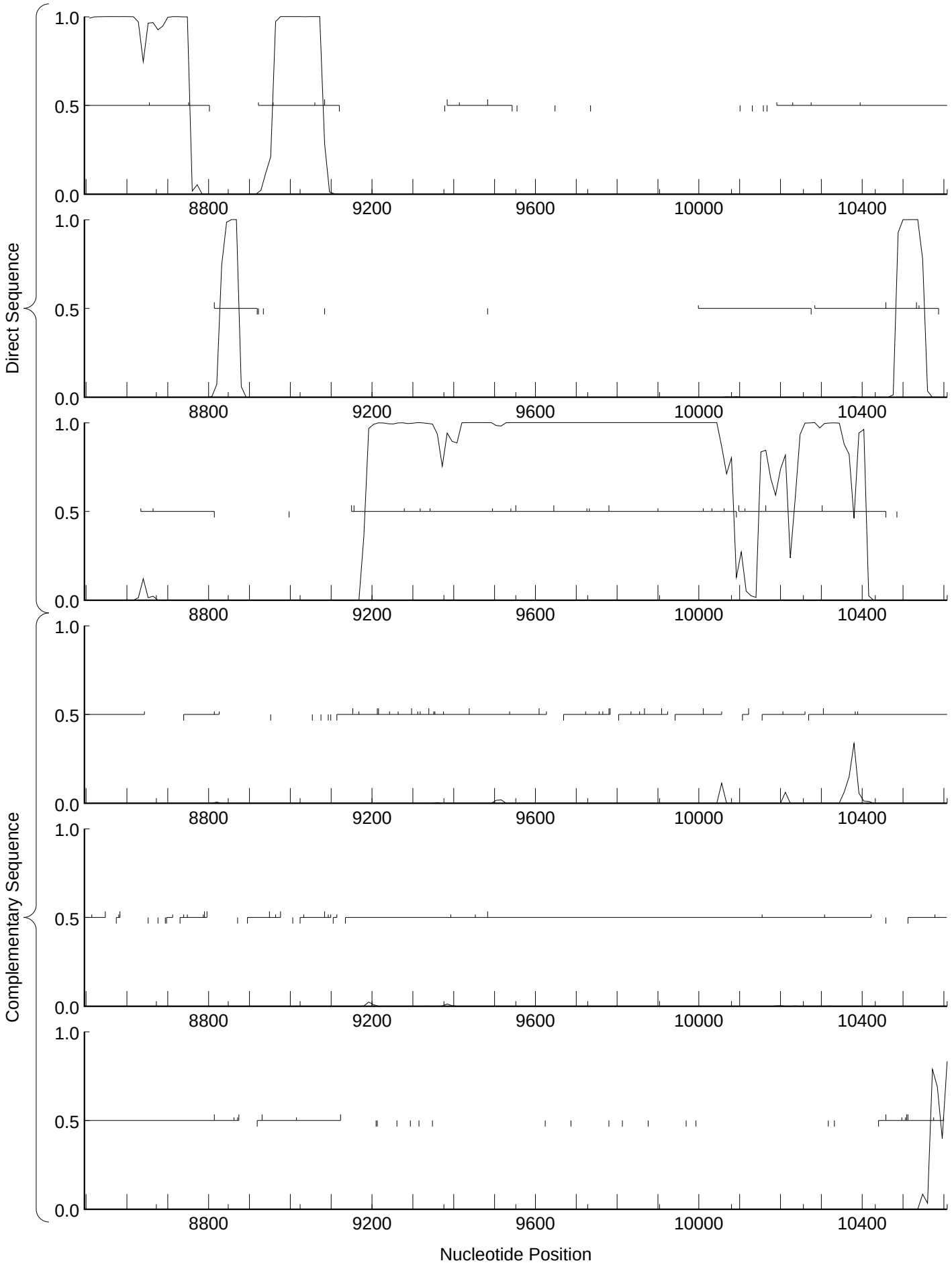
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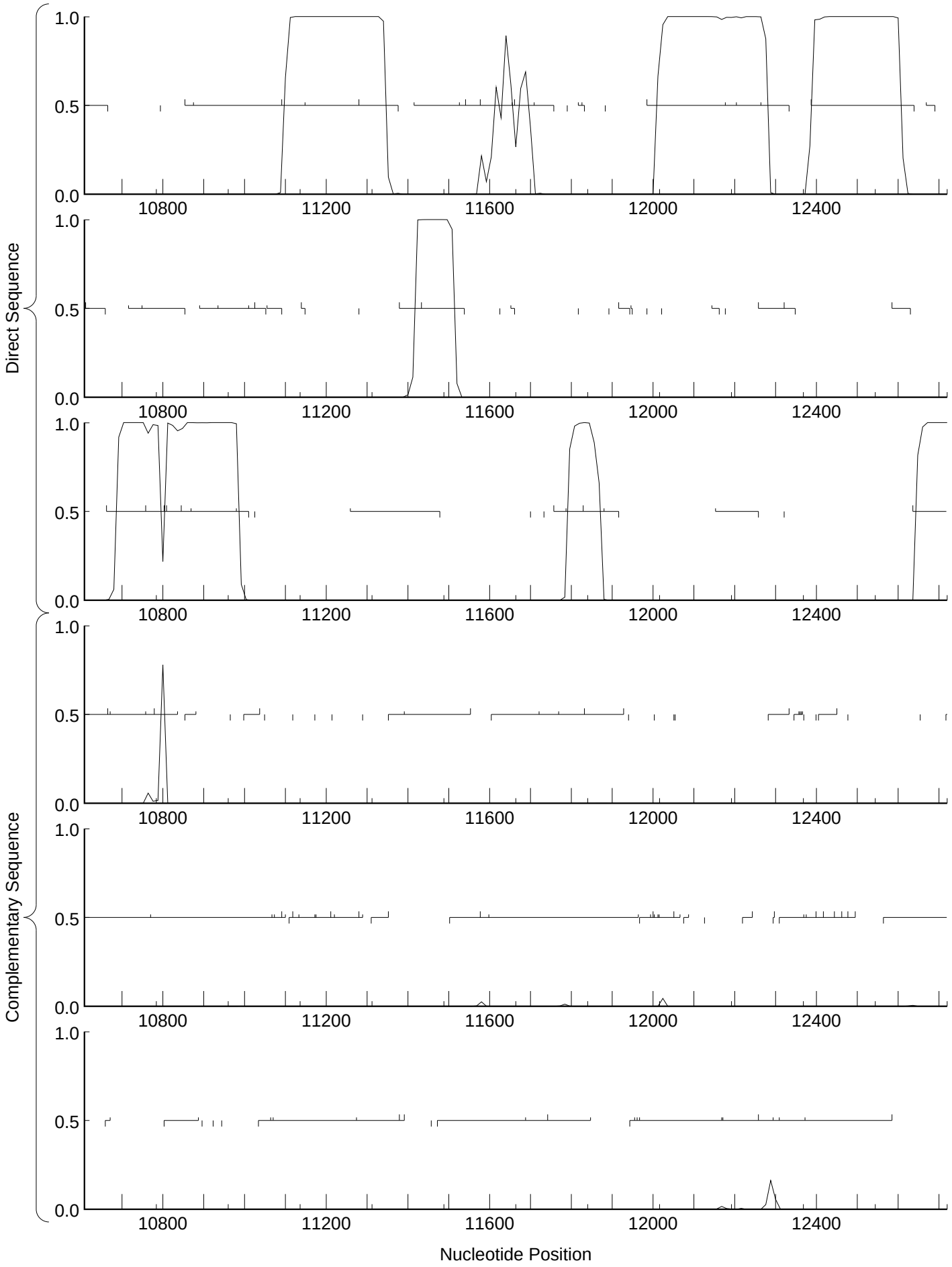
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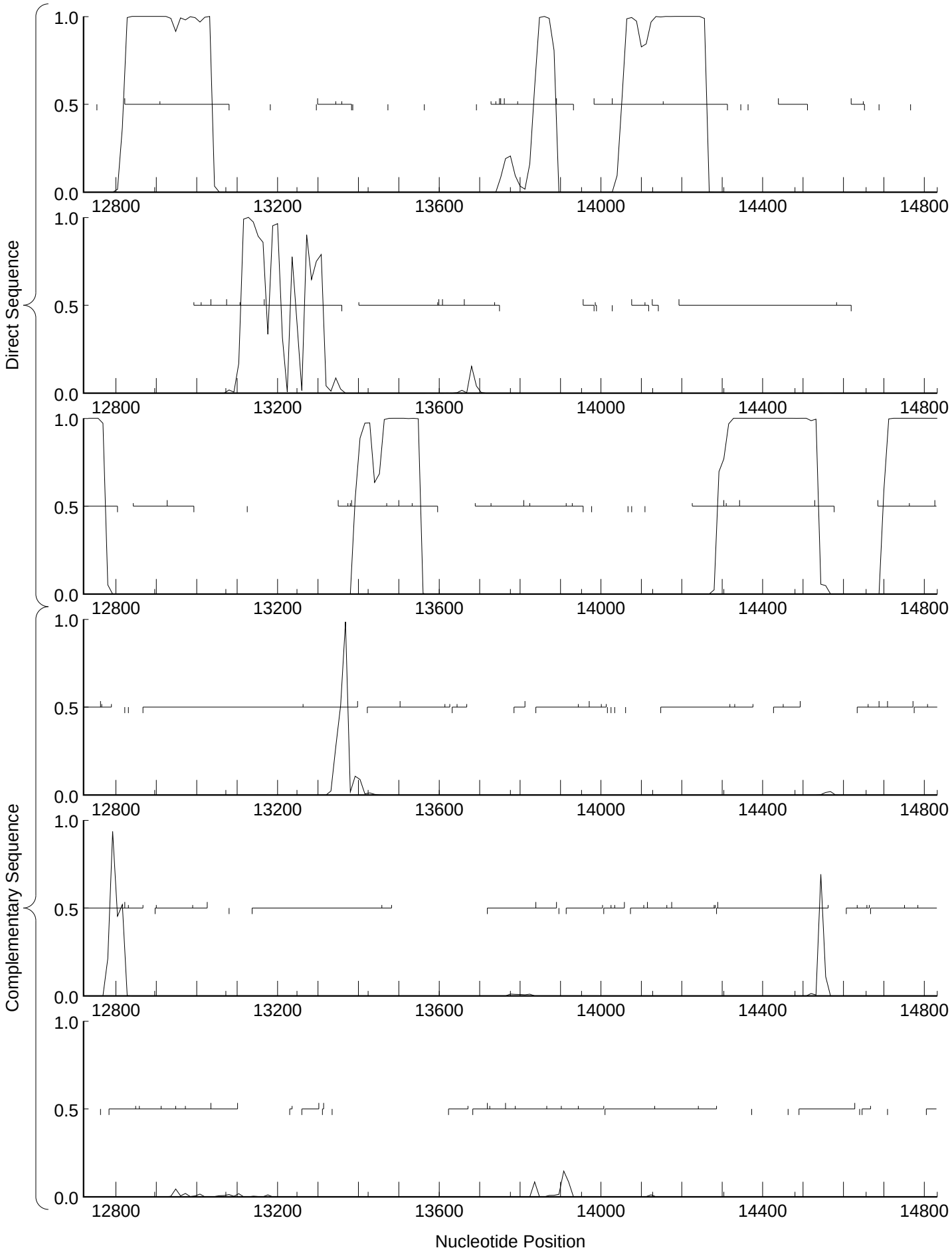
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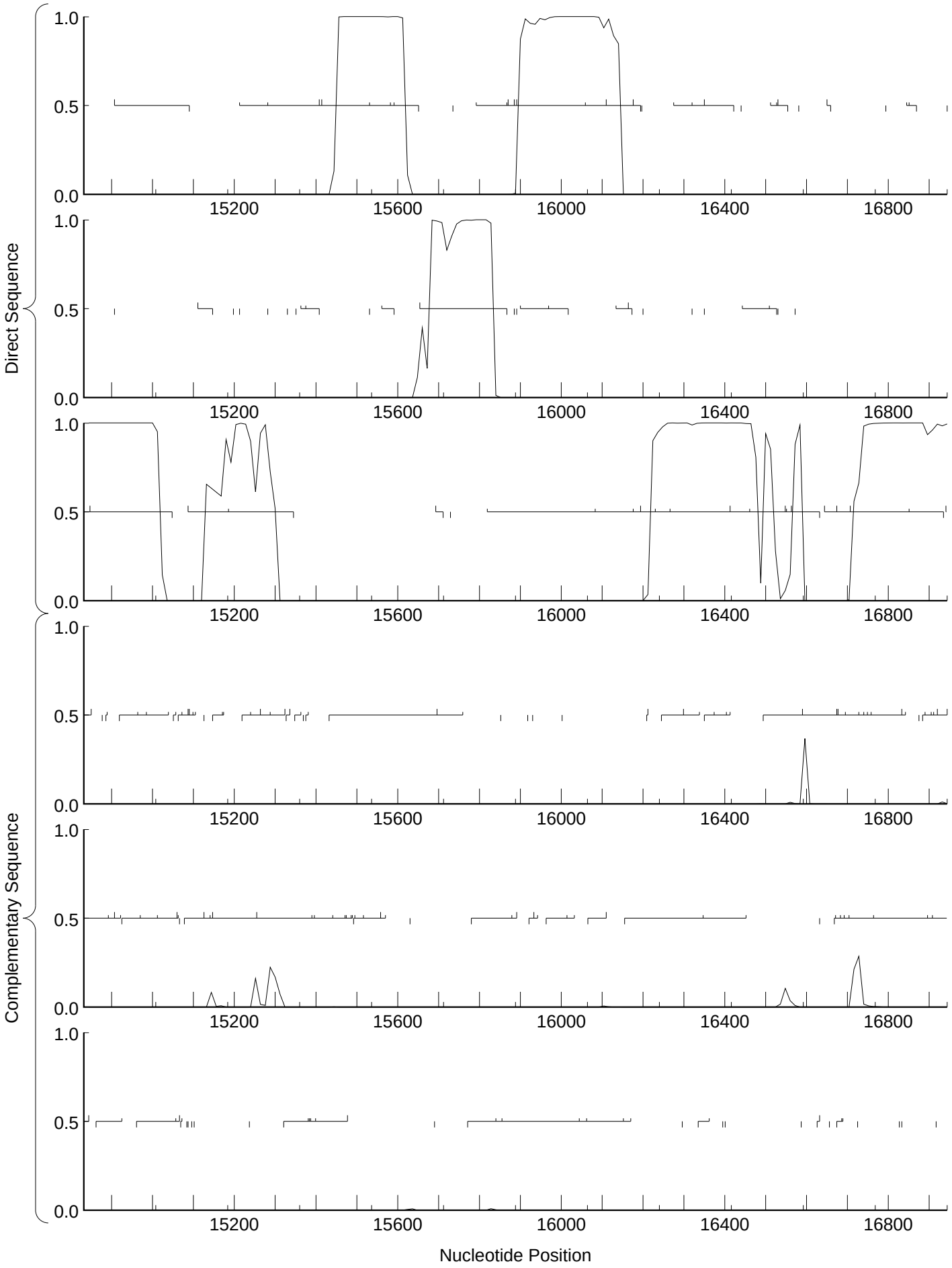
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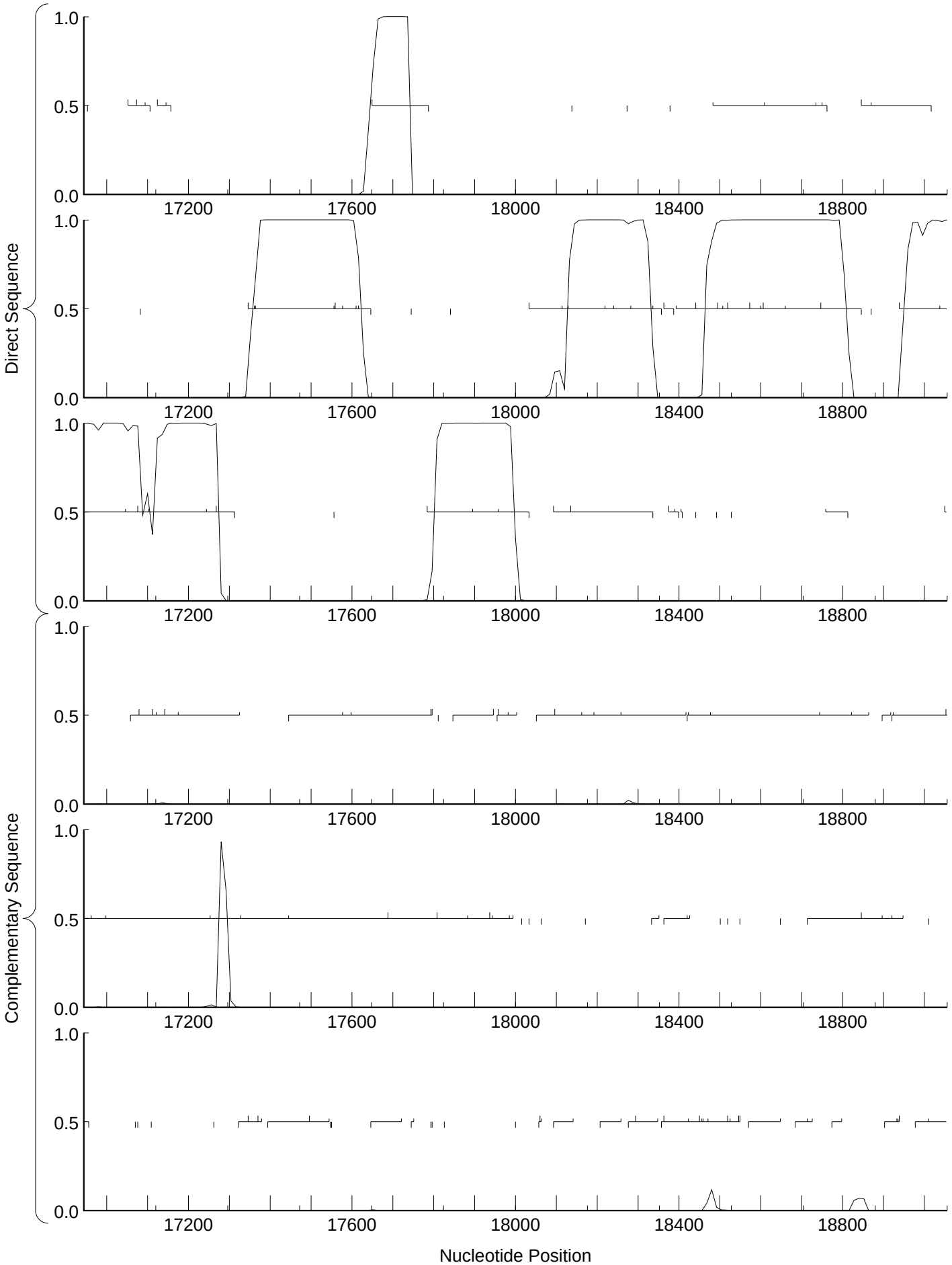
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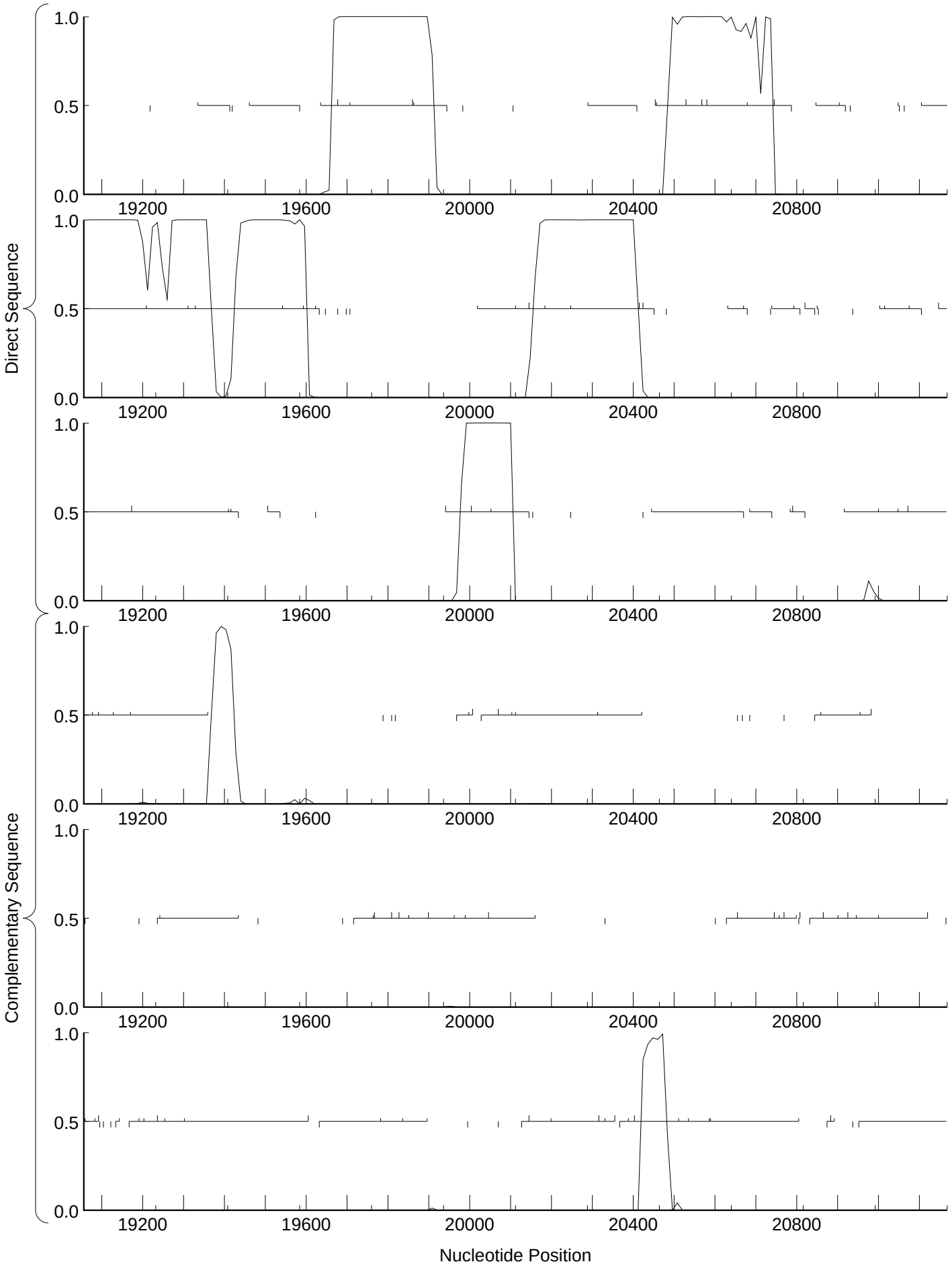


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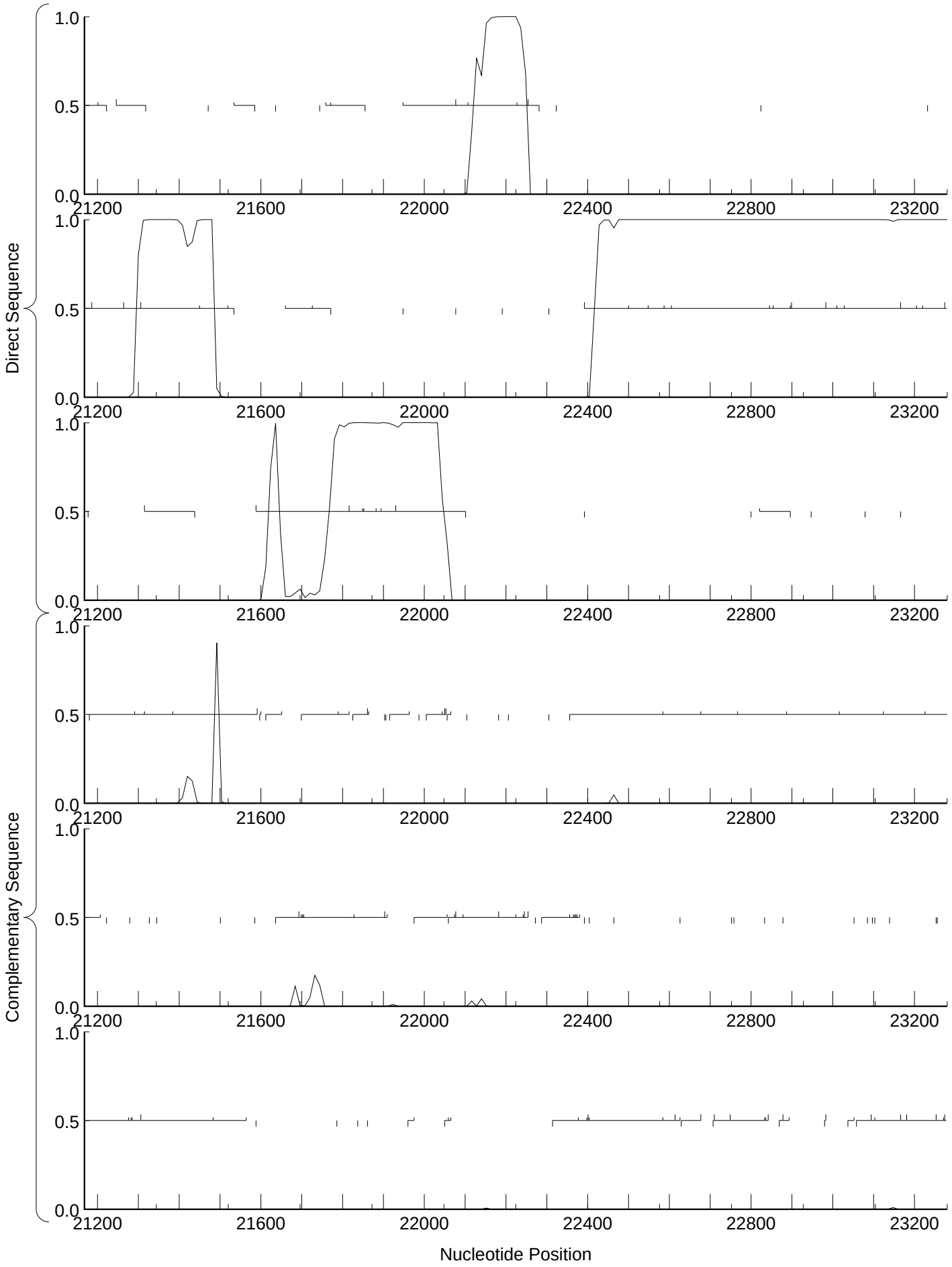


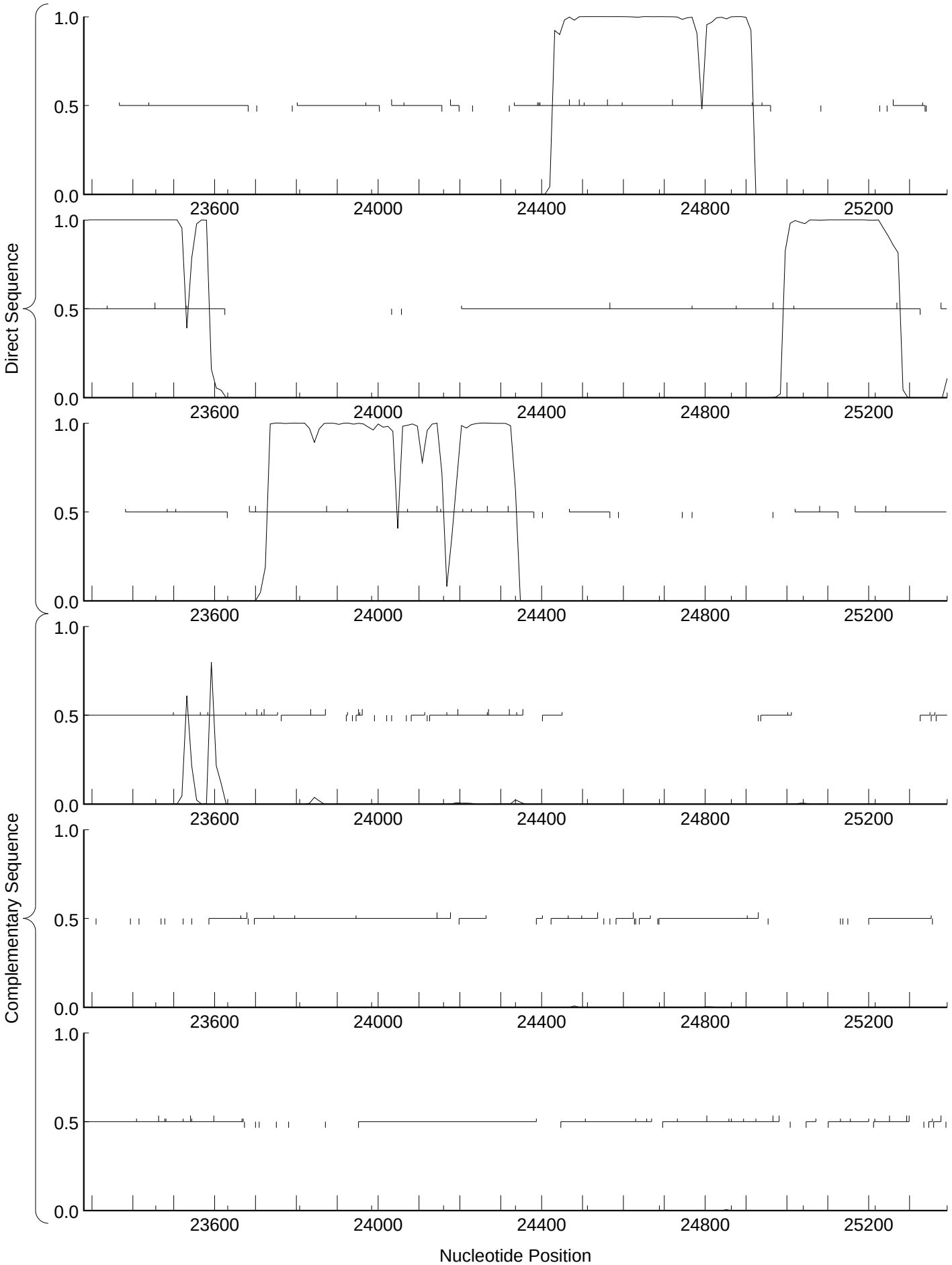
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 10/75

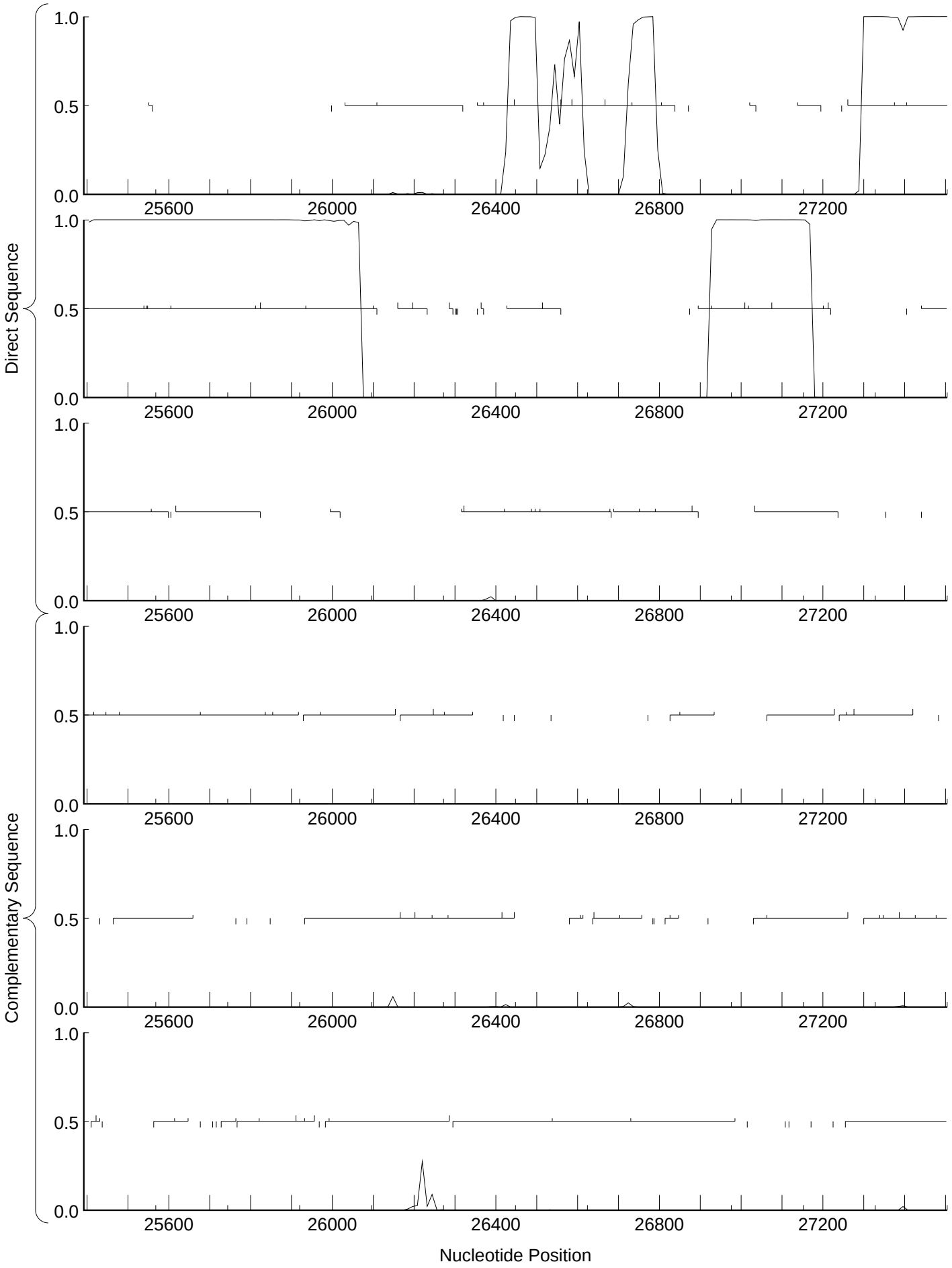



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Nucleotide Position

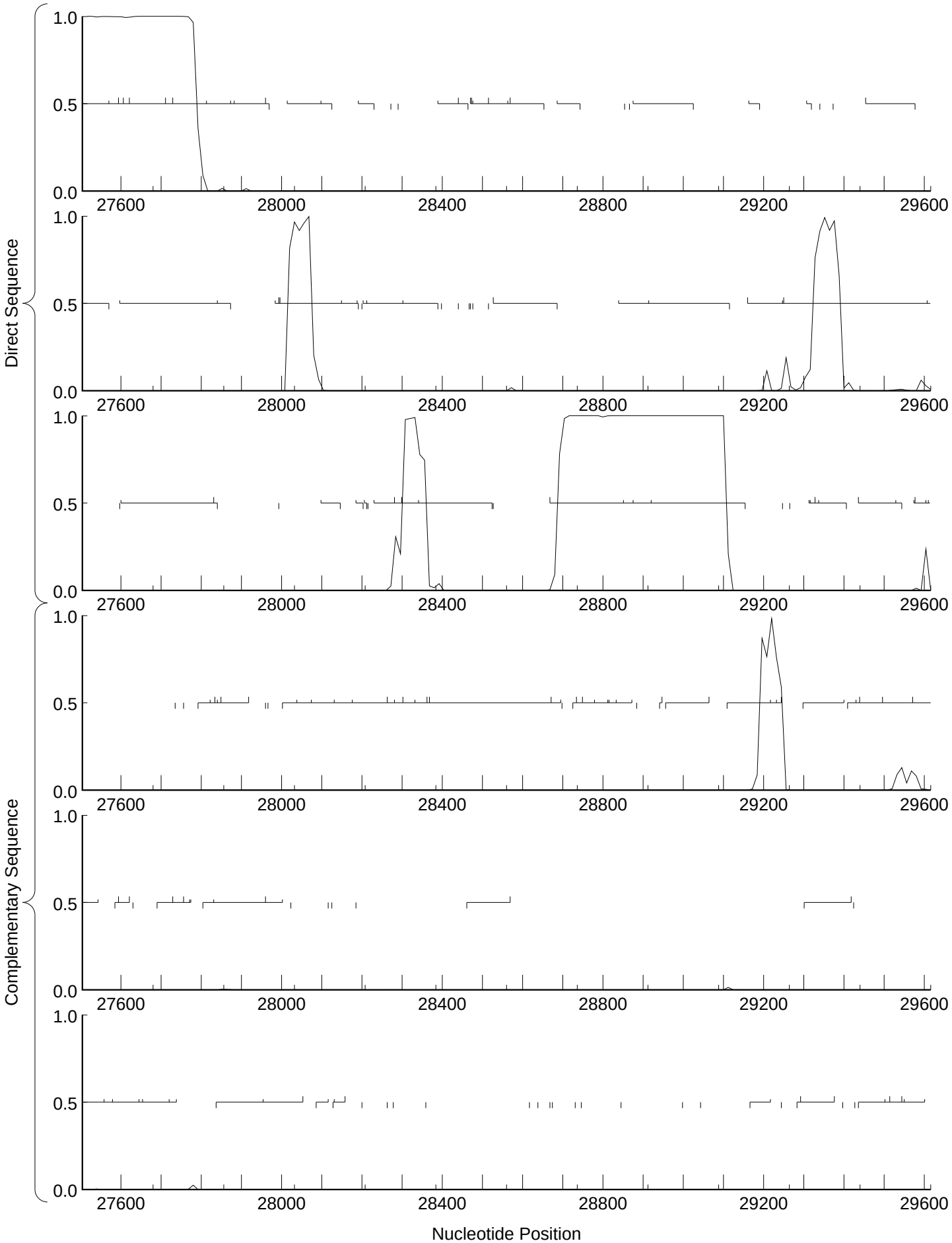
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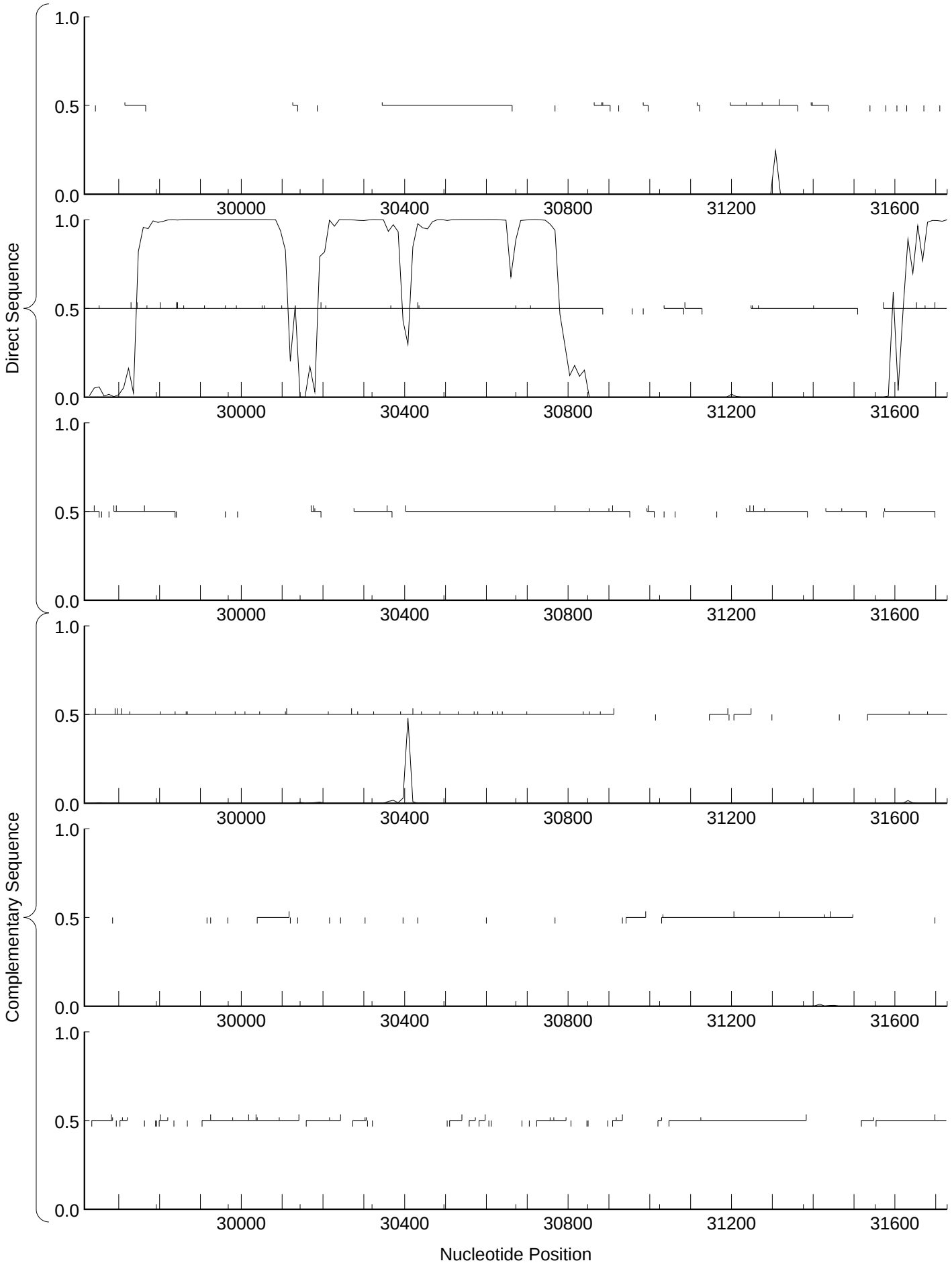

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Nucleotide Position

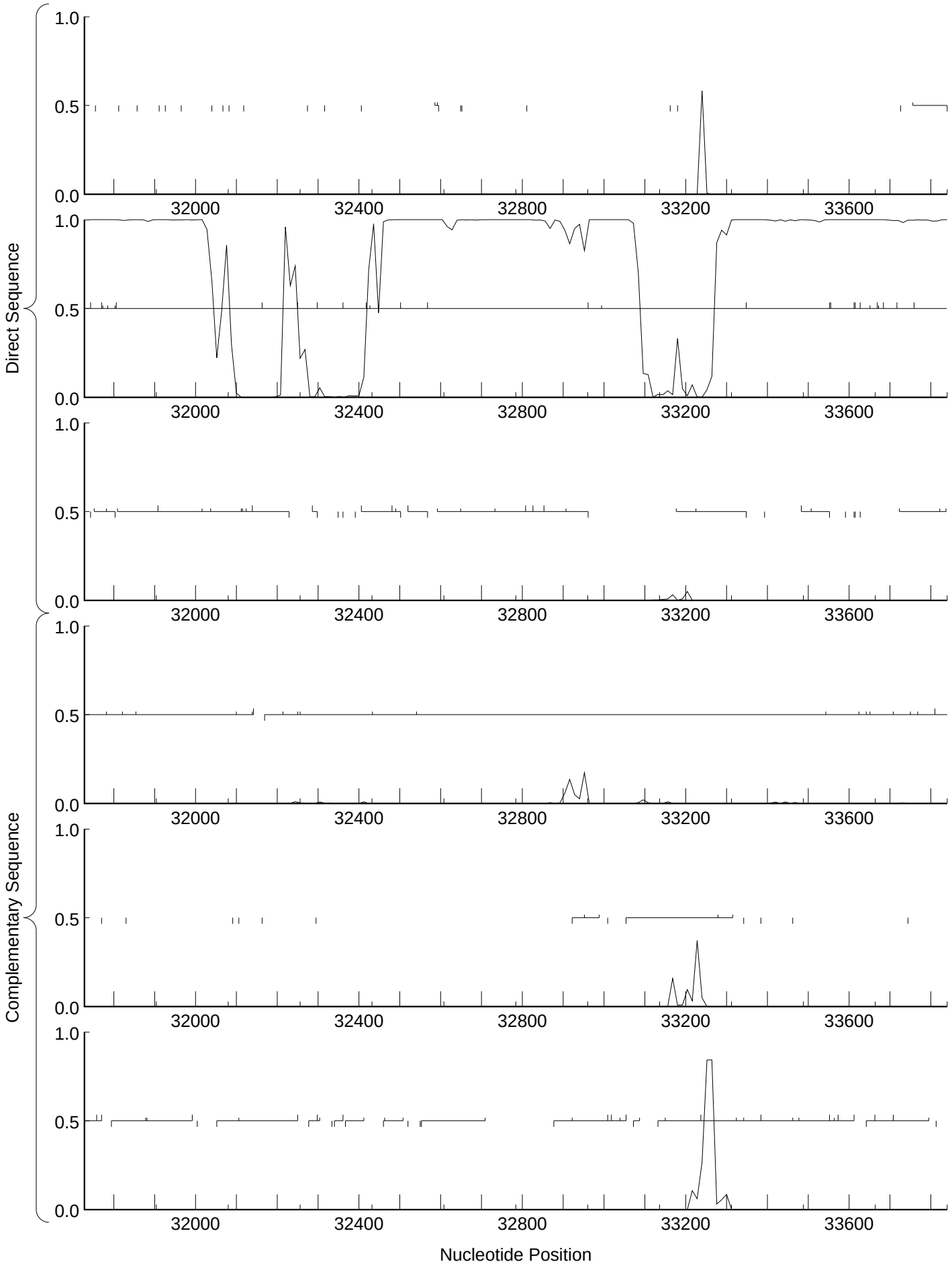

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Complementary Sequence
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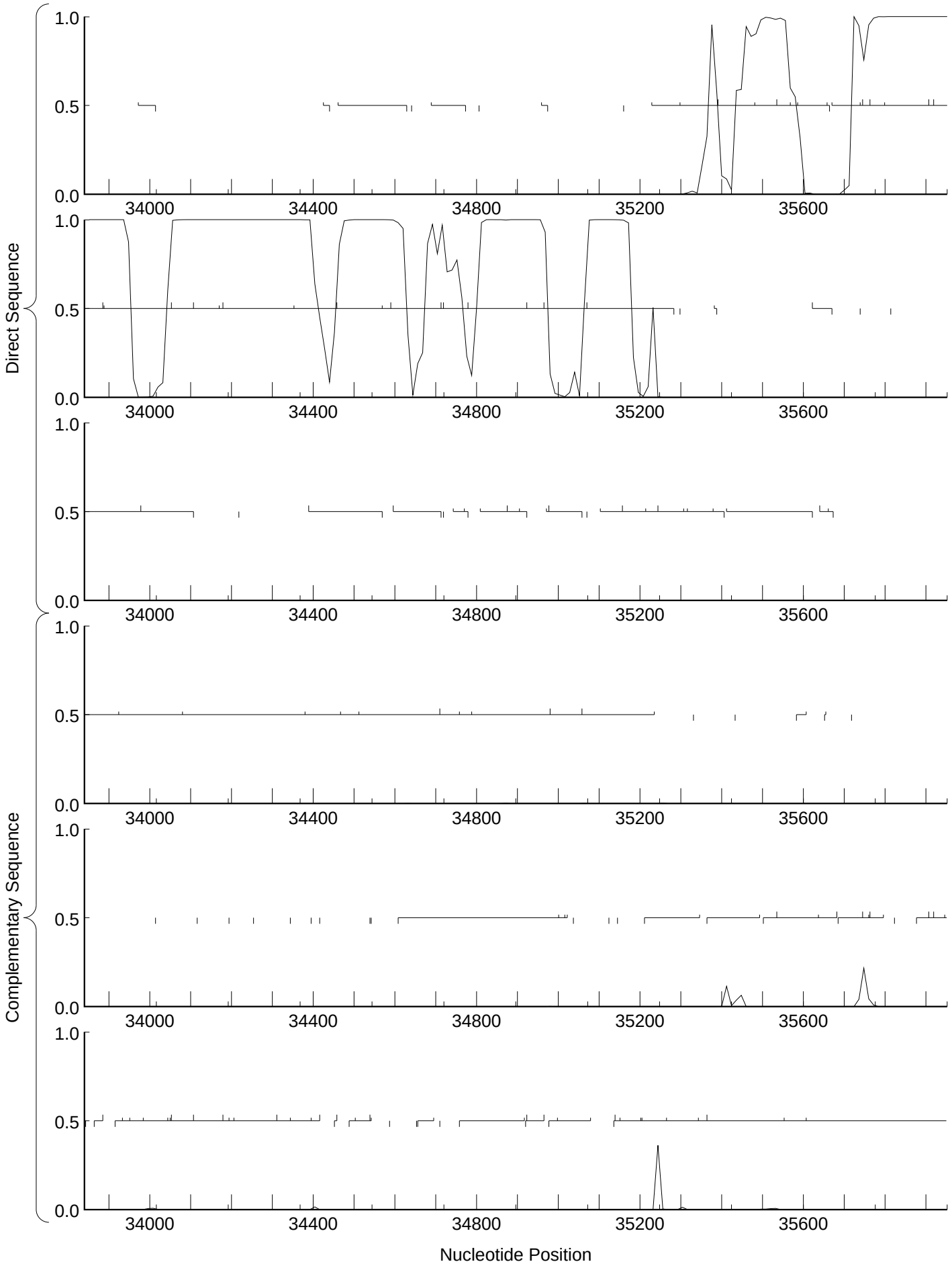
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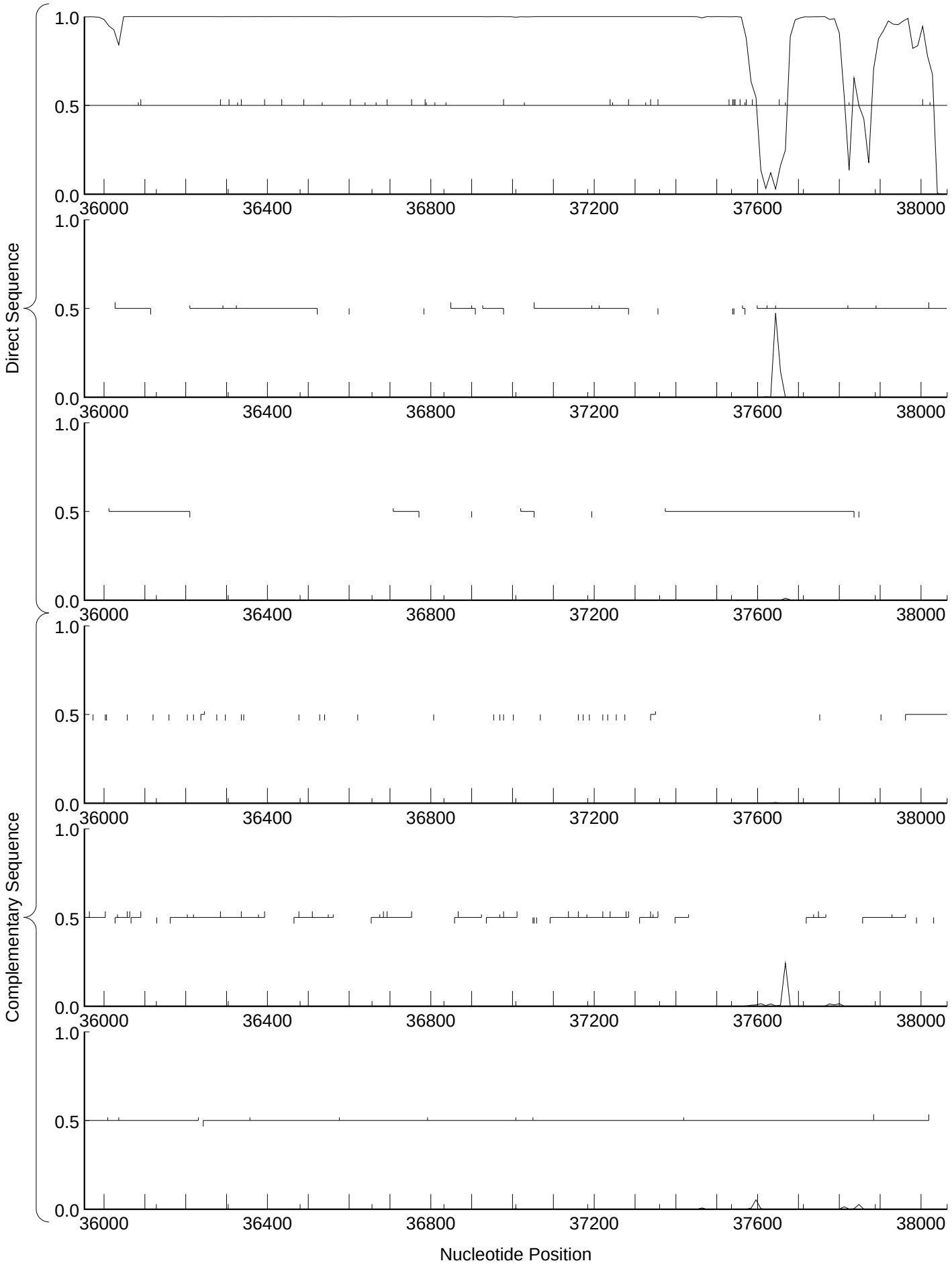


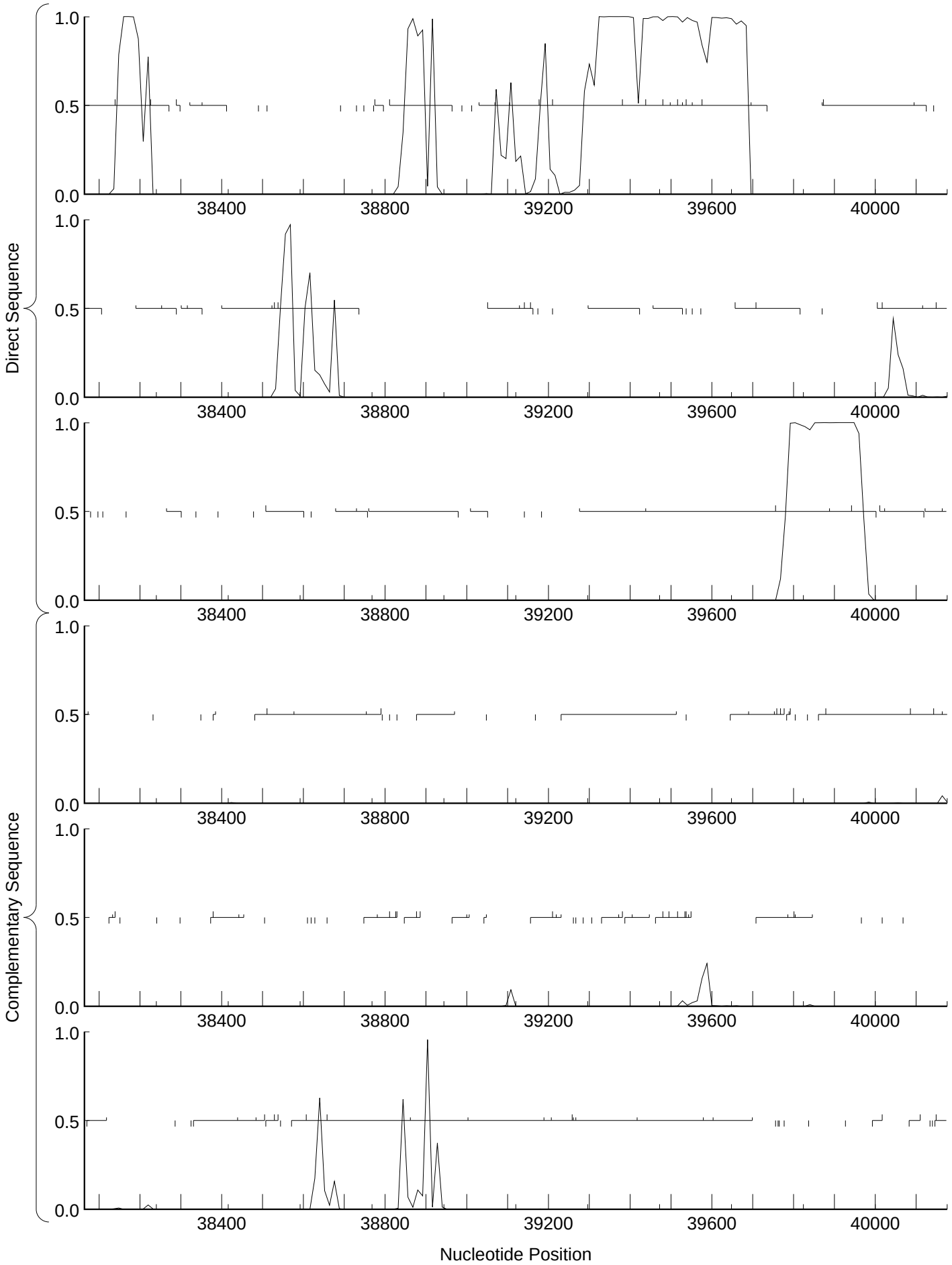
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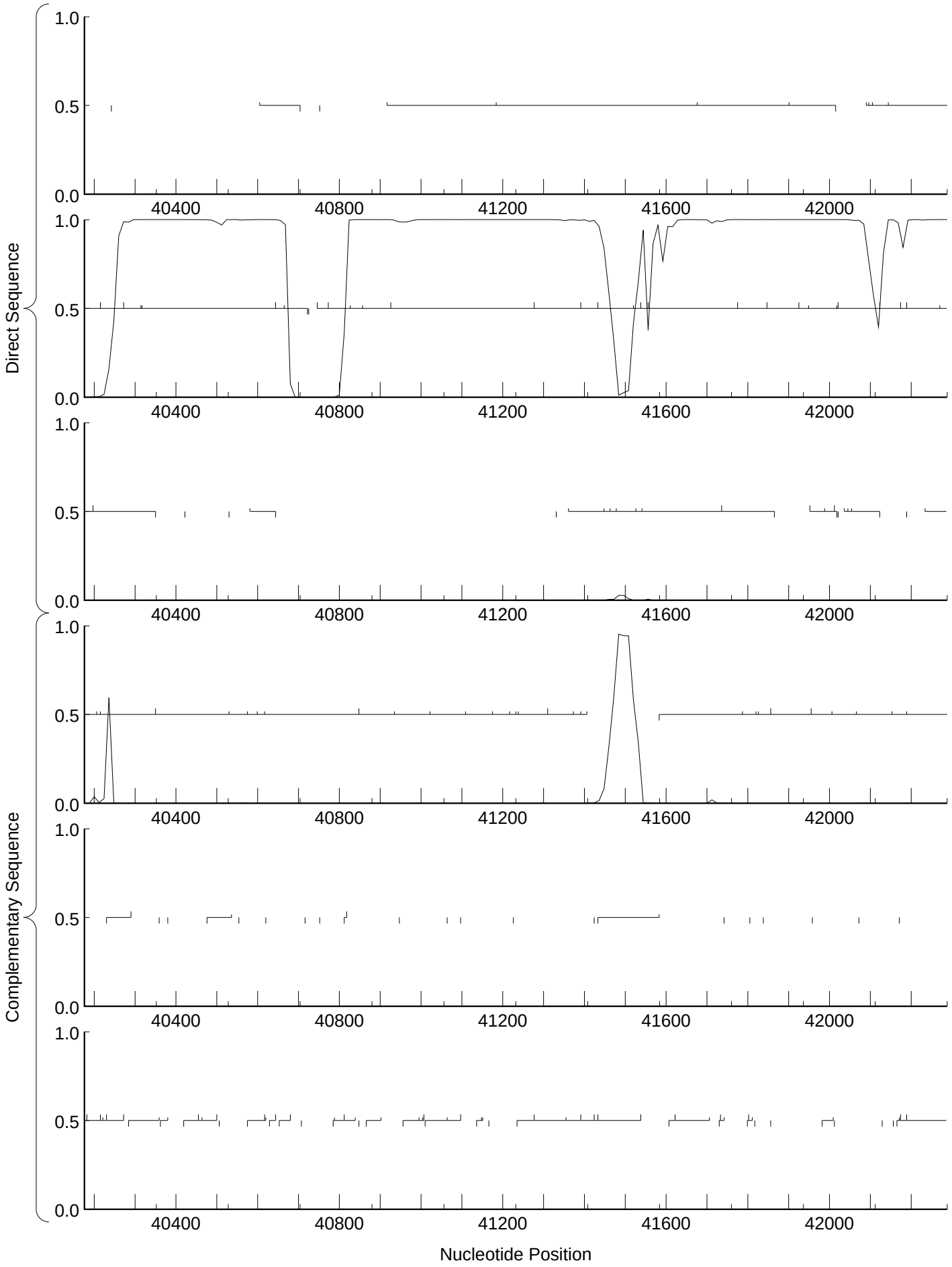

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Nucleotide Position

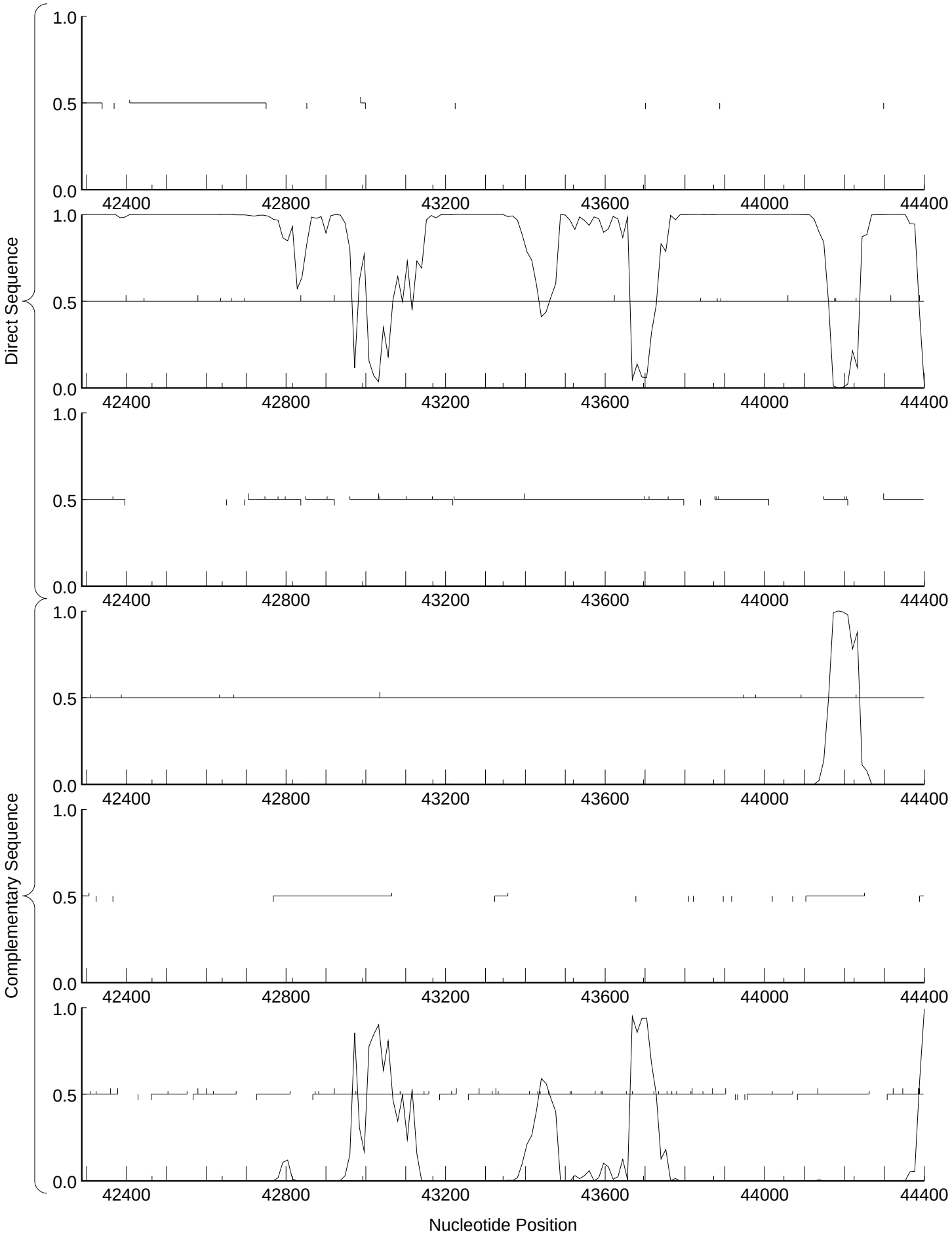

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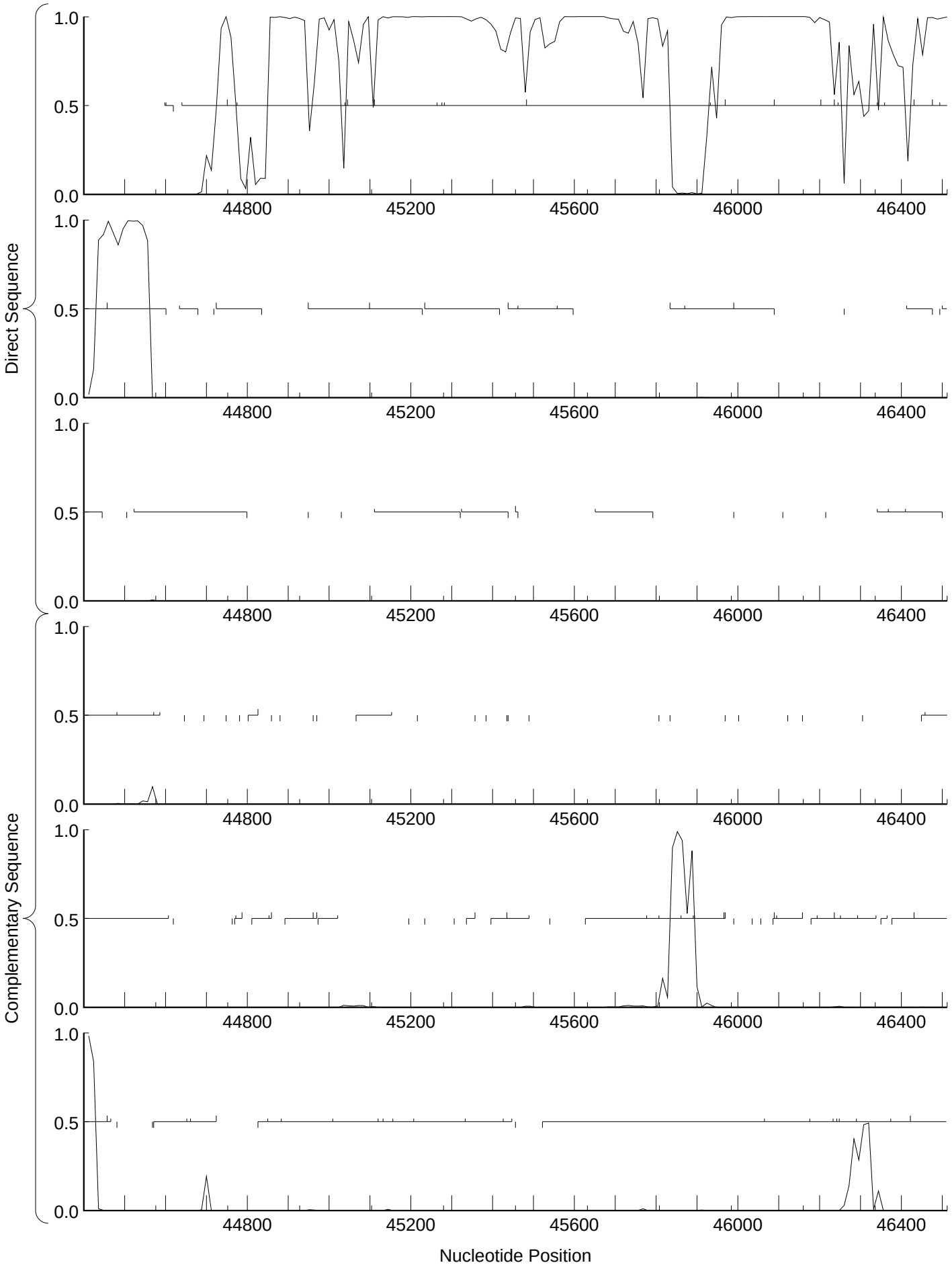

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Complementary Sequence
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37600
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Nucleotide Position


Direct Sequence
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39600
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Nucleotide Position

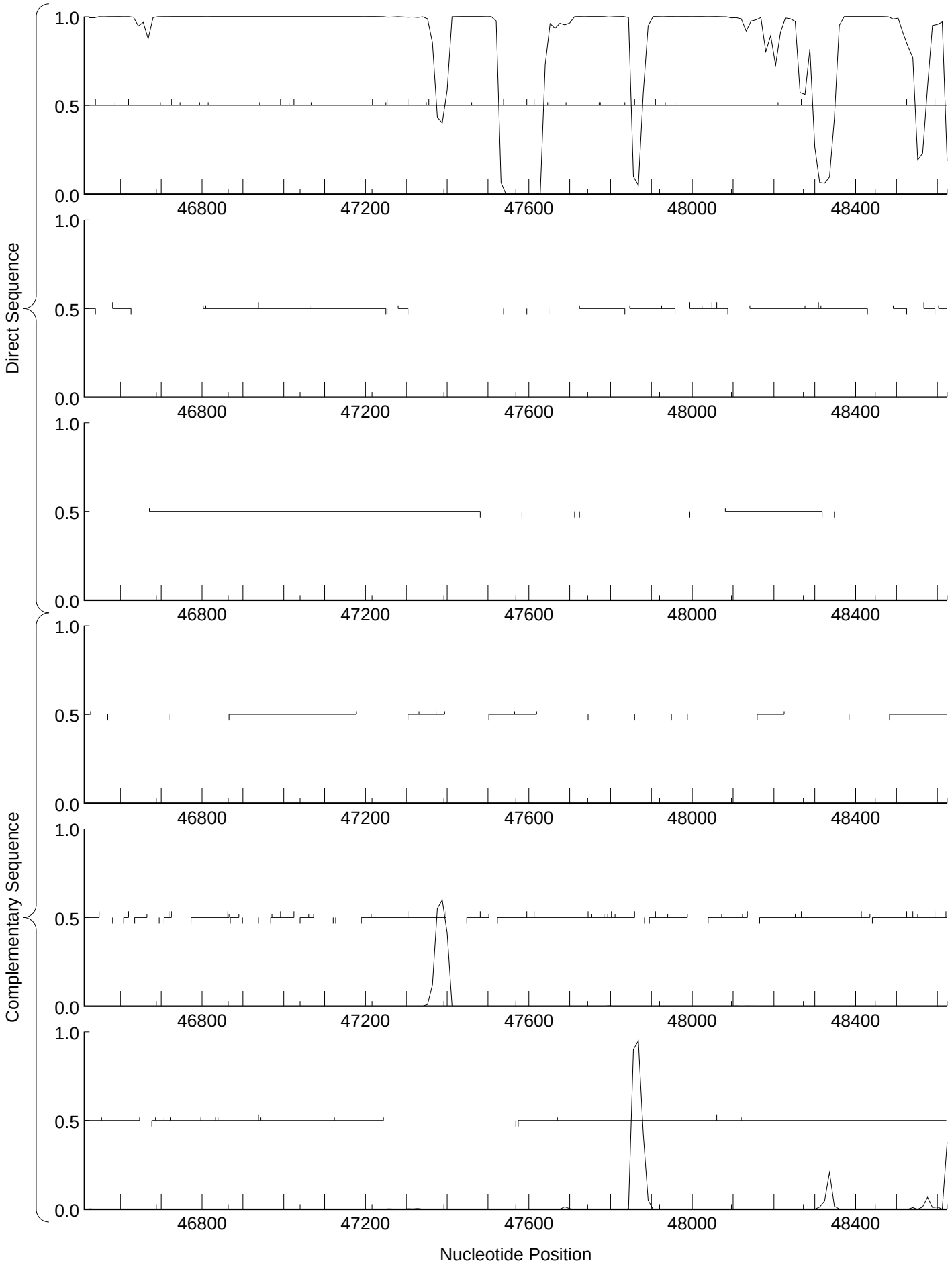
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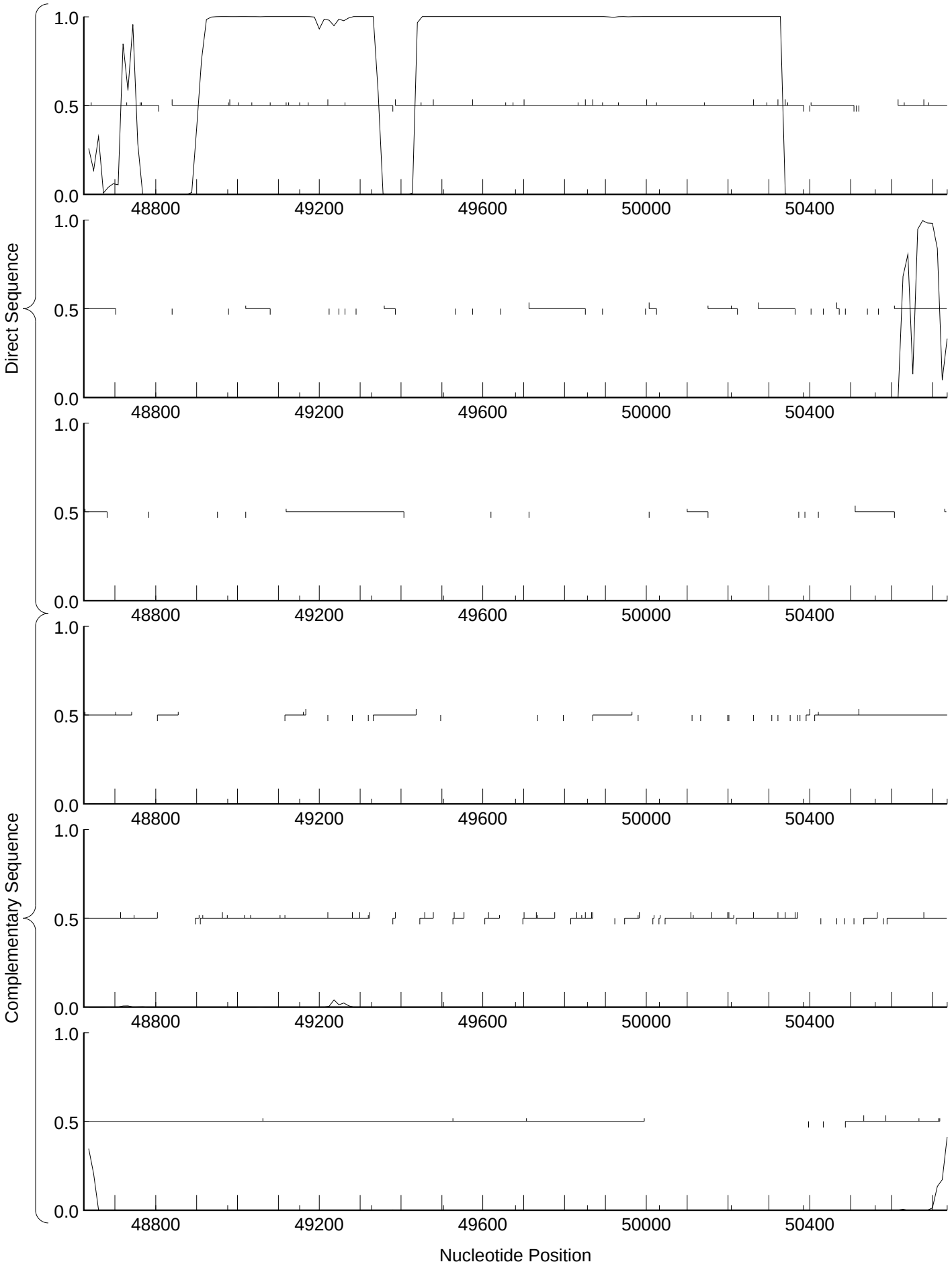

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Nucleotide Position

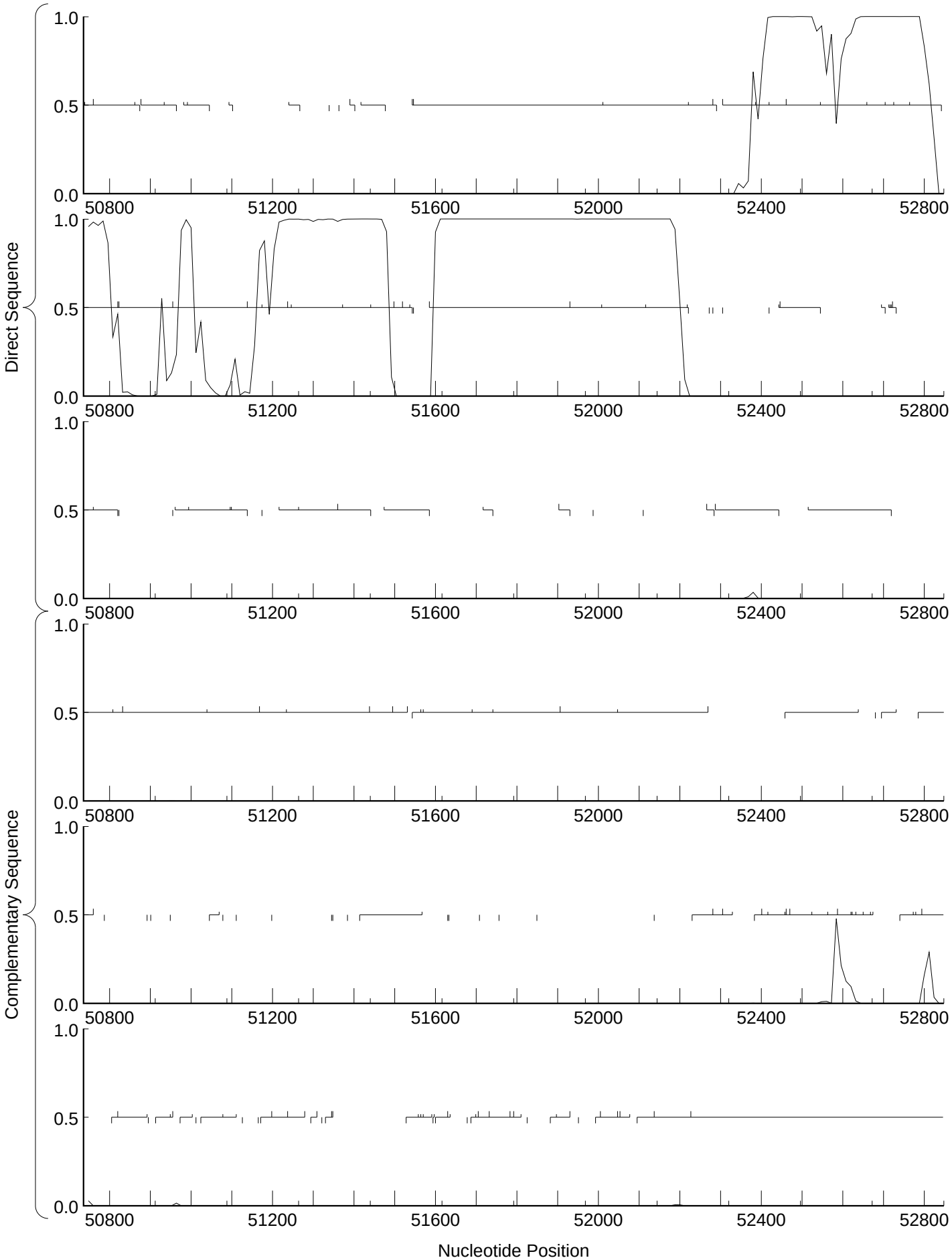

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Complementary Sequence
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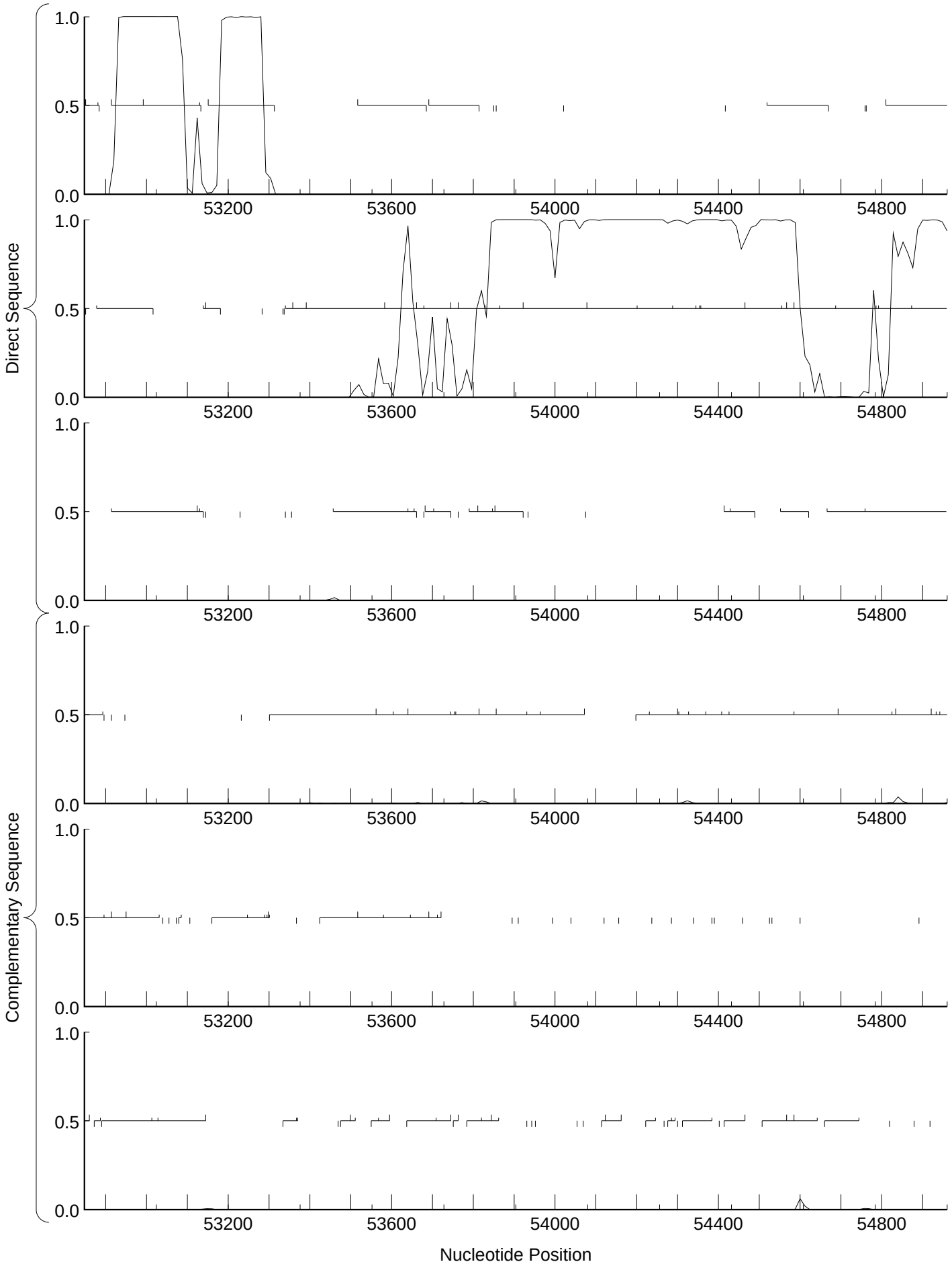


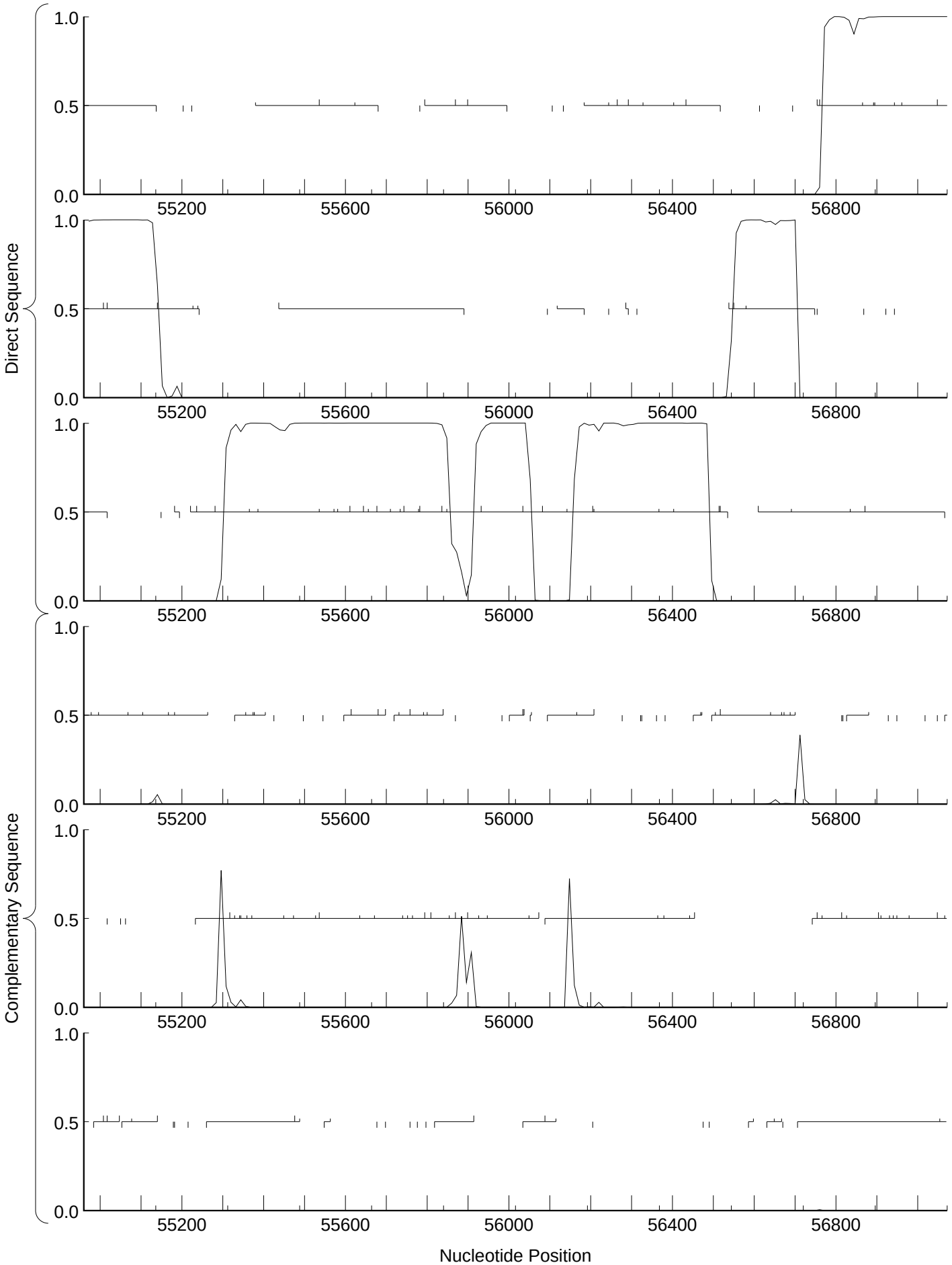
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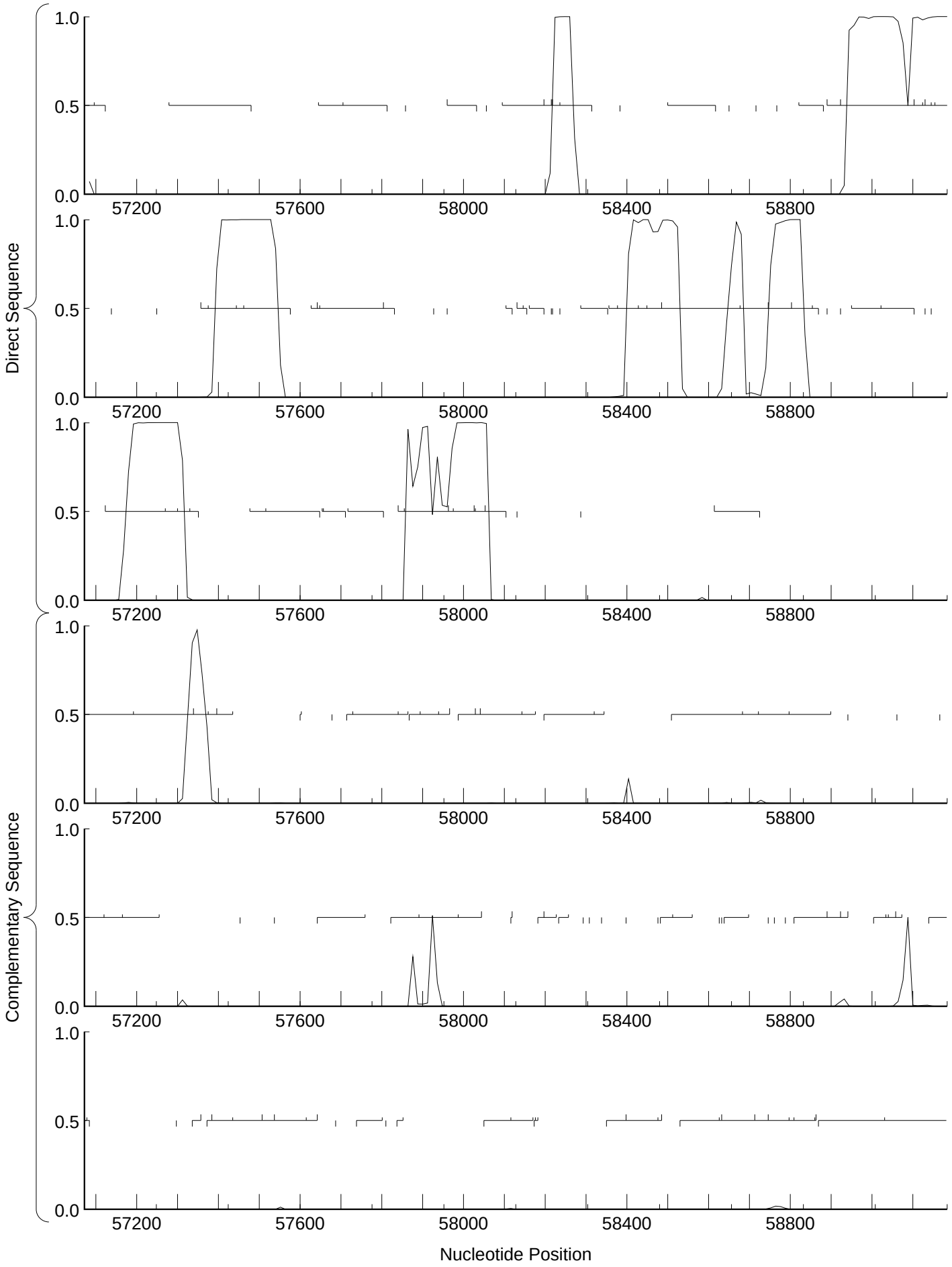

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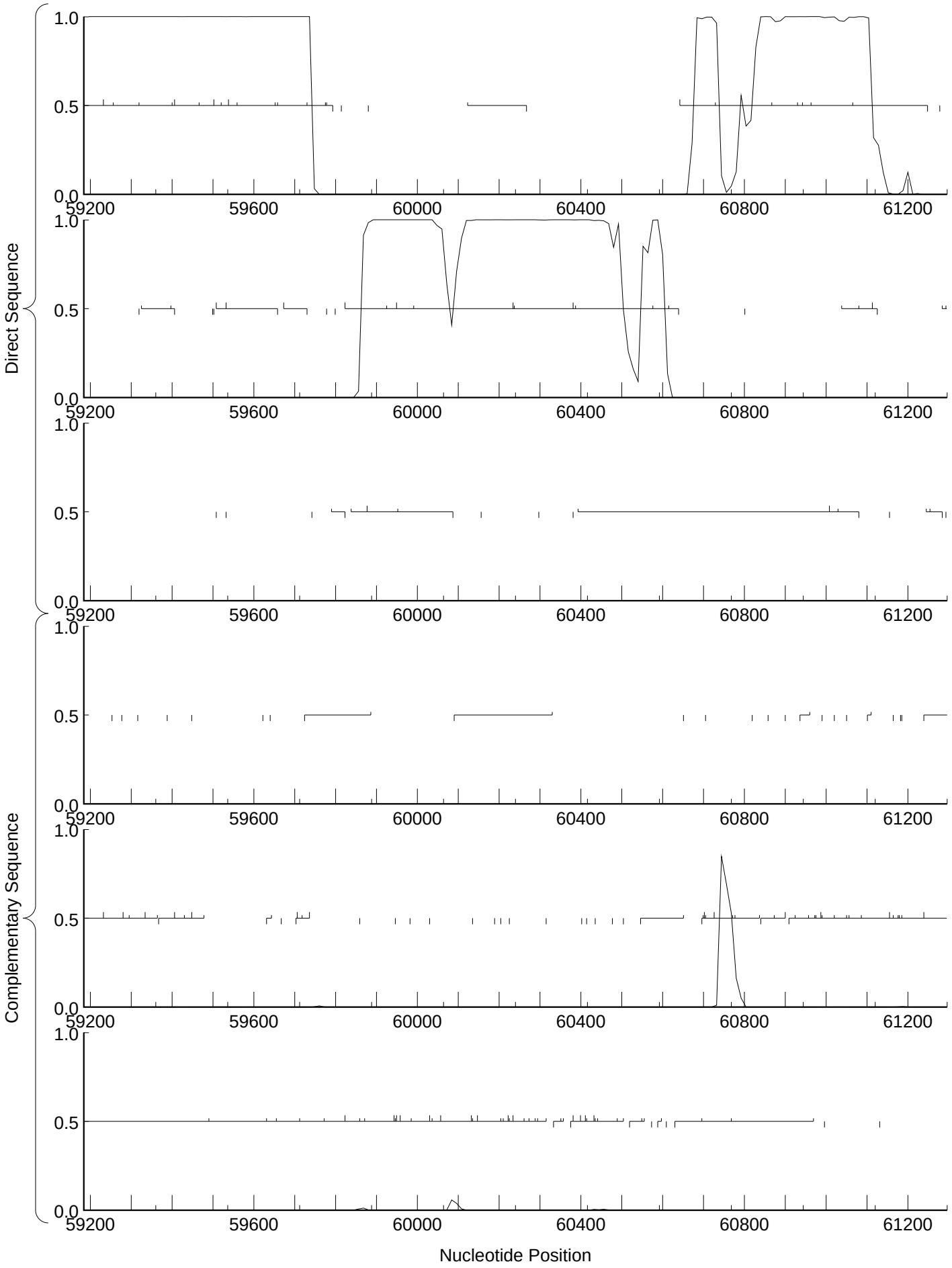
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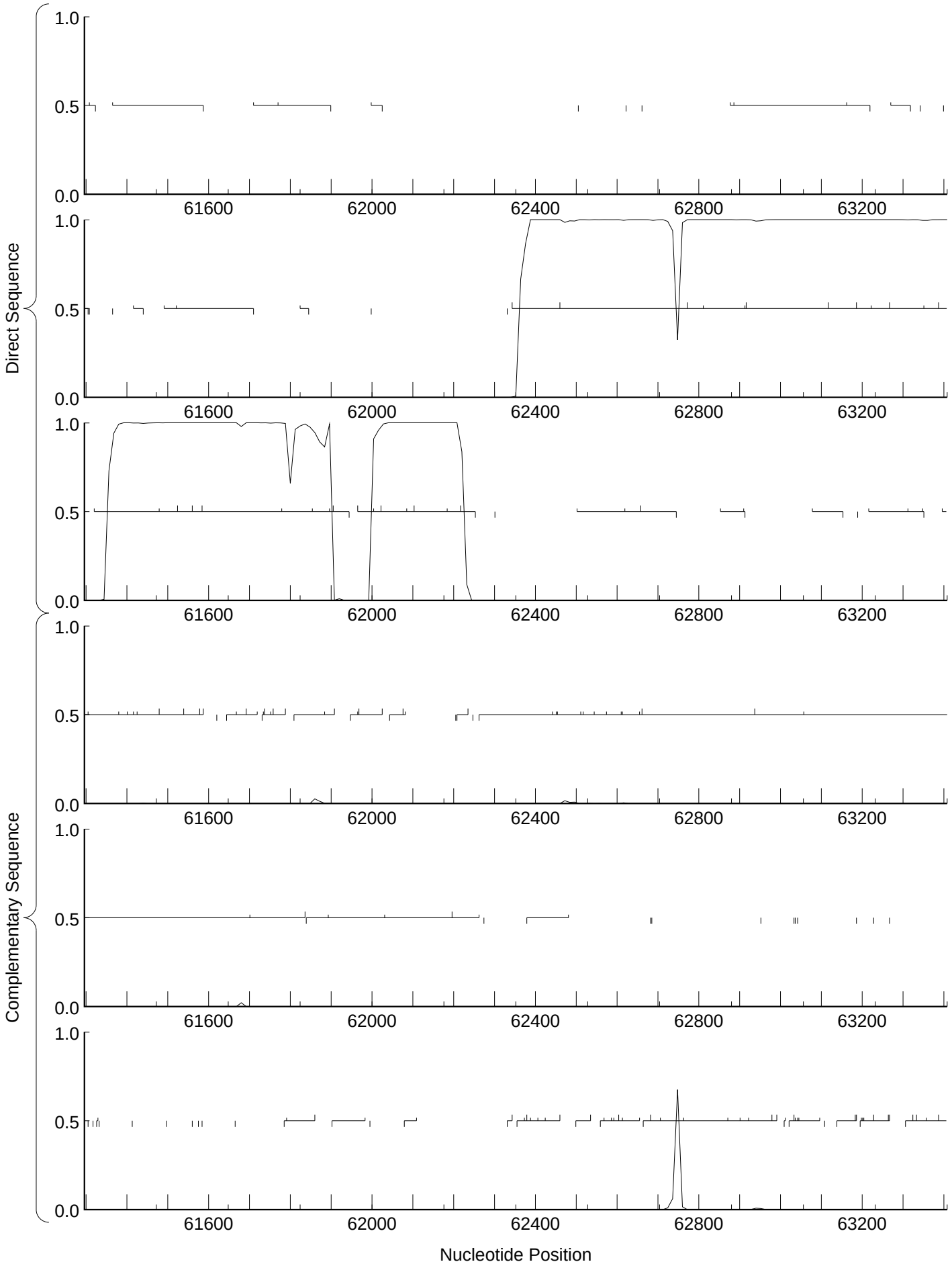

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Complementary Sequence
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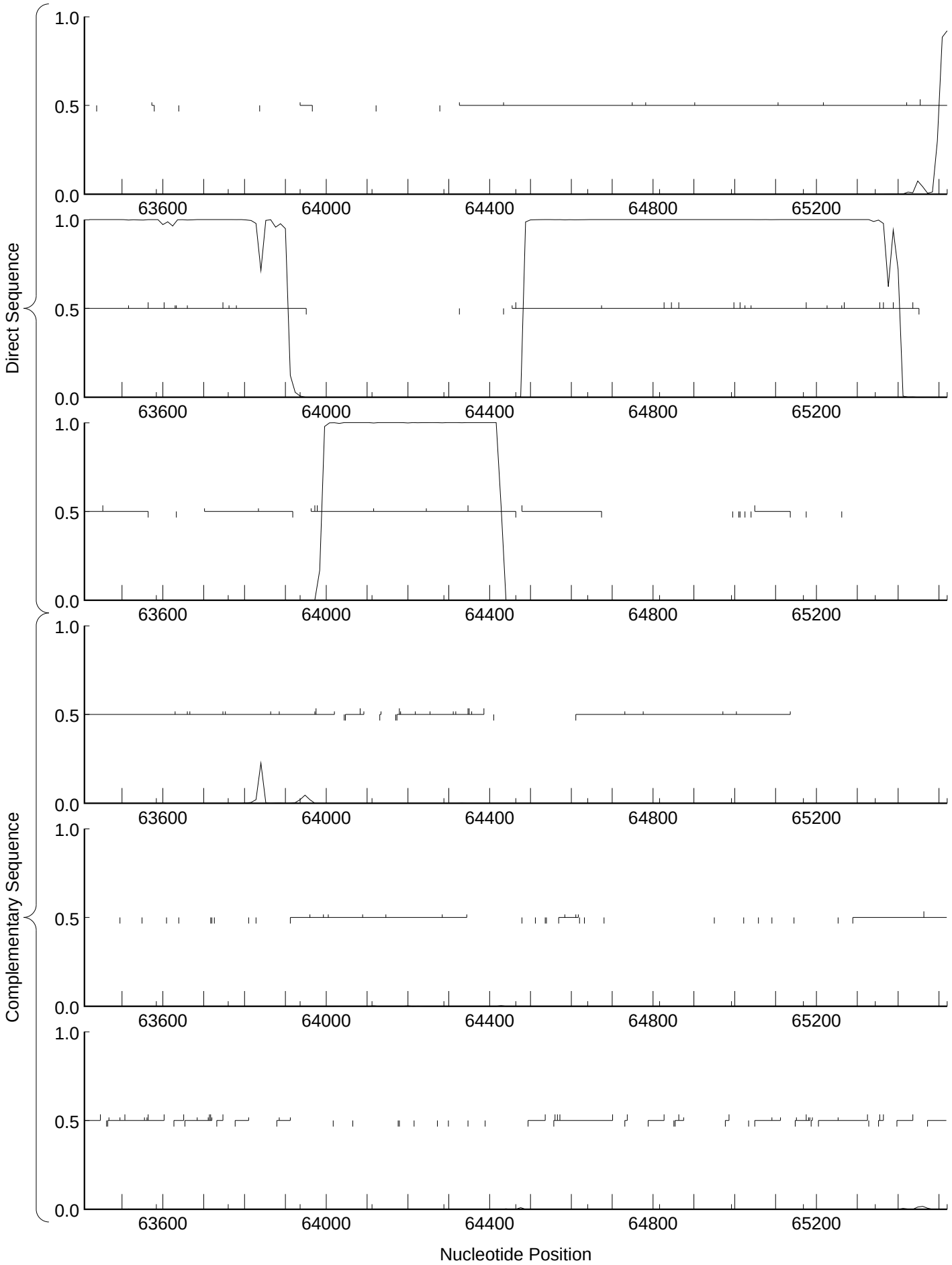



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Nucleotide Position

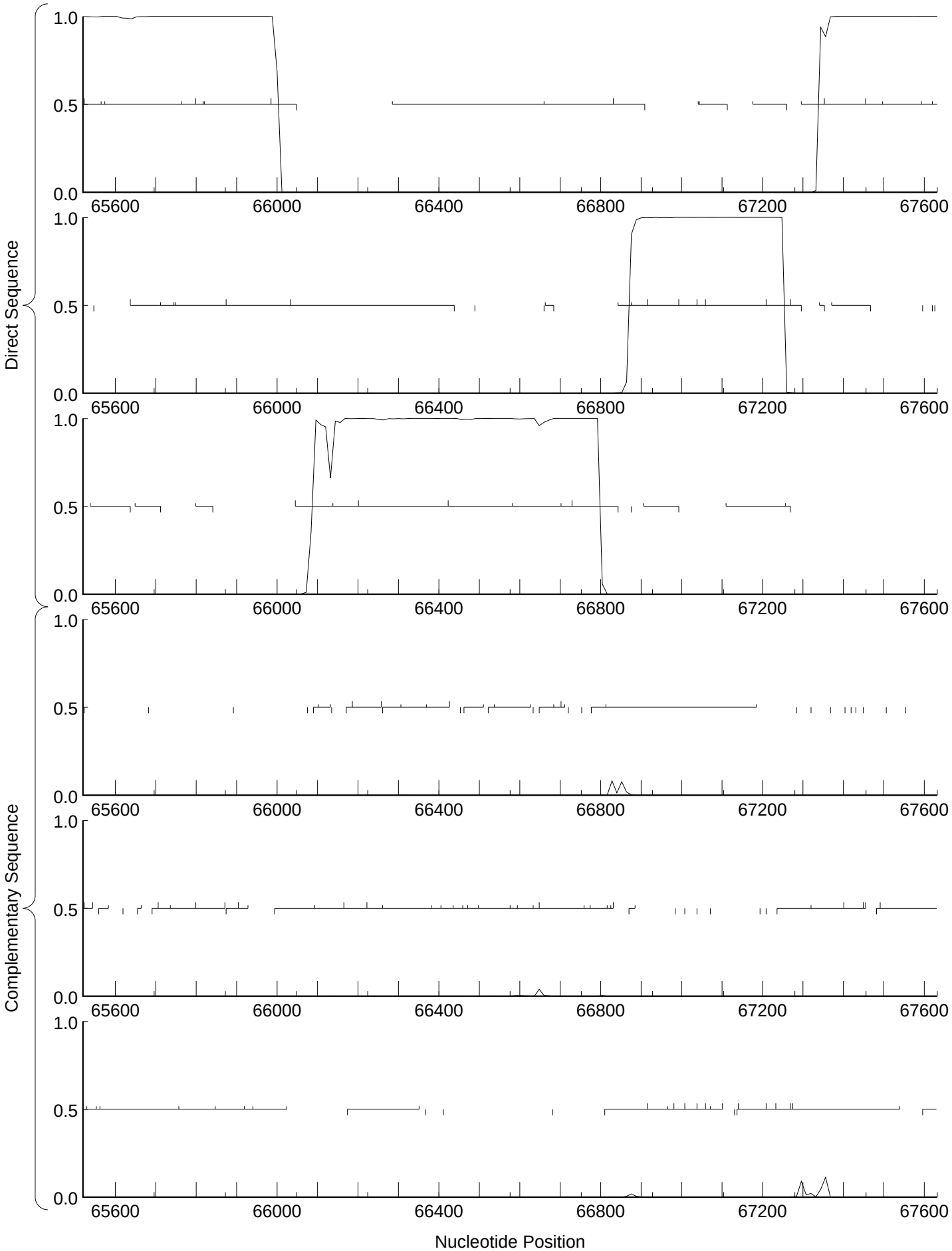
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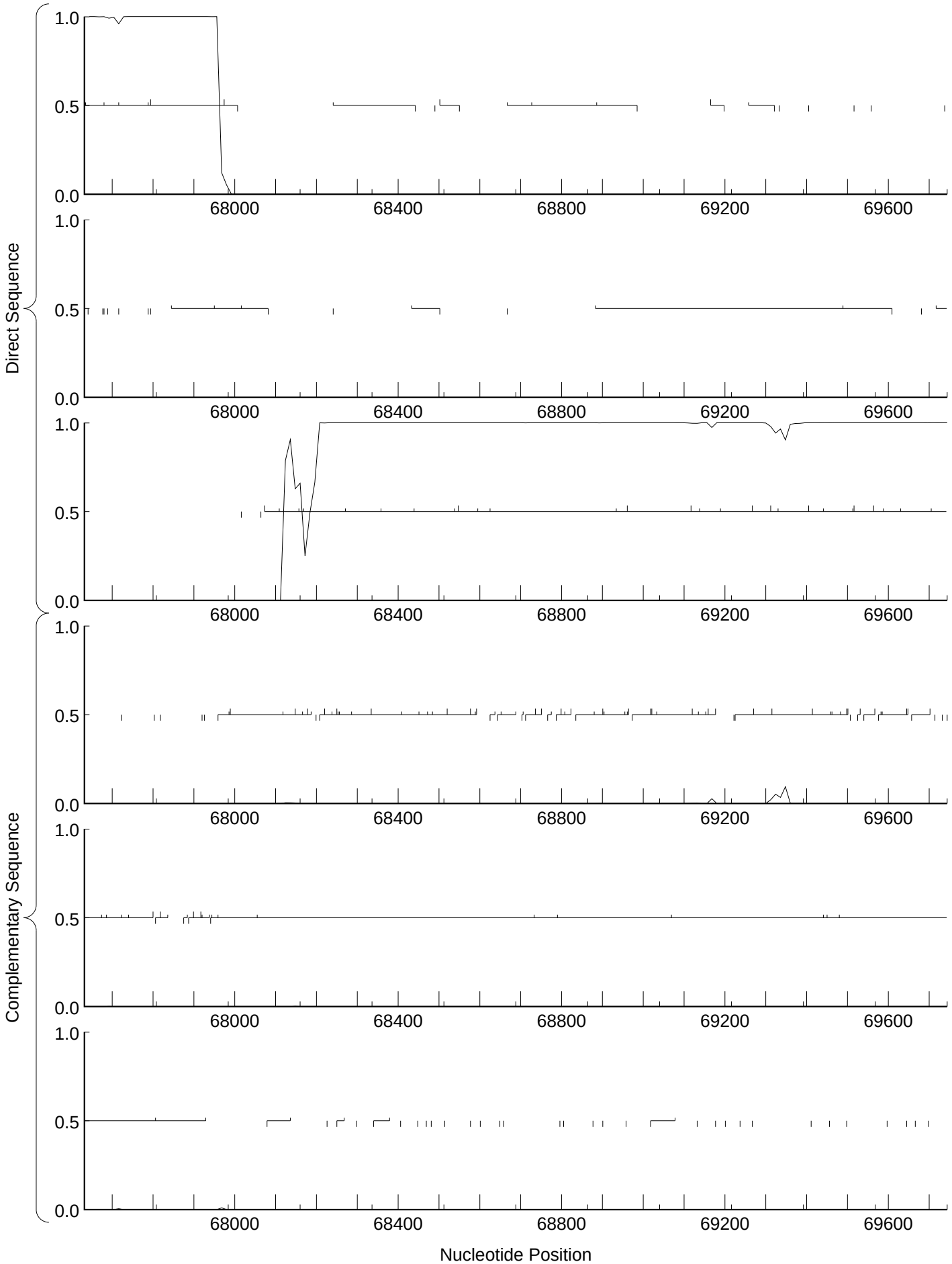


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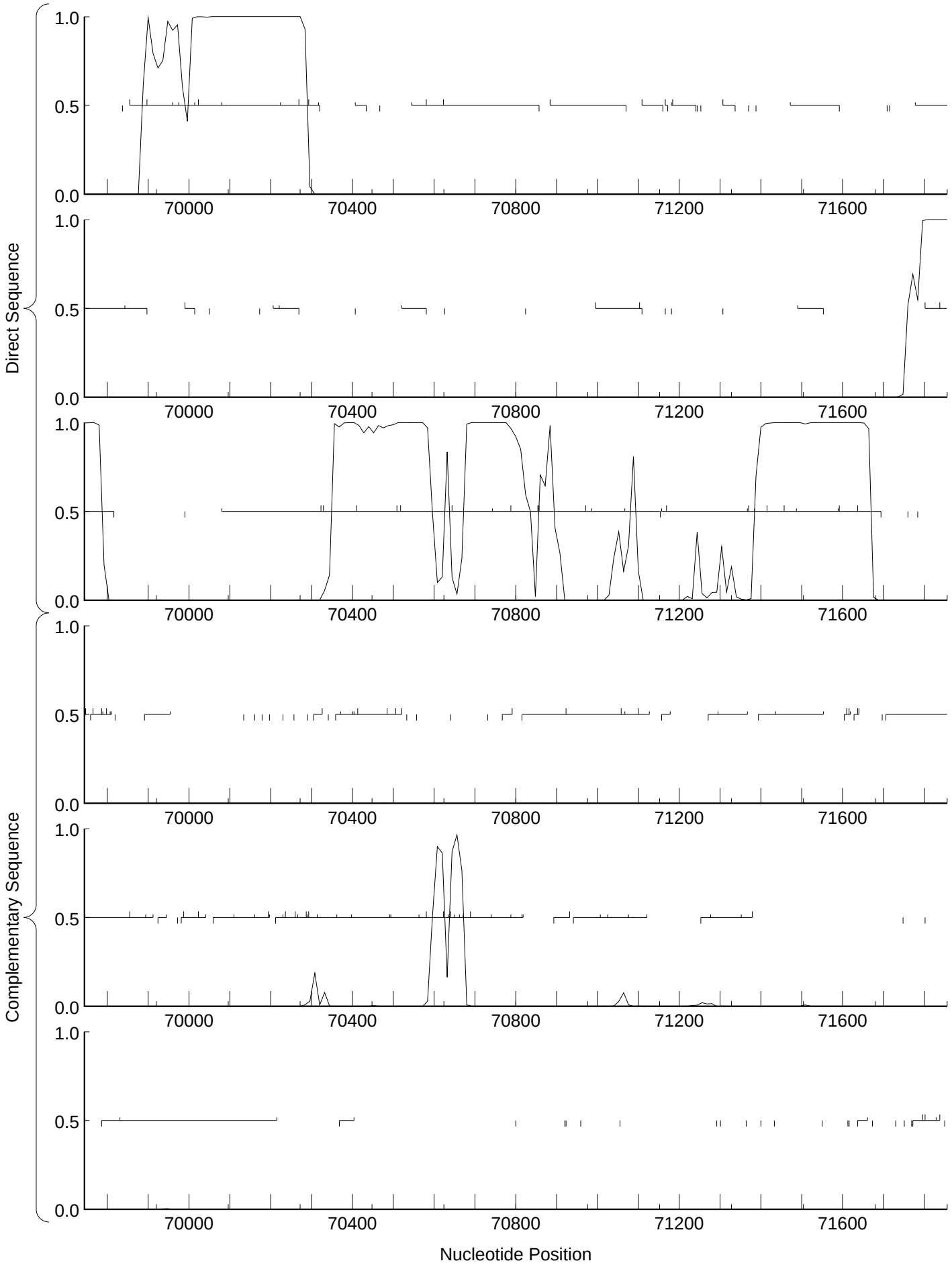


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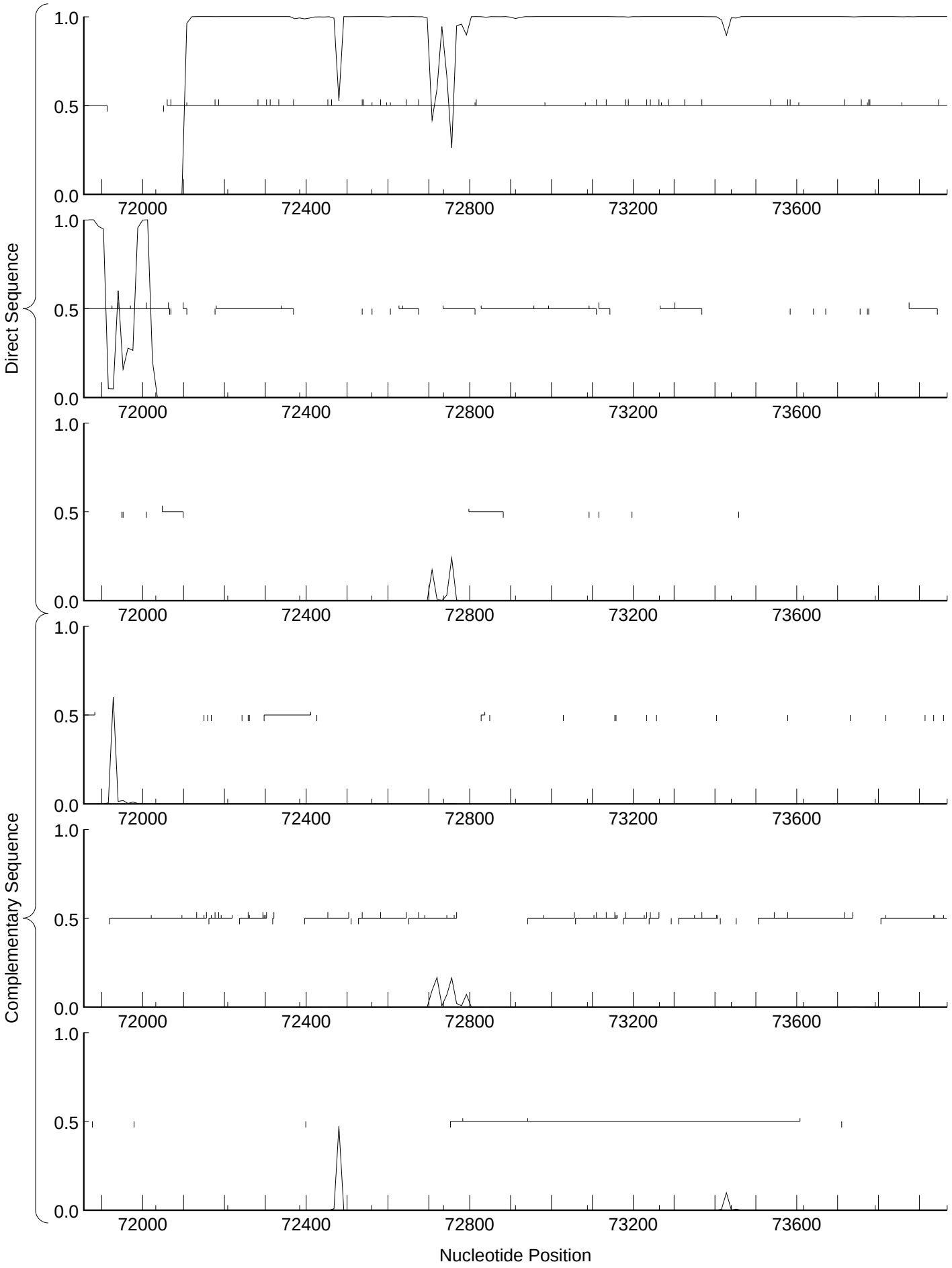



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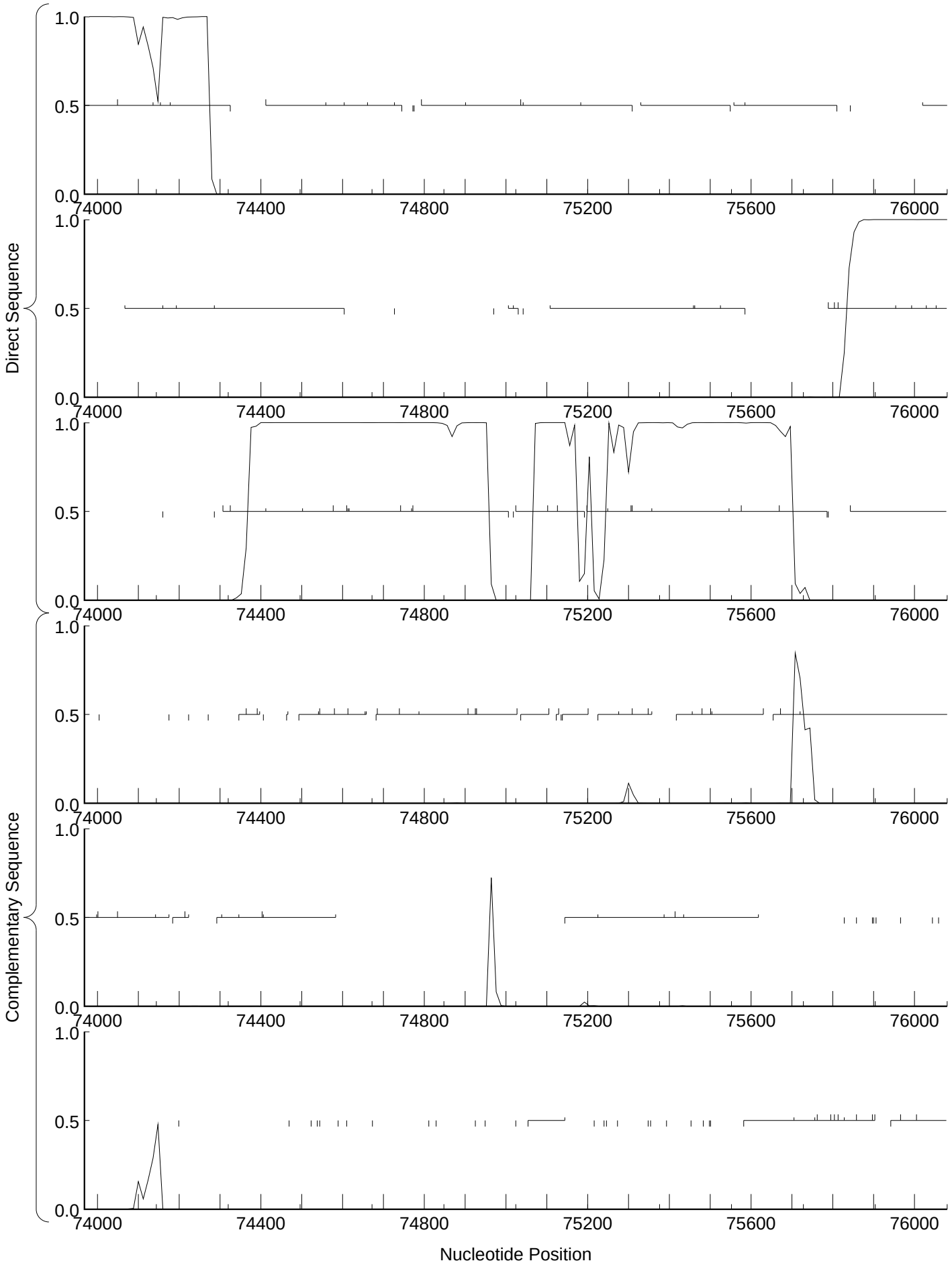
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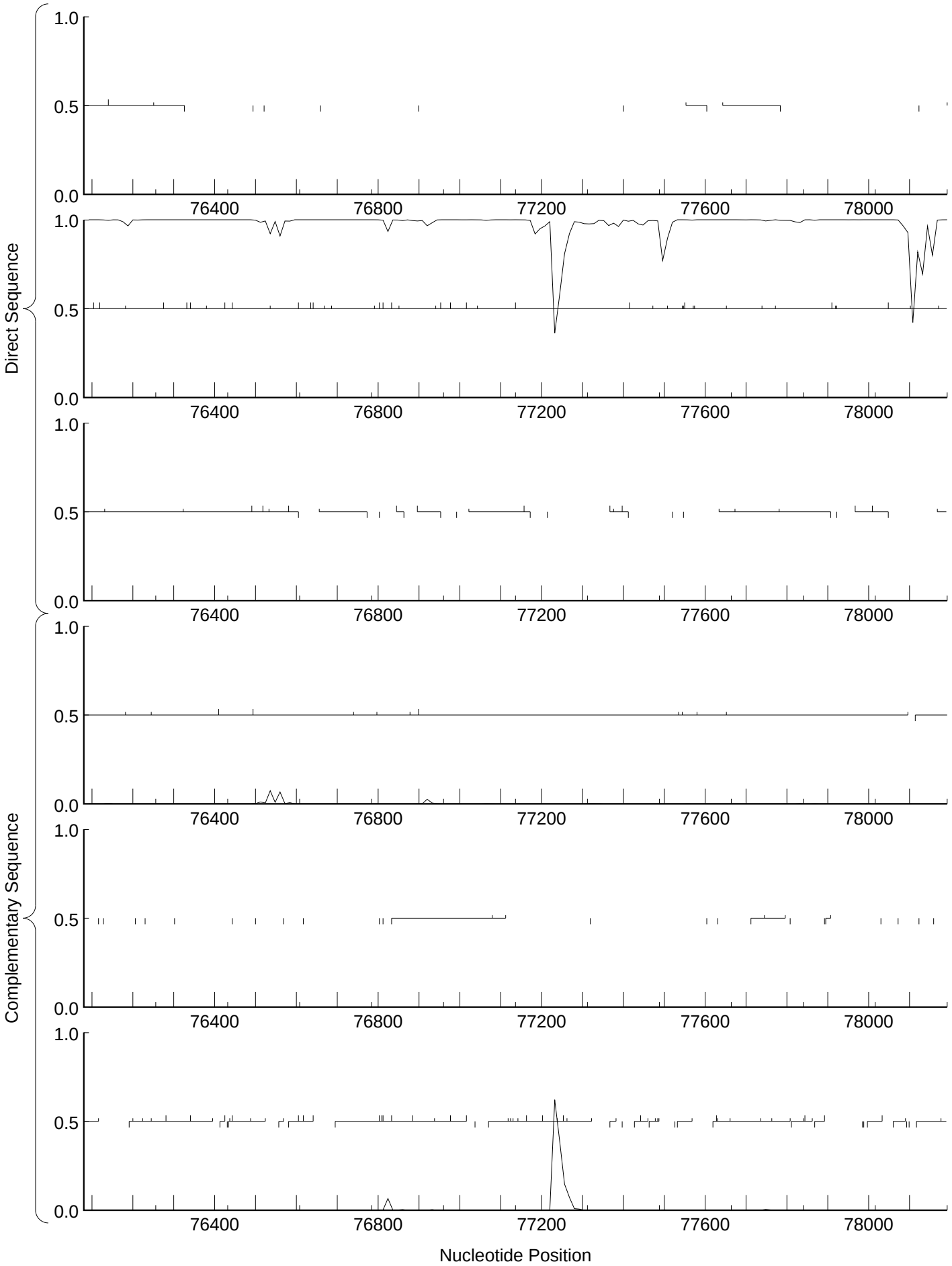


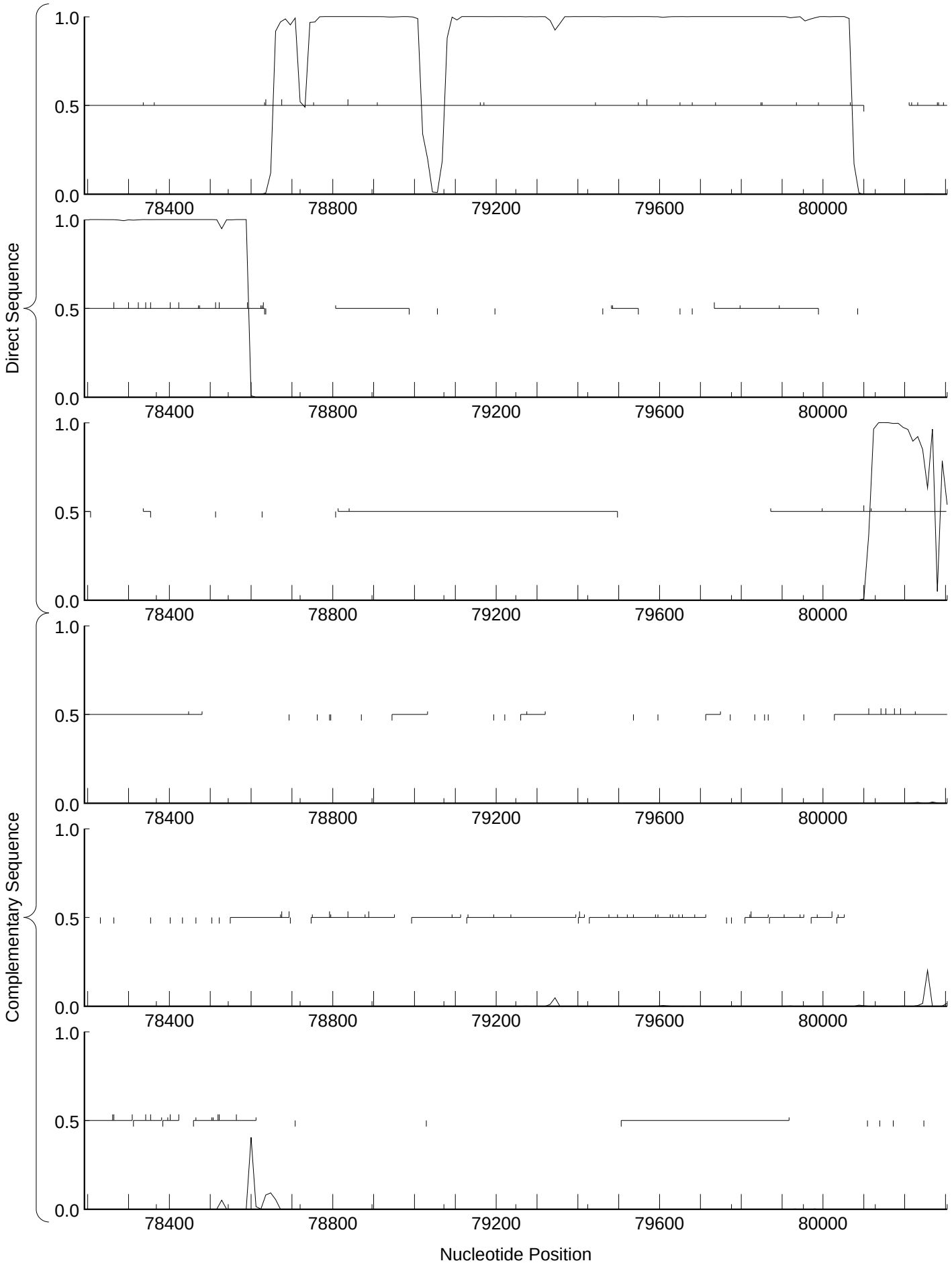
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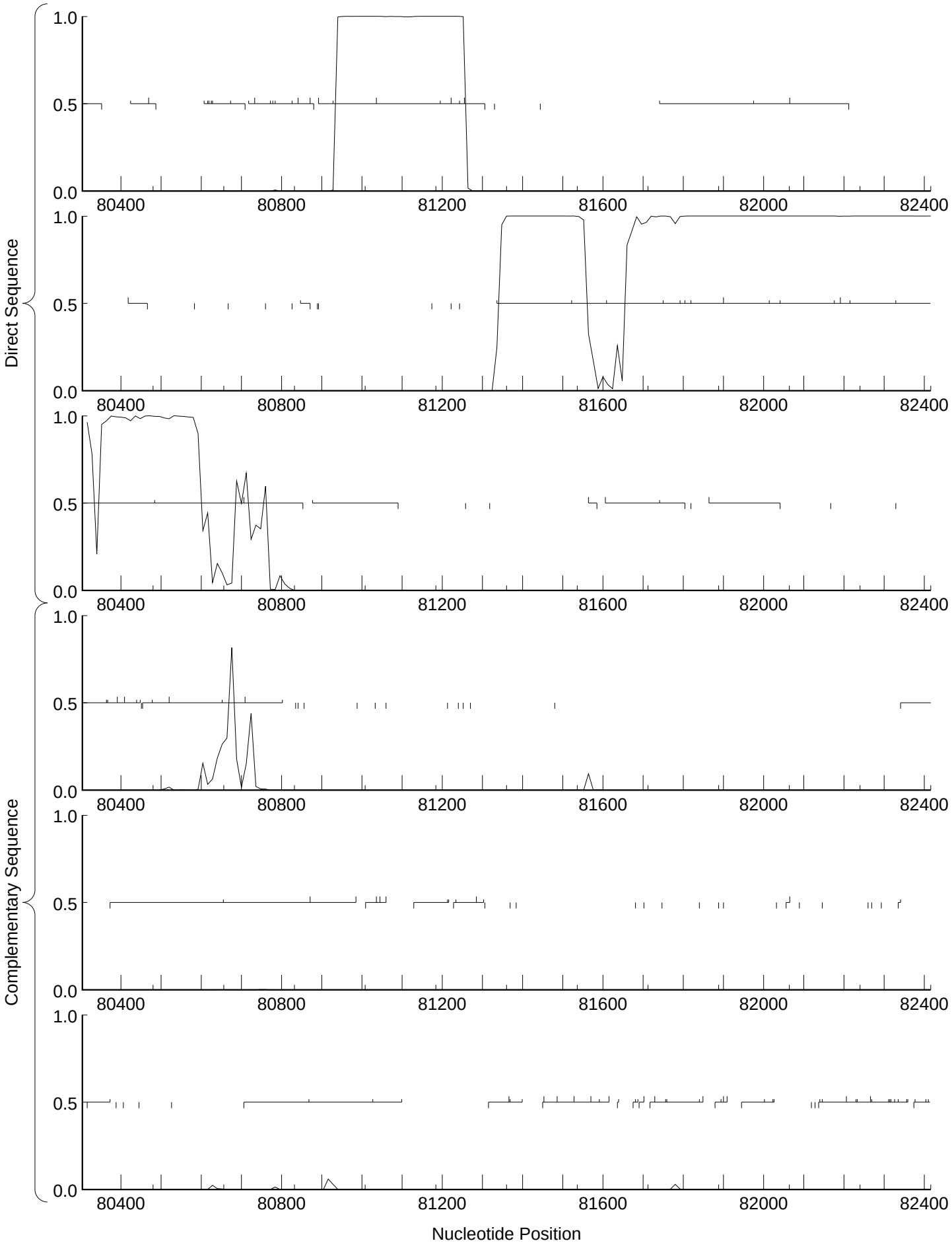


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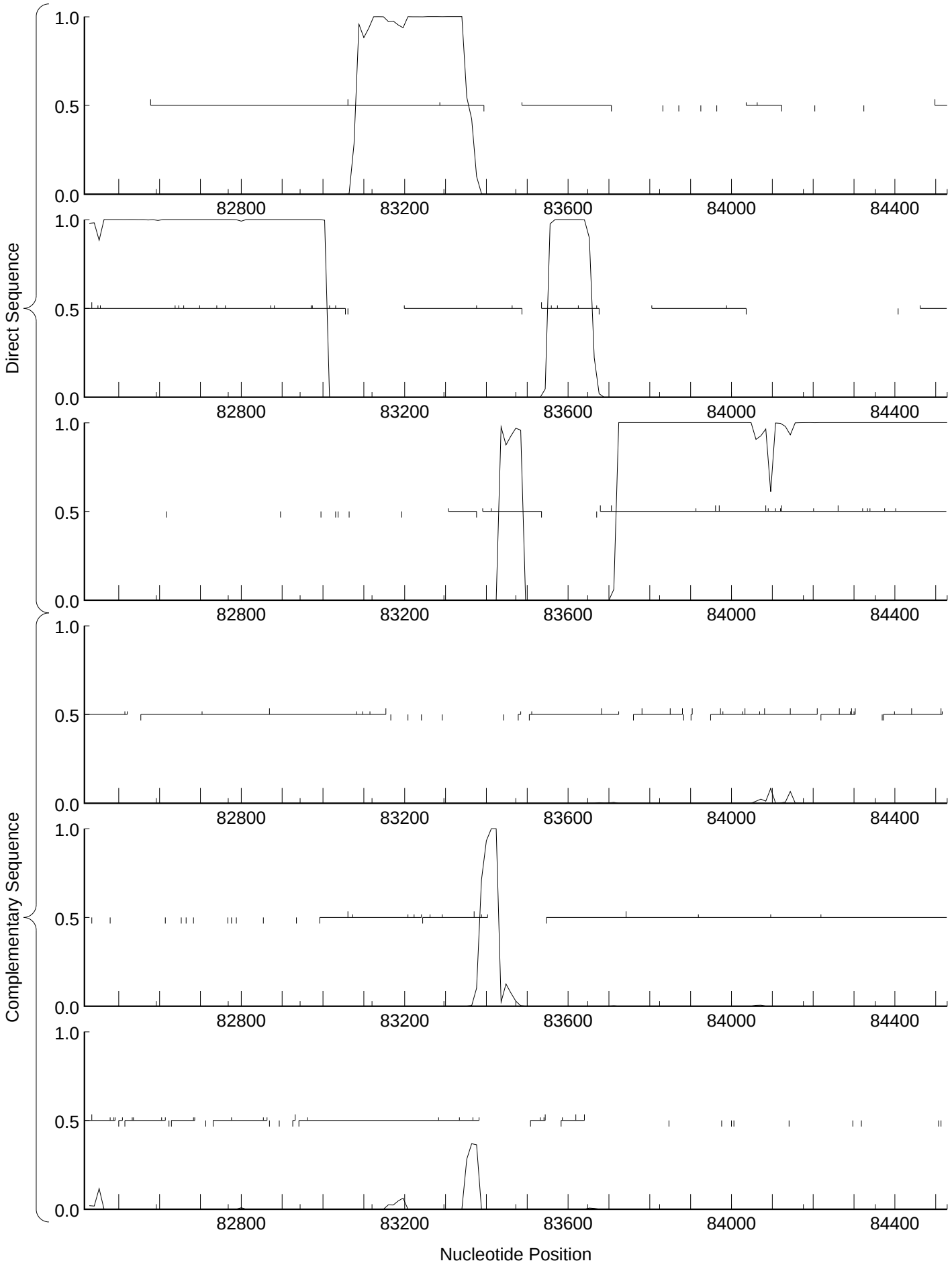


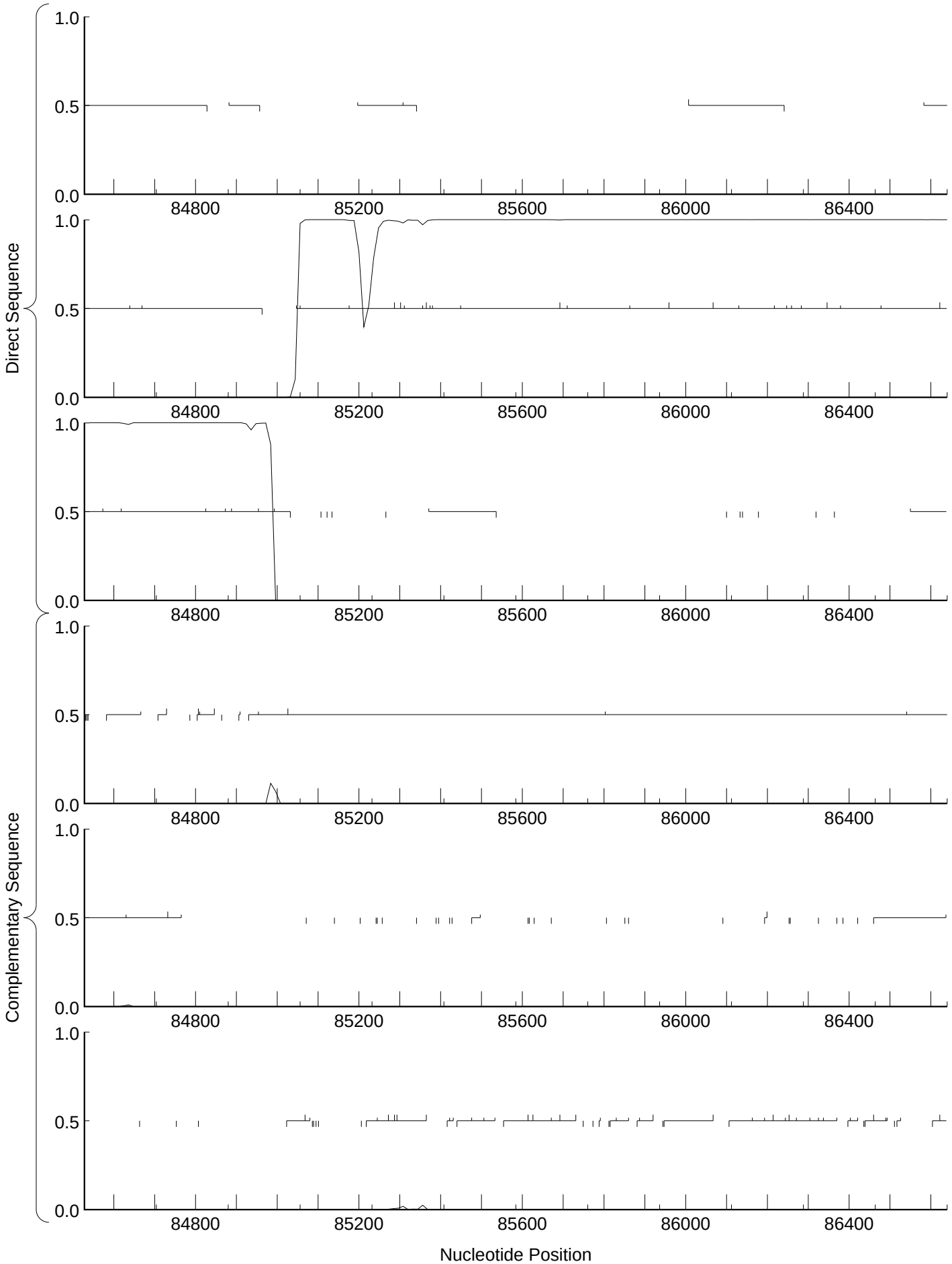

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77600
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Nucleotide Position

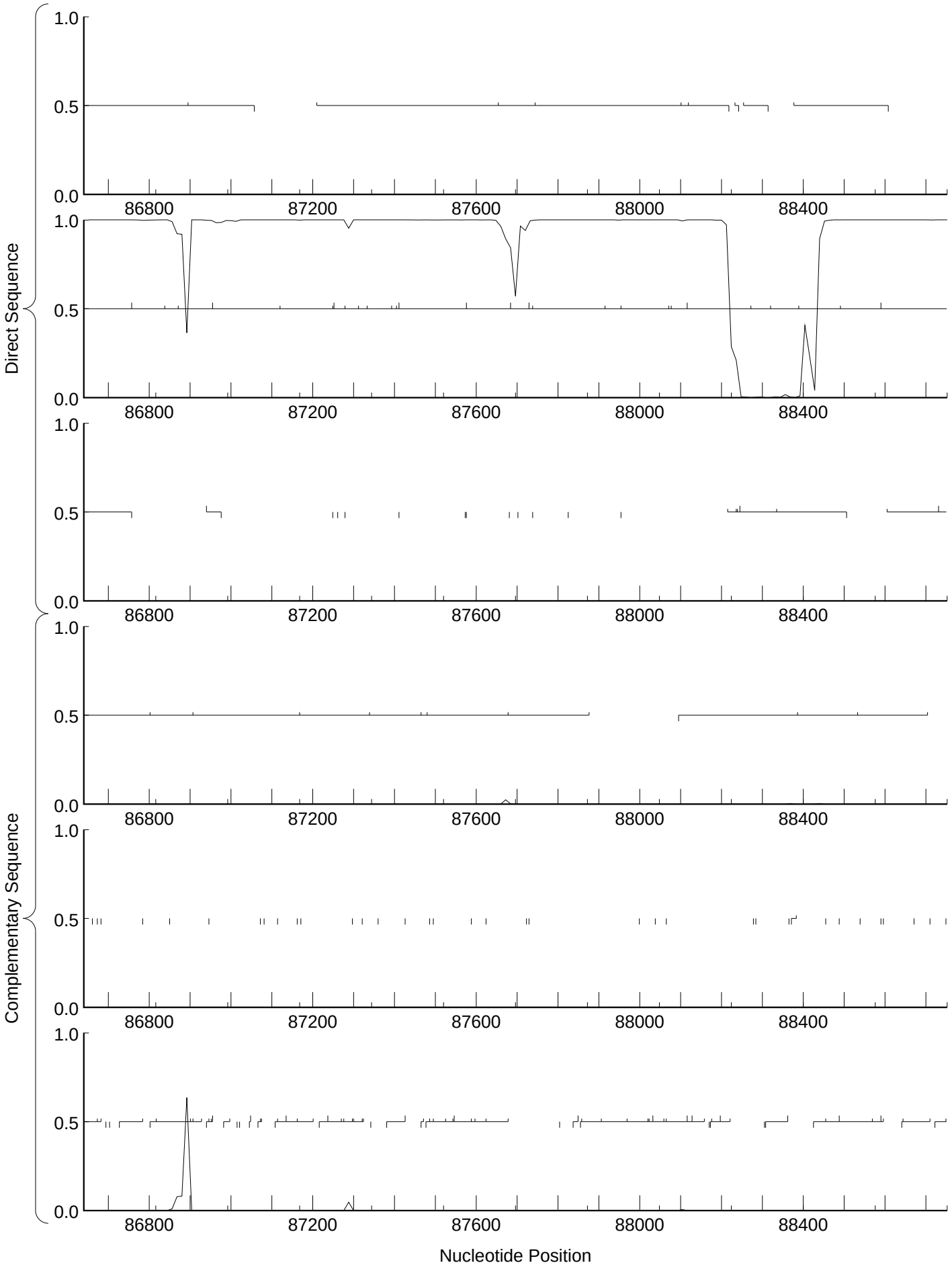

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Complementary Sequence
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0.5
0.0
78400
78800
79200
79600
80000
Nucleotide Position


Direct Sequence
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80800
81200
81600
82000
82400
Nucleotide Position

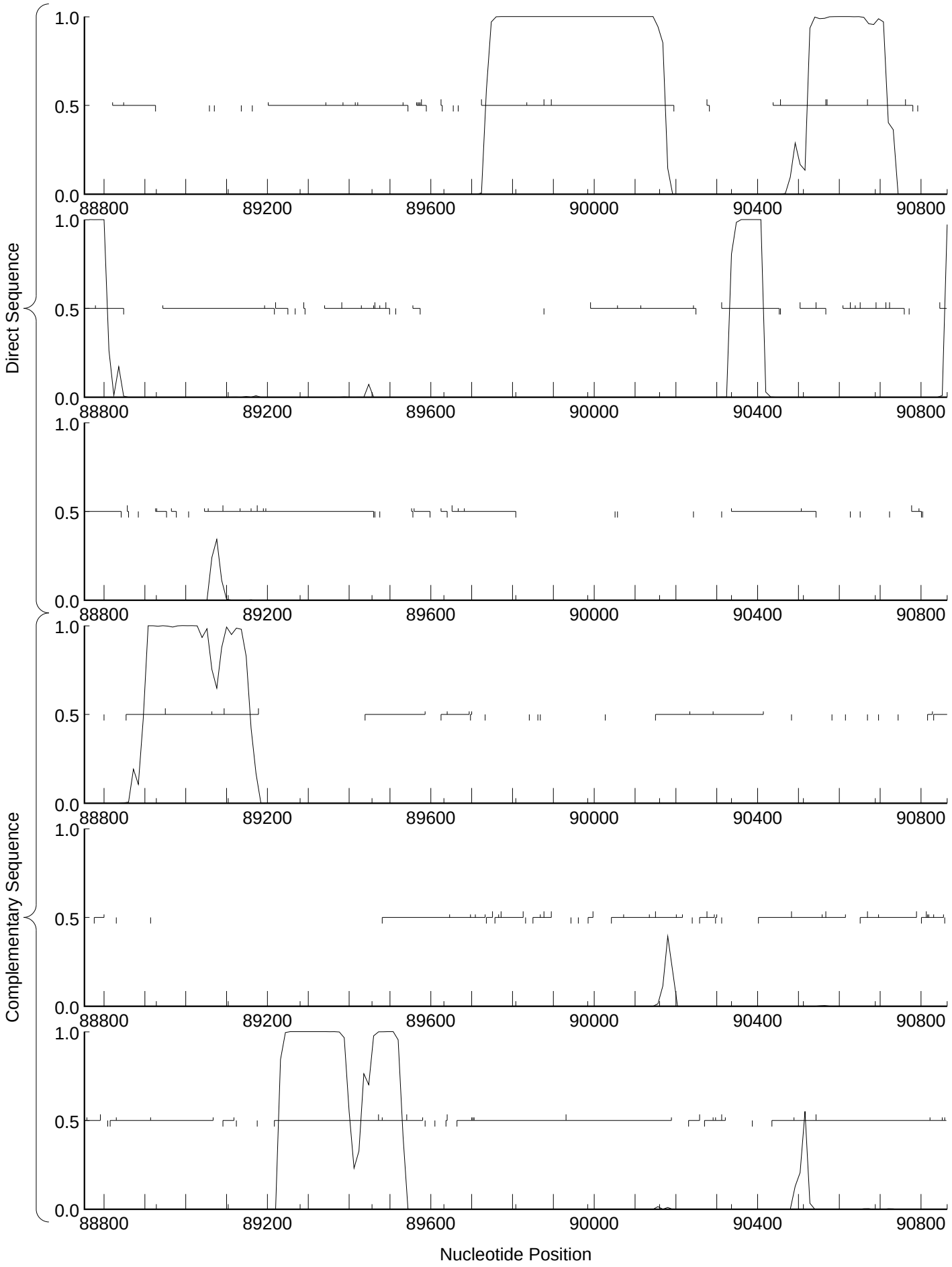
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 41/75



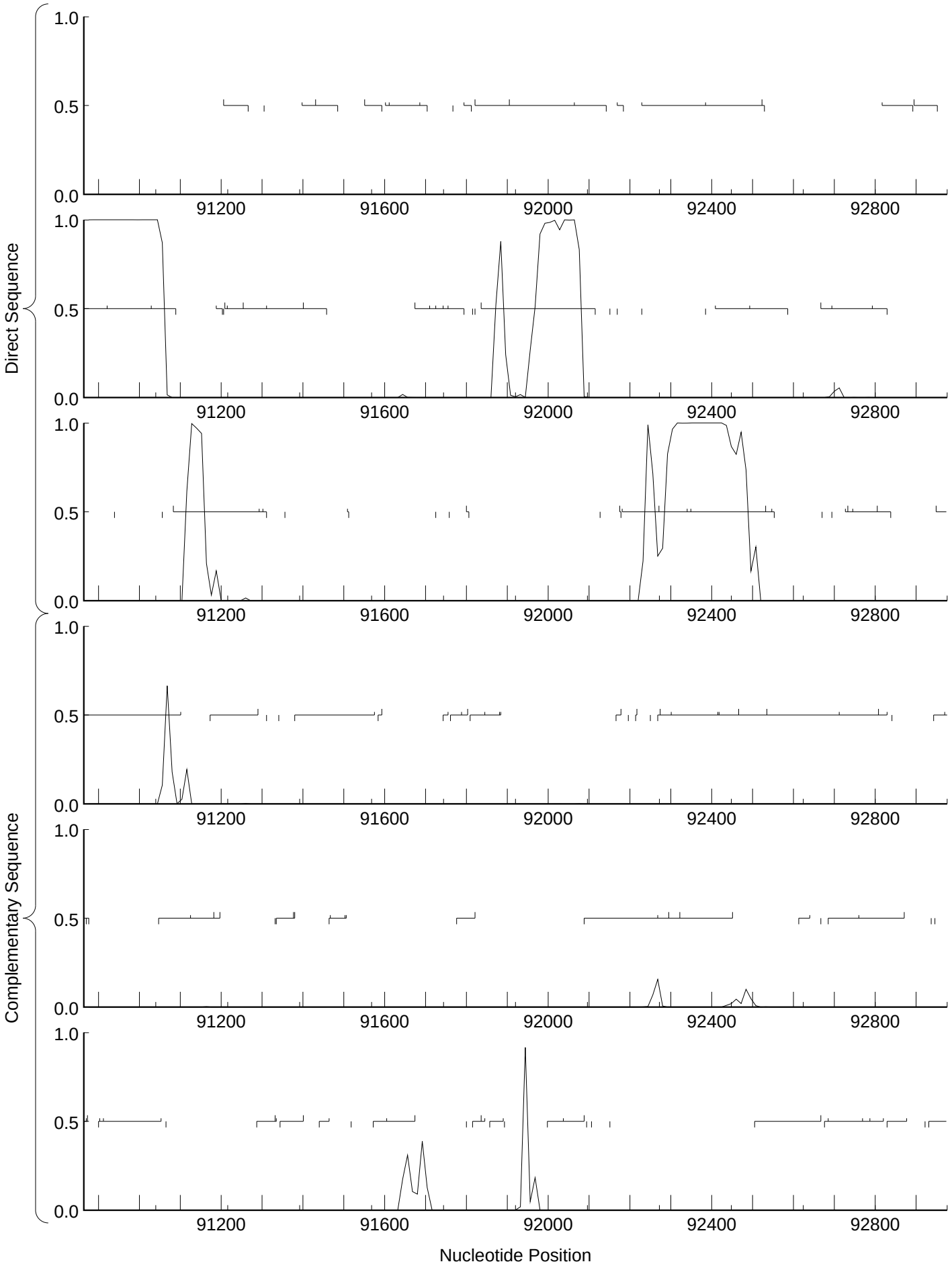

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
84800
85200
85600
86000
86400
Nucleotide Position

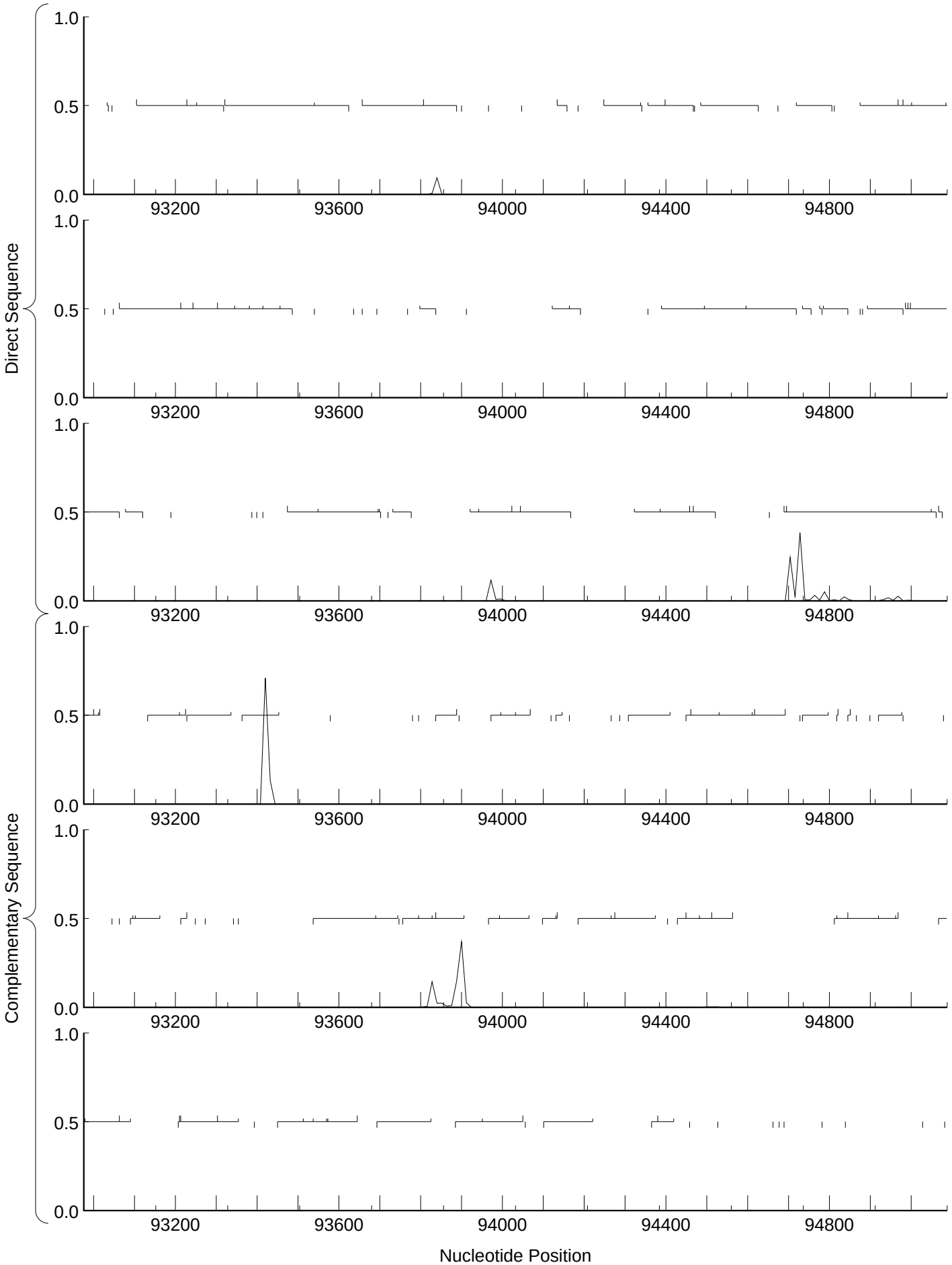

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
86800
87200
87600
88000
88400
Nucleotide Position

bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 44/75

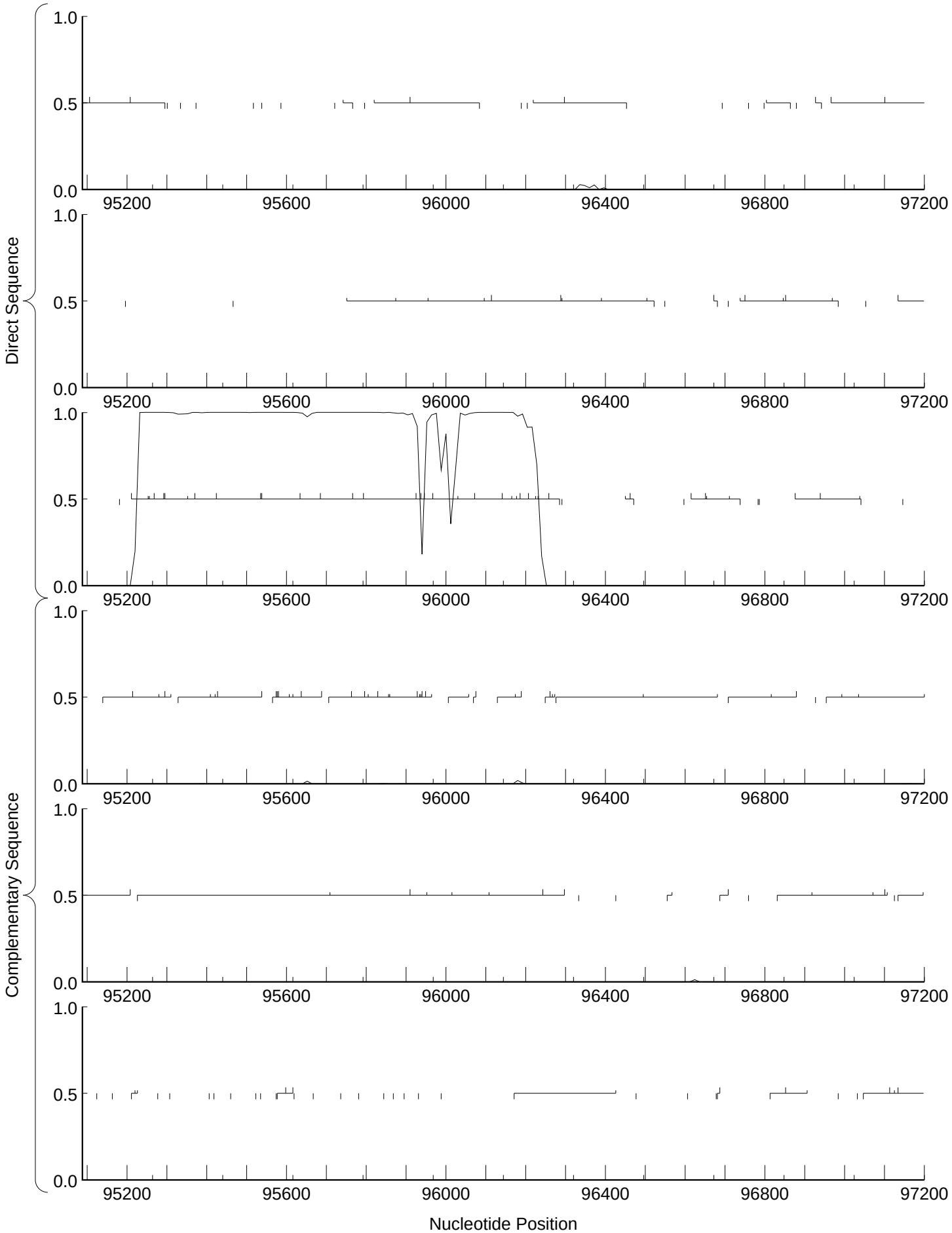


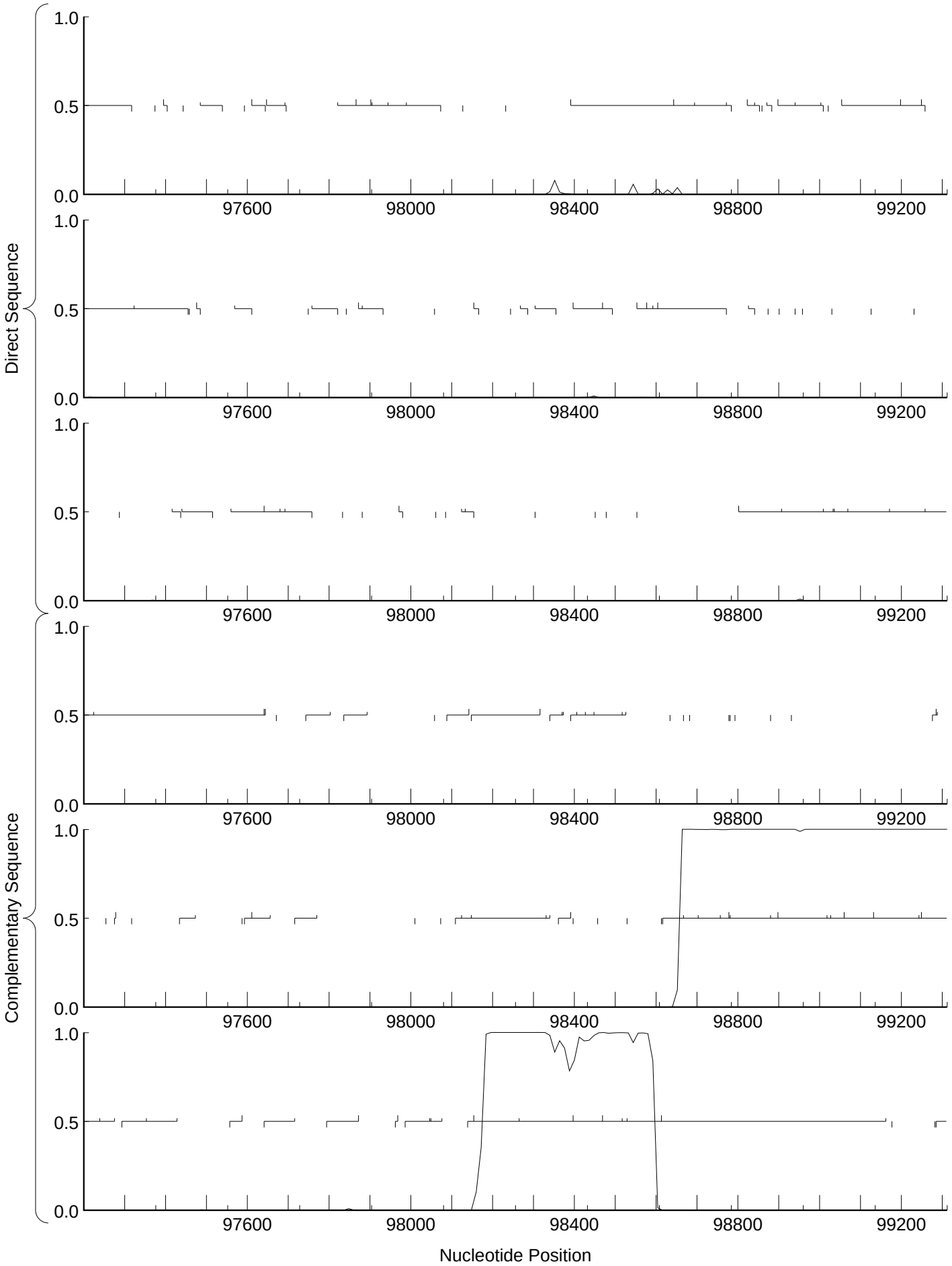
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 45/75

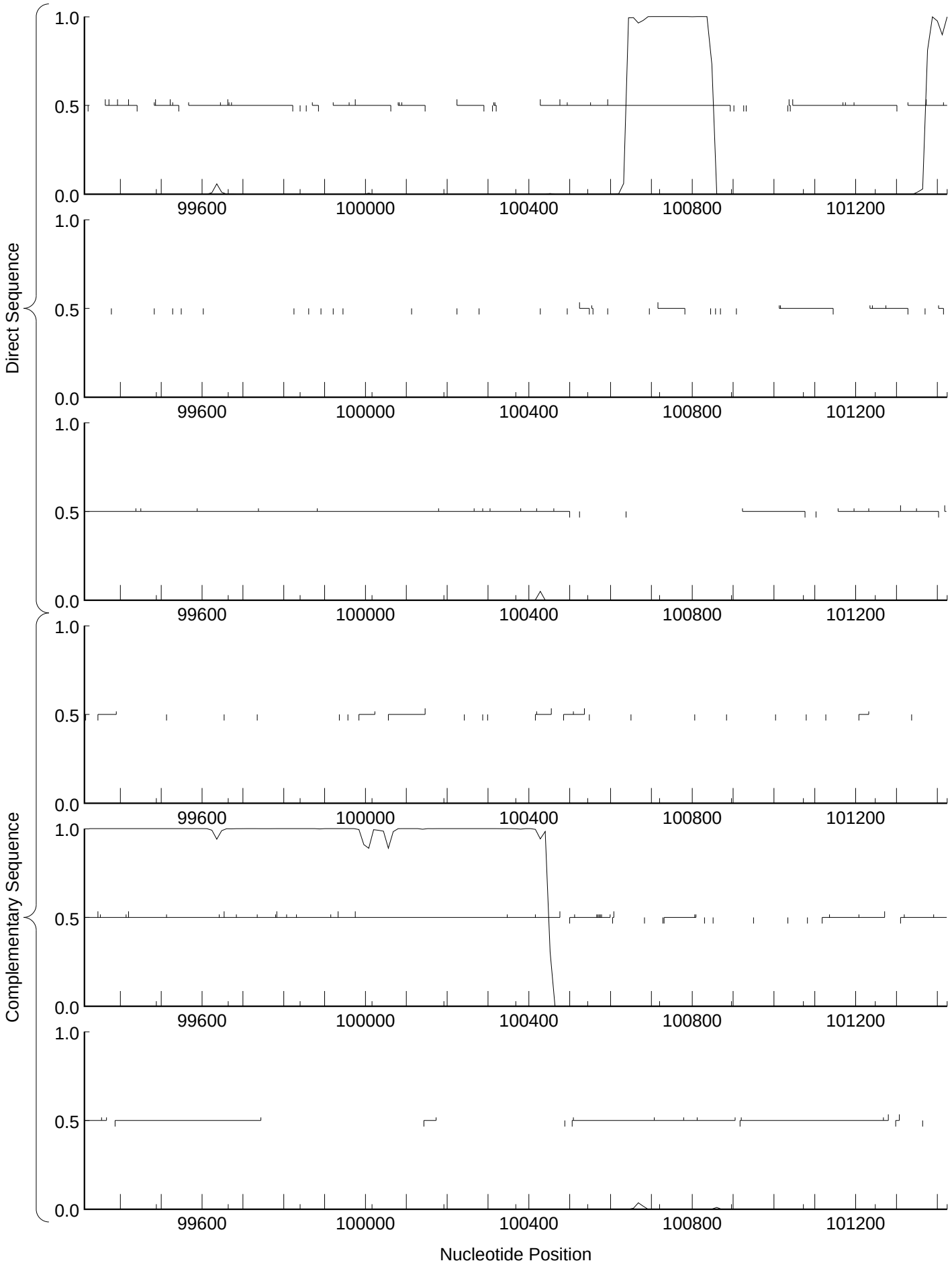



Direct Sequence
Complementary Sequence
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0.5
0.0
93200
93600
94000
94400
94800
Nucleotide Position

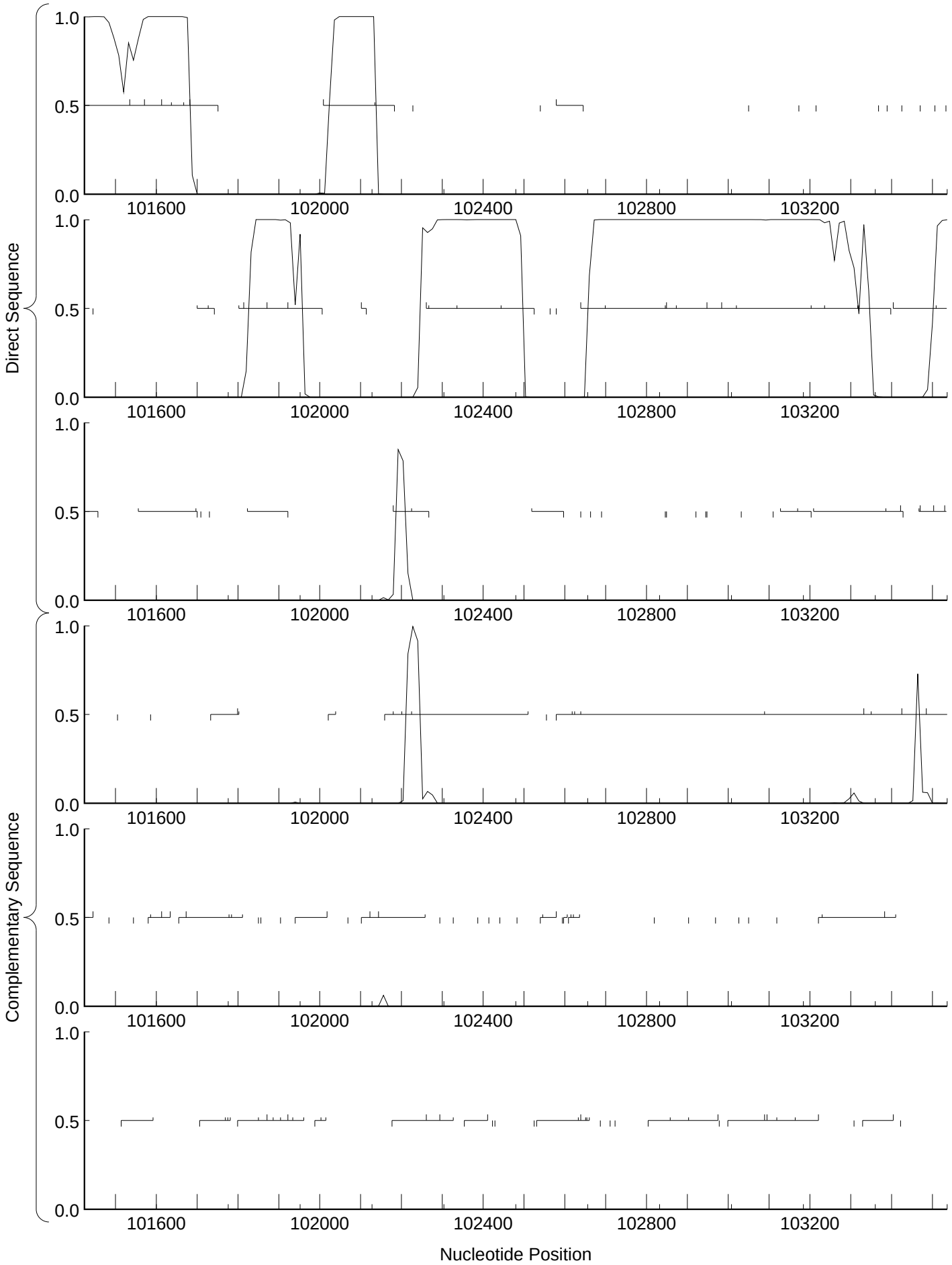
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 47/75



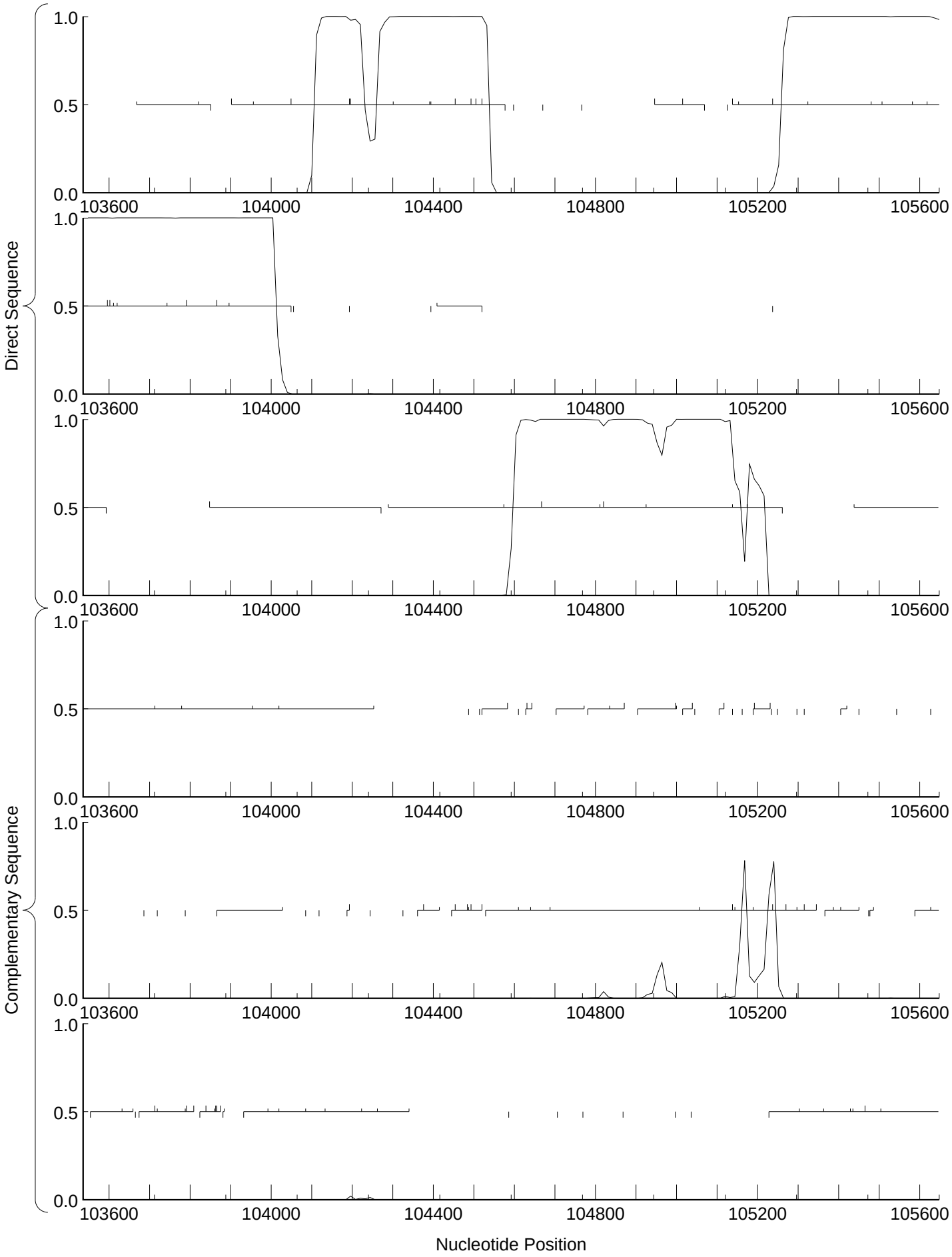

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
97600
98000
98400
98800
99200
Nucleotide Position


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
99600
100000
100400
100800
101200
Nucleotide Position

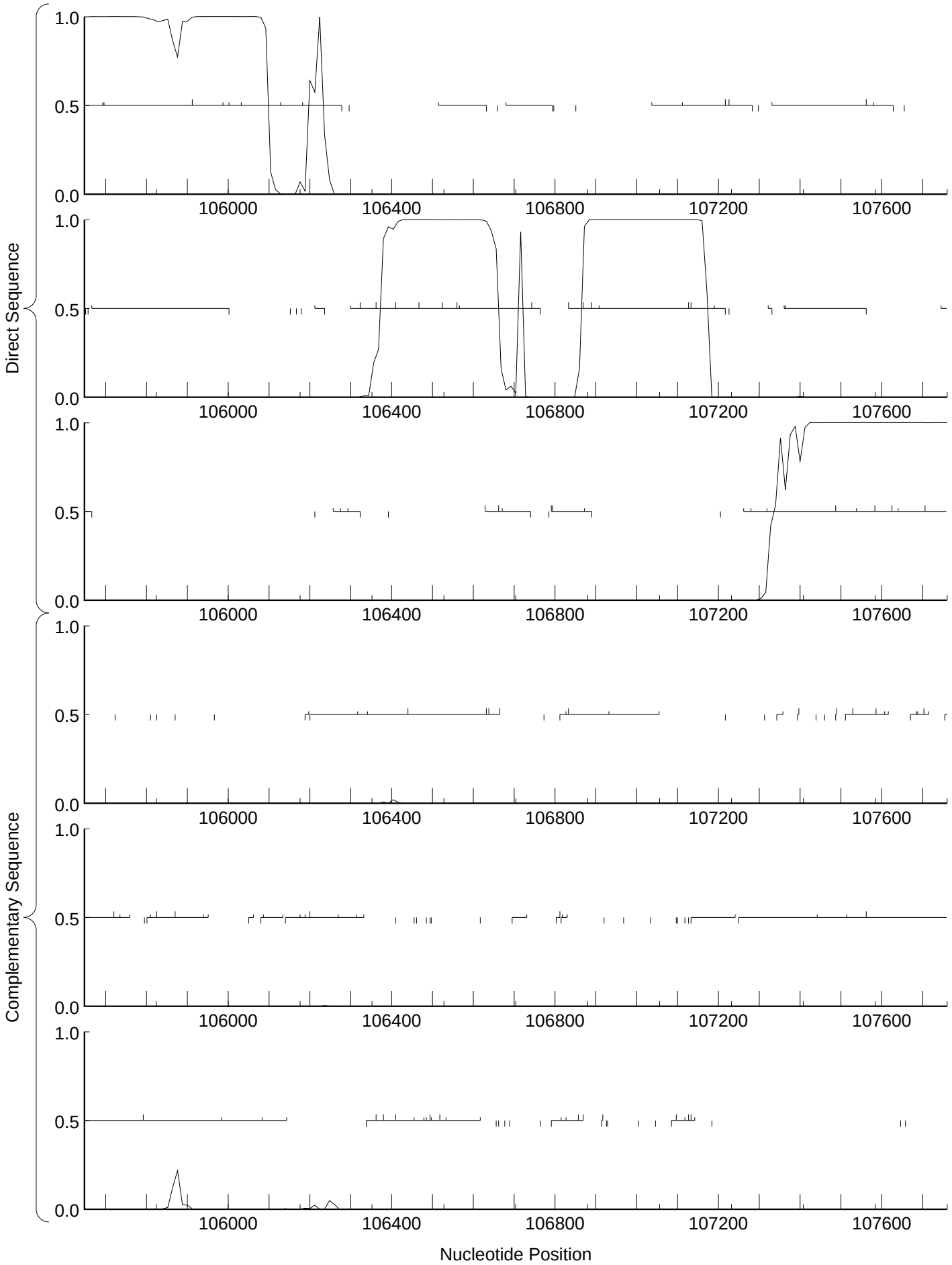
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 50/75

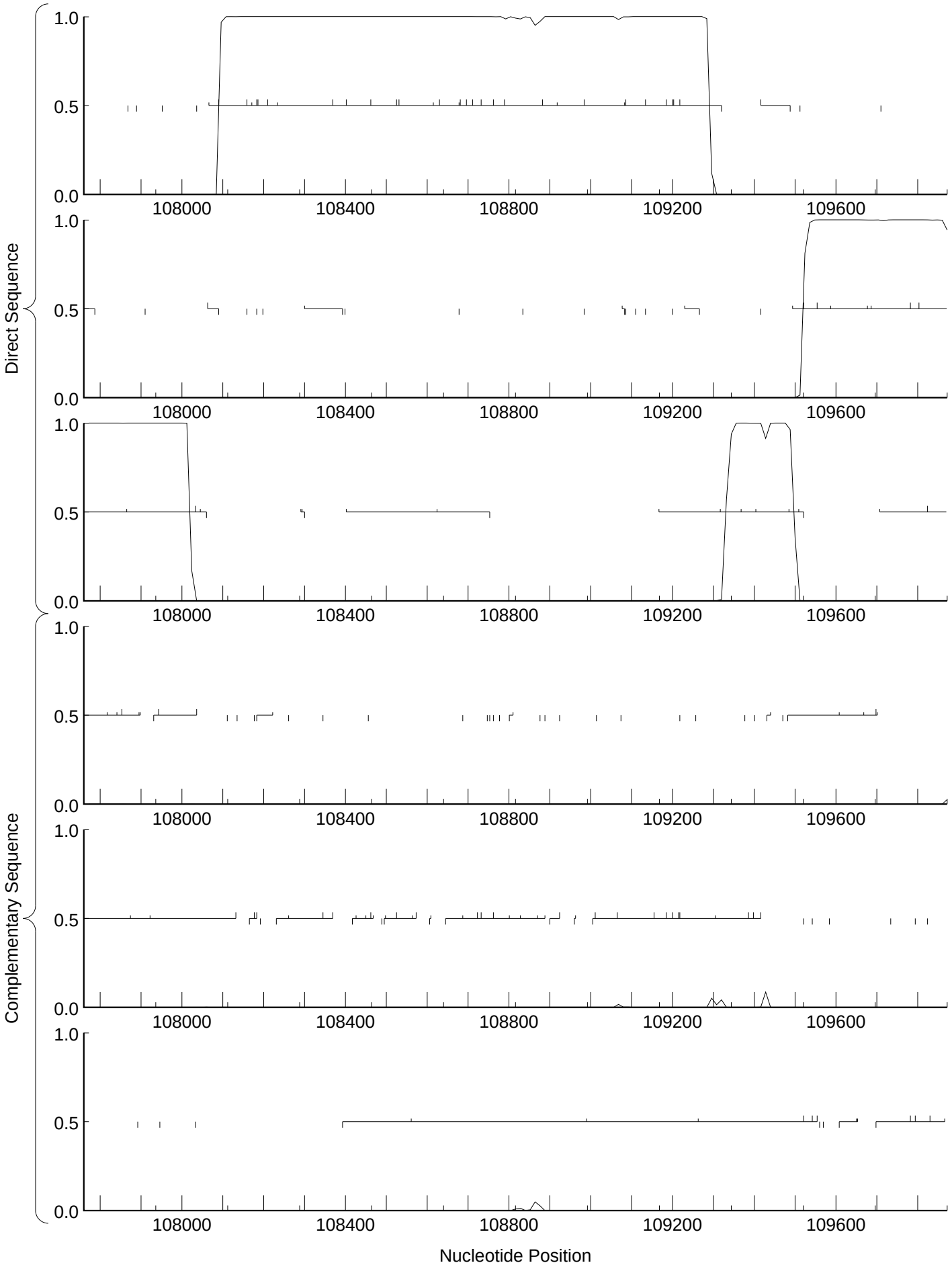


bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 51/75

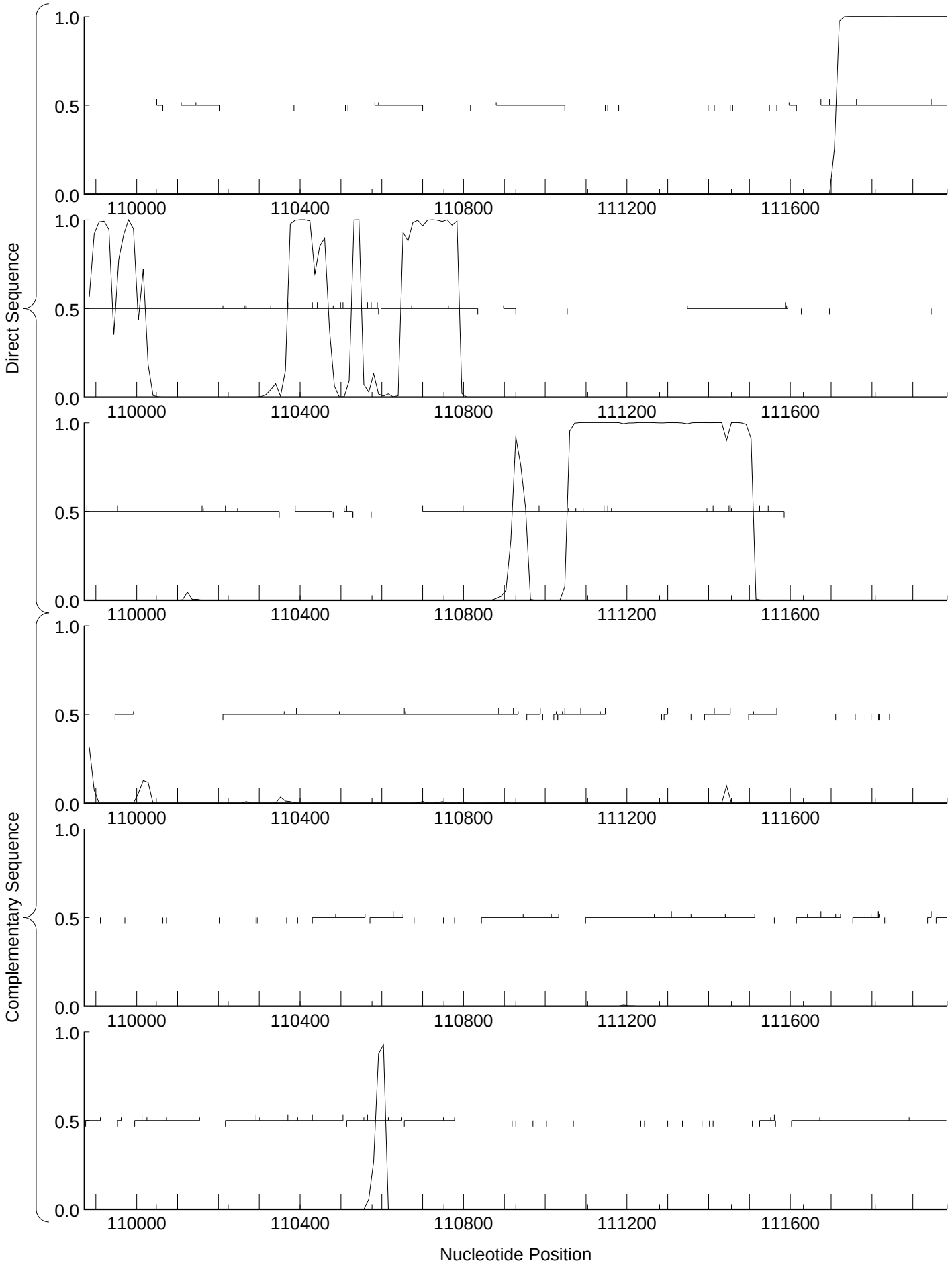


bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 52/75

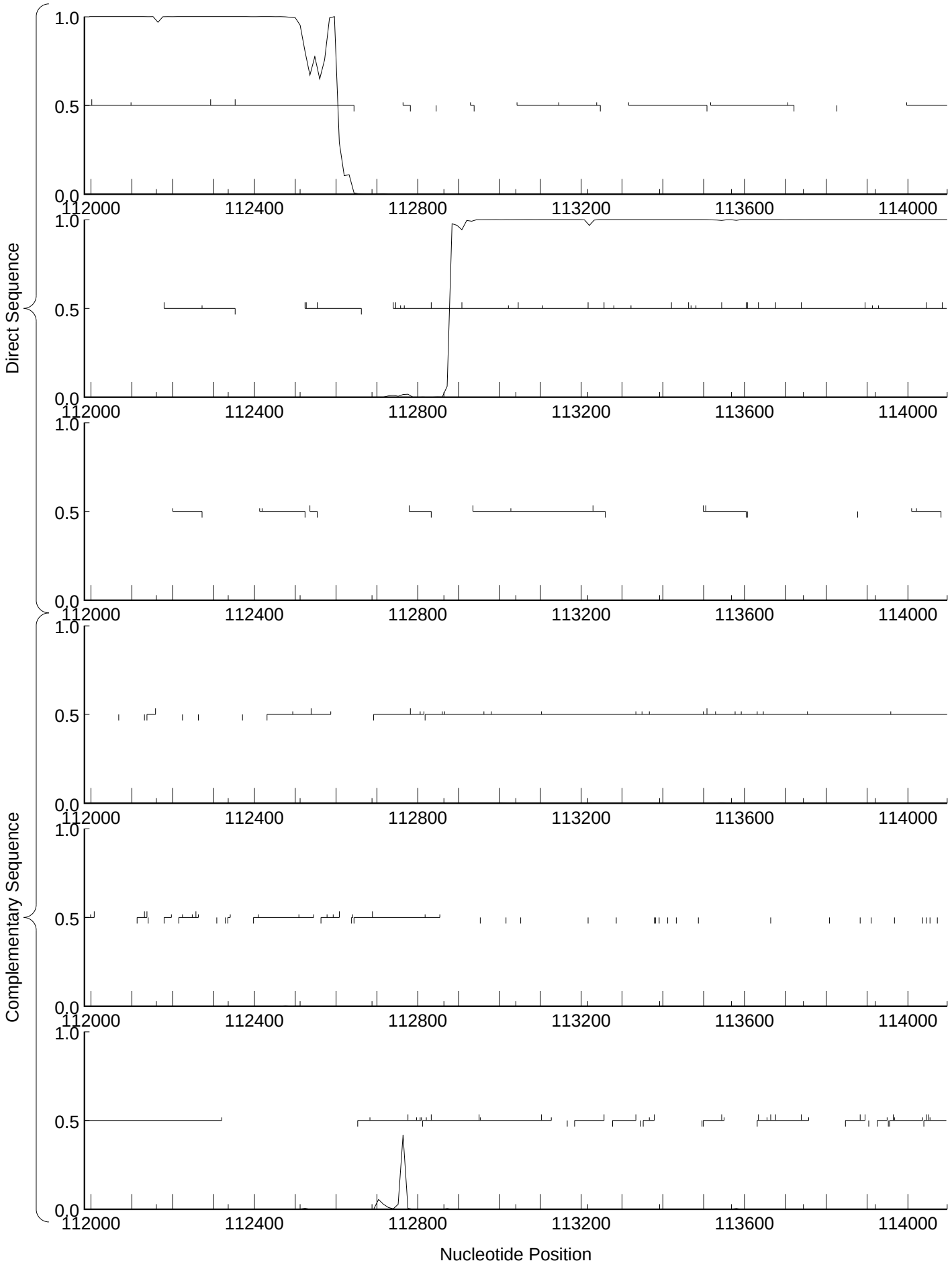



Direct Sequence
Complementary Sequence
1.0
0.5
0.0
108000
108400
108800
109200
109600
Nucleotide Position

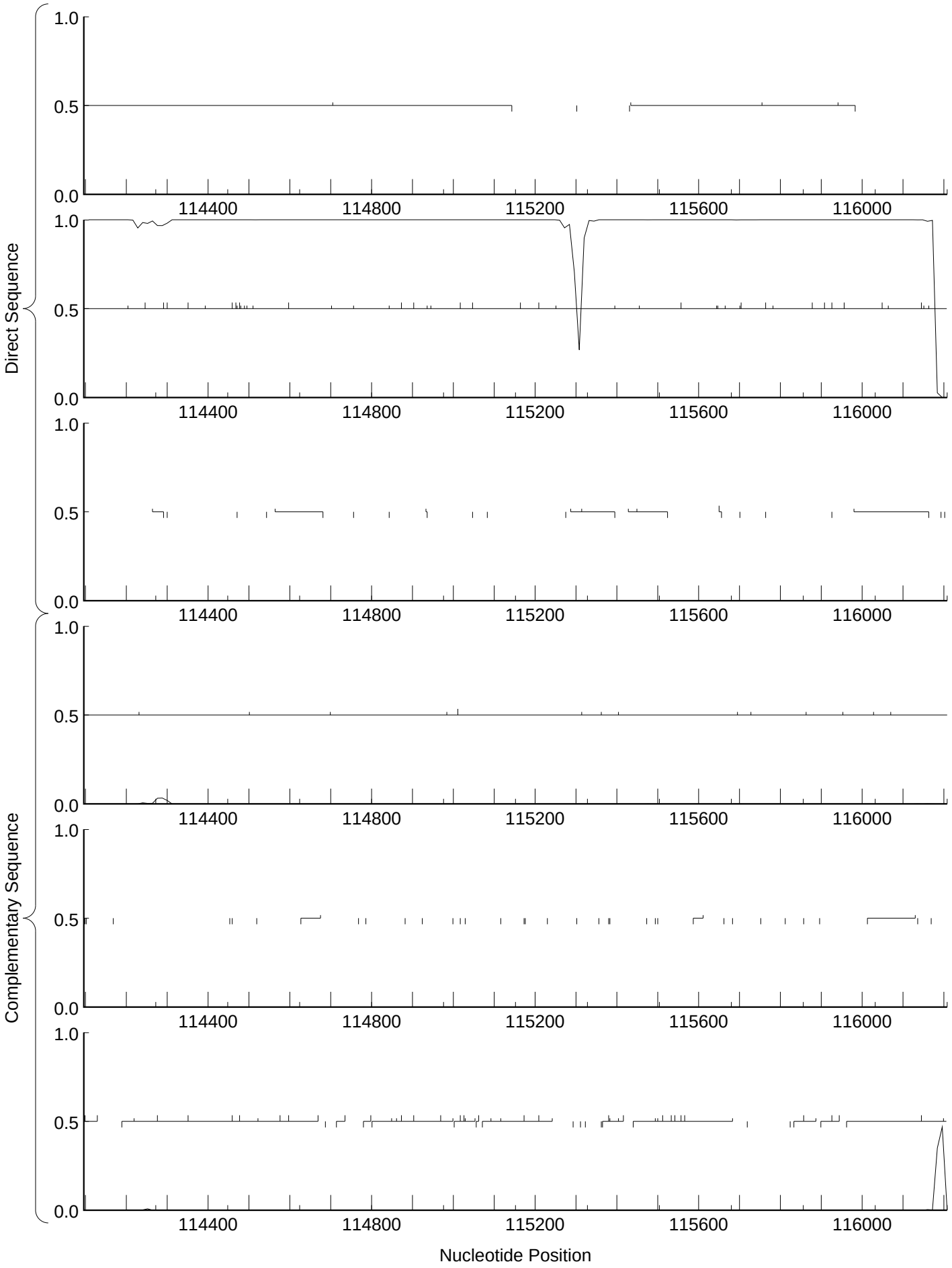
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 54/75

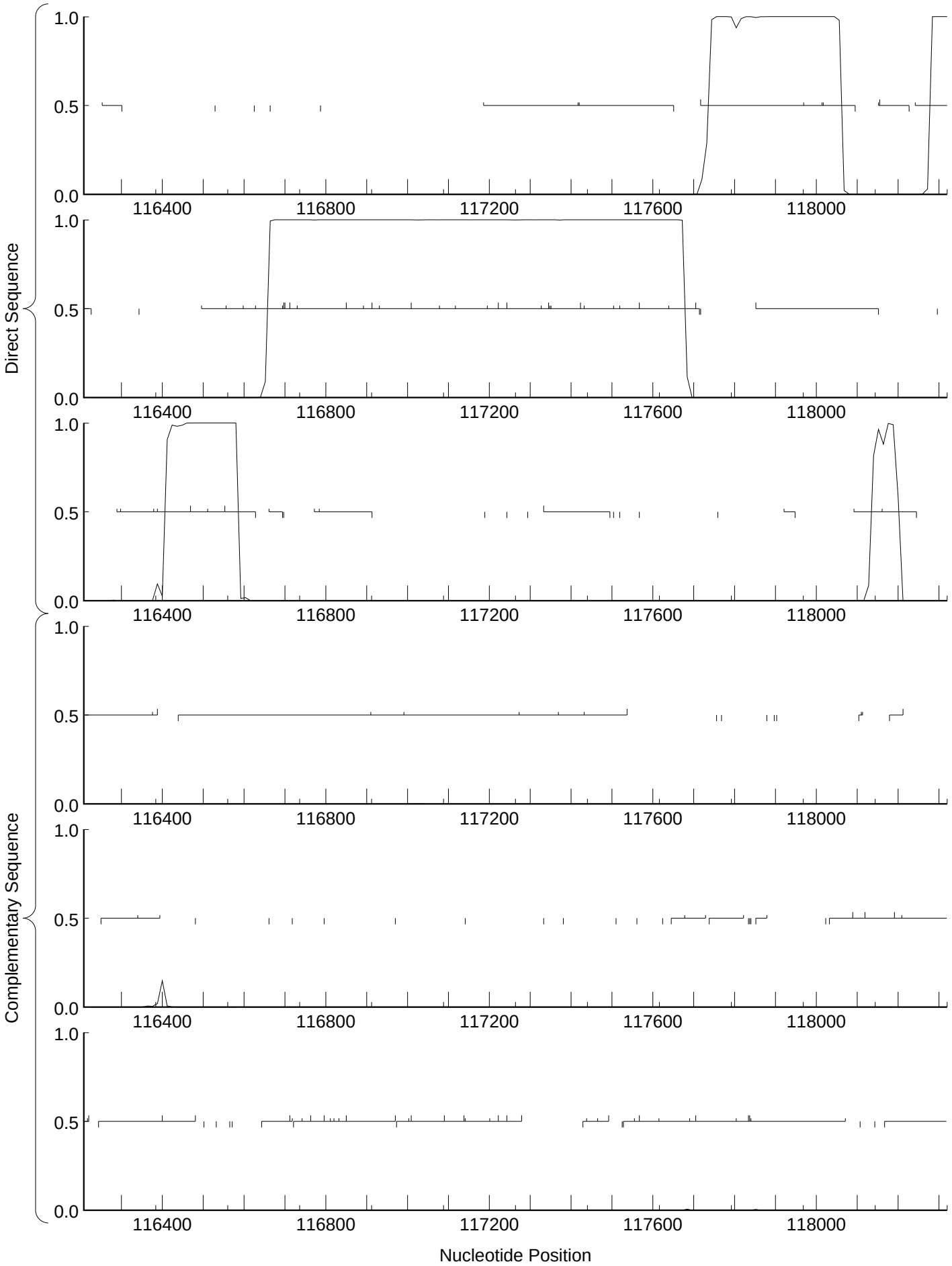


bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 55/75

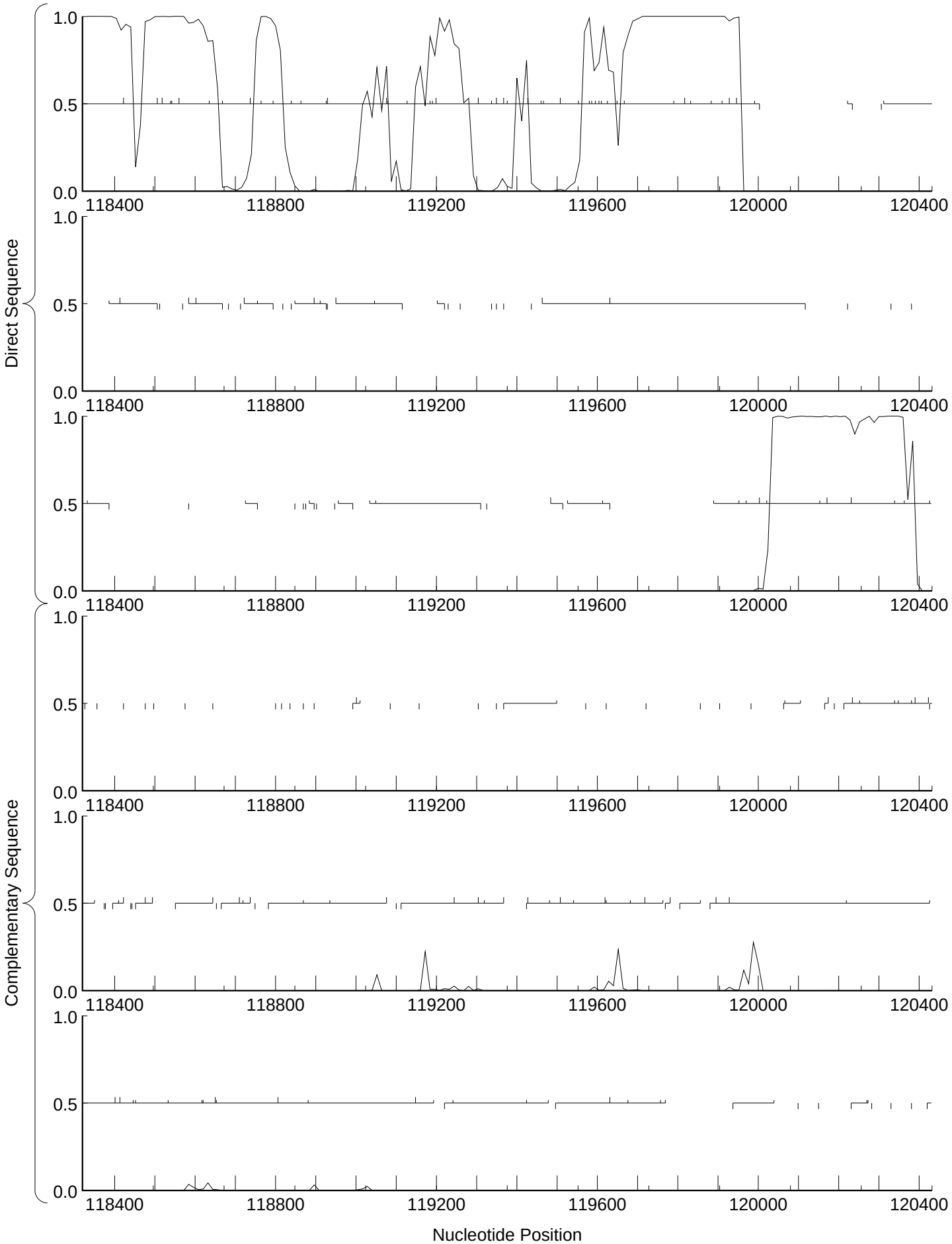


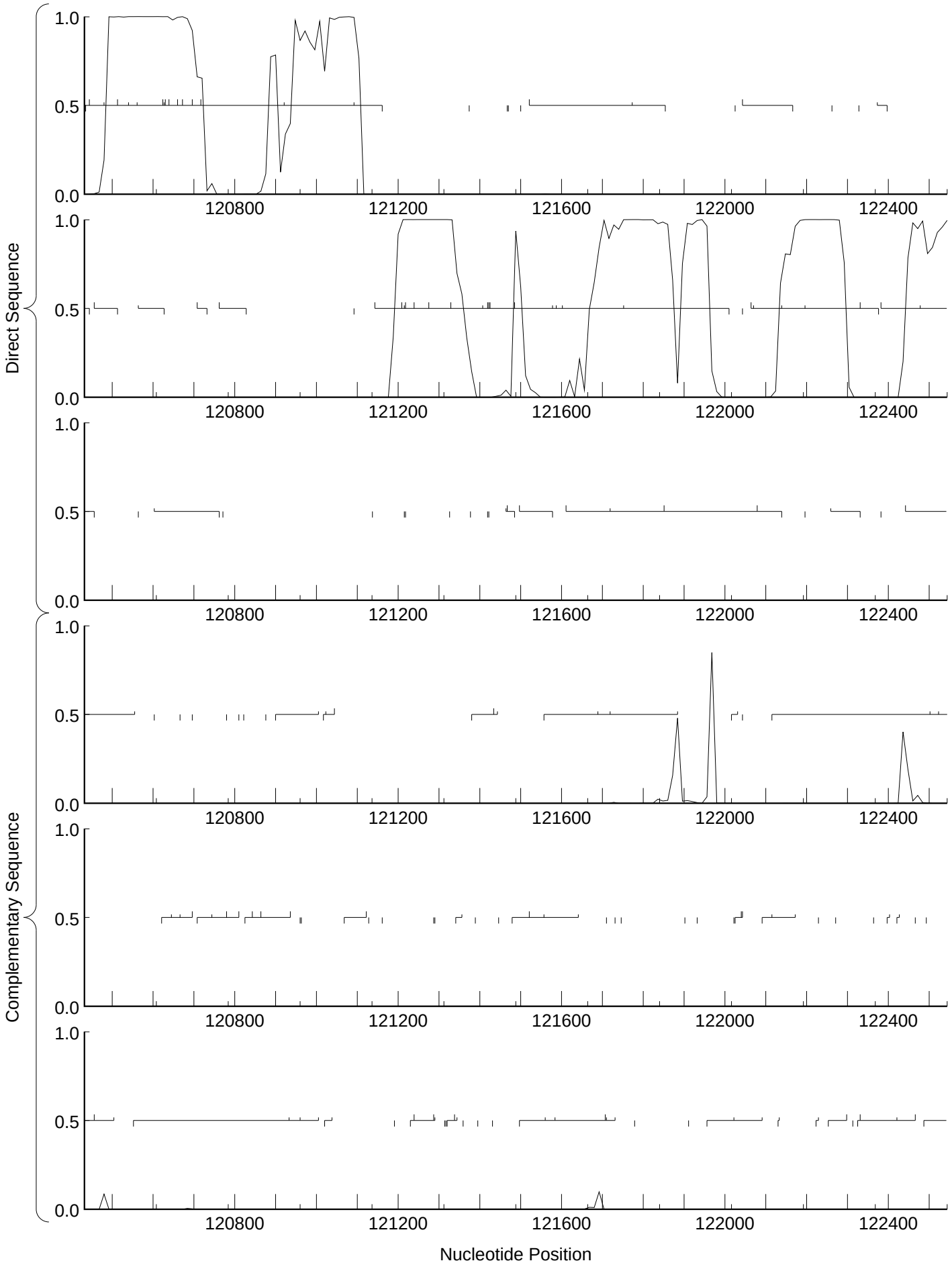
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 56/75



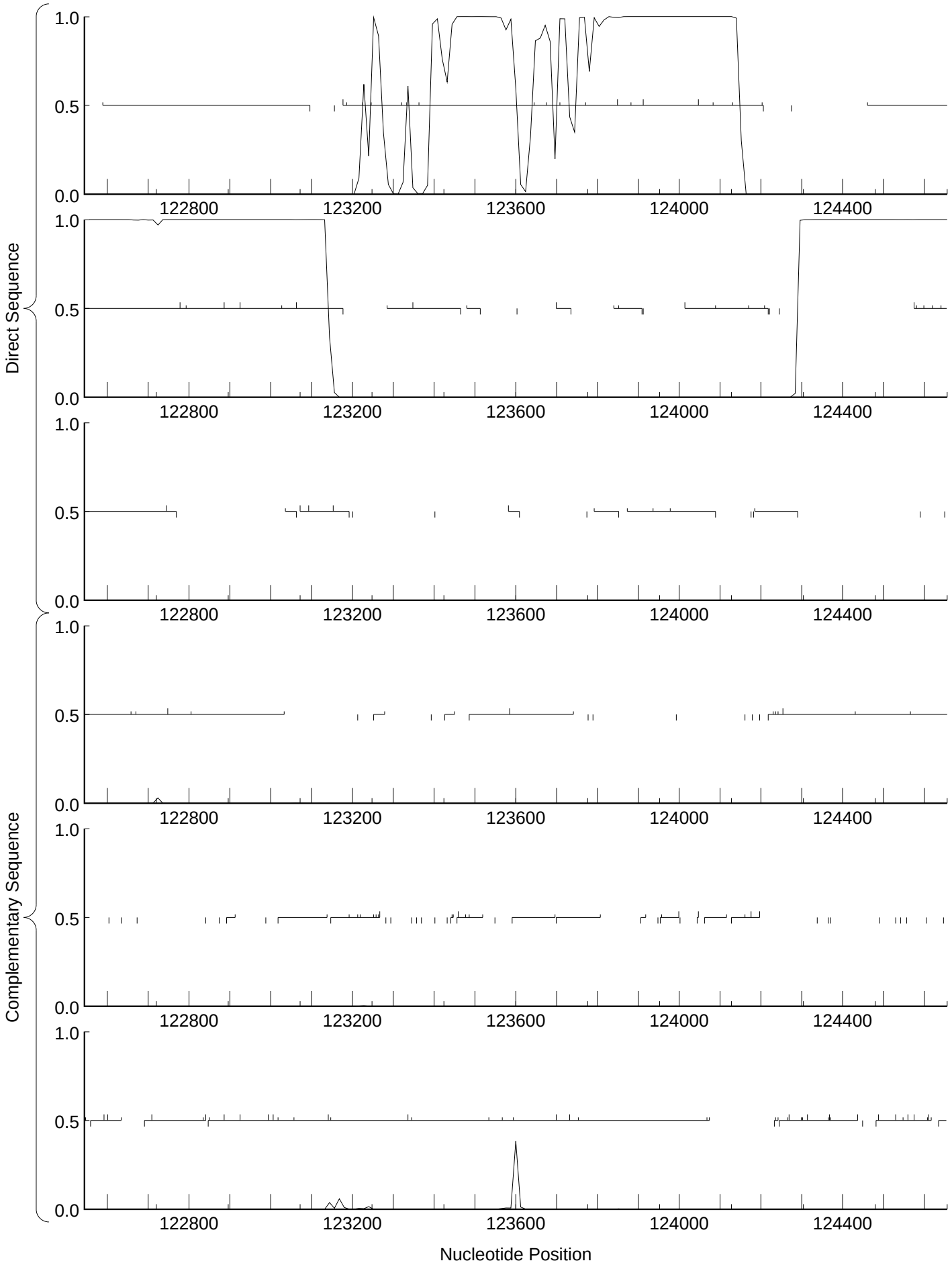

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
116400
116800
117200
117600
118000
Nucleotide Position

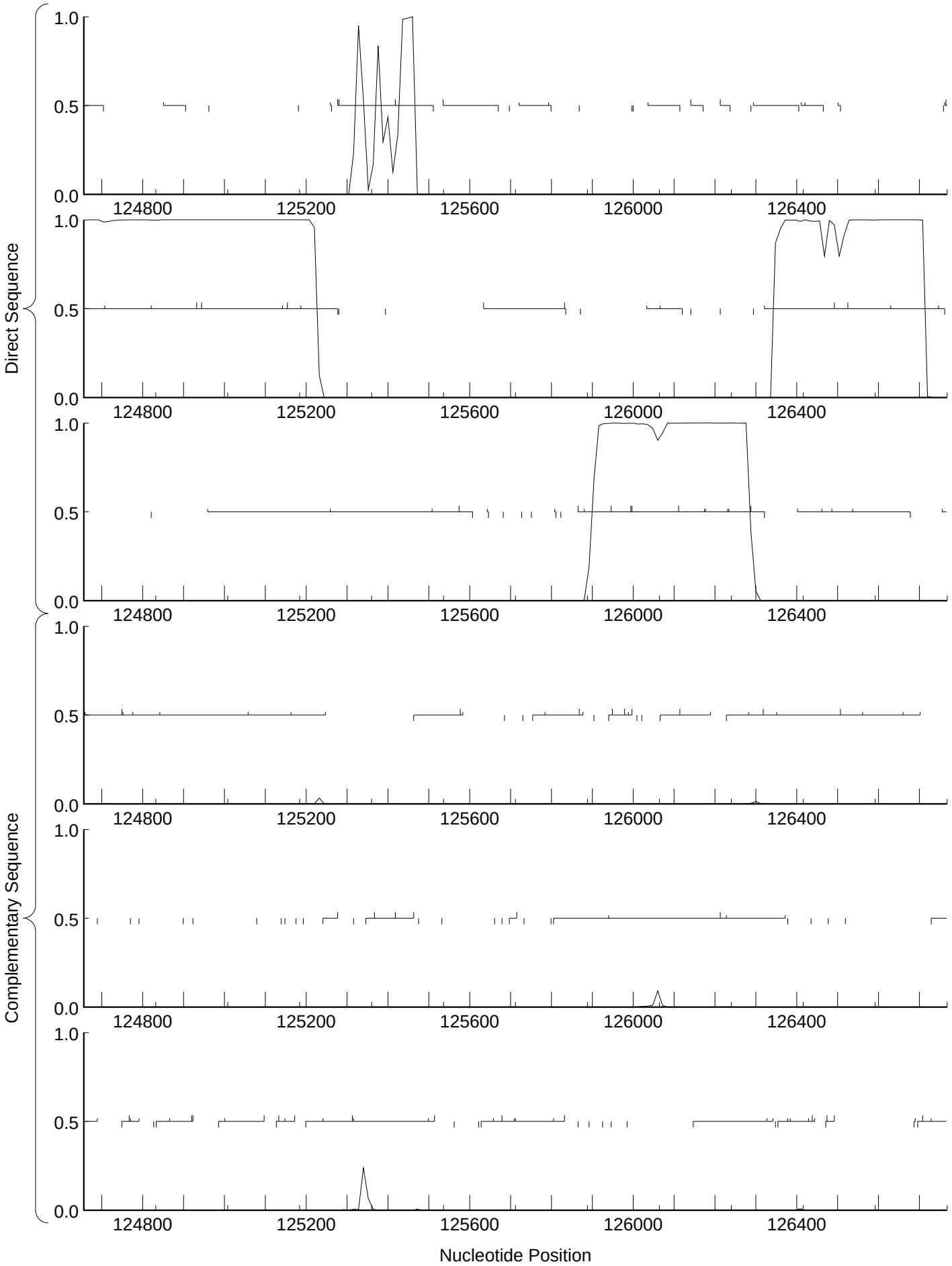
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 58/75



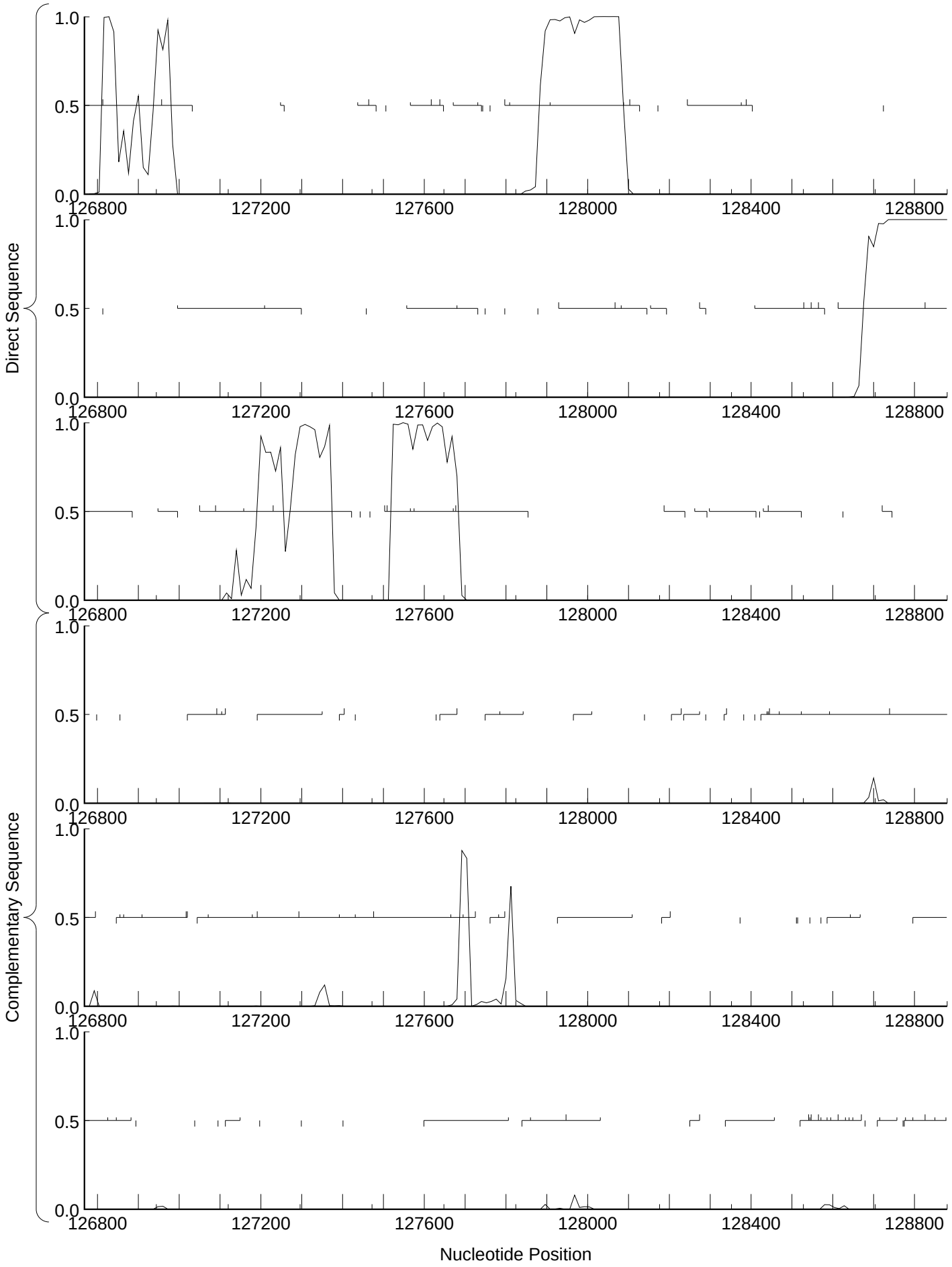

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
120800
121200
121600
122000
122400
Nucleotide Position

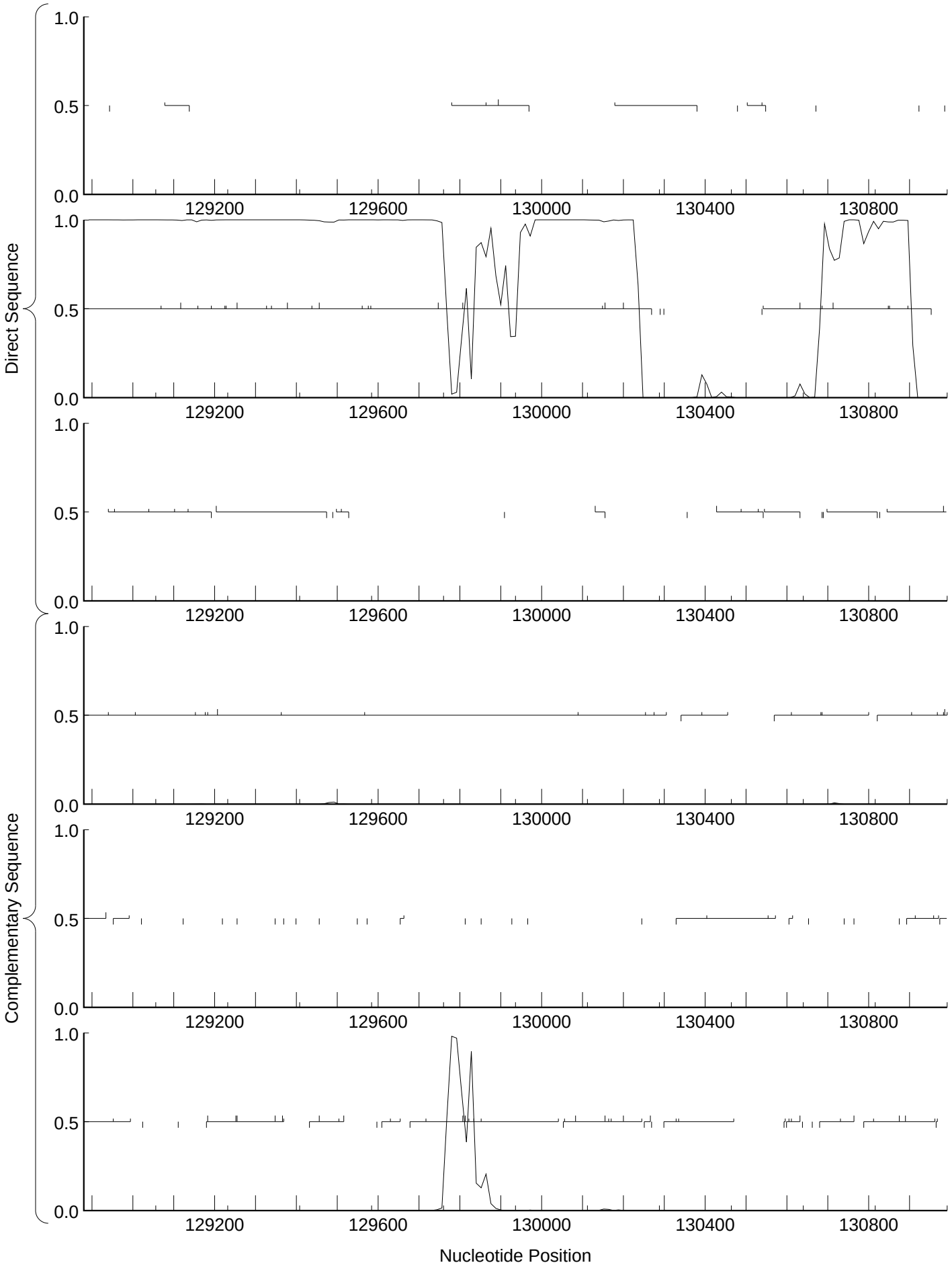
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 60/75



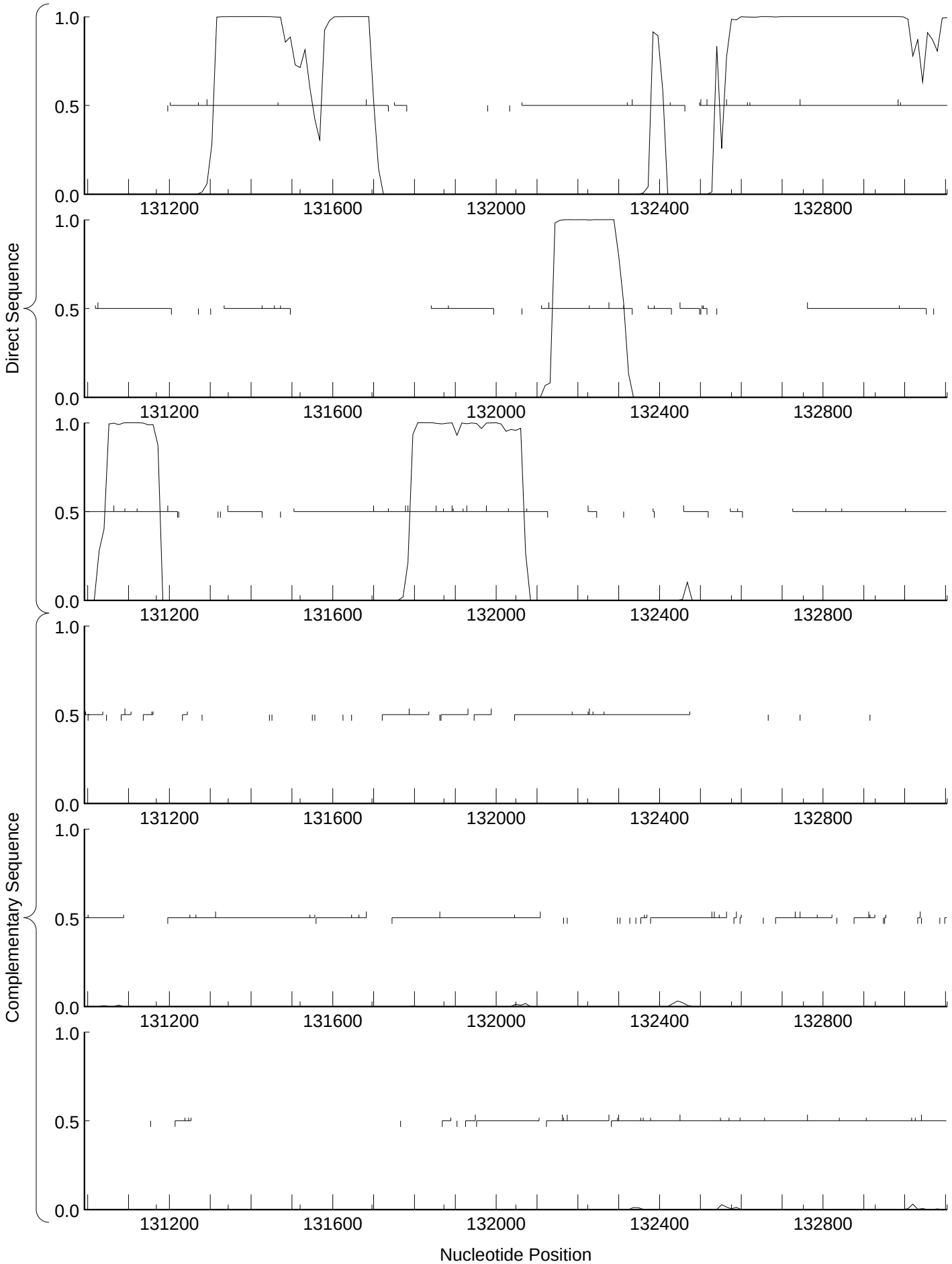

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
124800
125200
125600
126000
126400
Nucleotide Position

bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 62/75

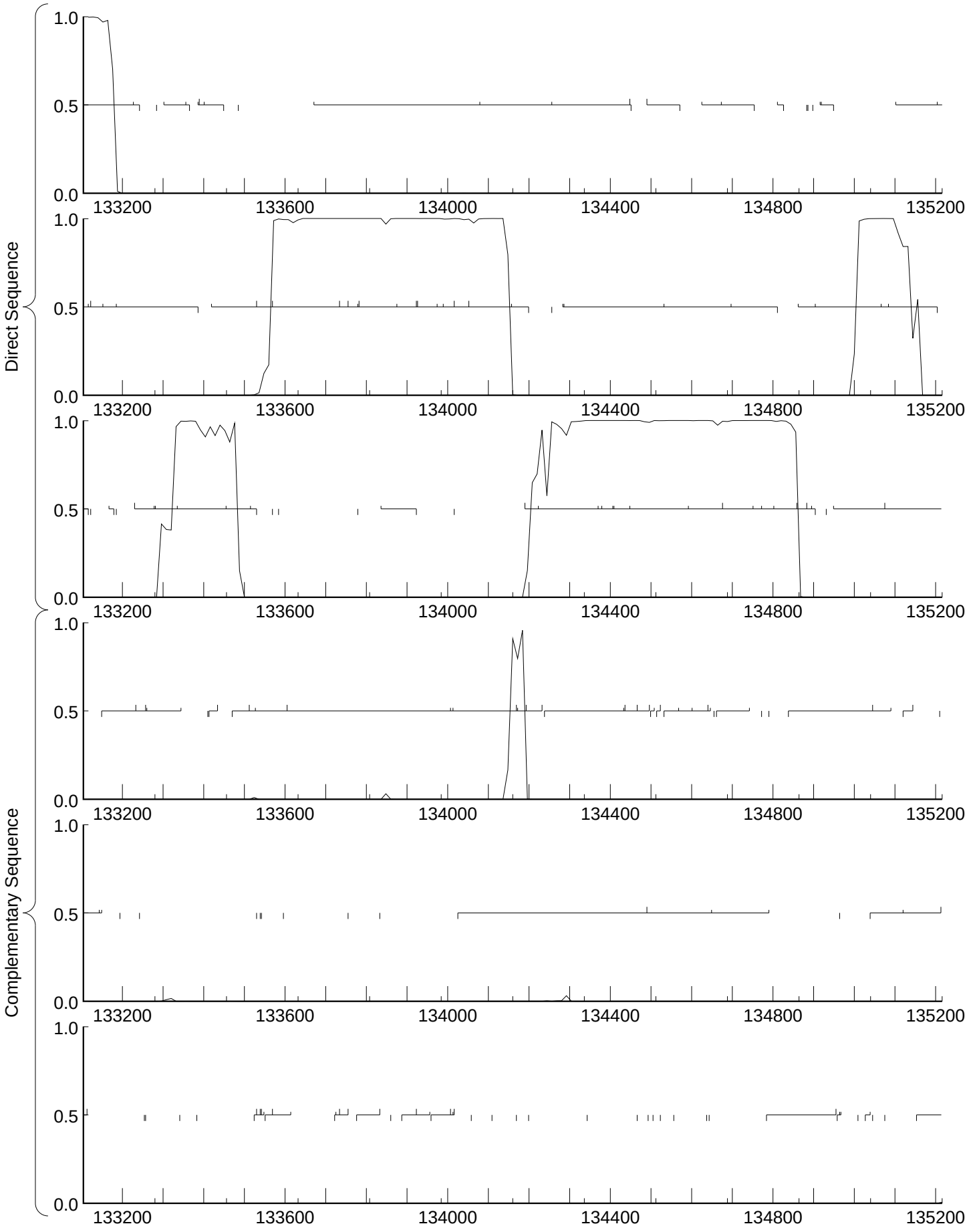


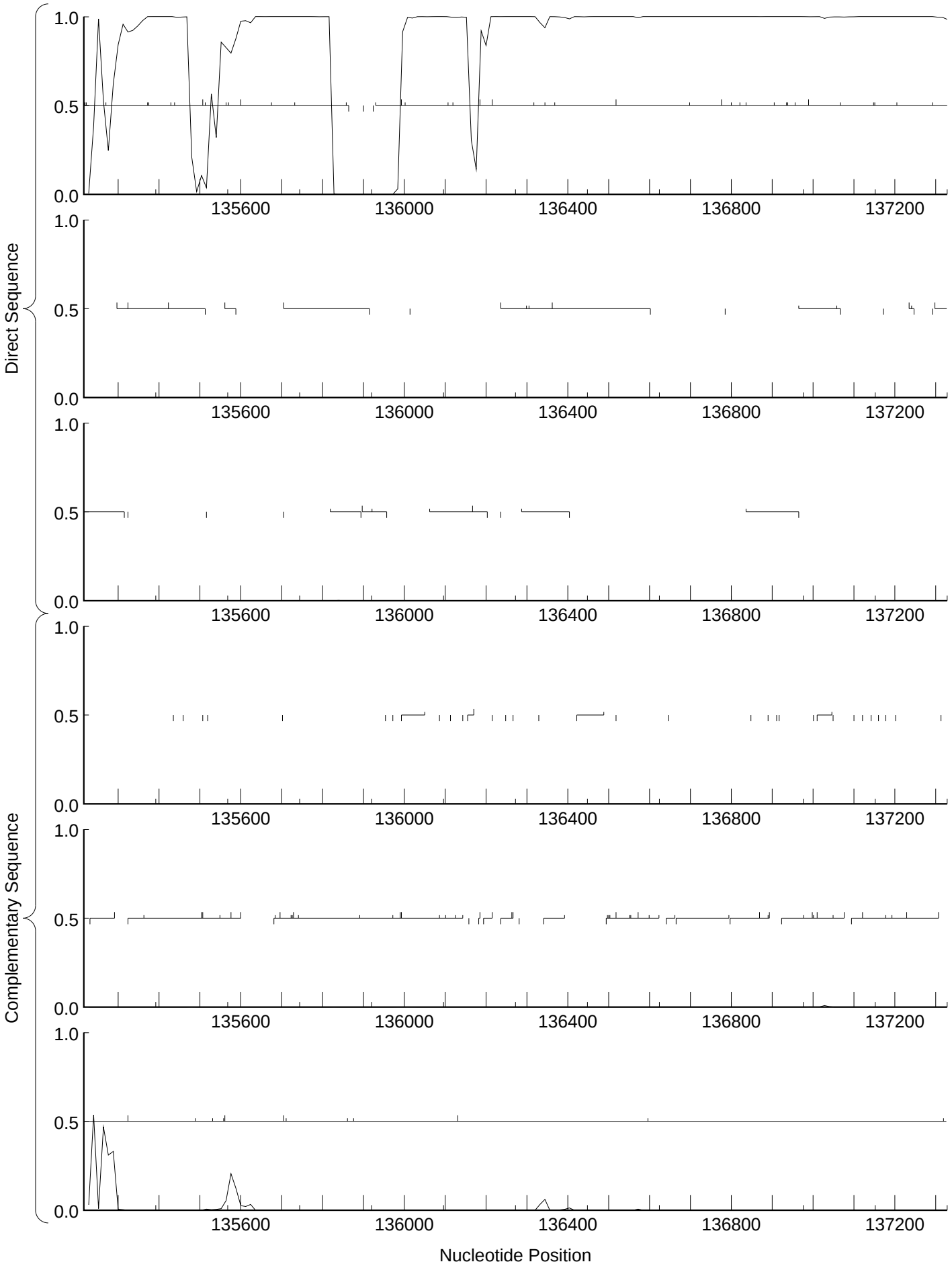

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
129200
129600
130000
130400
130800
Nucleotide Position

bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 64/75

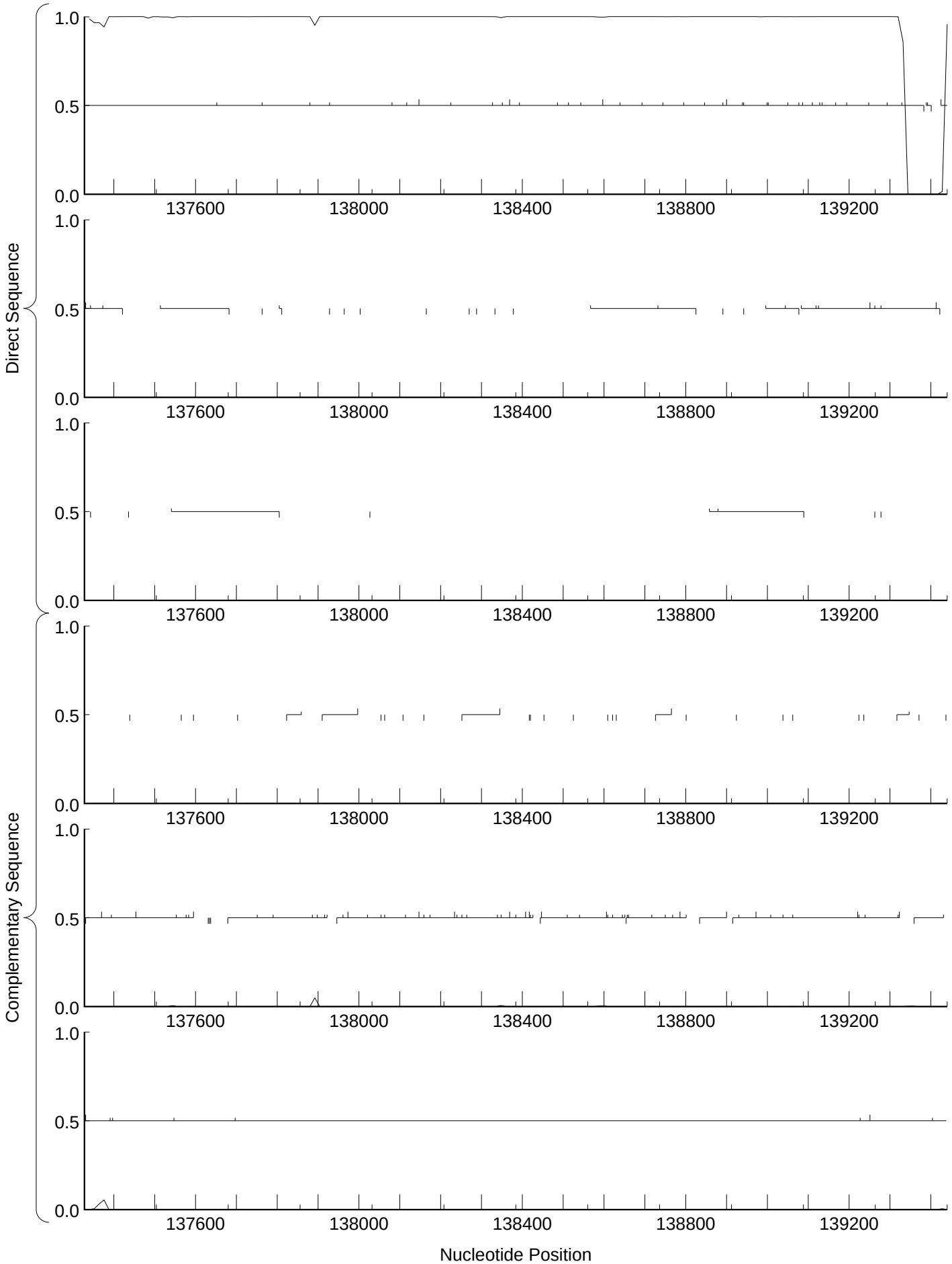


bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 65/75

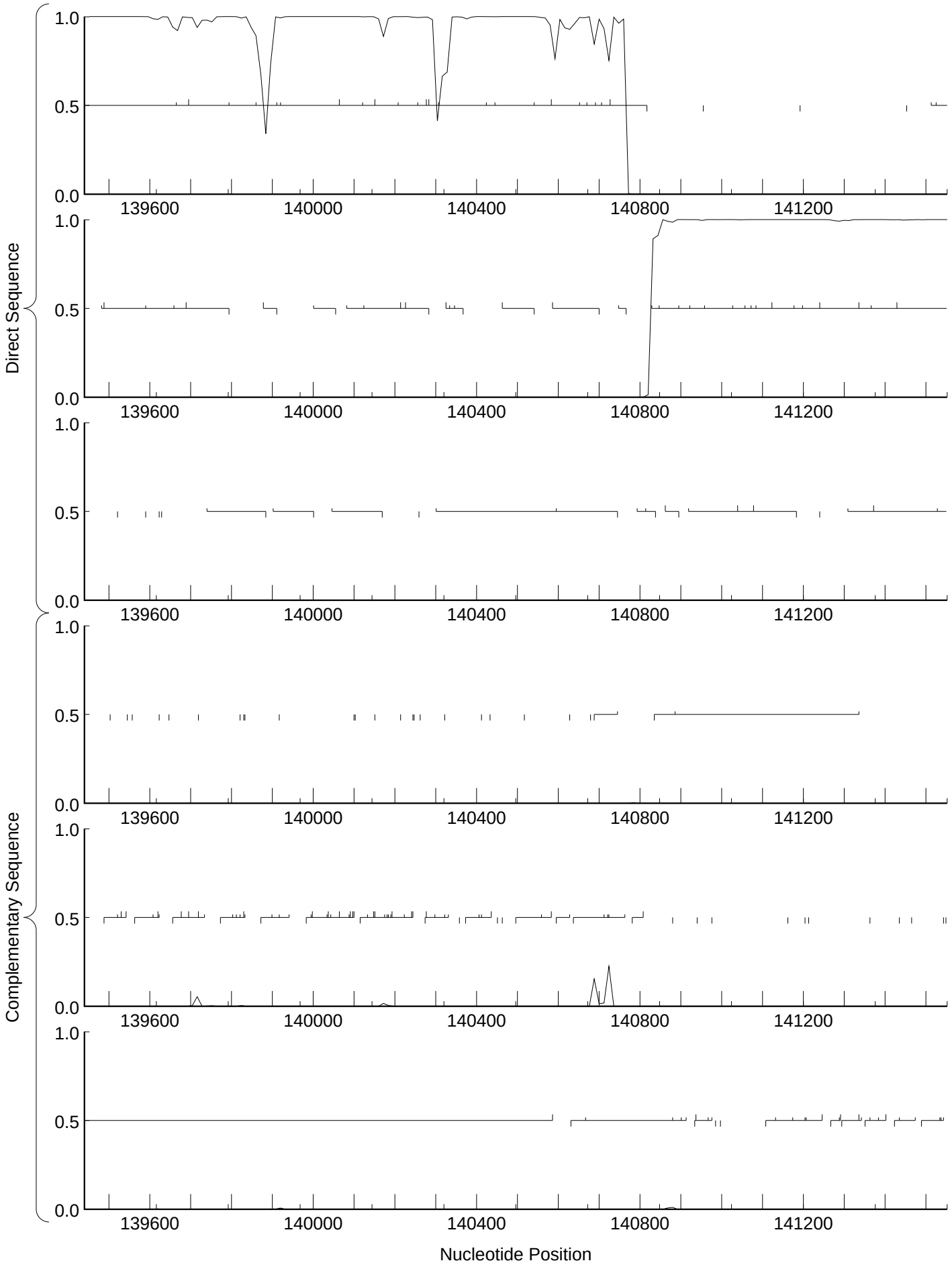



Direct Sequence
Complementary Sequence
1.0
0.5
0.0
135600
136000
136400
136800
137200
Nucleotide Position

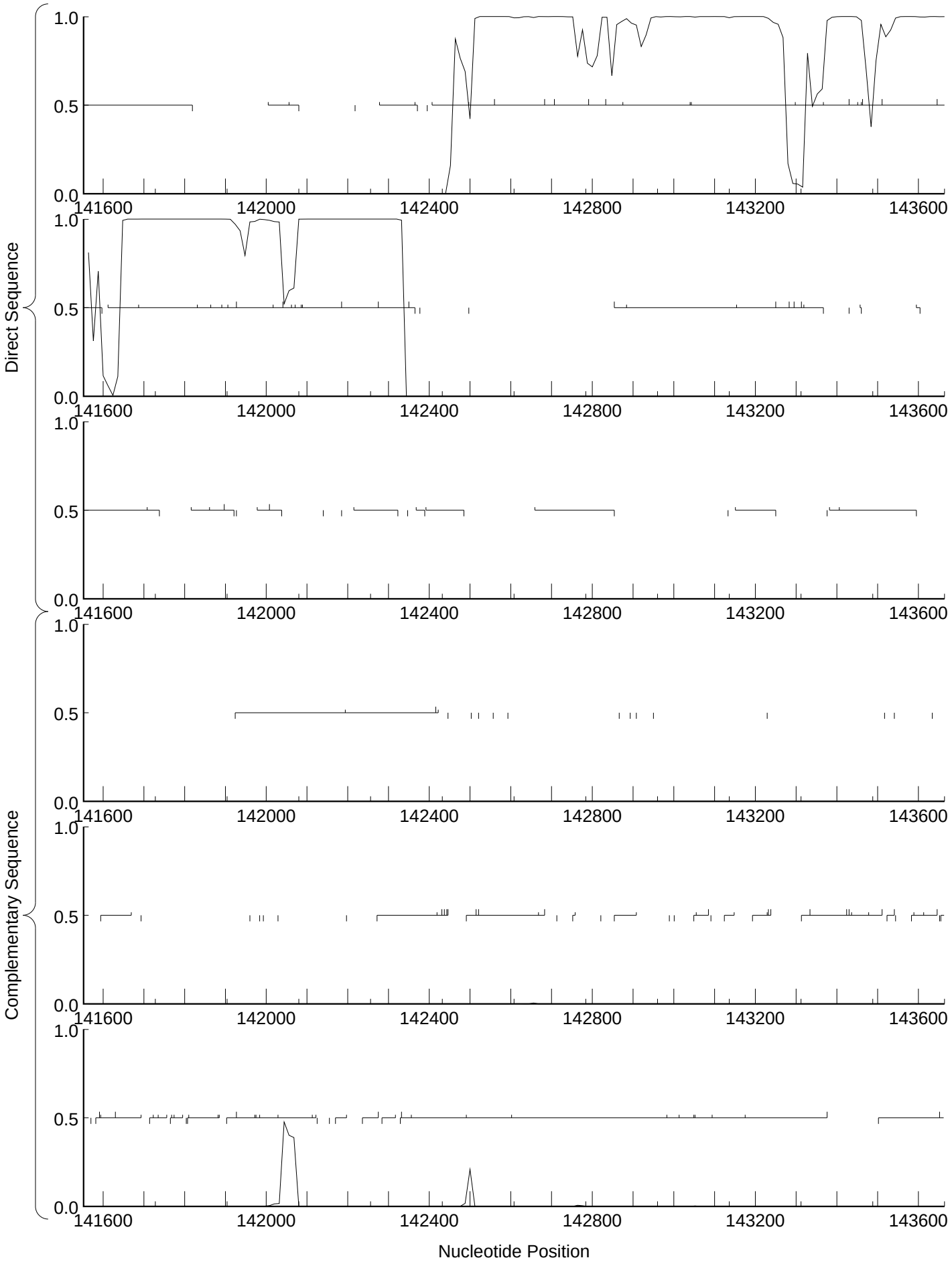
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 67/75



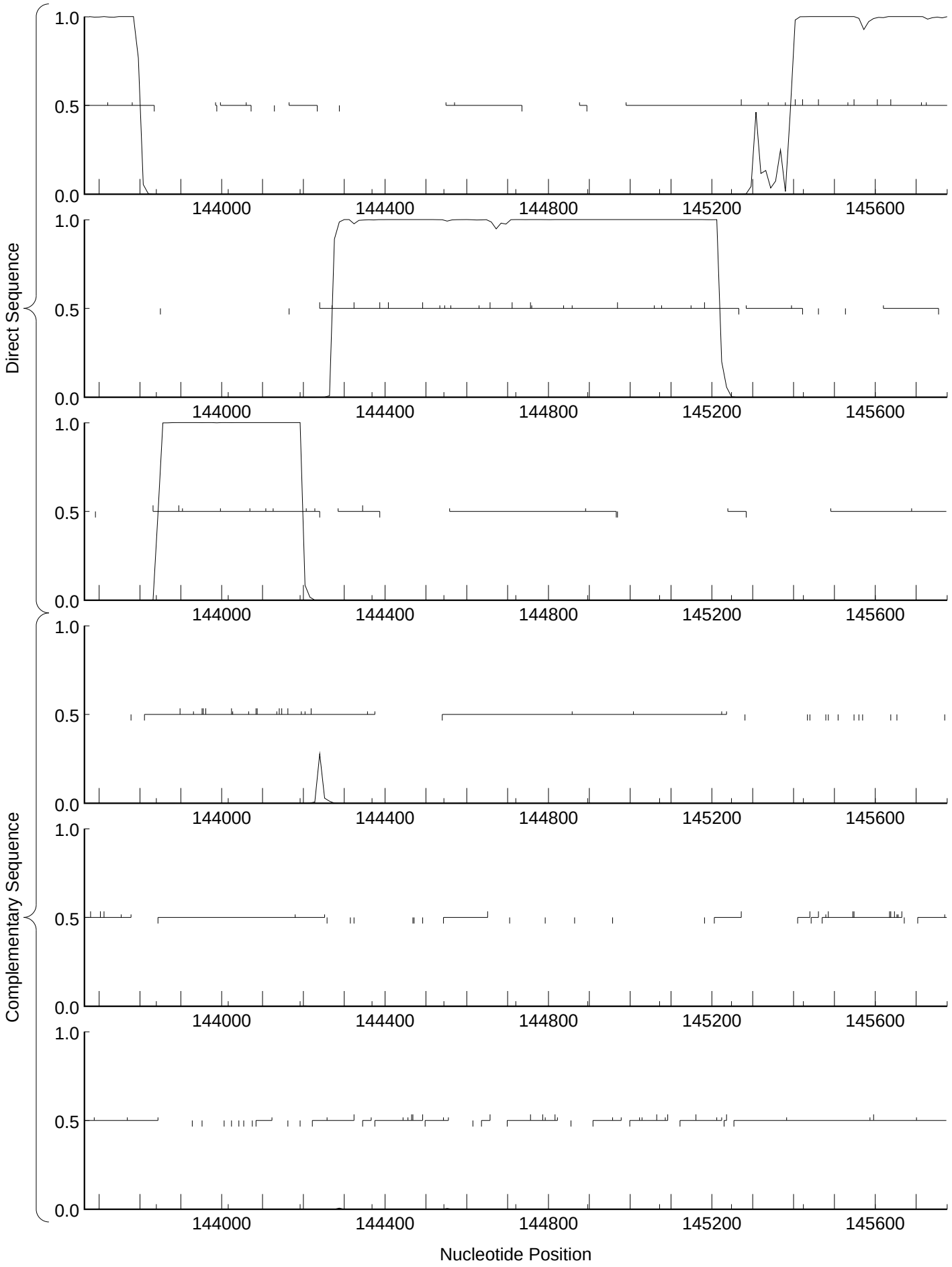
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 68/75



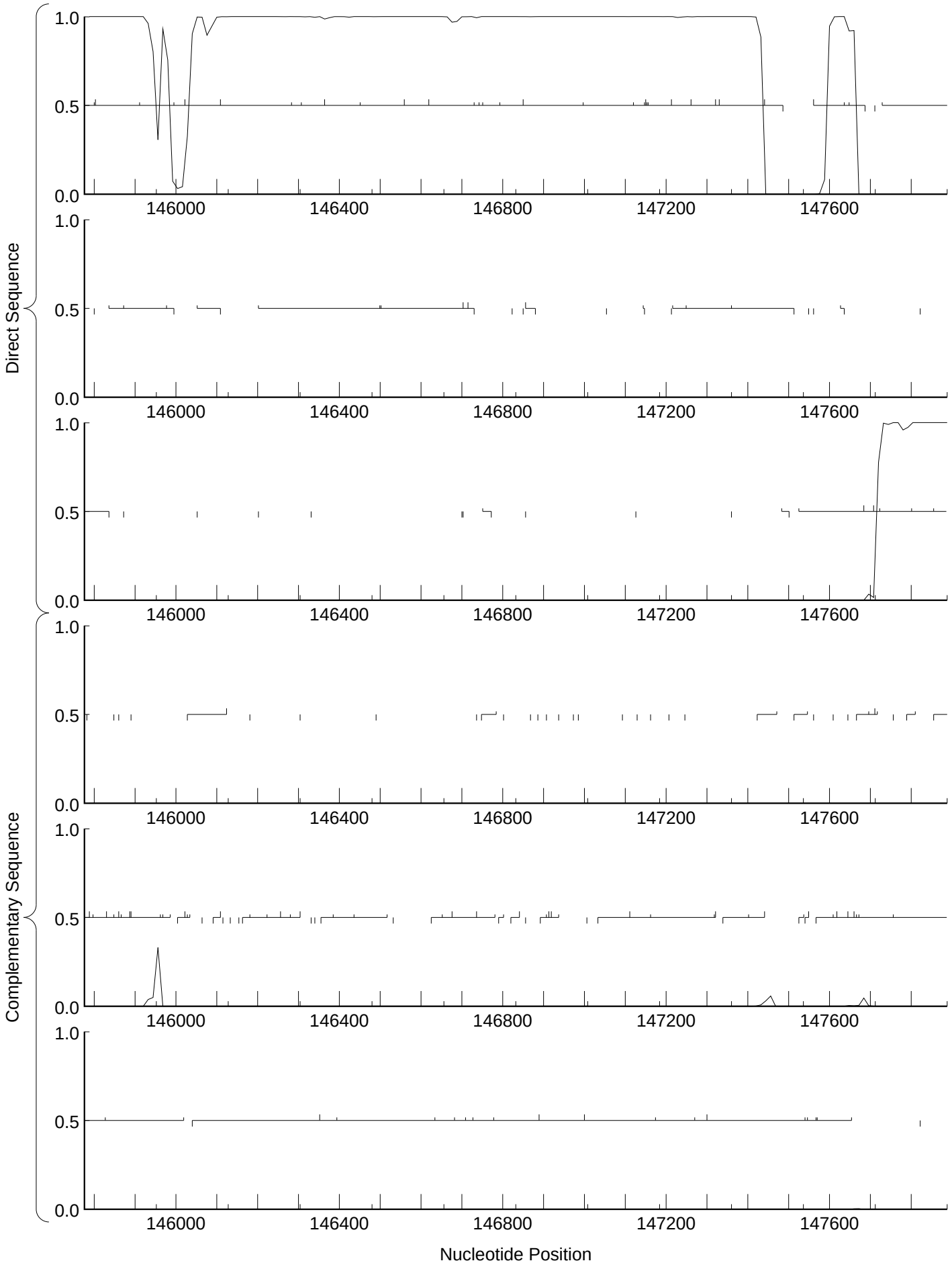
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 69/75



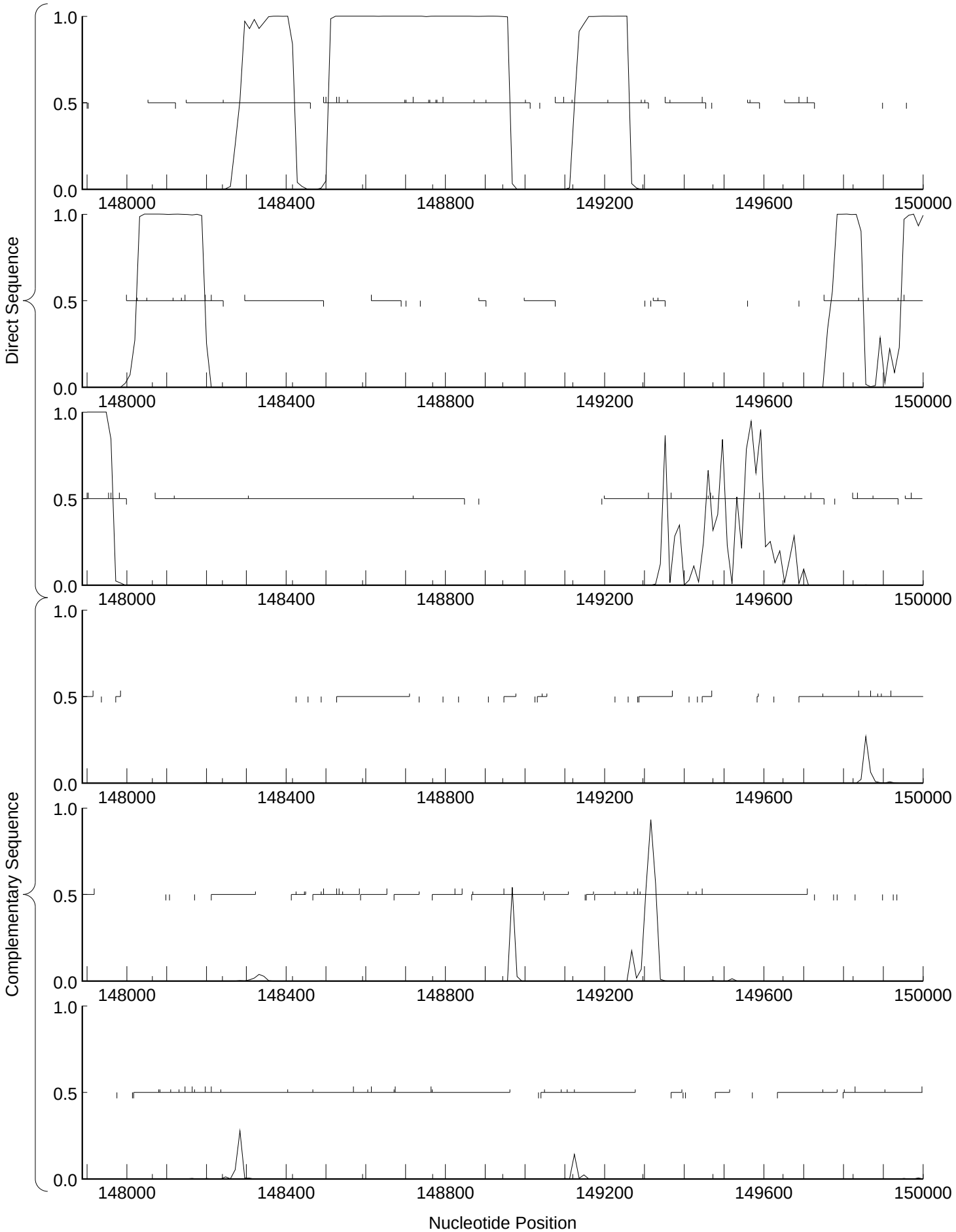
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 70/75



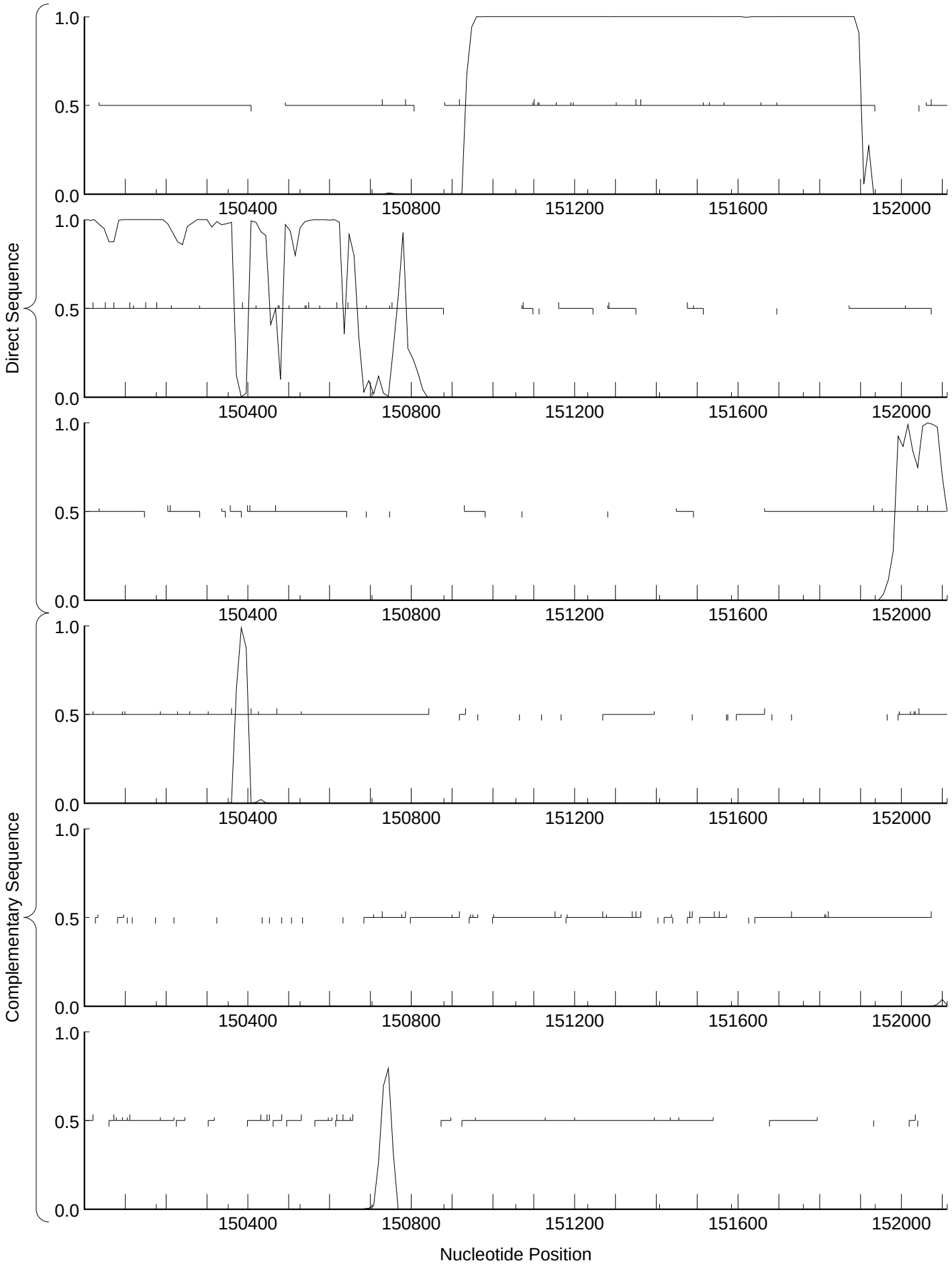
bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 71/75

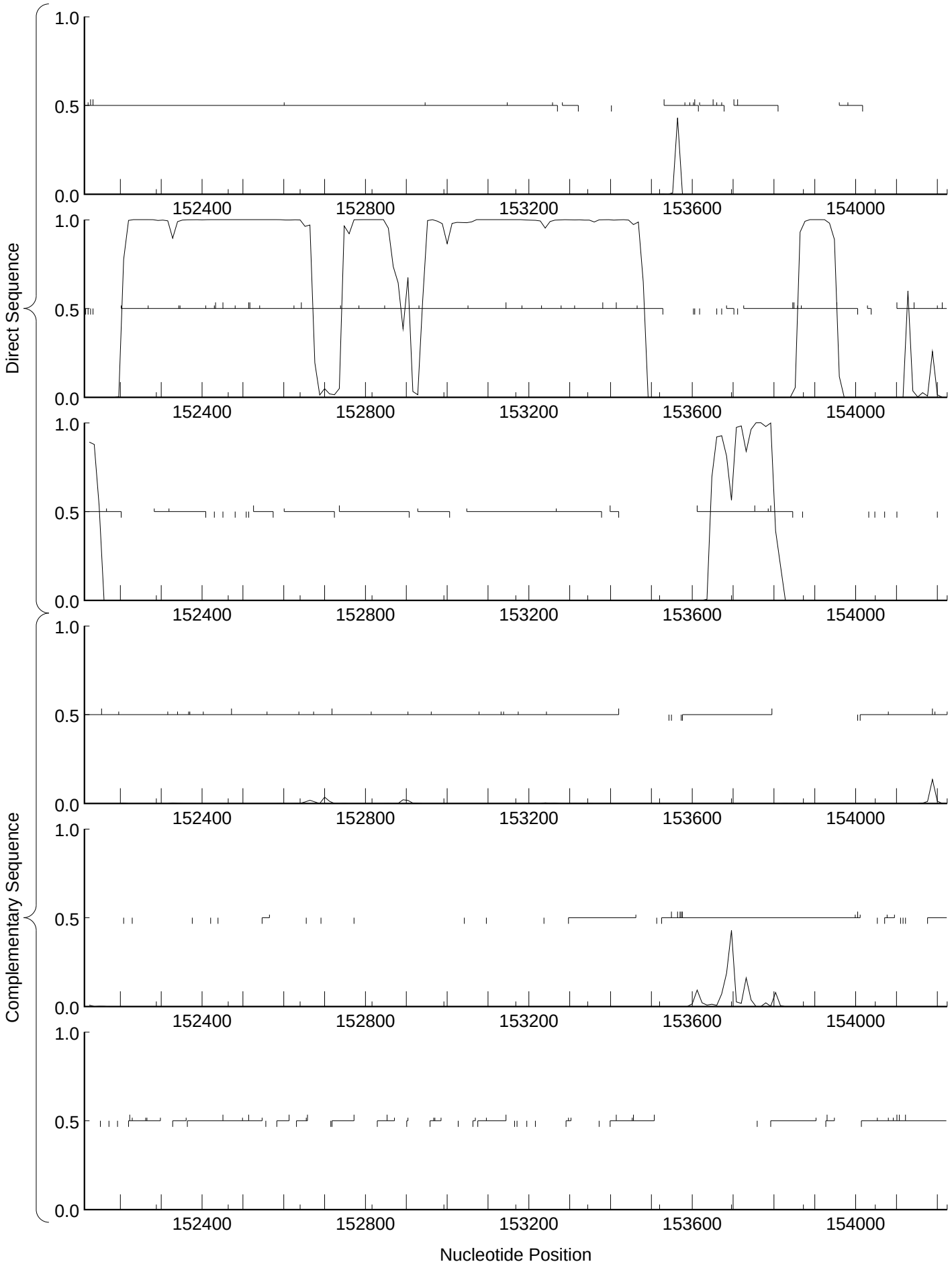


bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 72/75



bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 73/75




Direct Sequence
Complementary Sequence
1.0
0.5
0.0
152400
152800
153200
153600
154000
Nucleotide Position

bacterium phage McWolfish complete sequence, 154462 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 75/75

