GeneMark

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

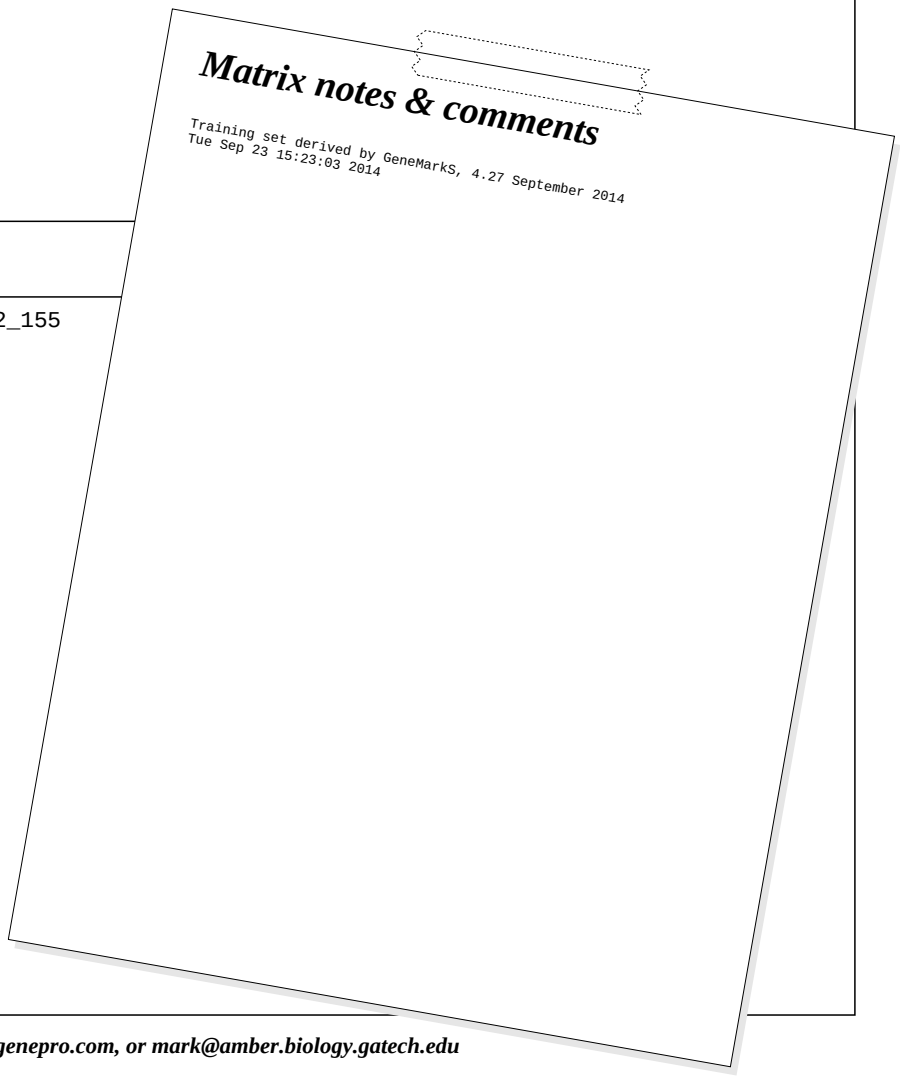
PROGRAM INFORMATION

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Sequence         :  Mycobacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1
Analysis Date    :  3/29/24 at 7:35:28
Pages            :  76
Sequence Length  :  156908 bp
GC Content       :   64.68%

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,
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MATRIX INFORMATION

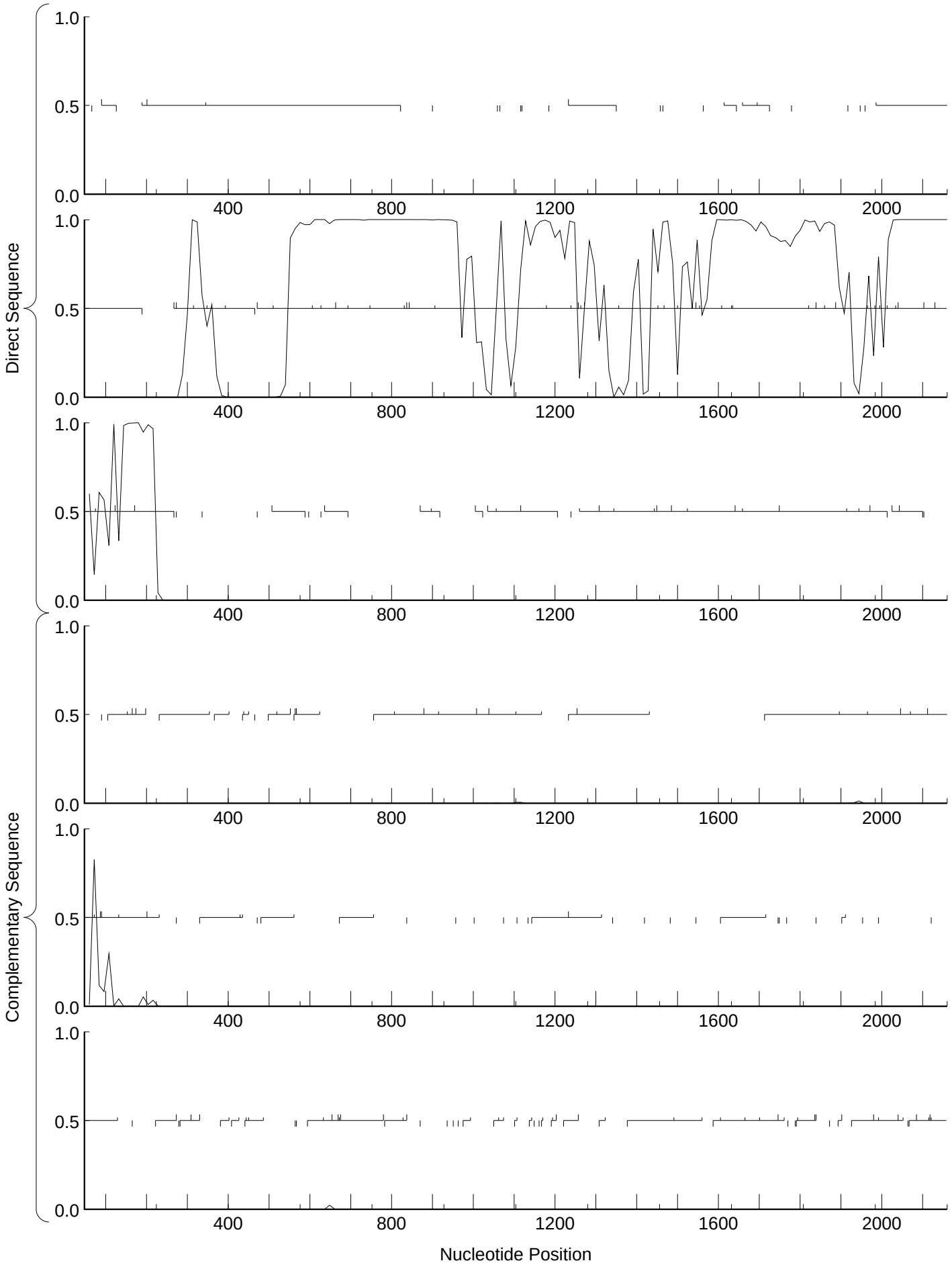
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Matrix     :  Mycobacterium_smegmatis_MC2_155
Author     :  -

Order      :  4
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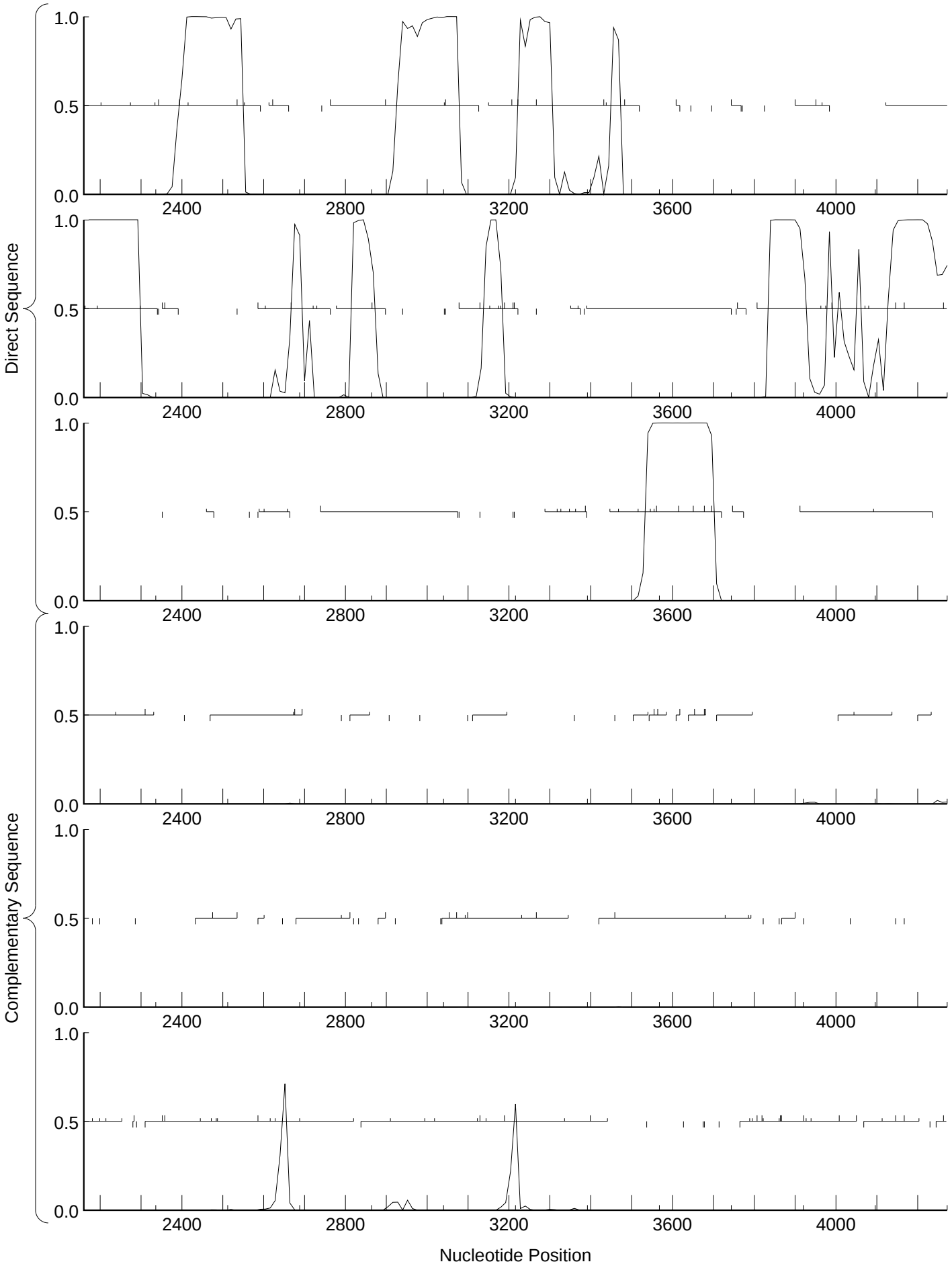

```
  Send questions / comments to:
      Dr. M. Borodovsky
      Georgia Institute of Technology
      School of Biology
      Atlanta, GA  30332-0230
```


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

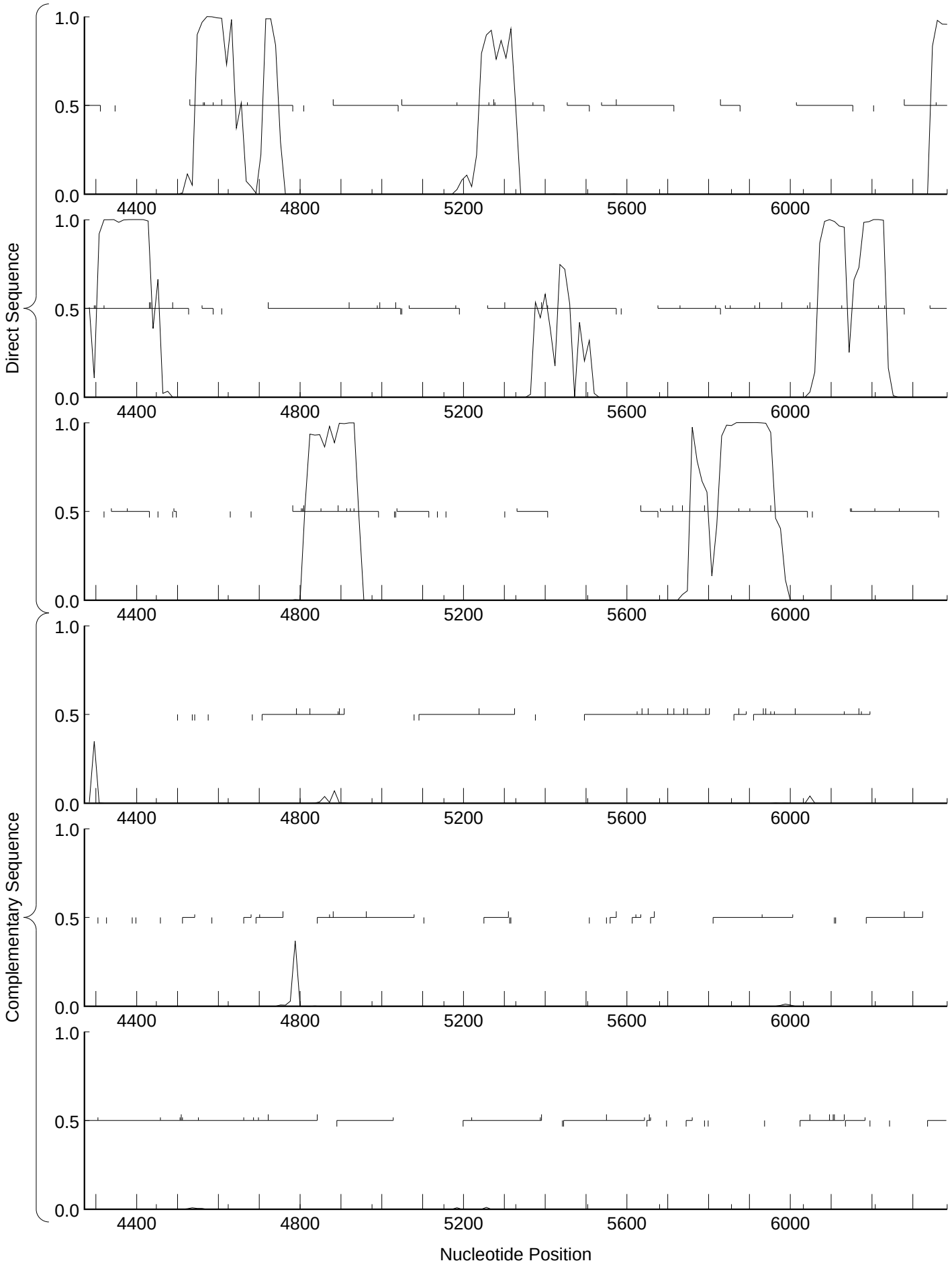
obacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 2/76



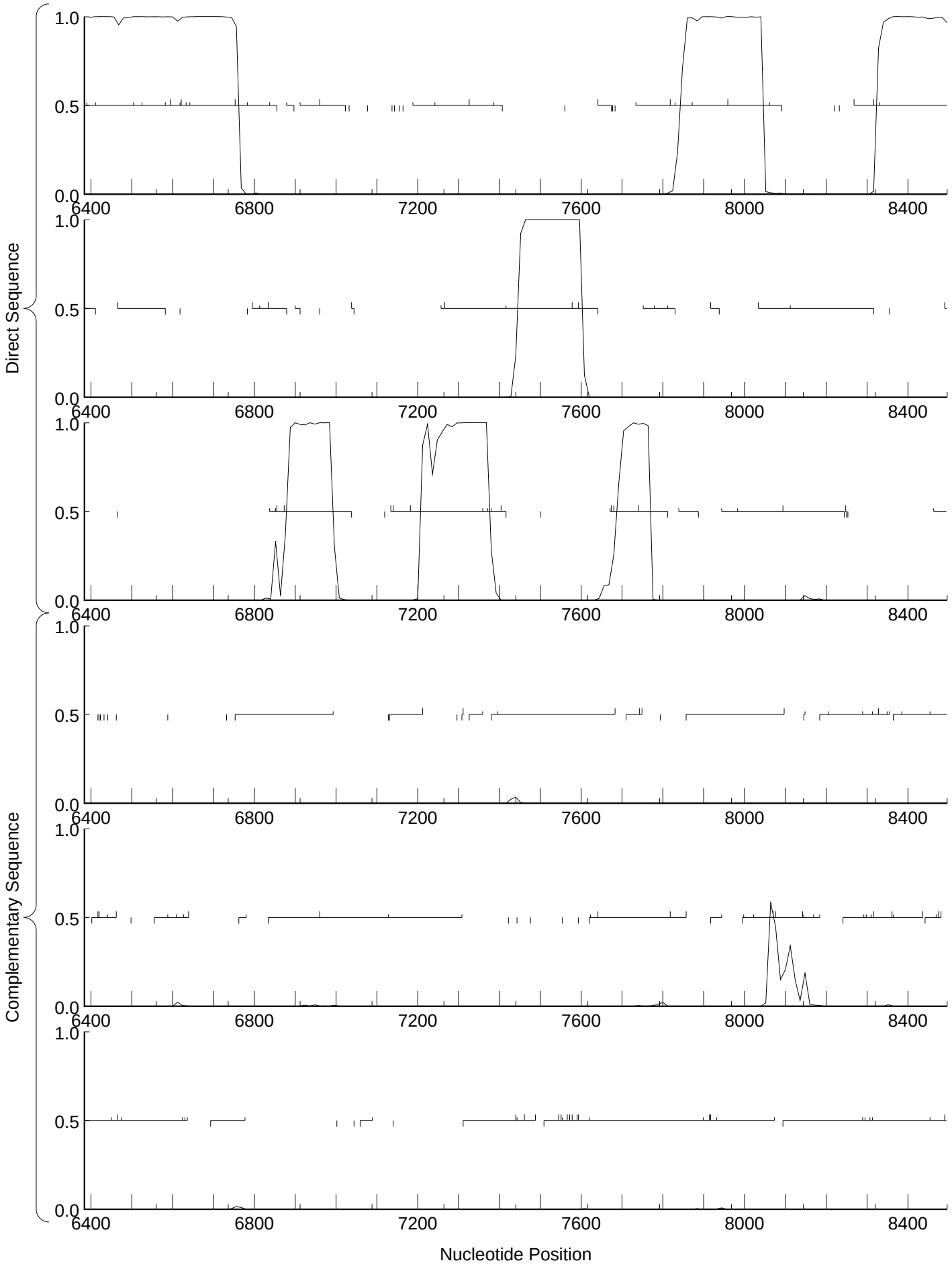
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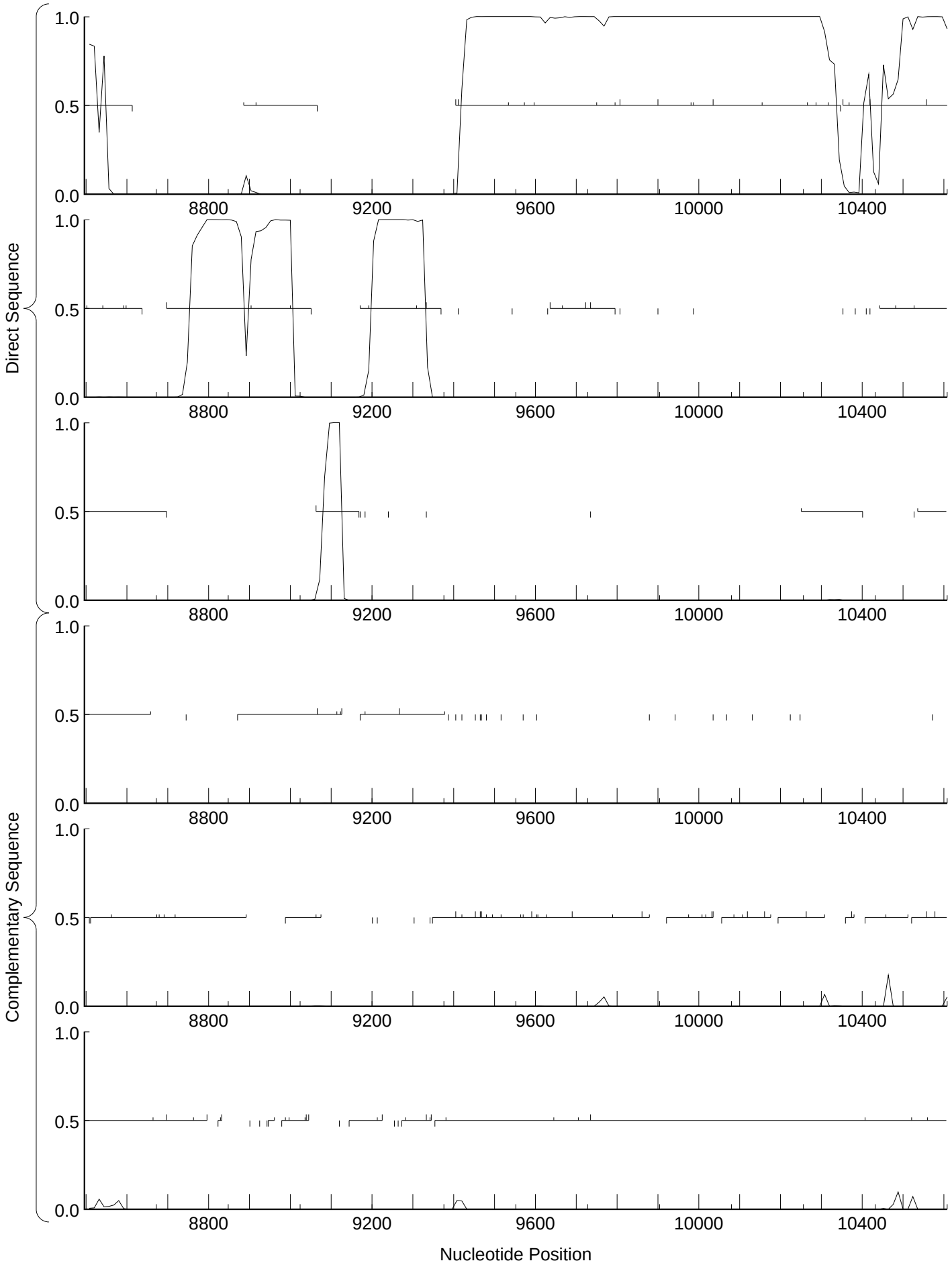
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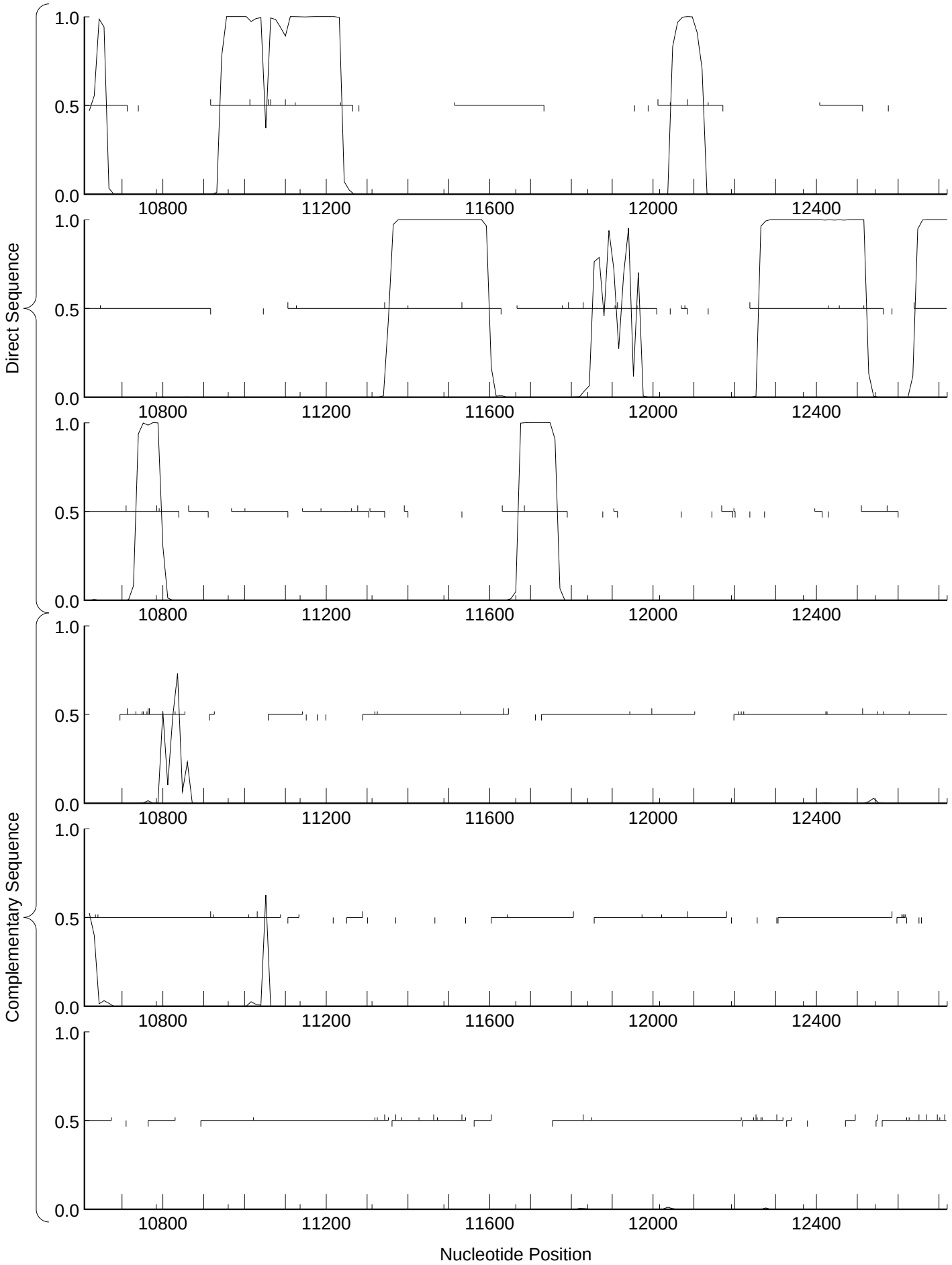
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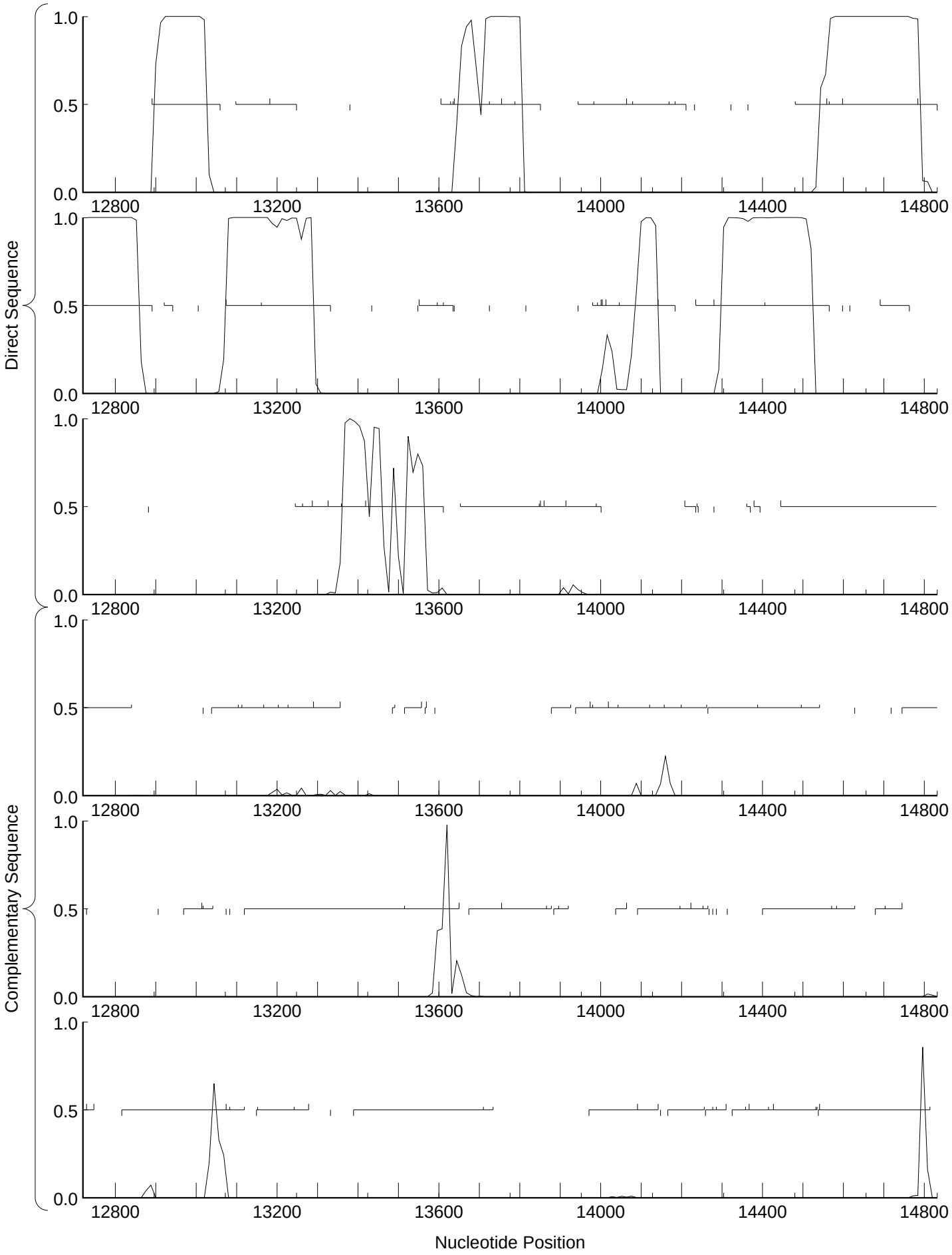
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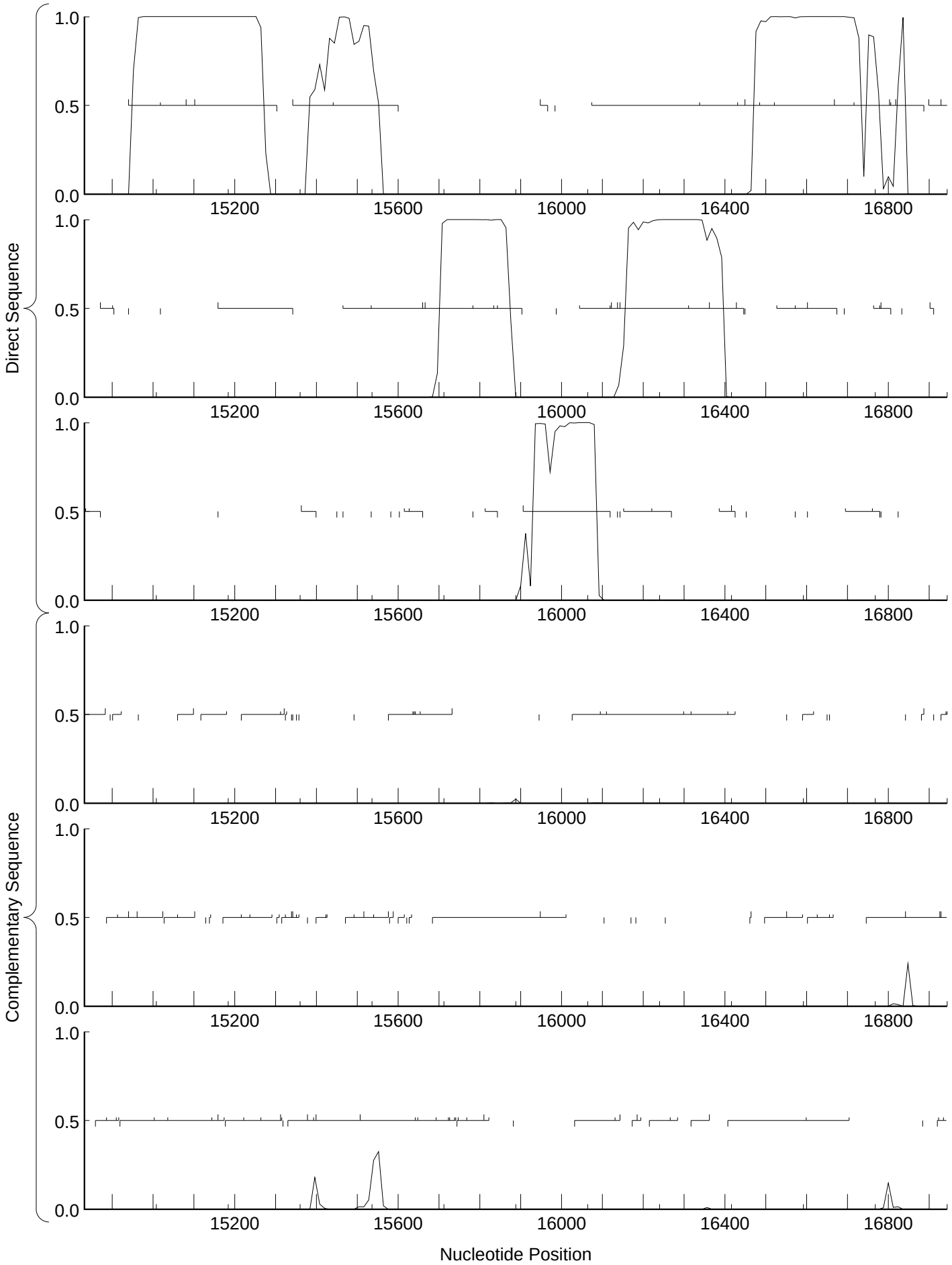
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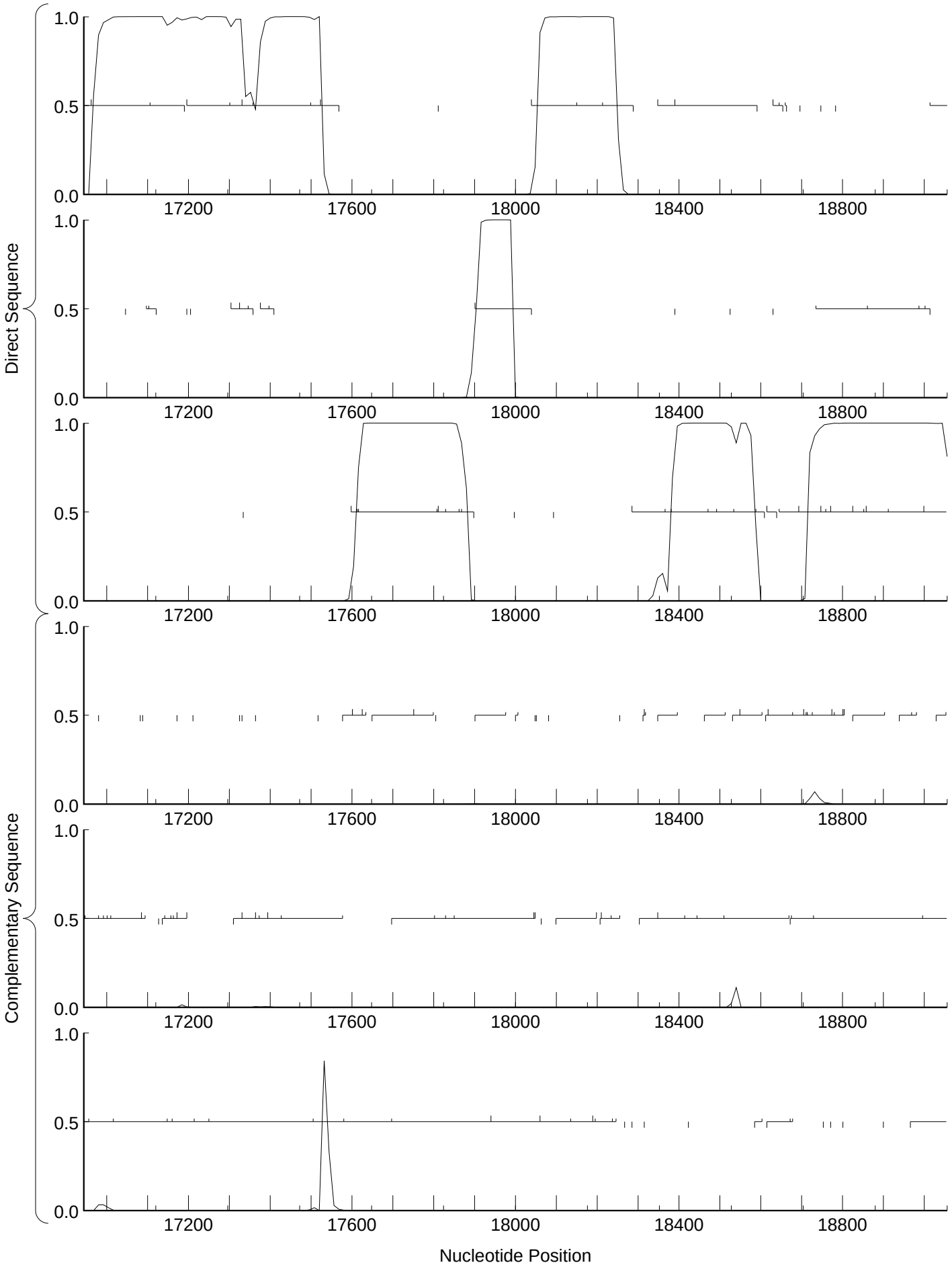


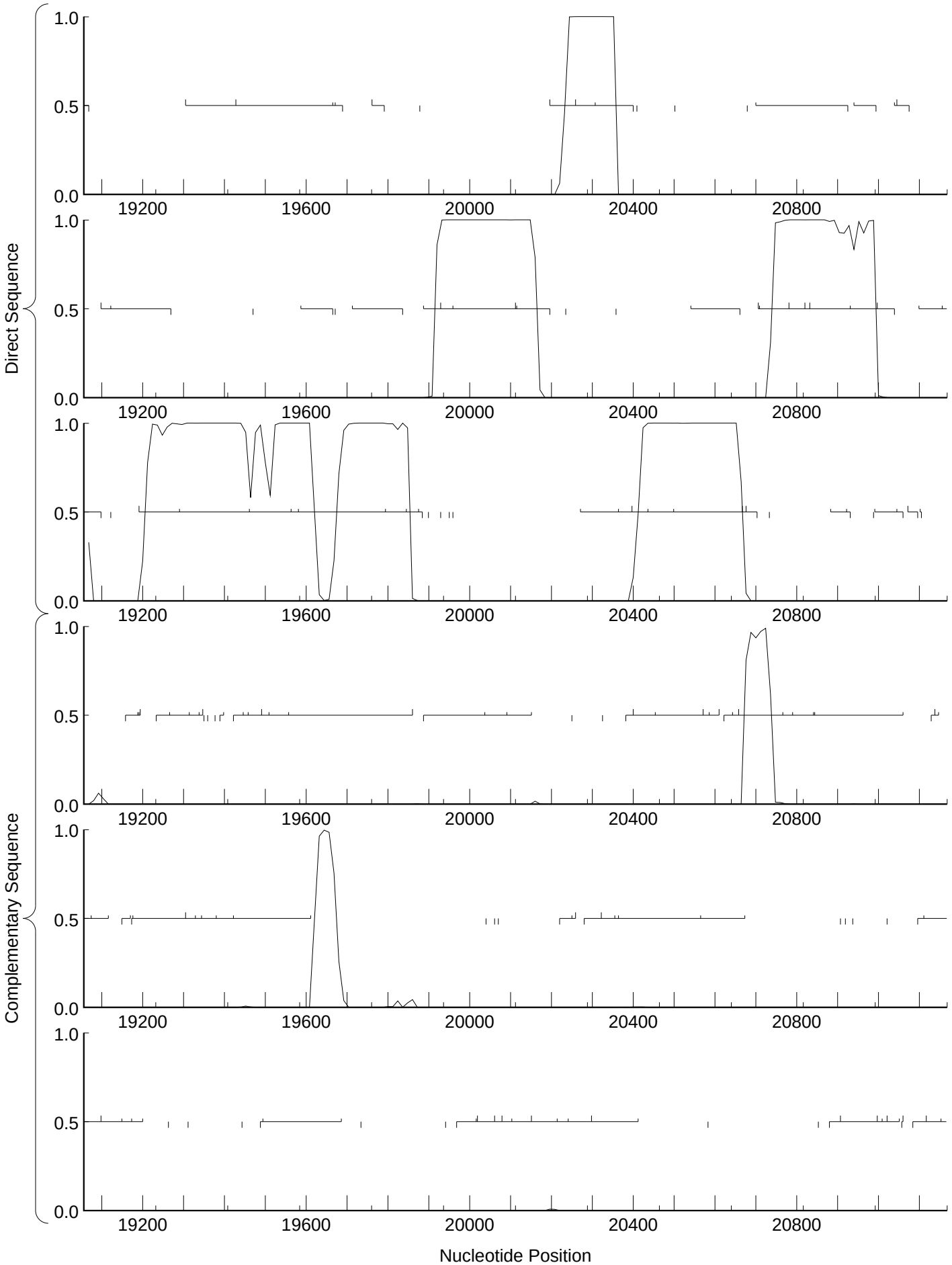
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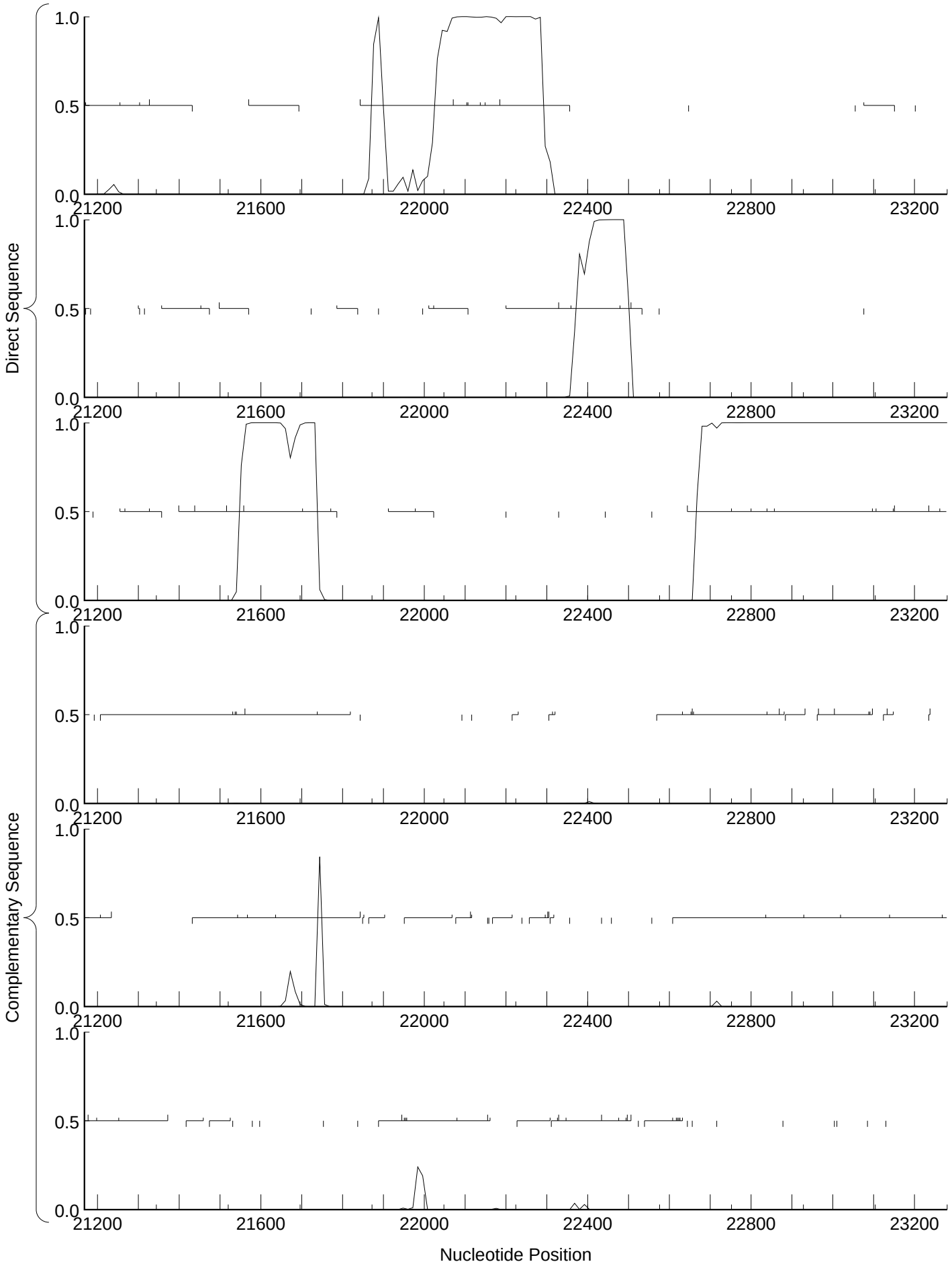


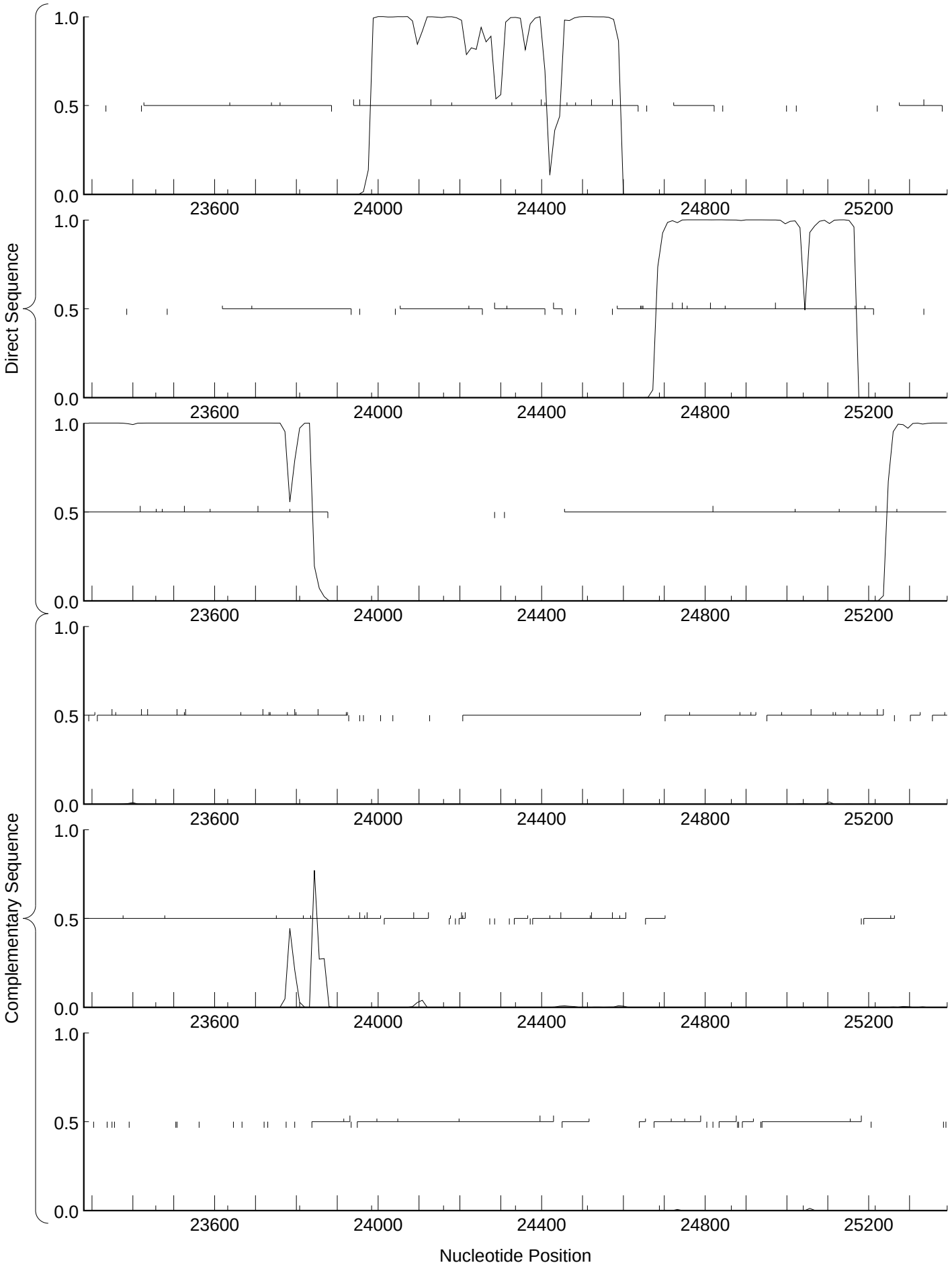
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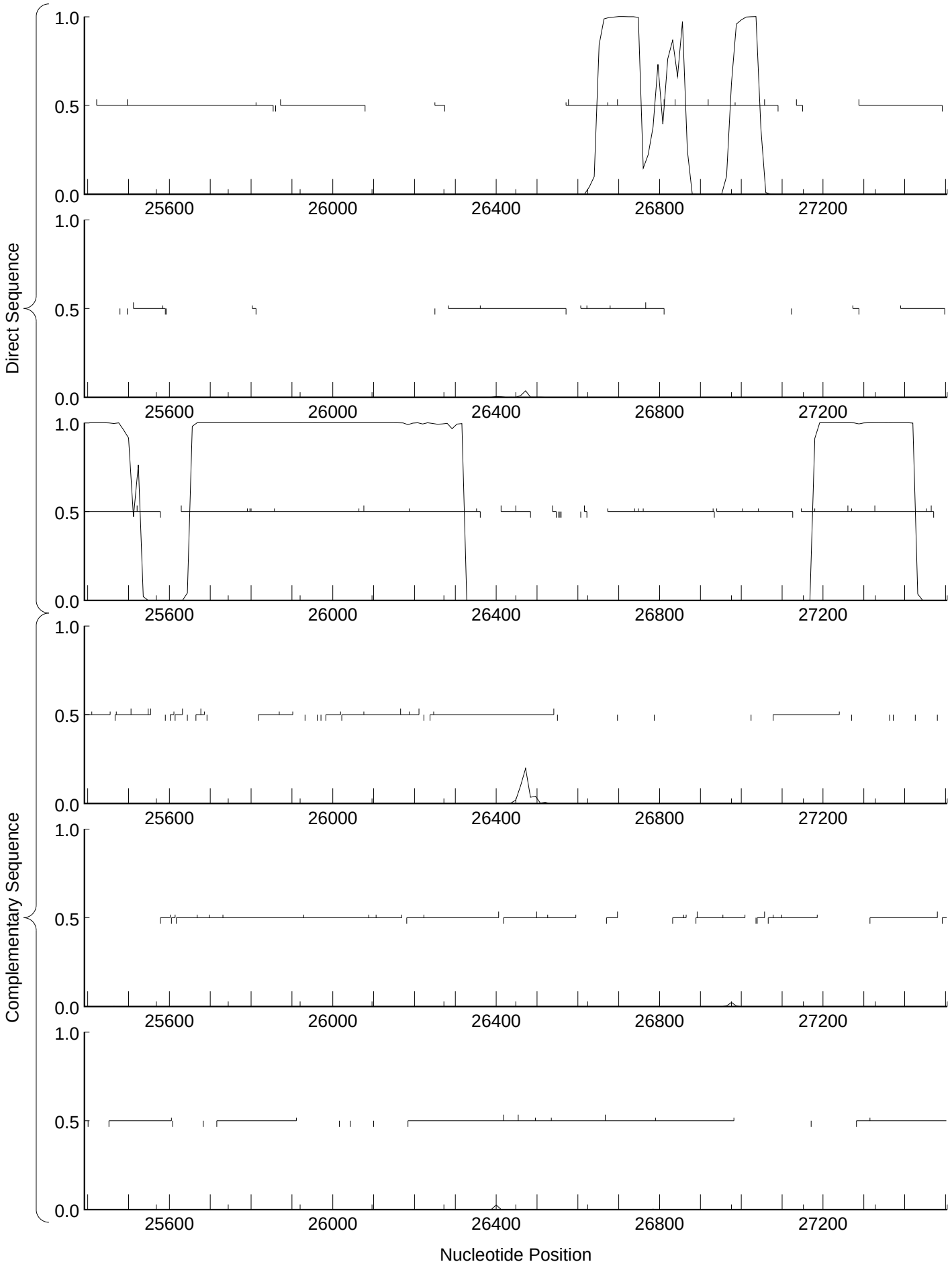



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Nucleotide Position

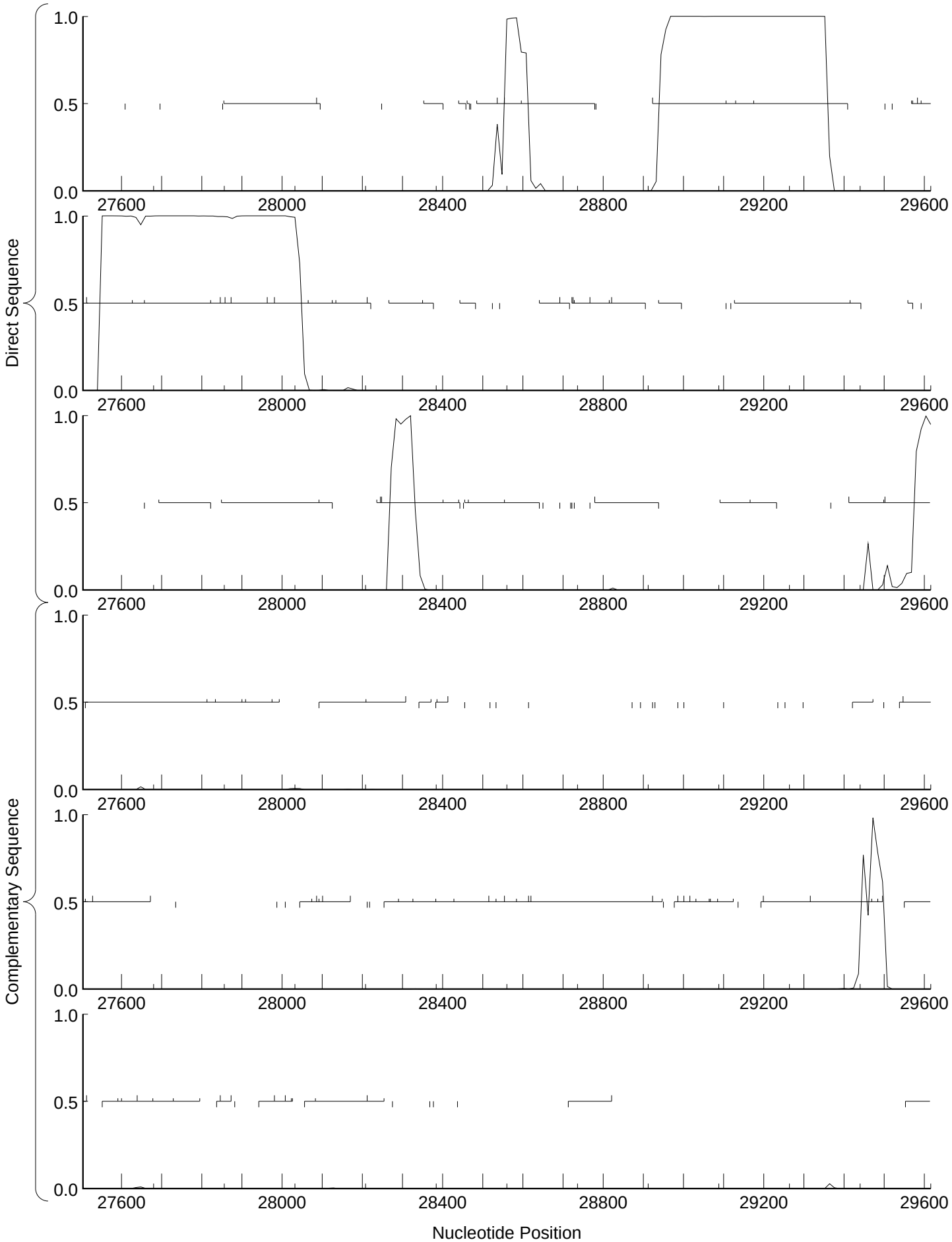

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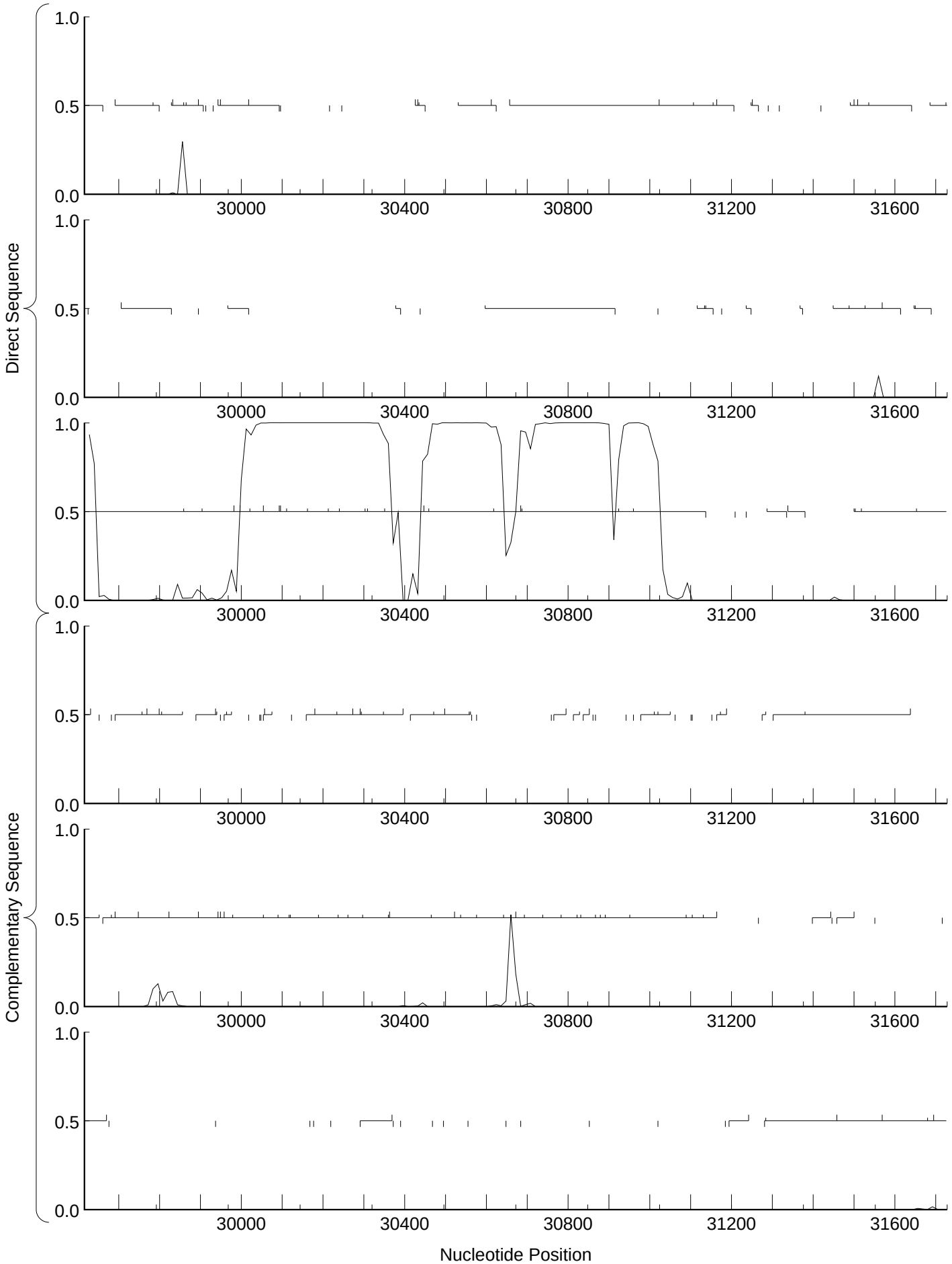

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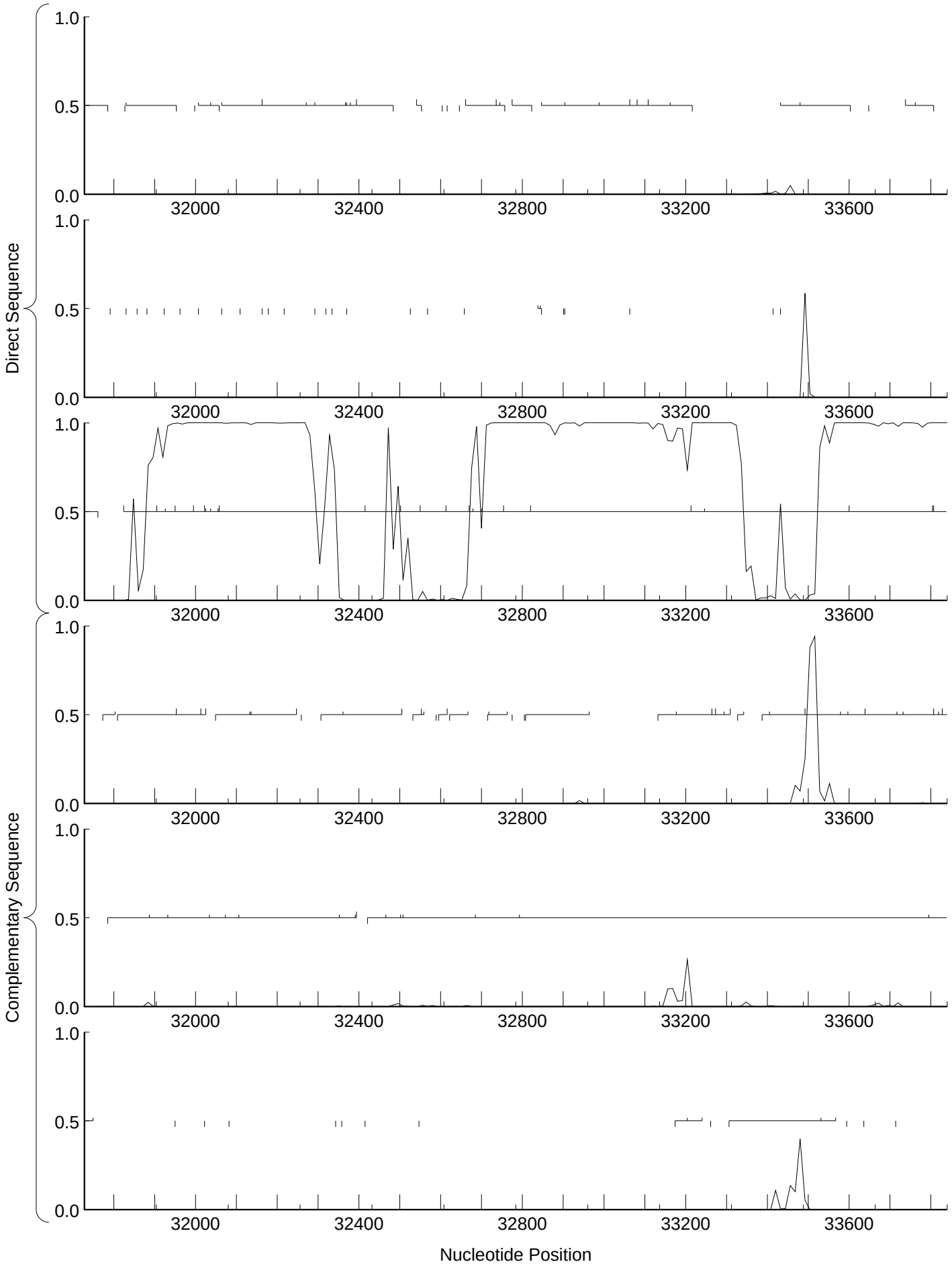

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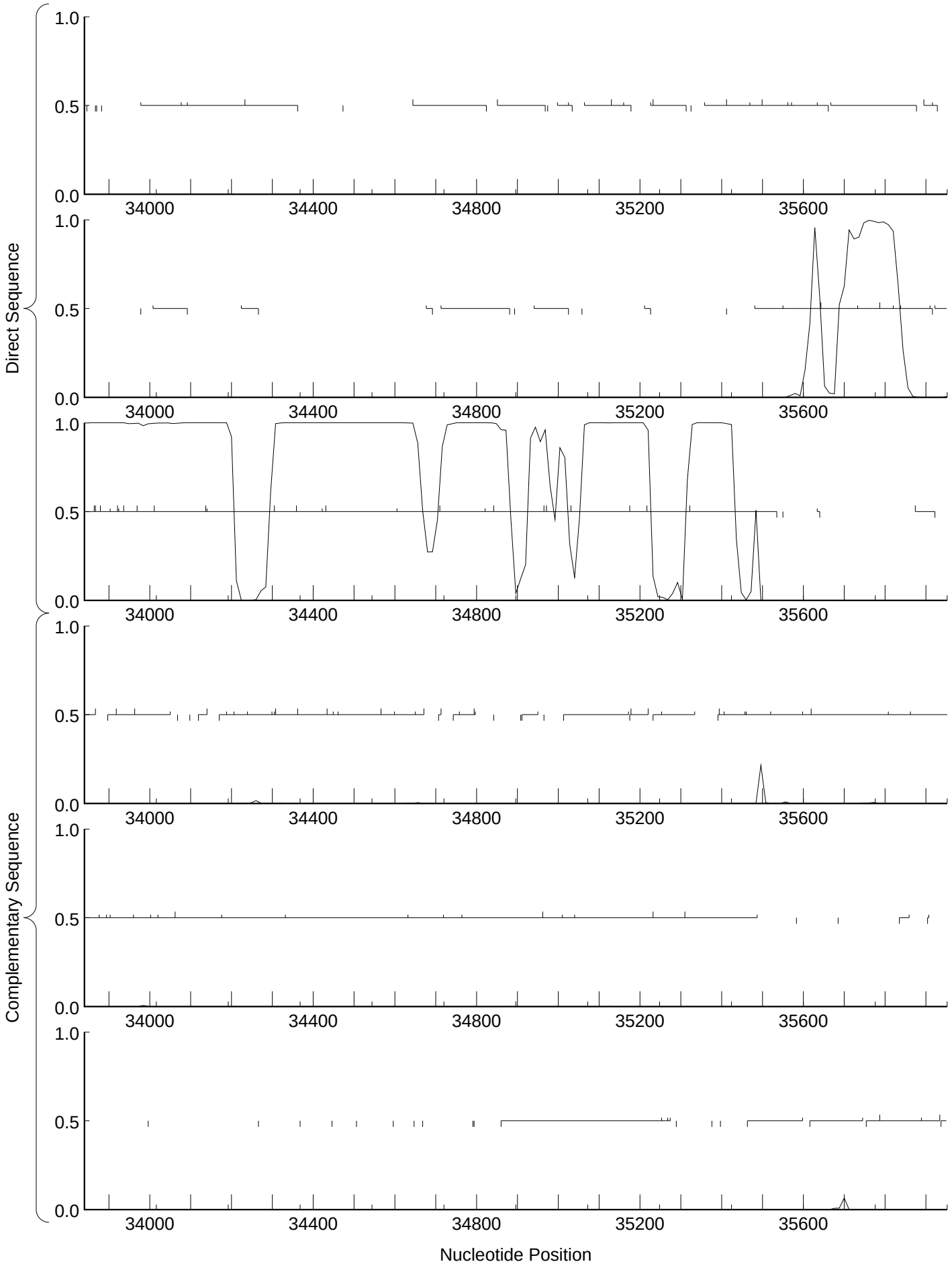
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 15/76

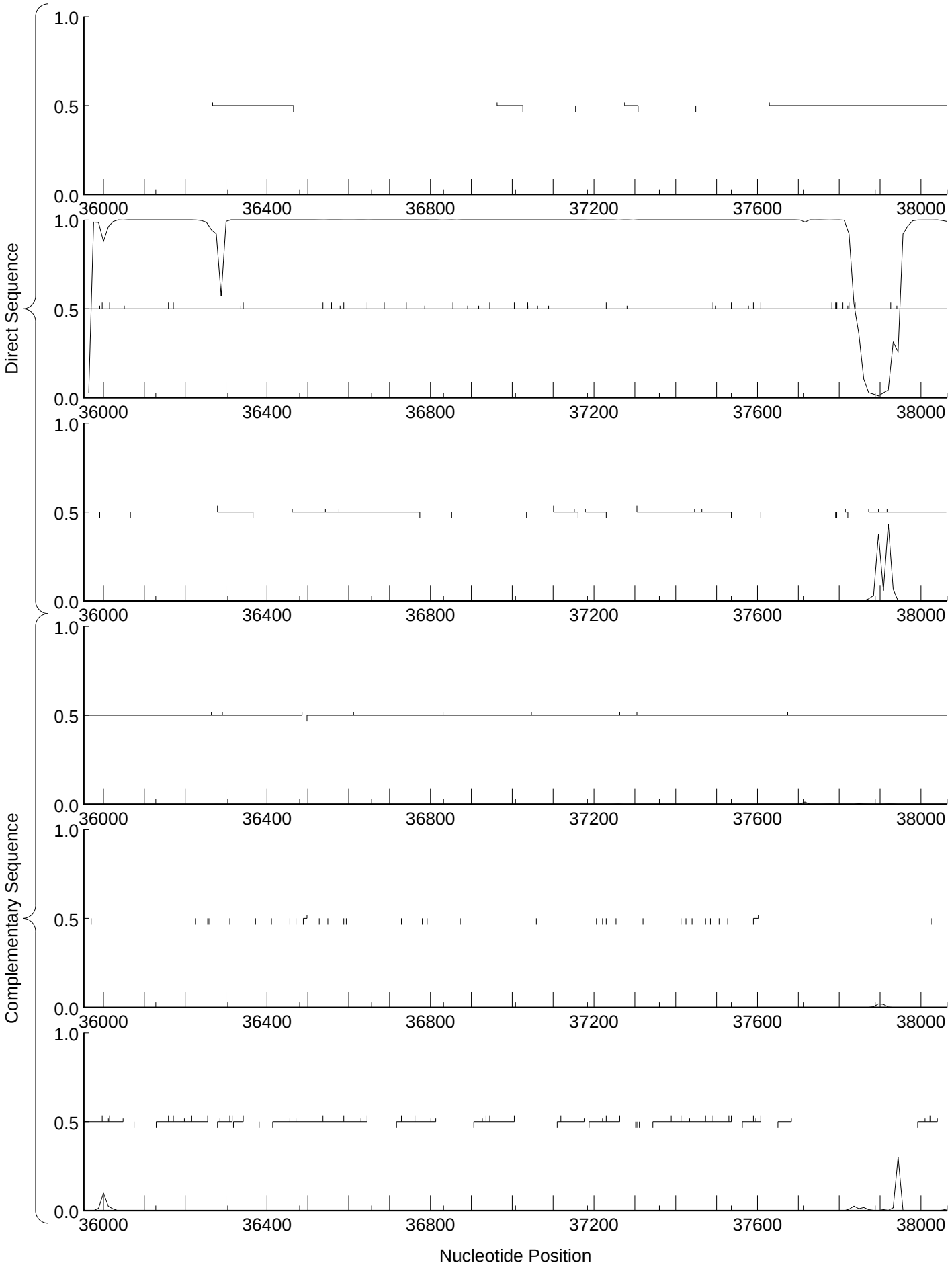


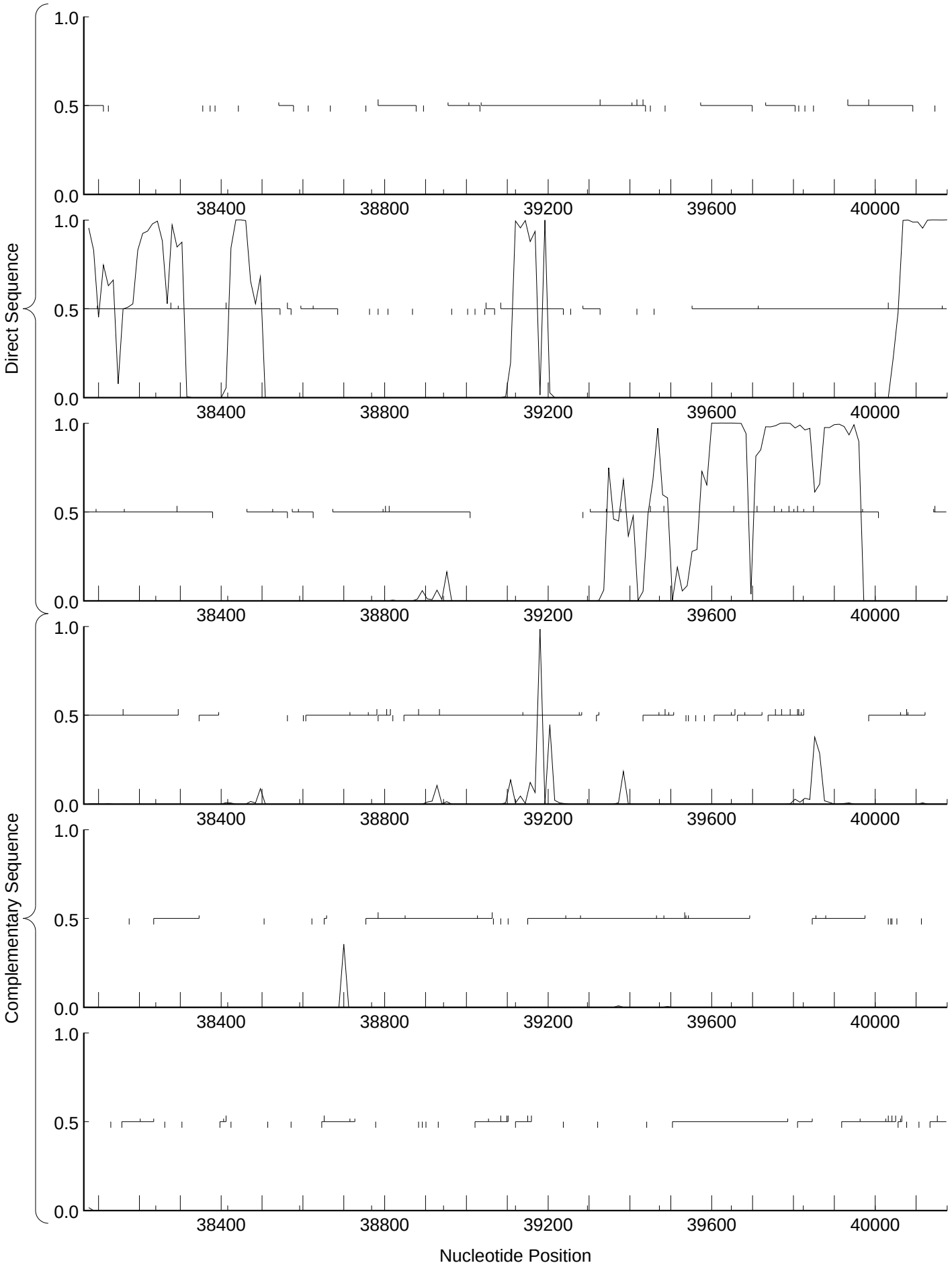

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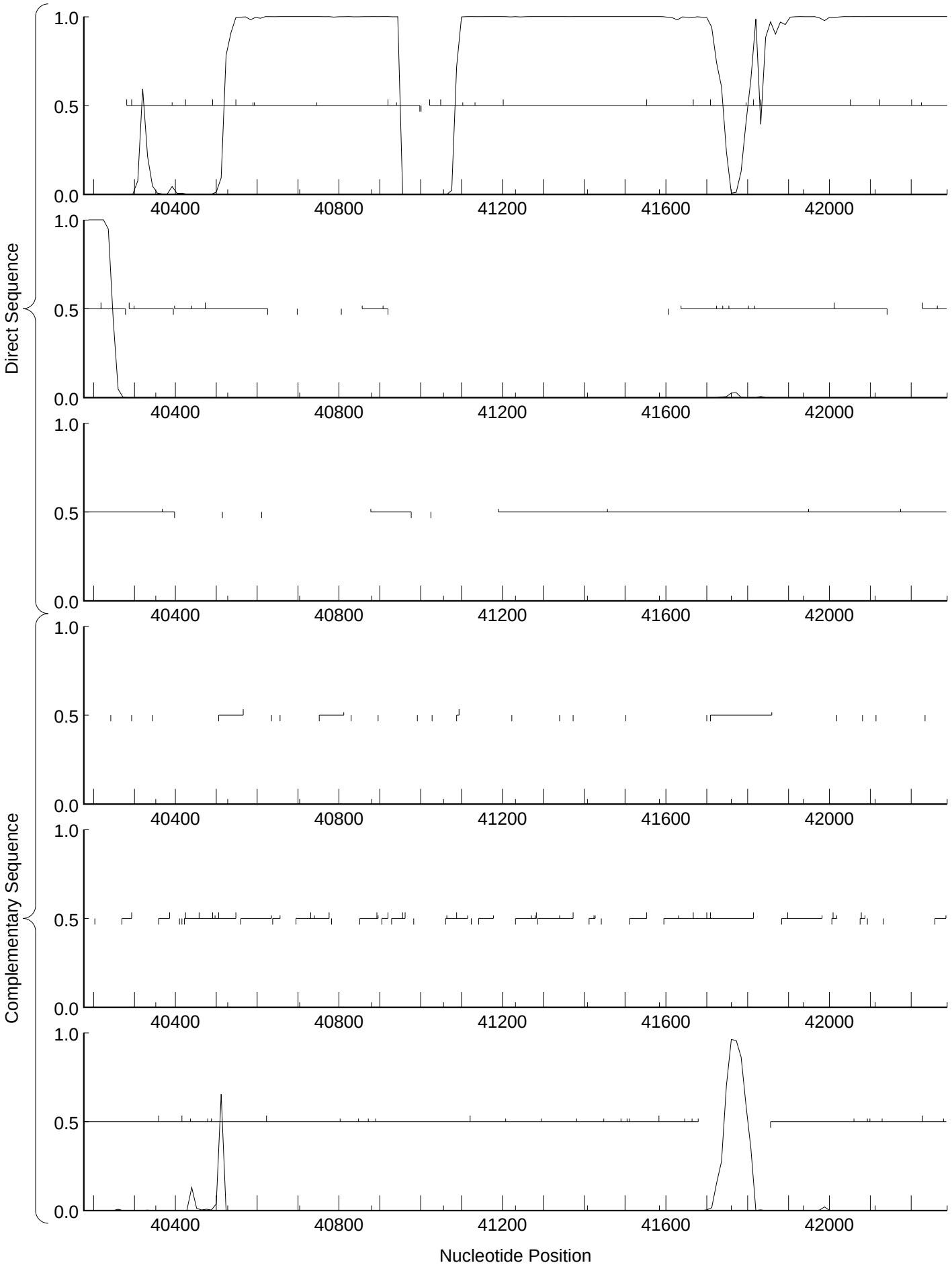
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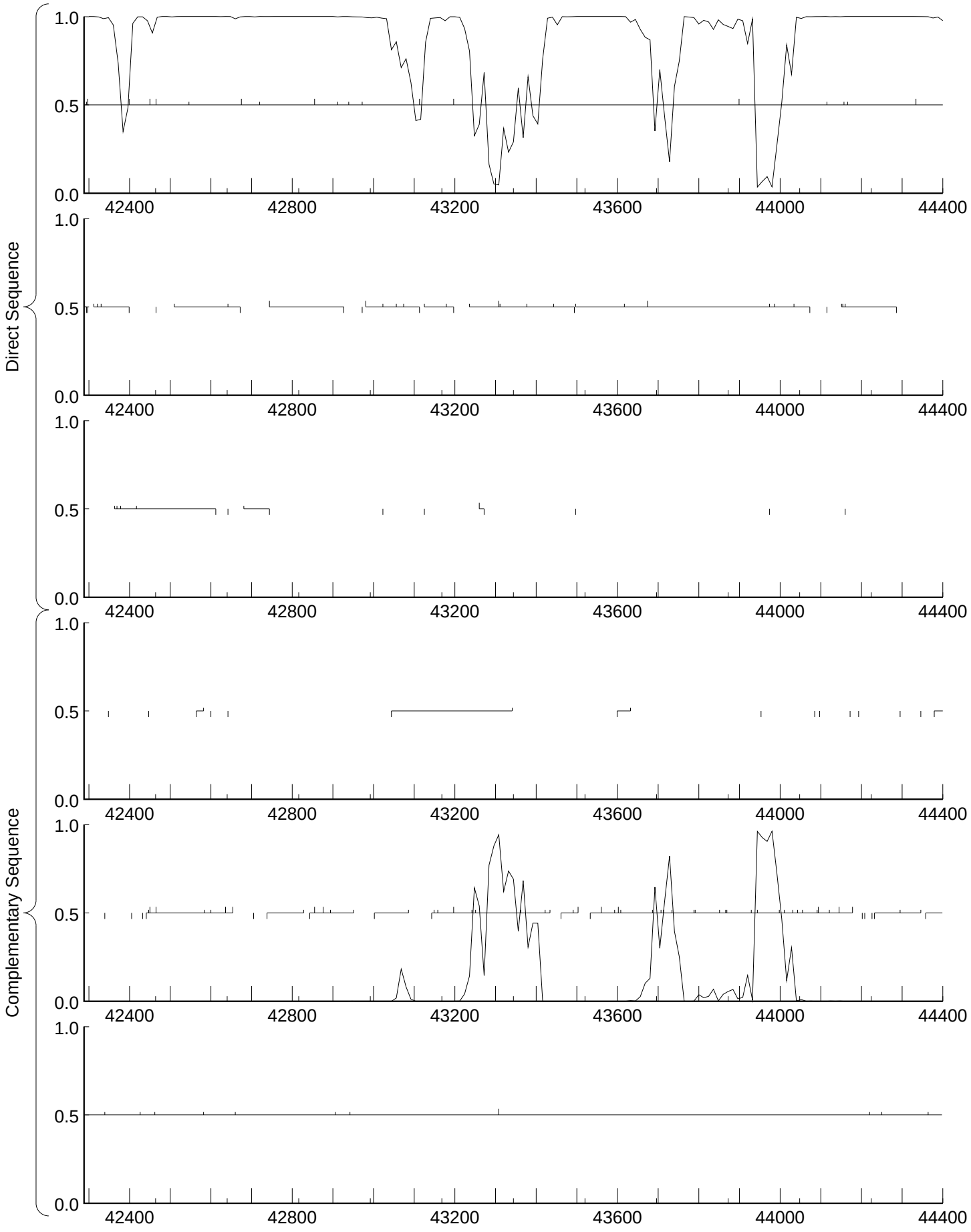


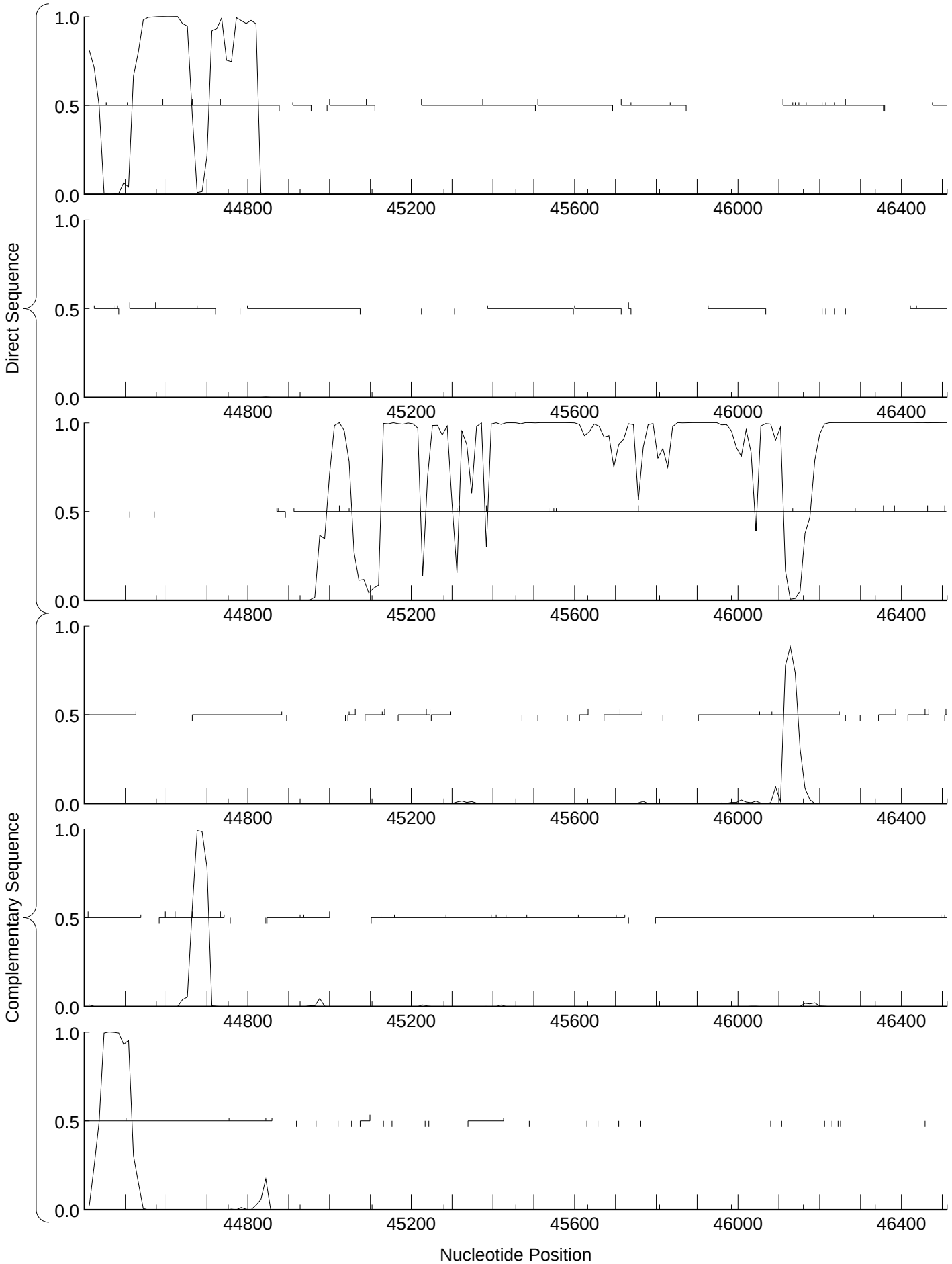

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Nucleotide Position

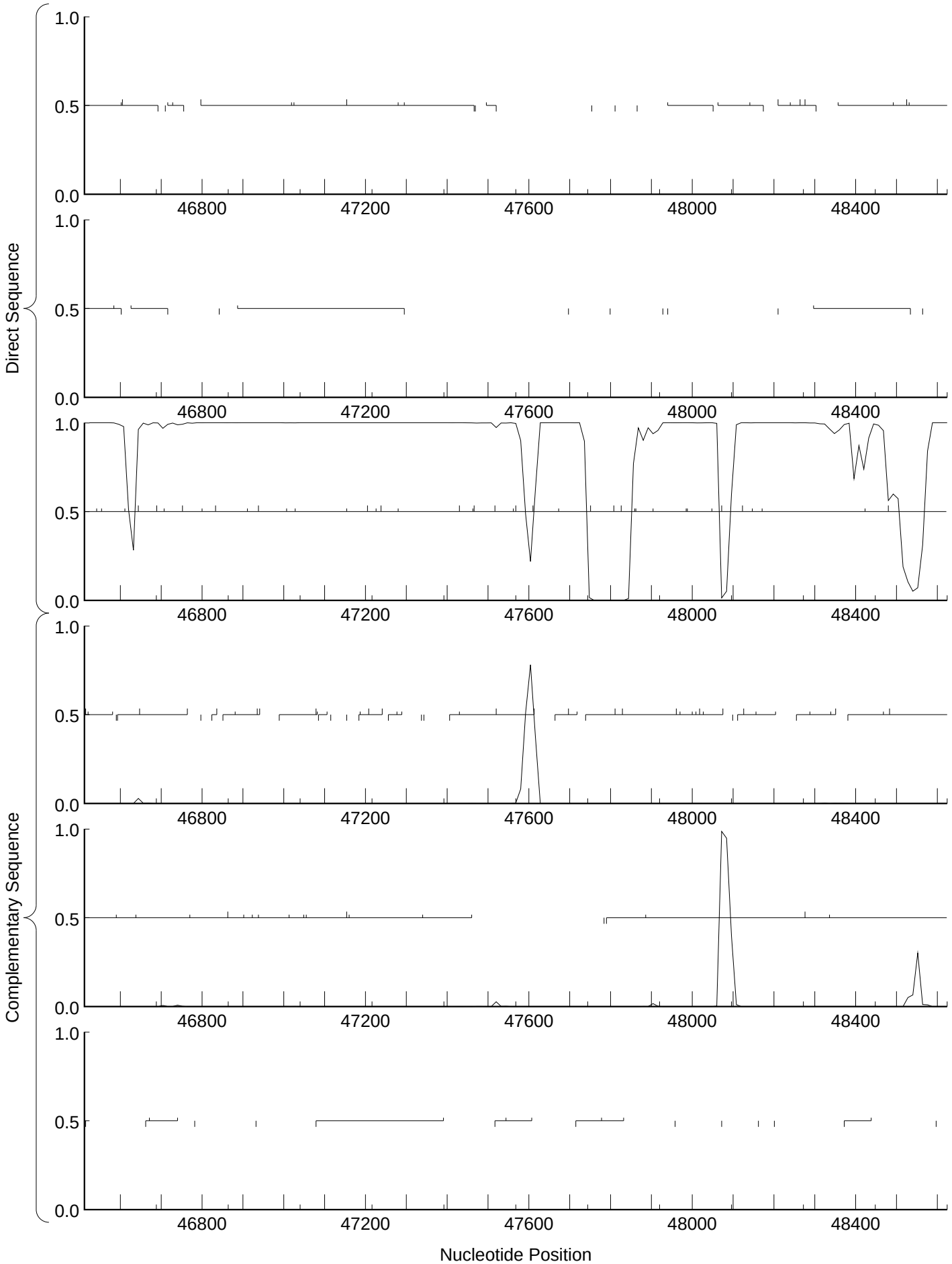

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Nucleotide Position

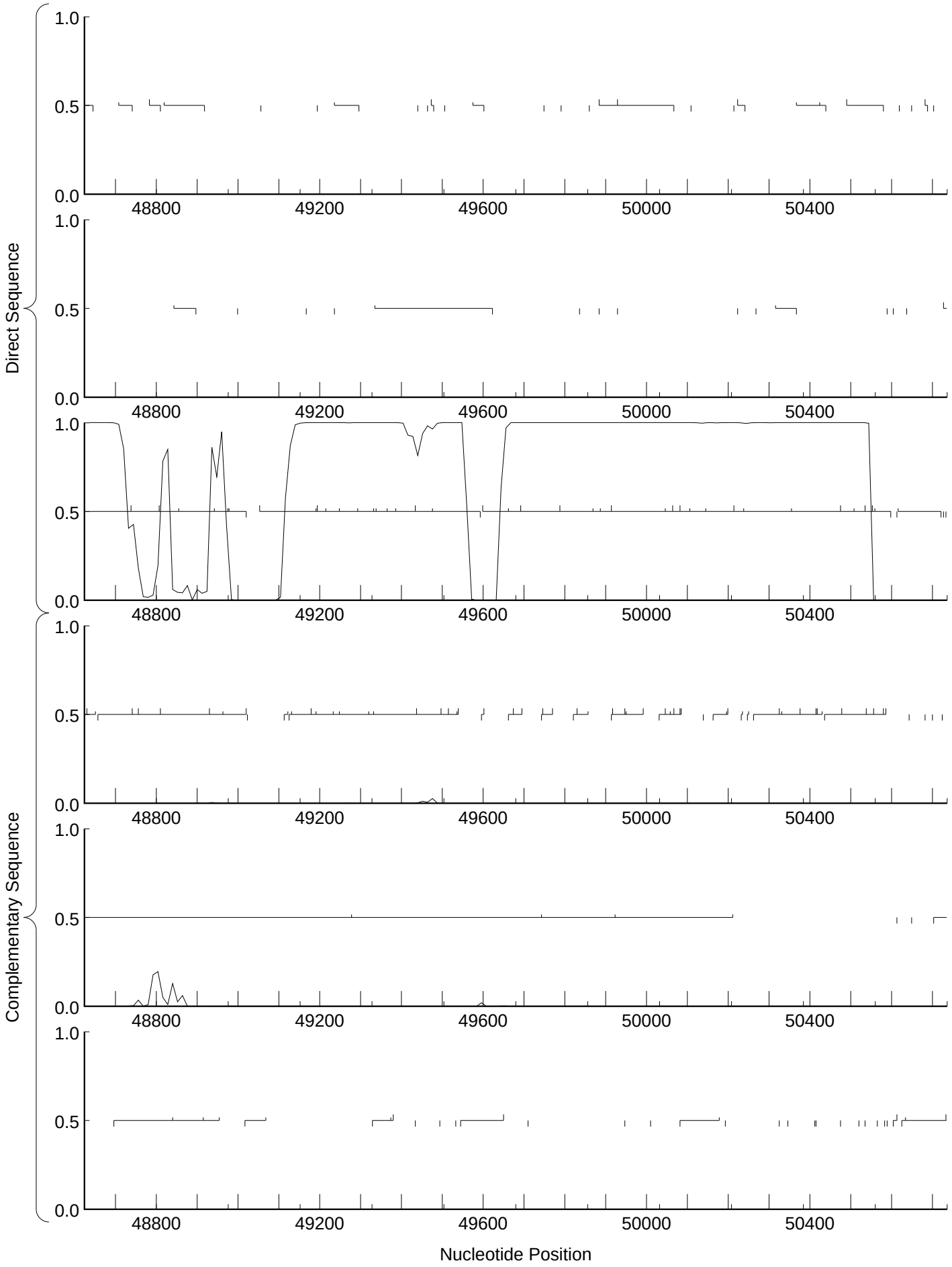

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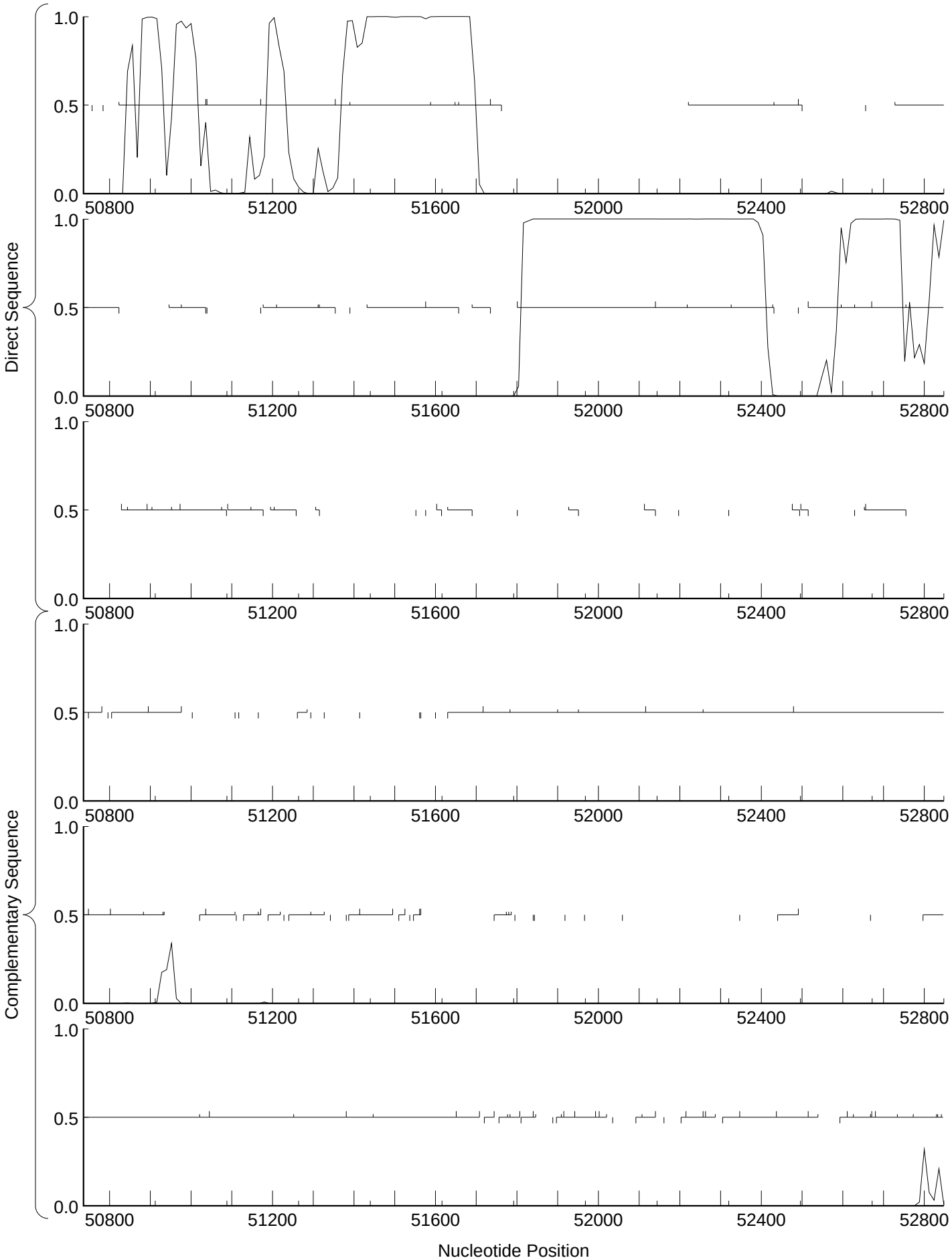

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Nucleotide Position

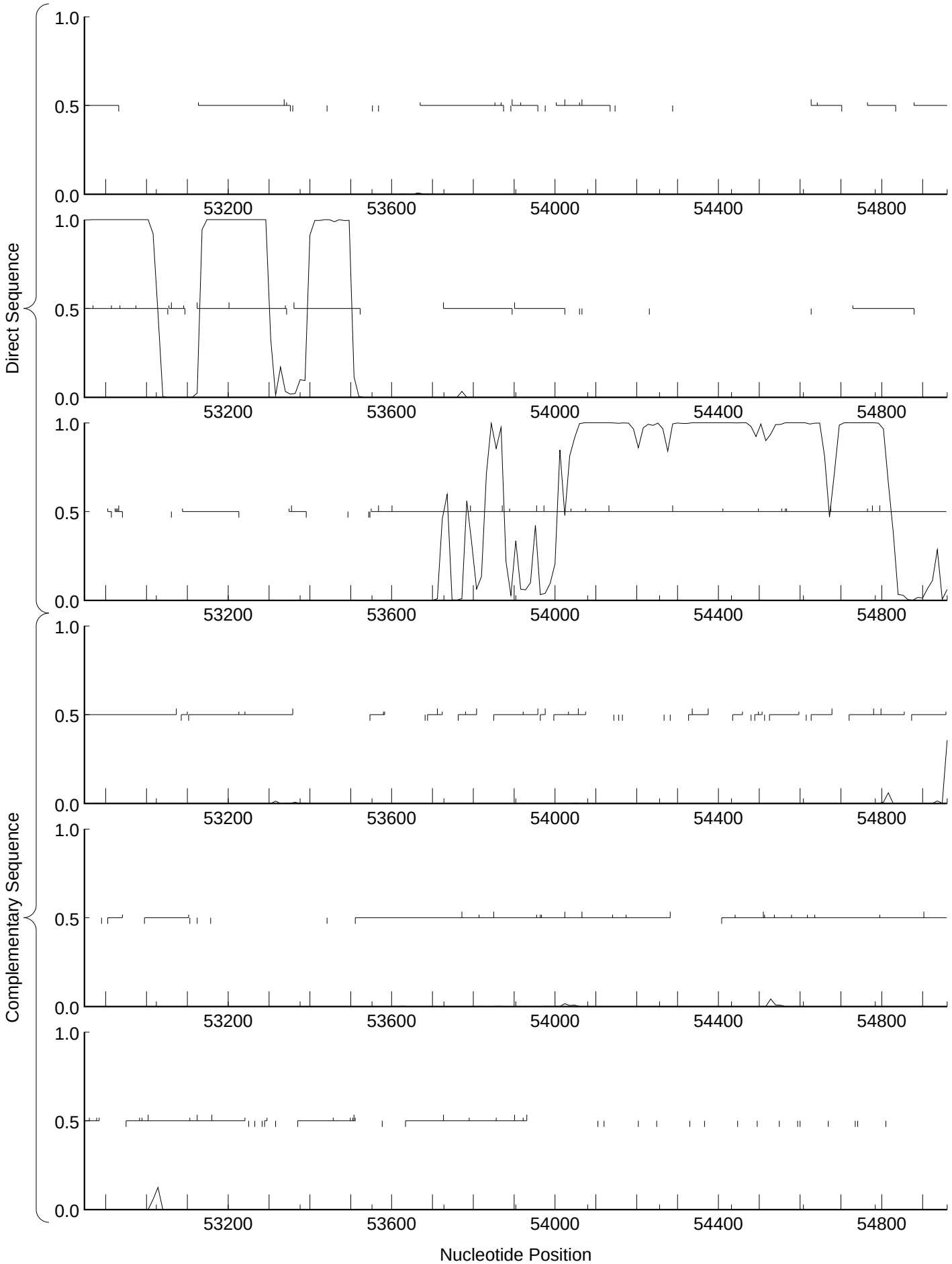

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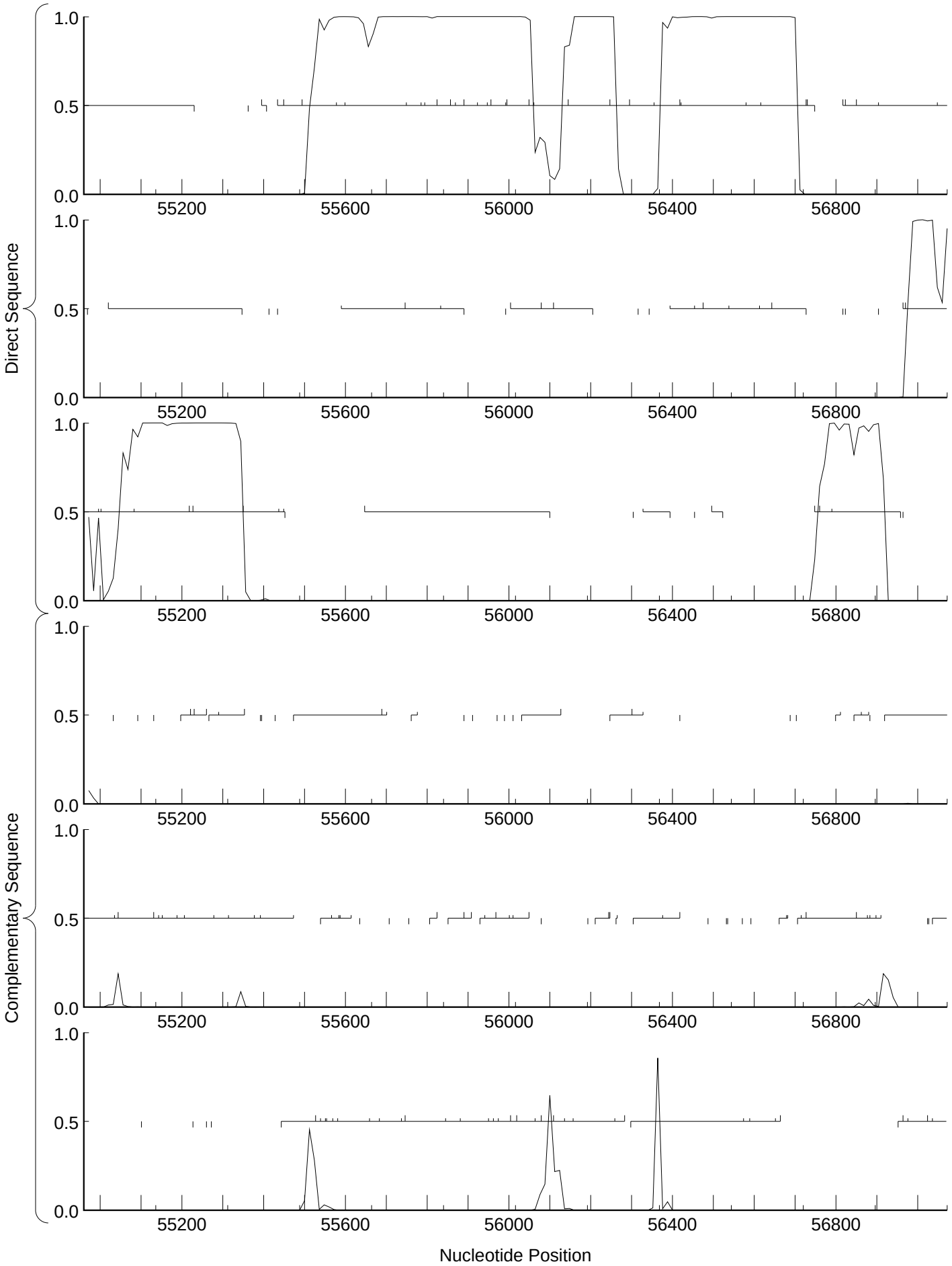

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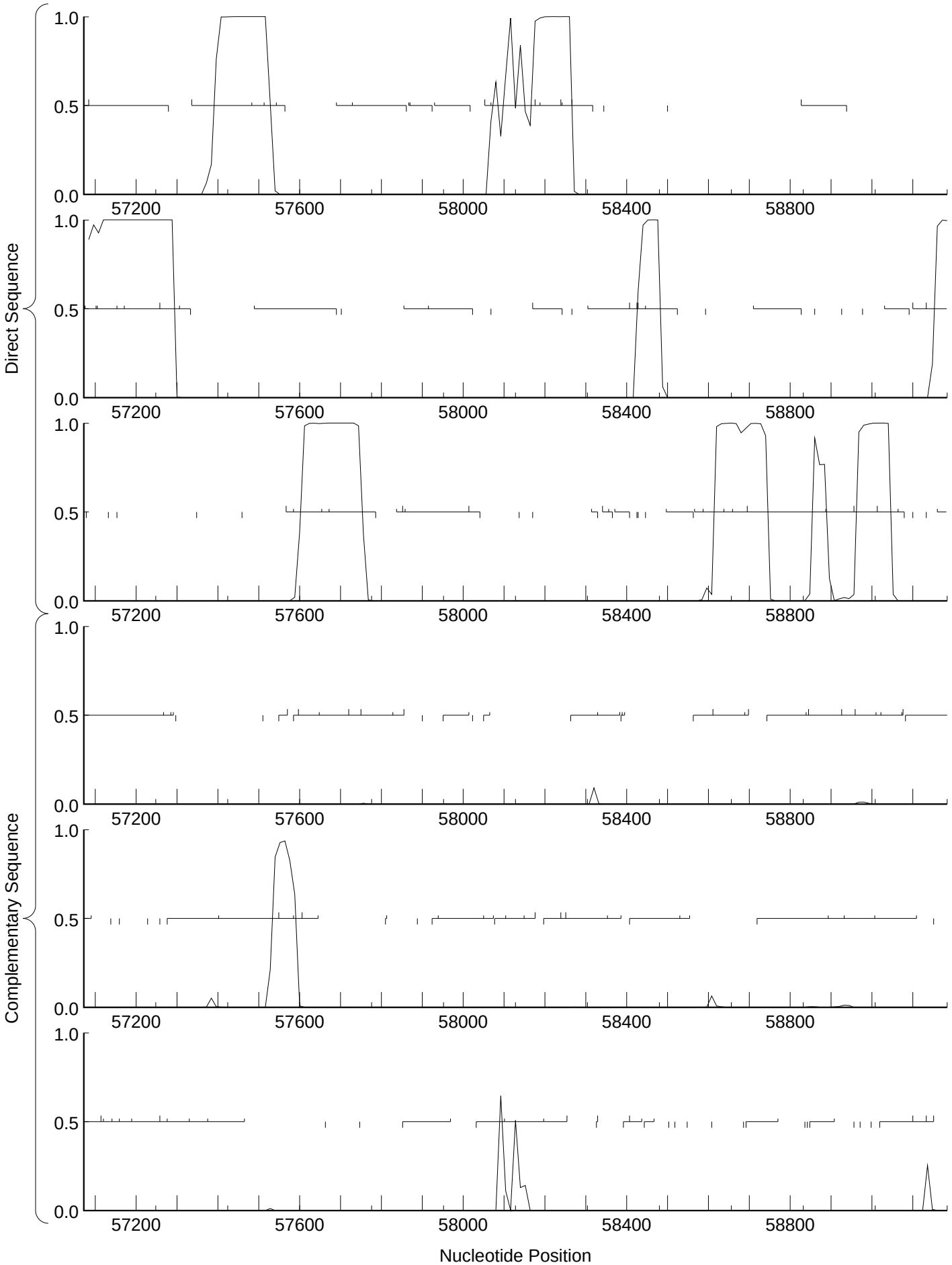

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Nucleotide Position

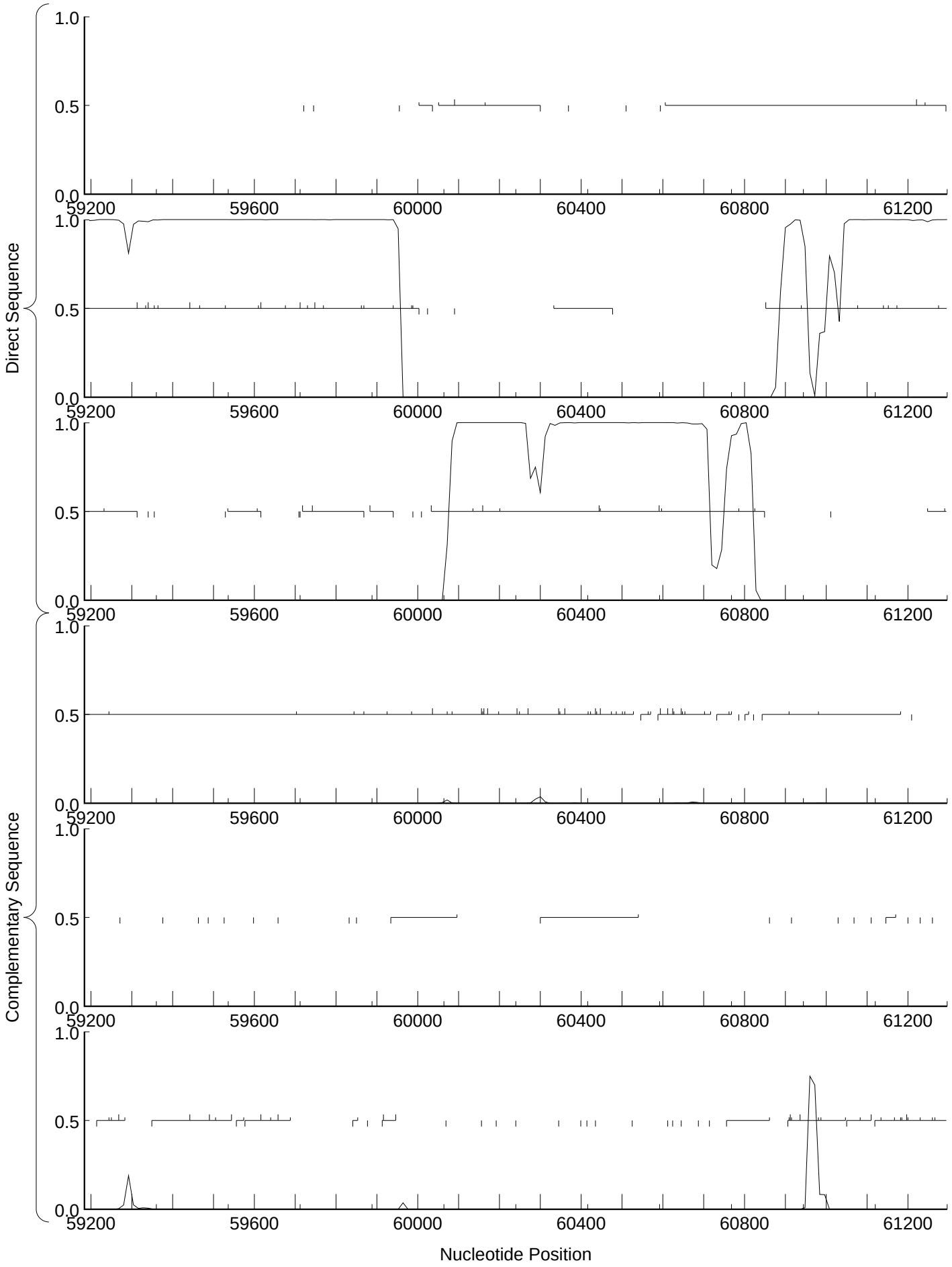

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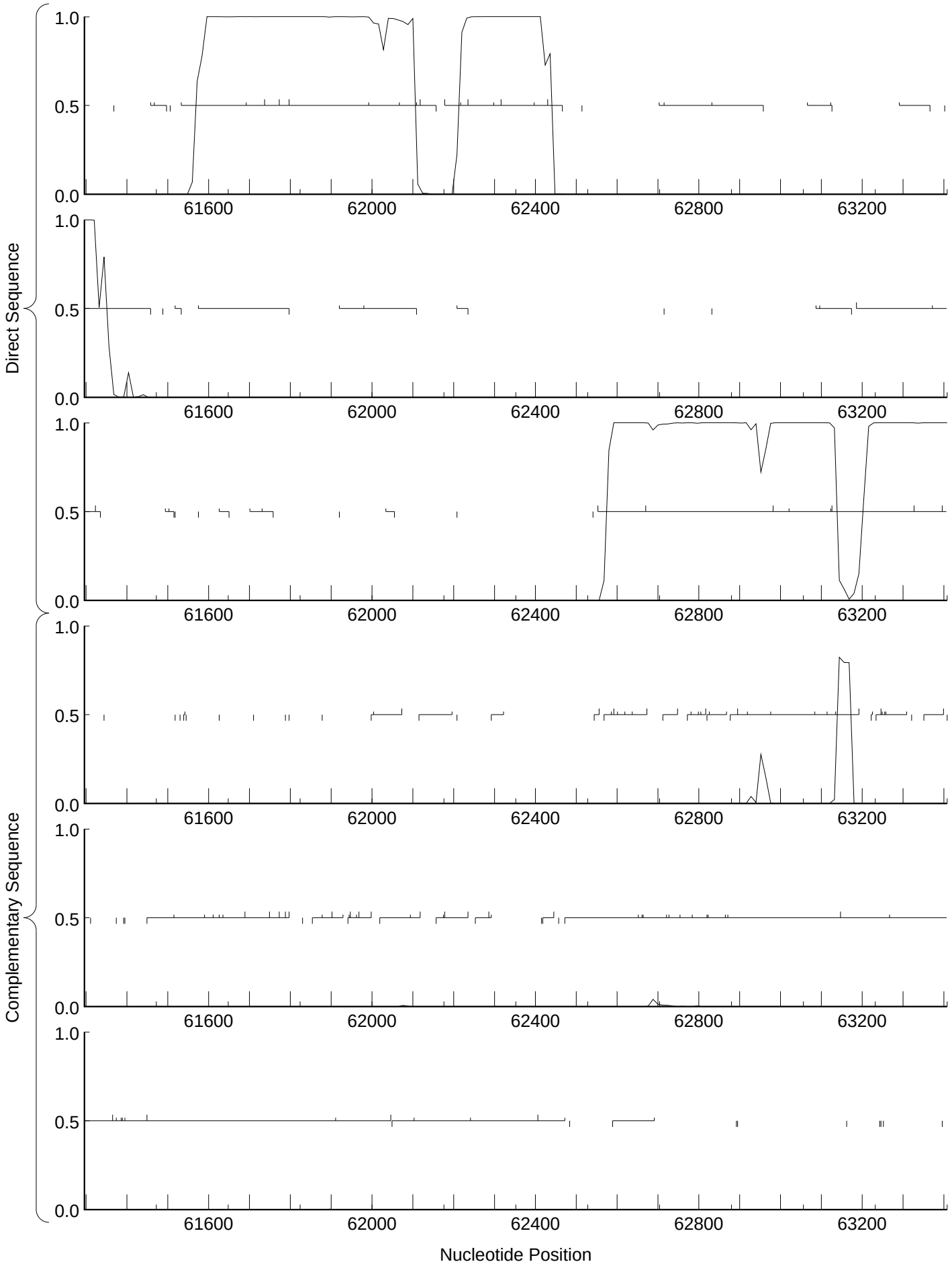

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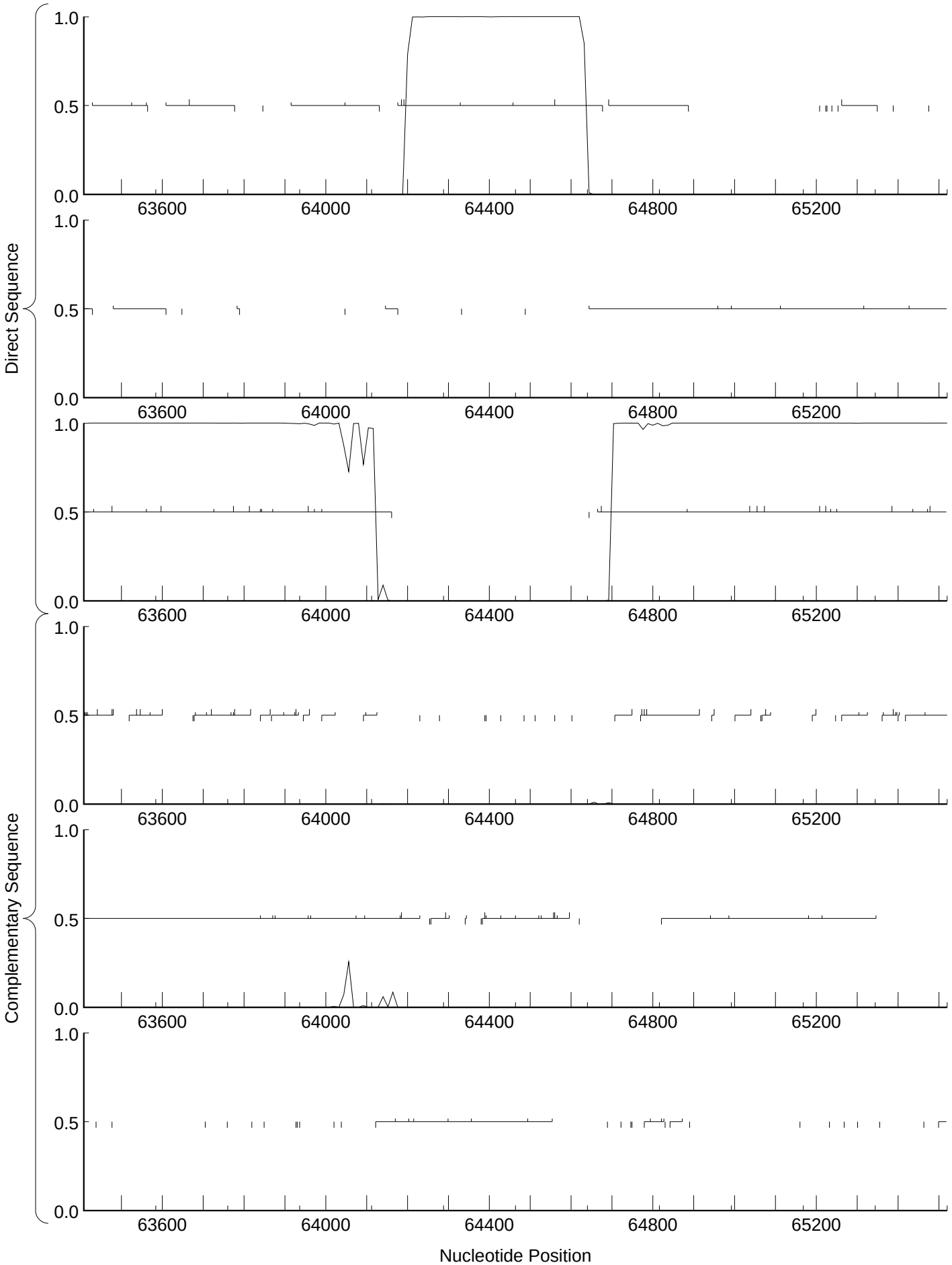

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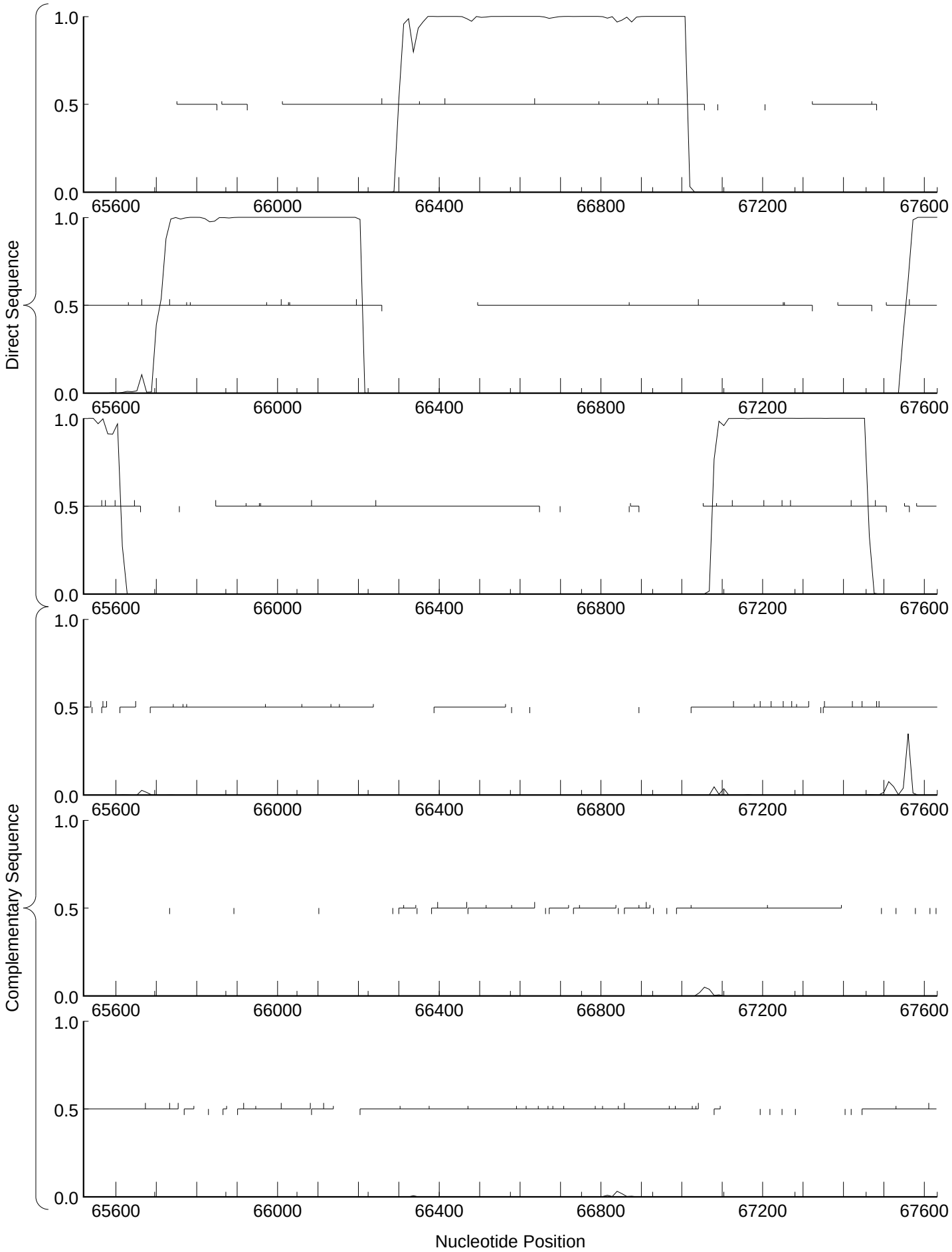
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 30/76

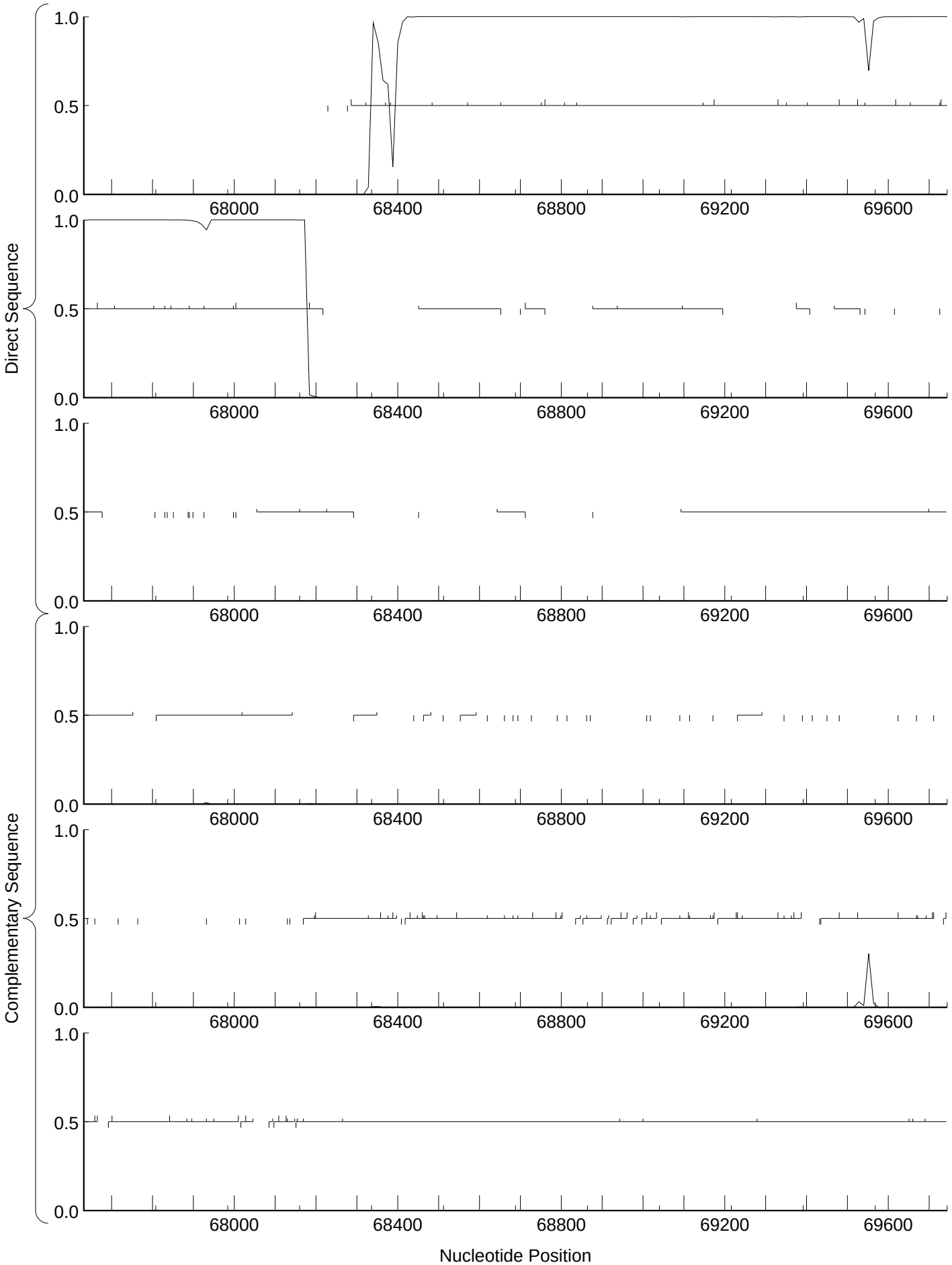


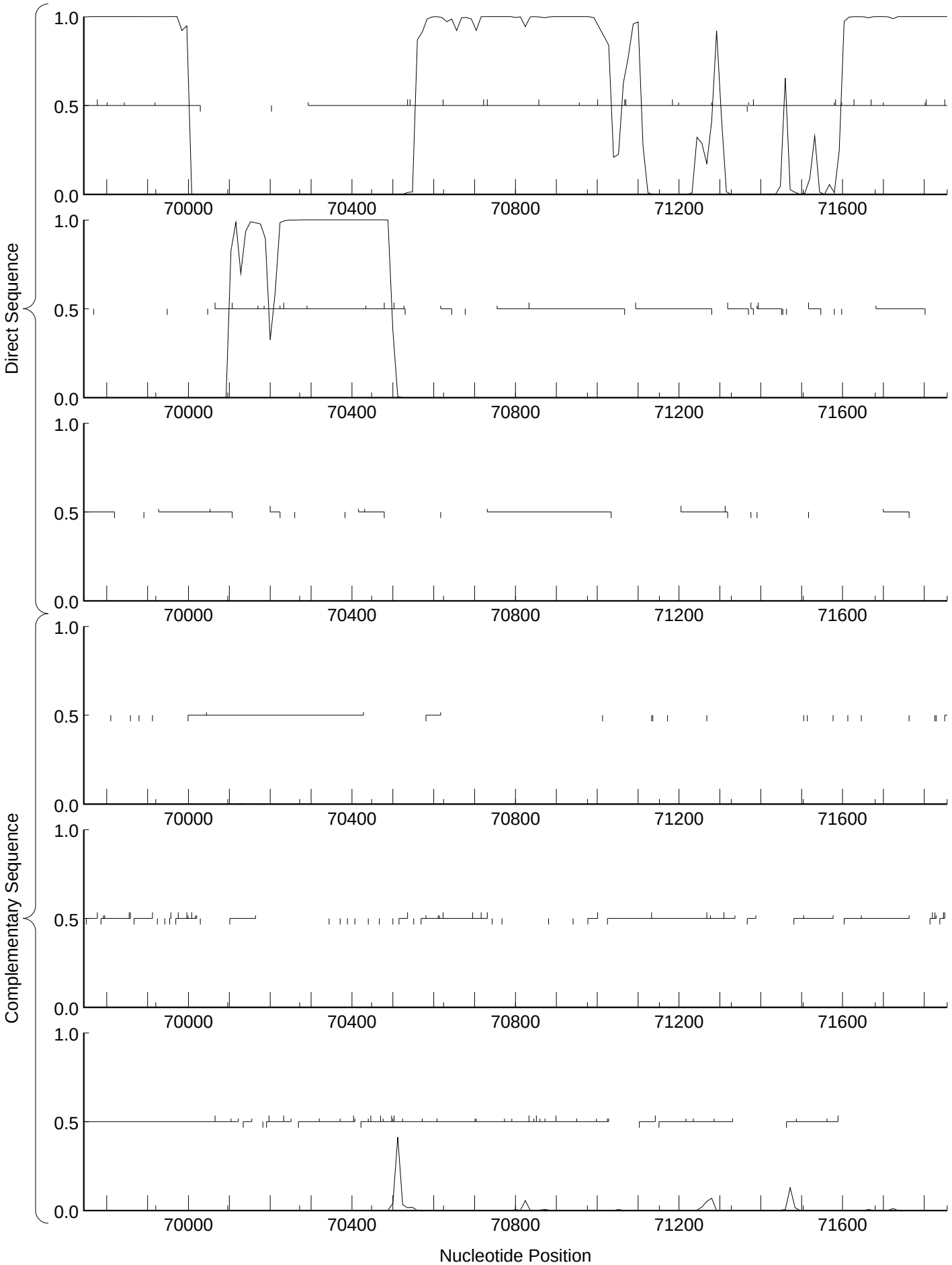

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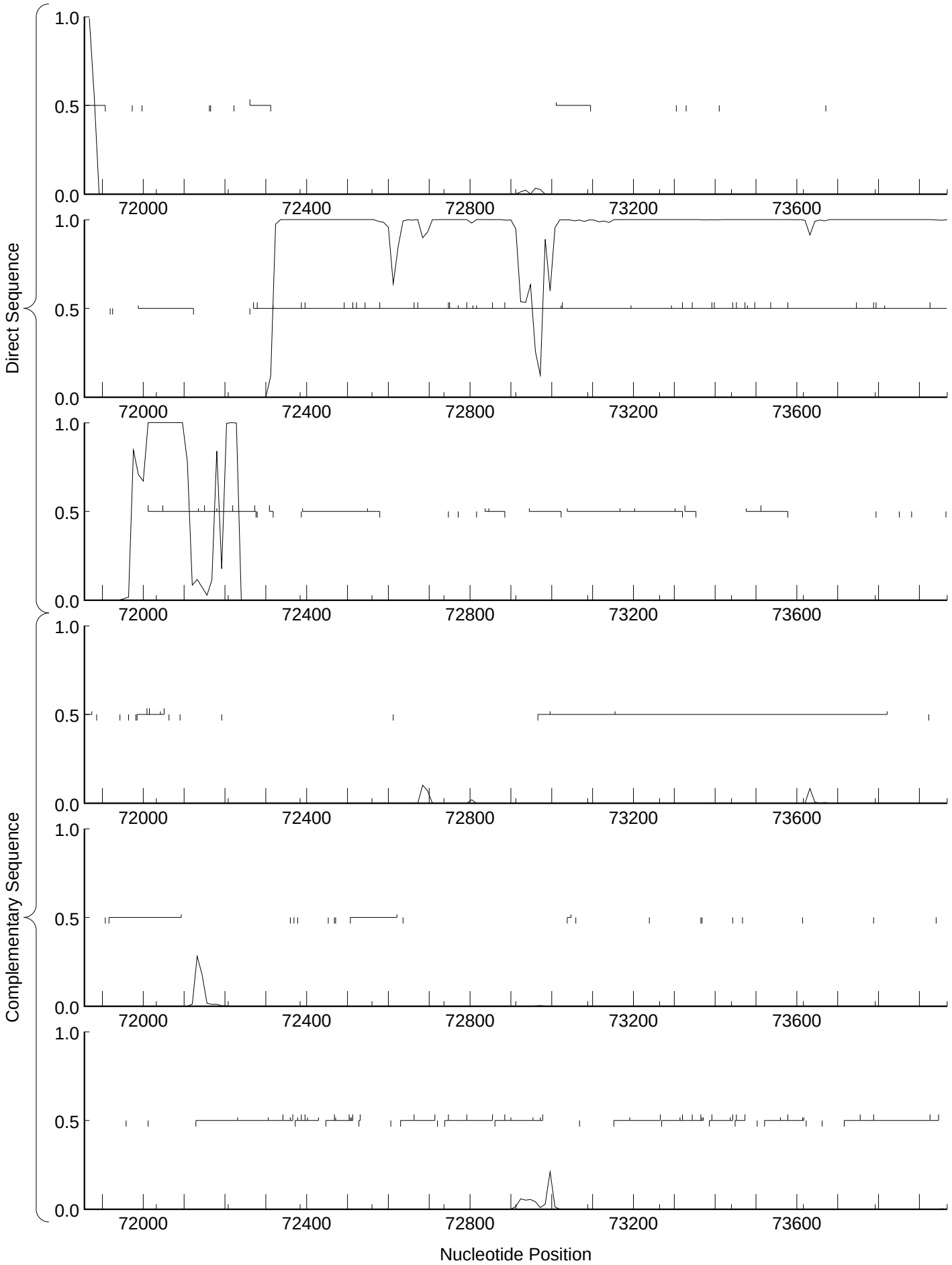

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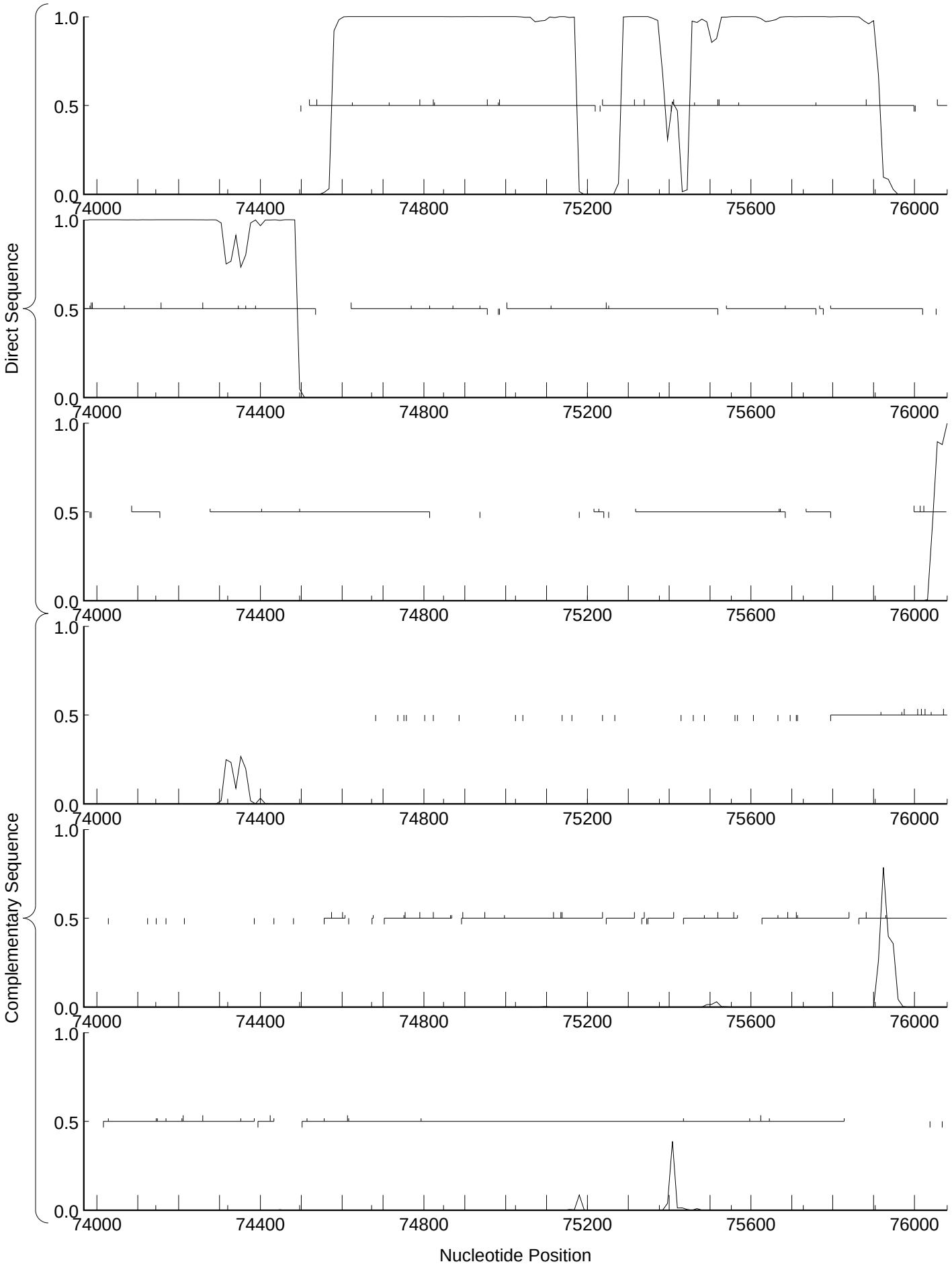
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 33/76



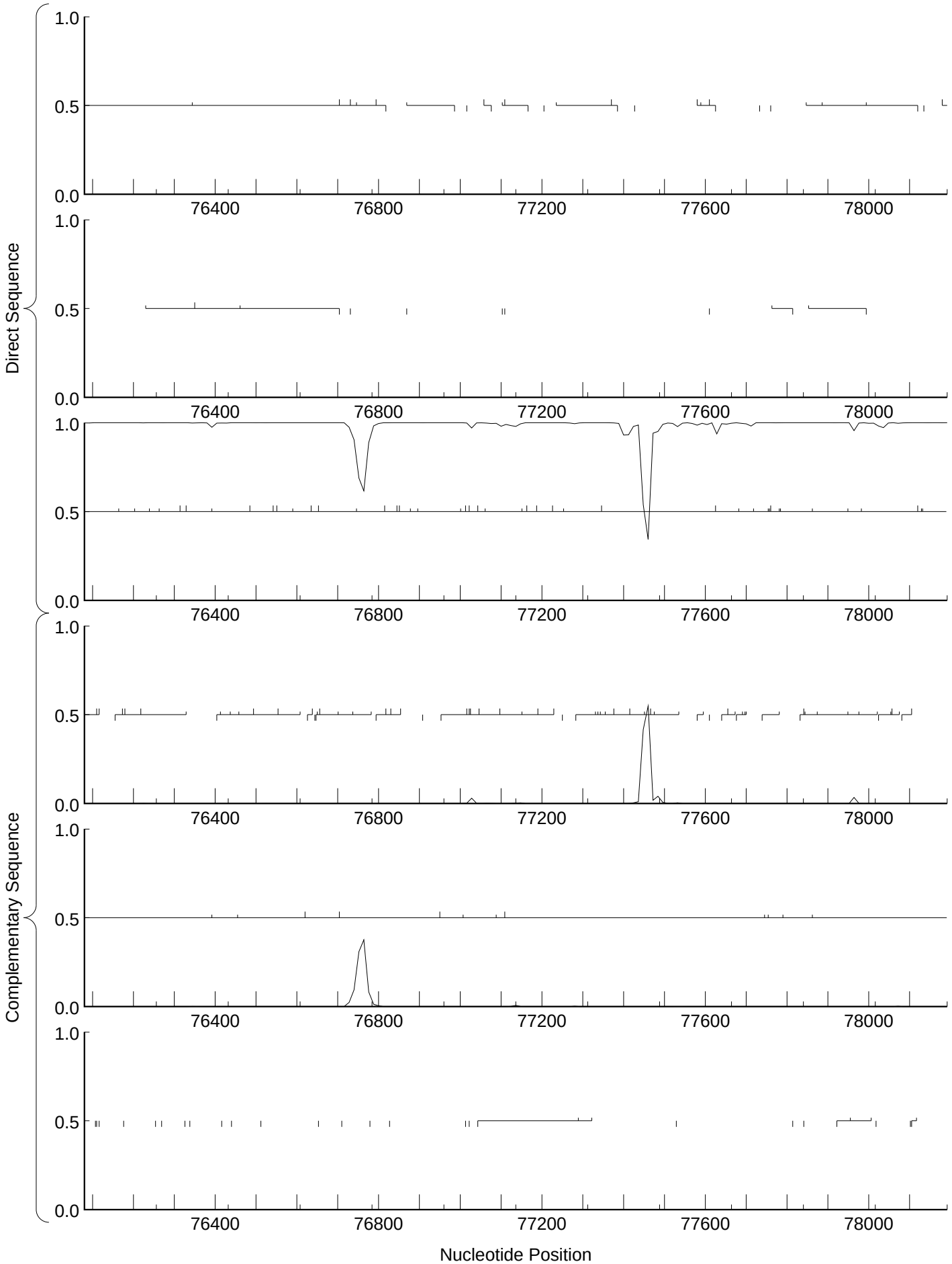

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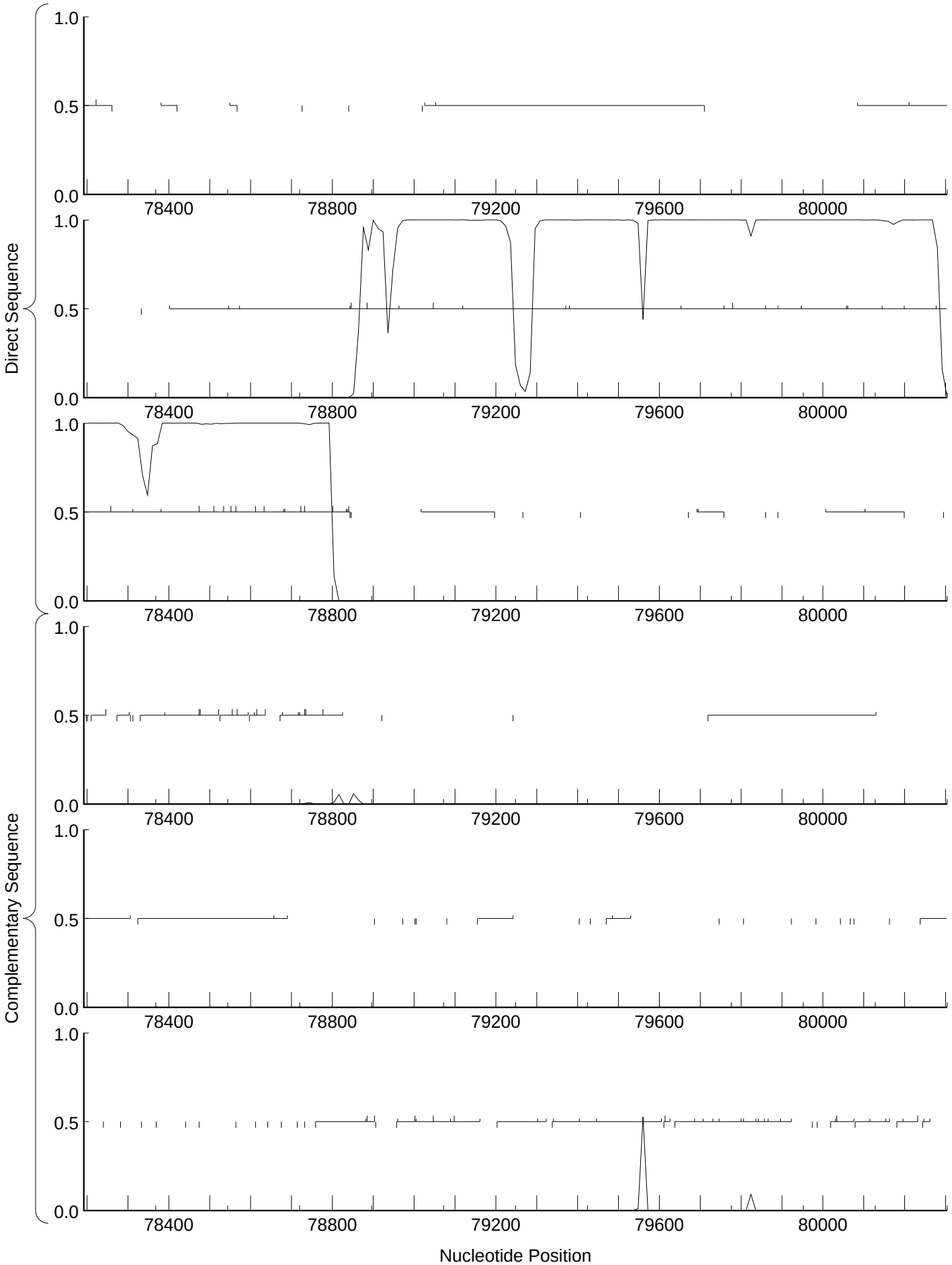

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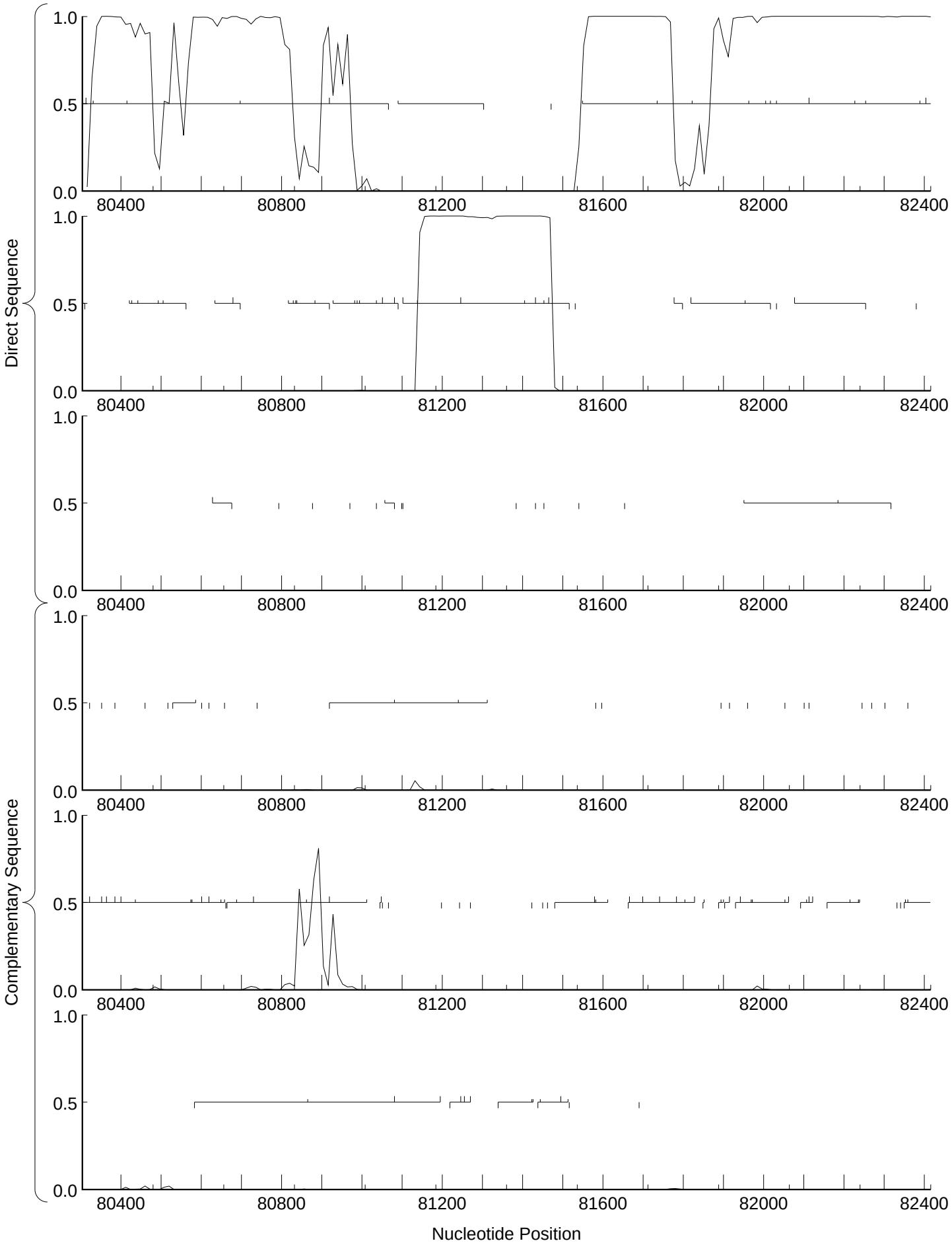

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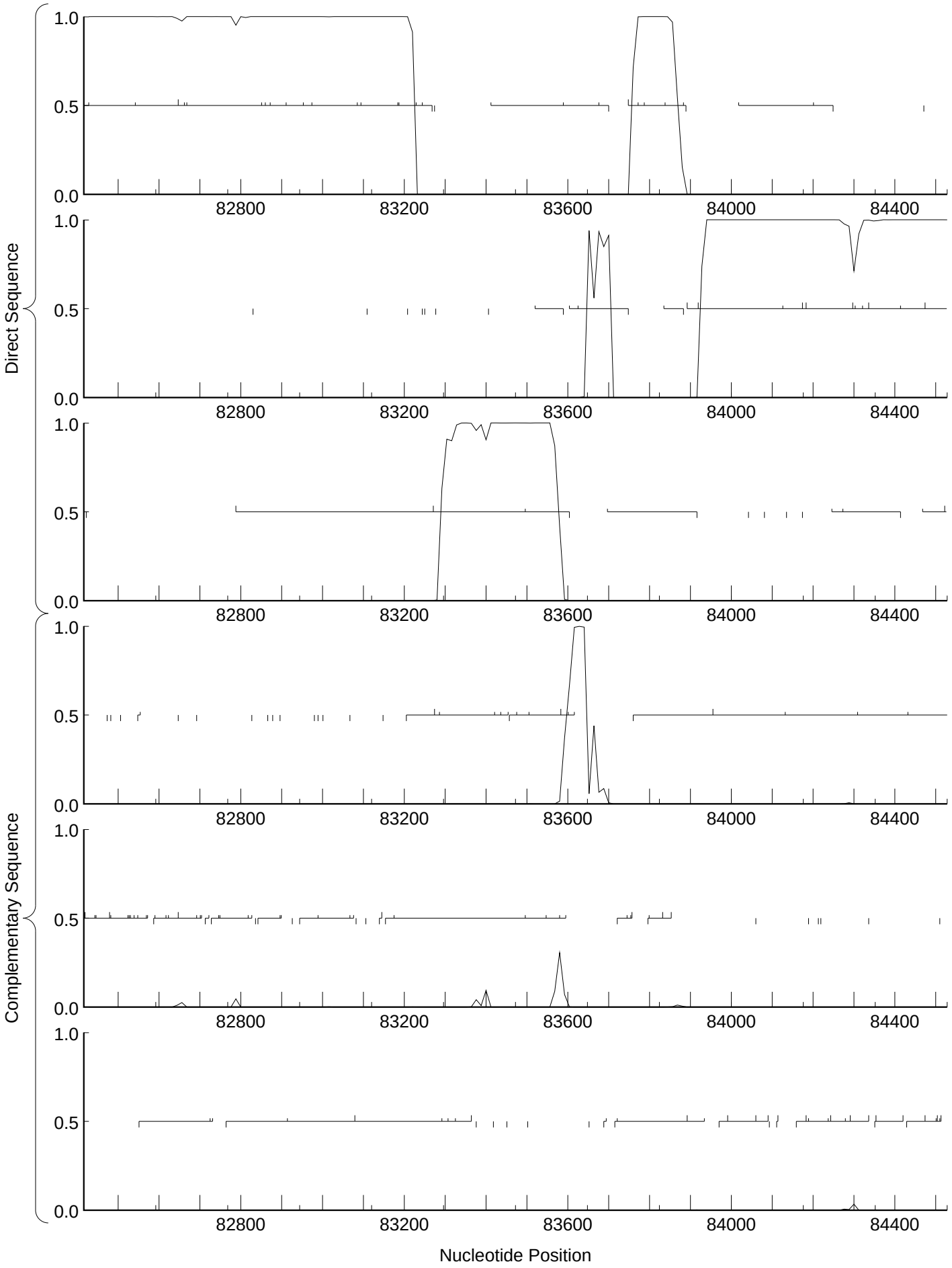

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Nucleotide Position

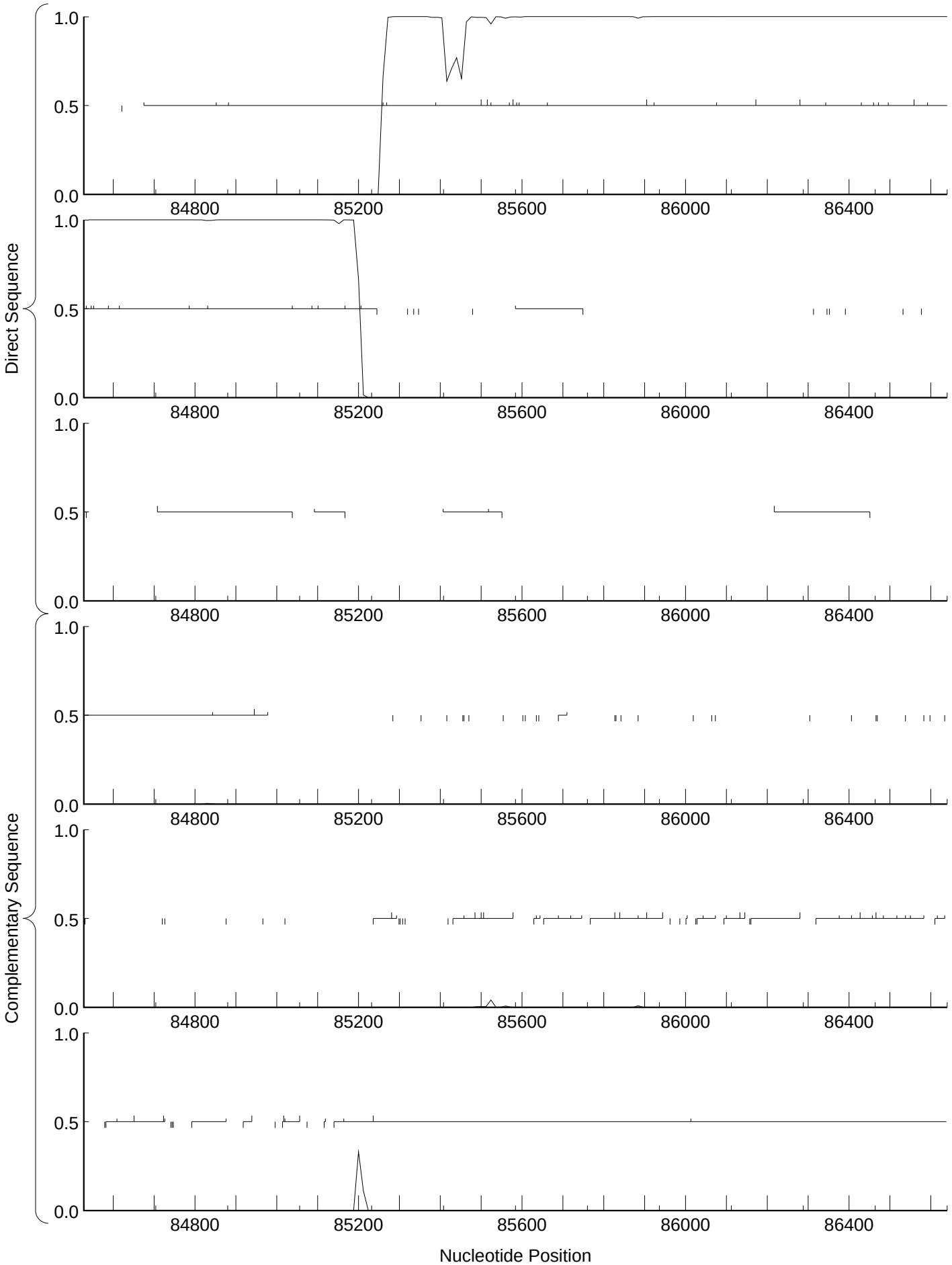
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 38/76

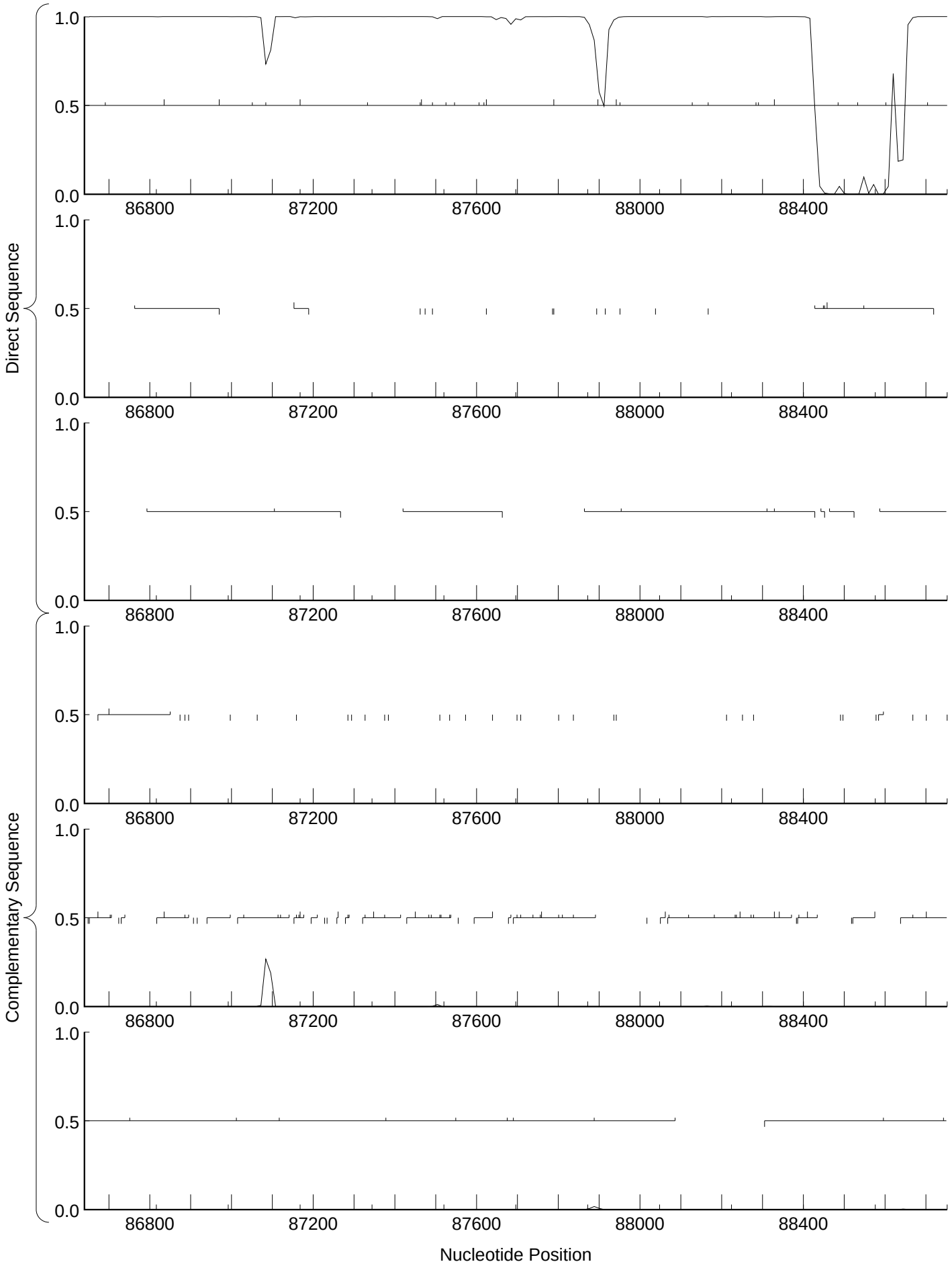


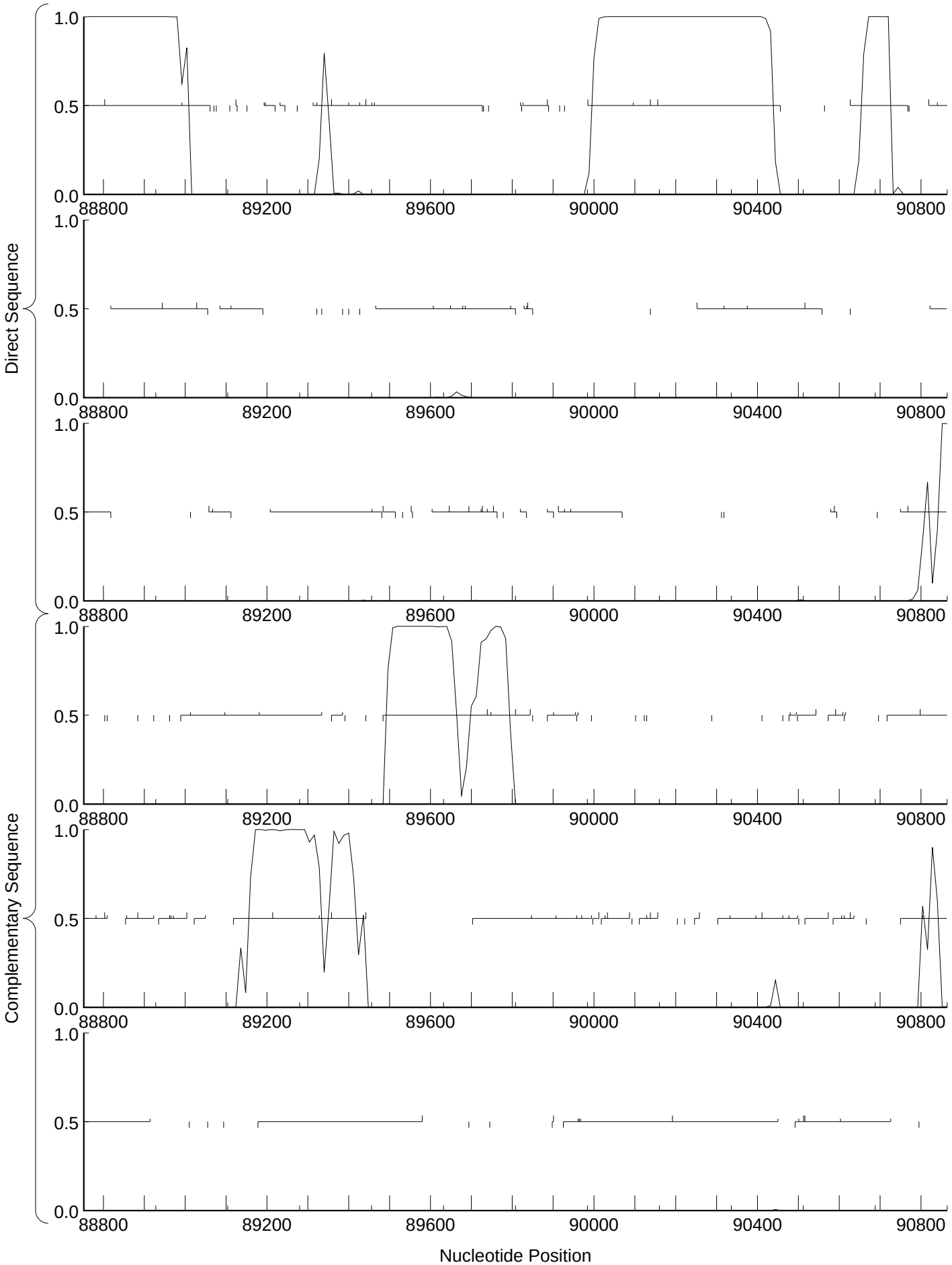

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Complementary Sequence
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79200
79600
80000
Nucleotide Position

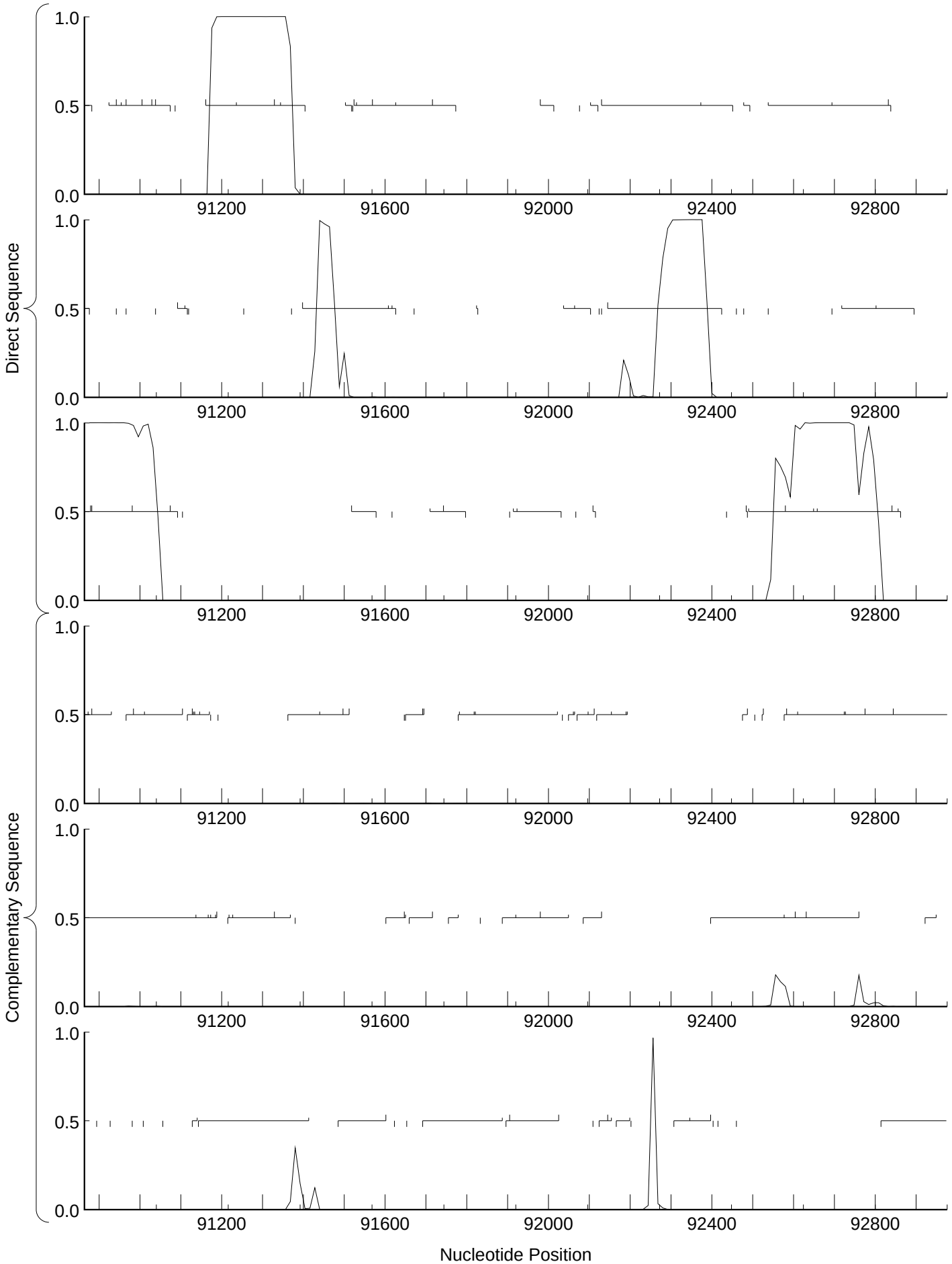

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
80400
80800
81200
81600
82000
82400
Nucleotide Position

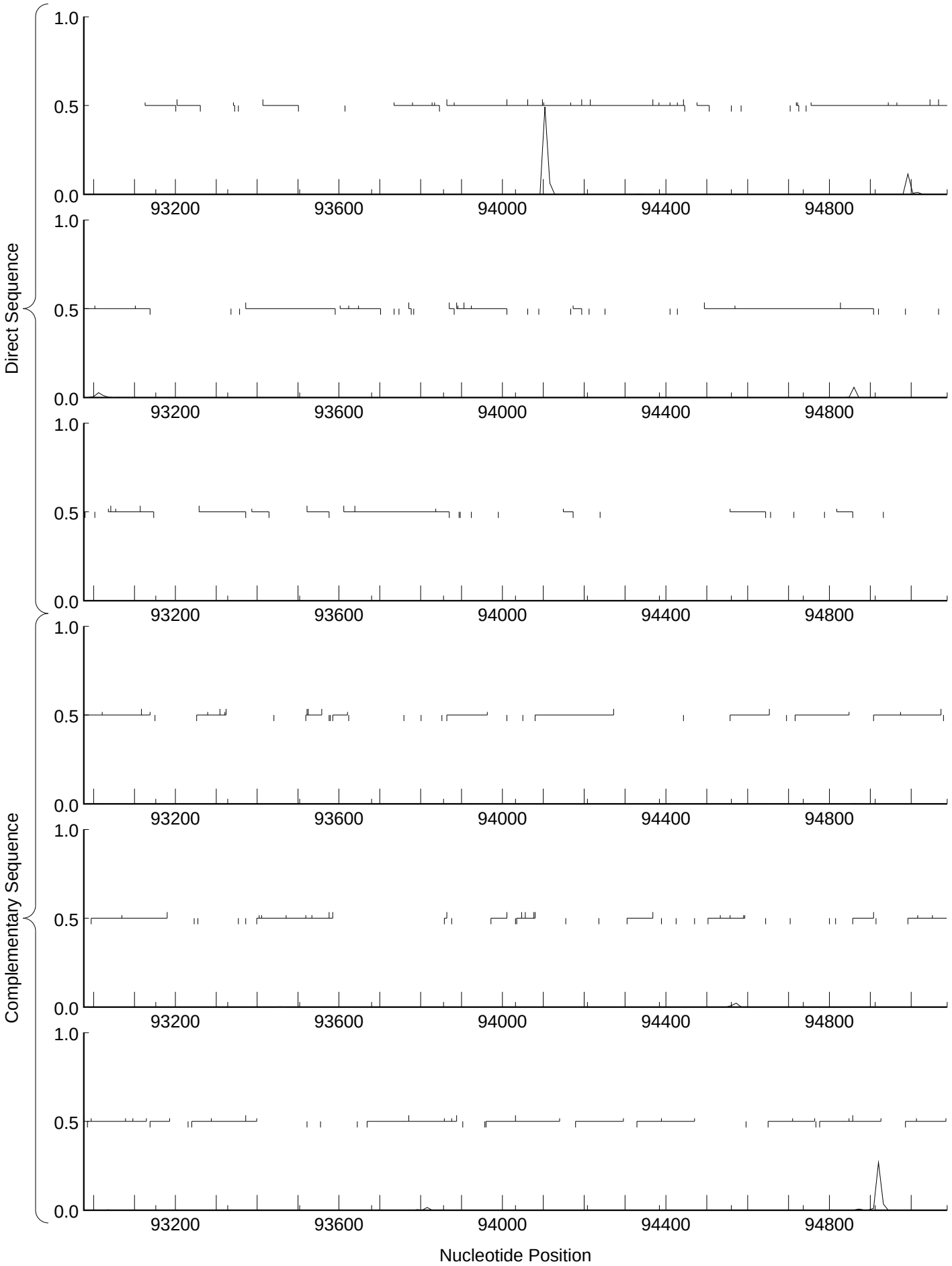

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
82800
83200
83600
84000
84400
Nucleotide Position

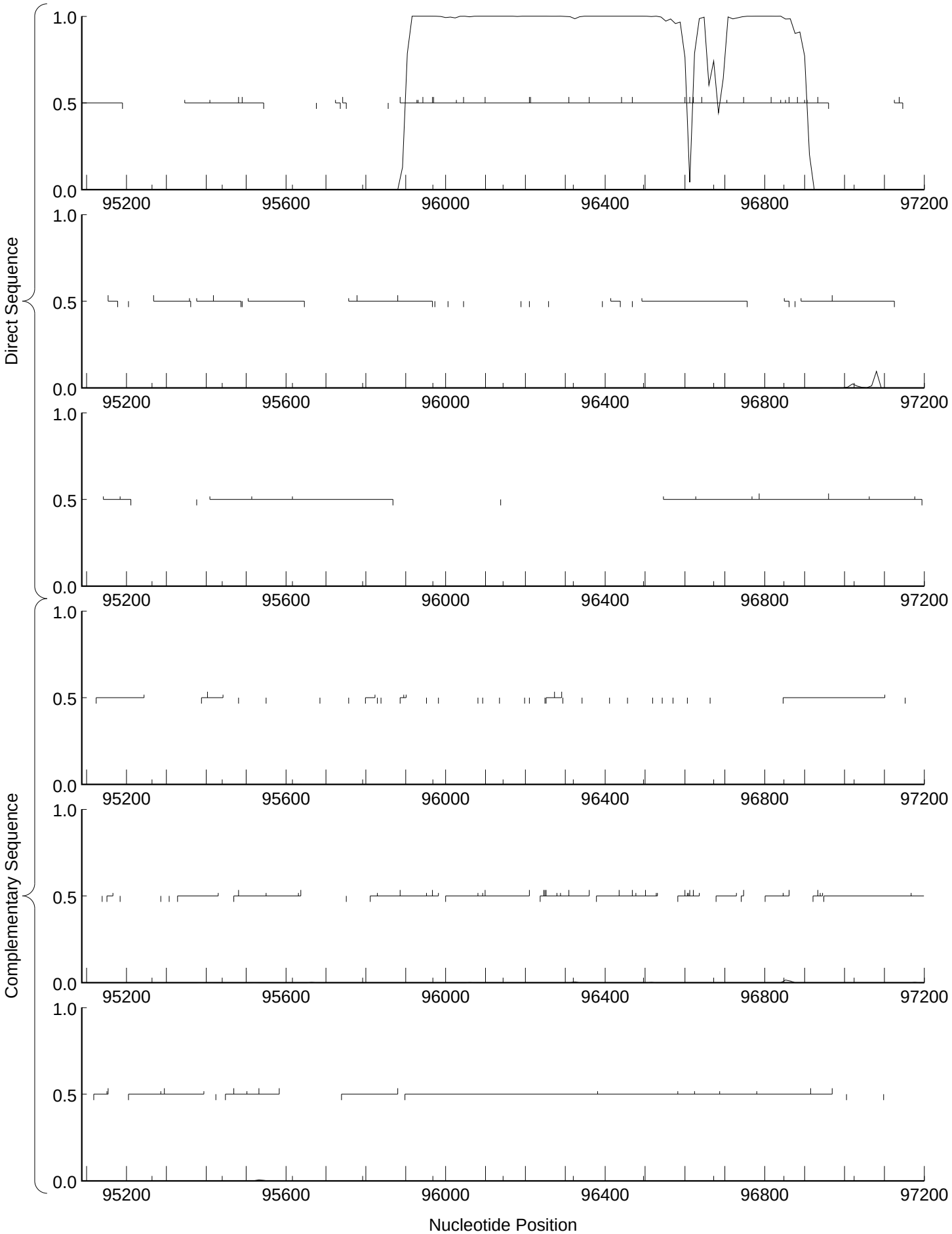

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
84800
85200
85600
86000
86400
Nucleotide Position

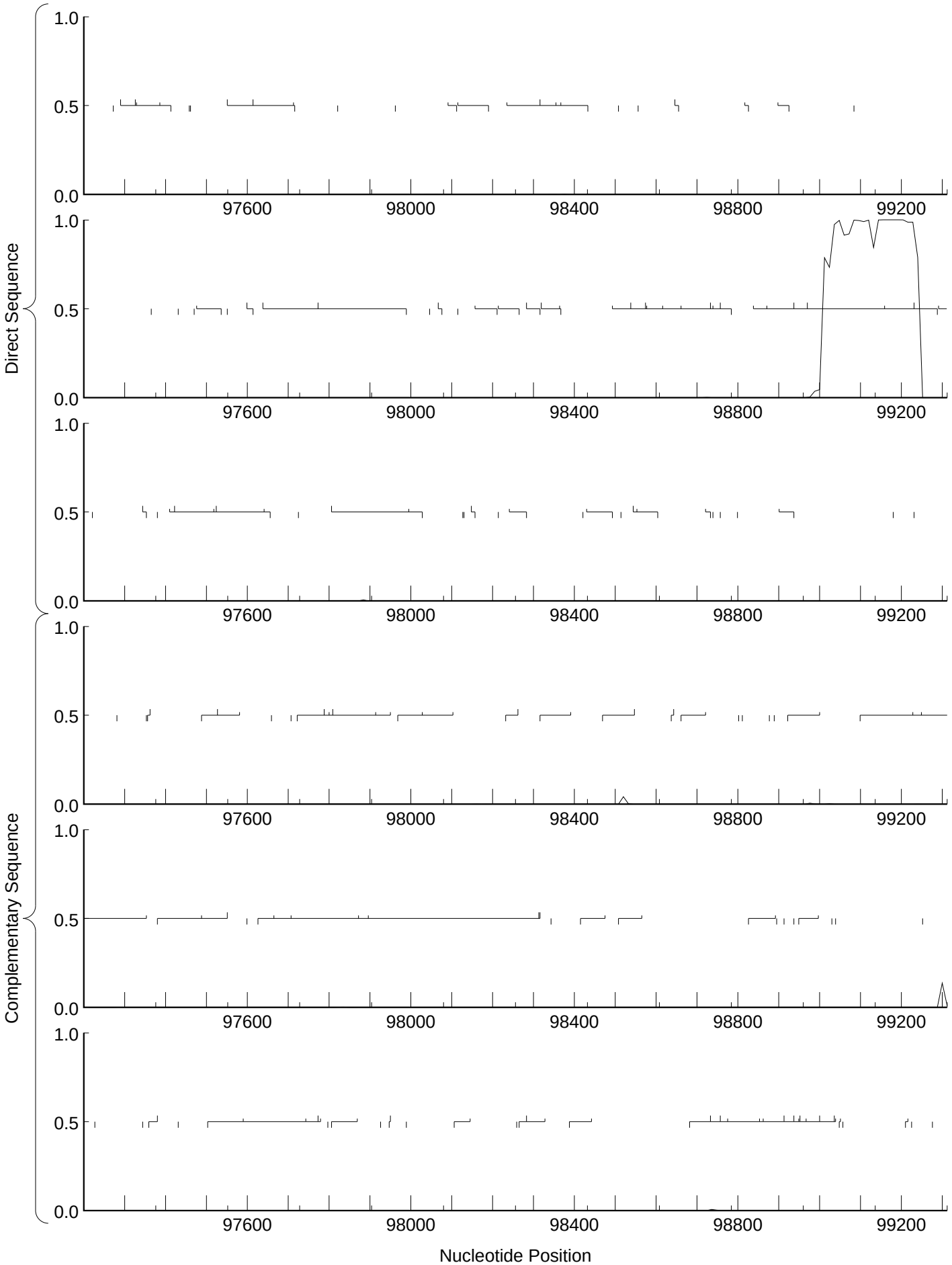

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
86800
87200
87600
88000
88400
Nucleotide Position

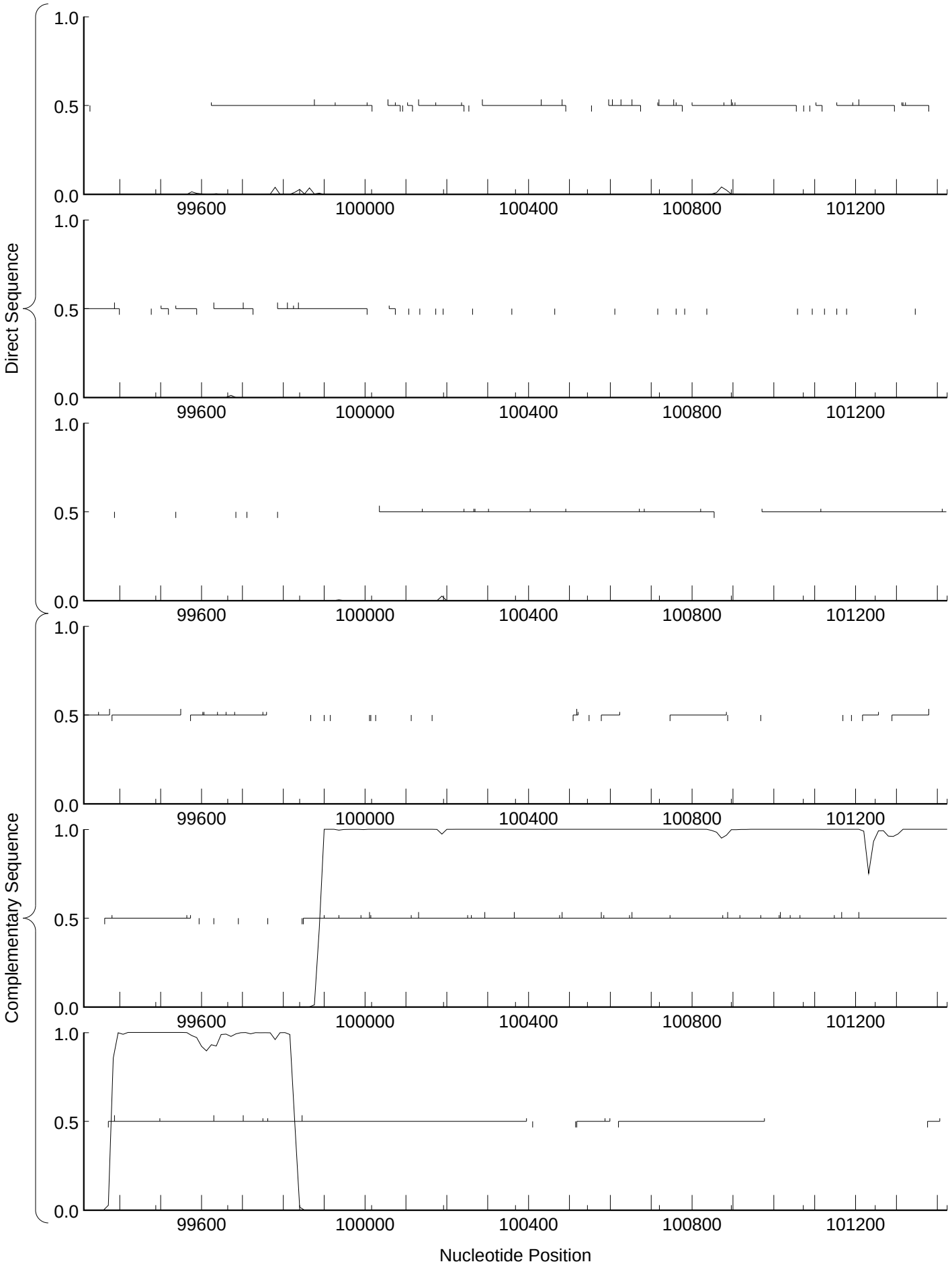

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
88800
89200
89600
90000
90400
90800
Nucleotide Position


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
91200
91600
92000
92400
92800
Nucleotide Position

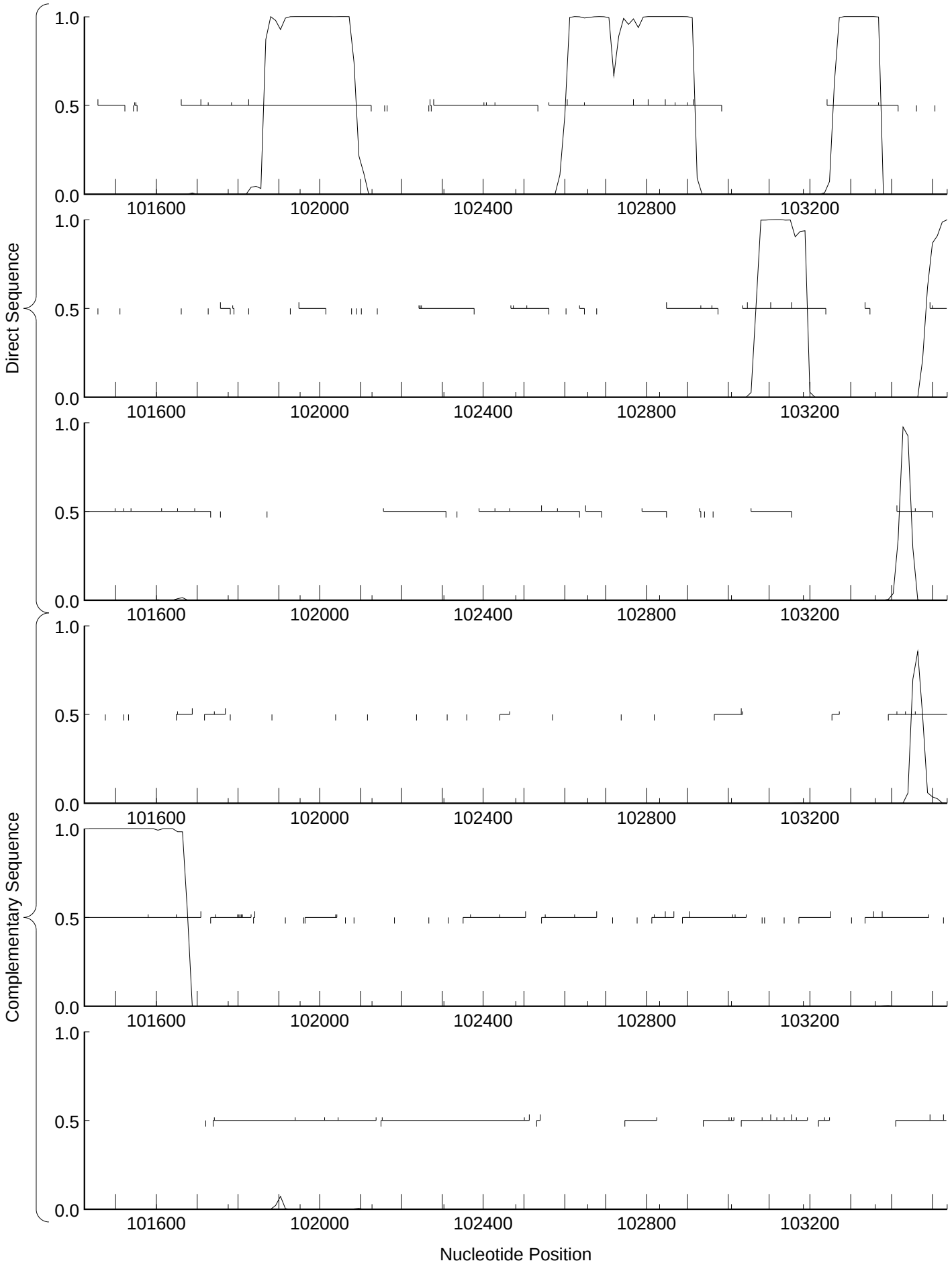

Direct Sequence
Complementary Sequence
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0.5
0.0
93200
93600
94000
94400
94800
Nucleotide Position

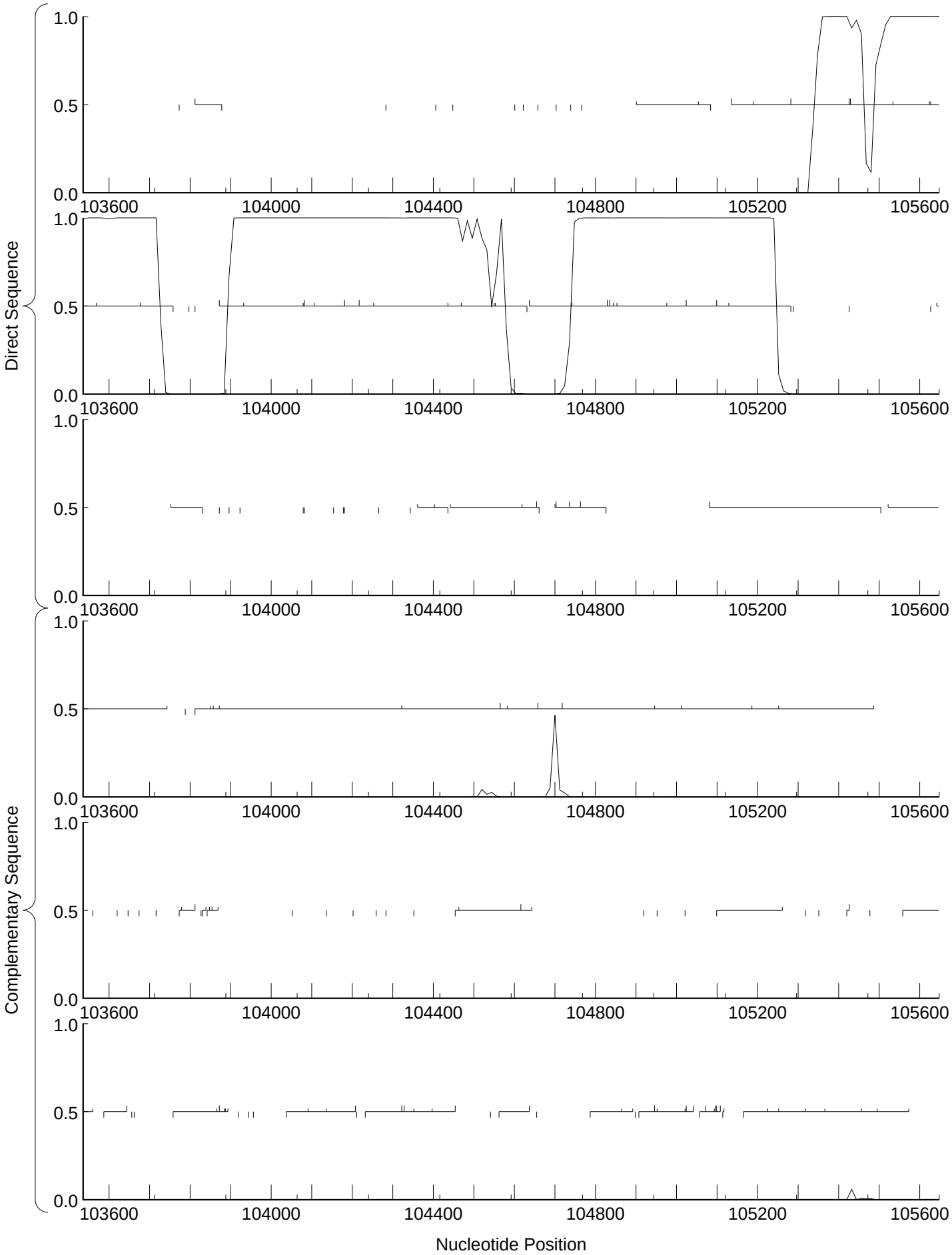

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
95200
95600
96000
96400
96800
97200
Nucleotide Position

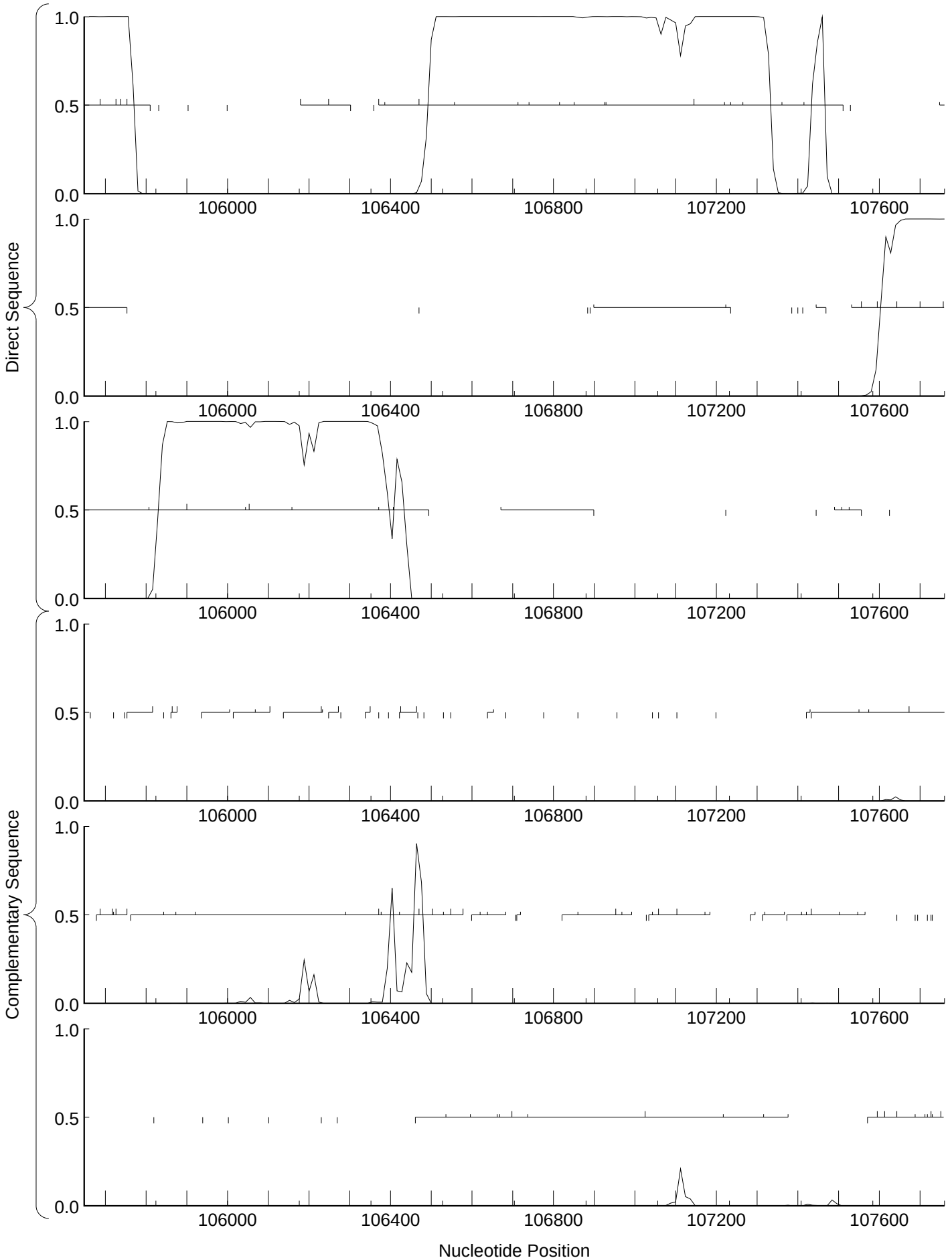

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
97600
98000
98400
98800
99200
Nucleotide Position

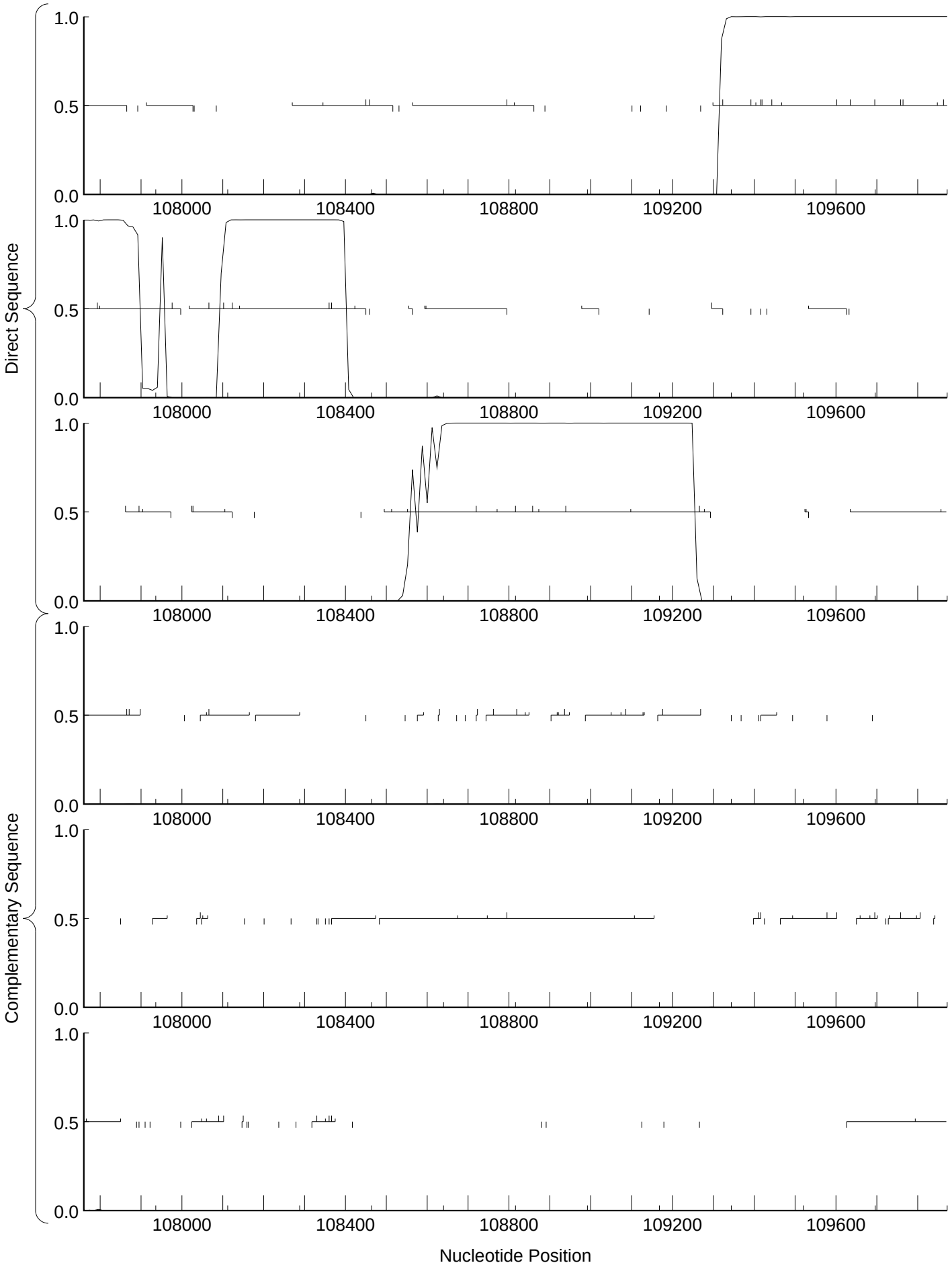

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
99600
100000
100400
100800
101200
Nucleotide Position

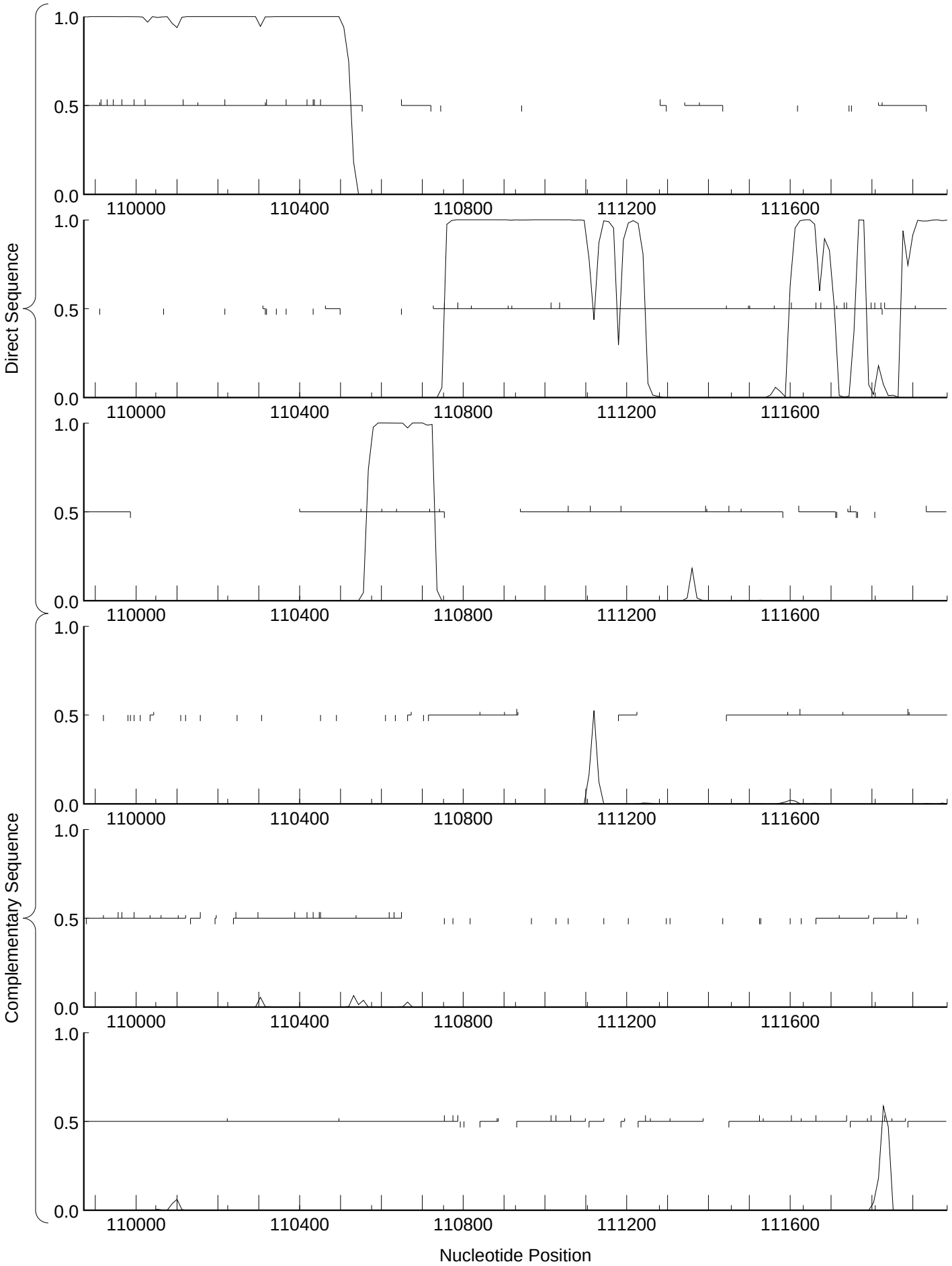
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 50/76



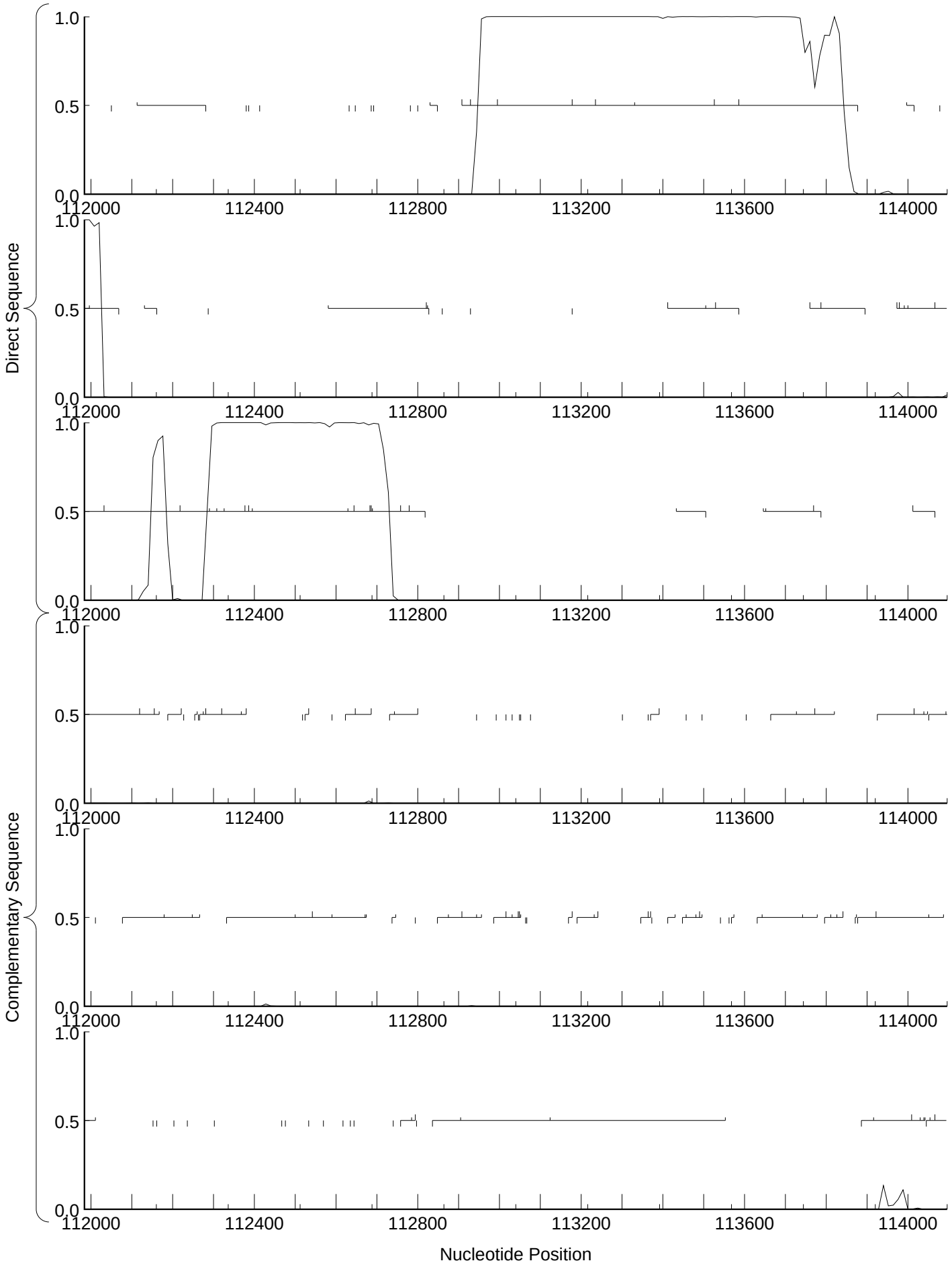

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
103600
104000
104400
104800
105200
105600
Nucleotide Position

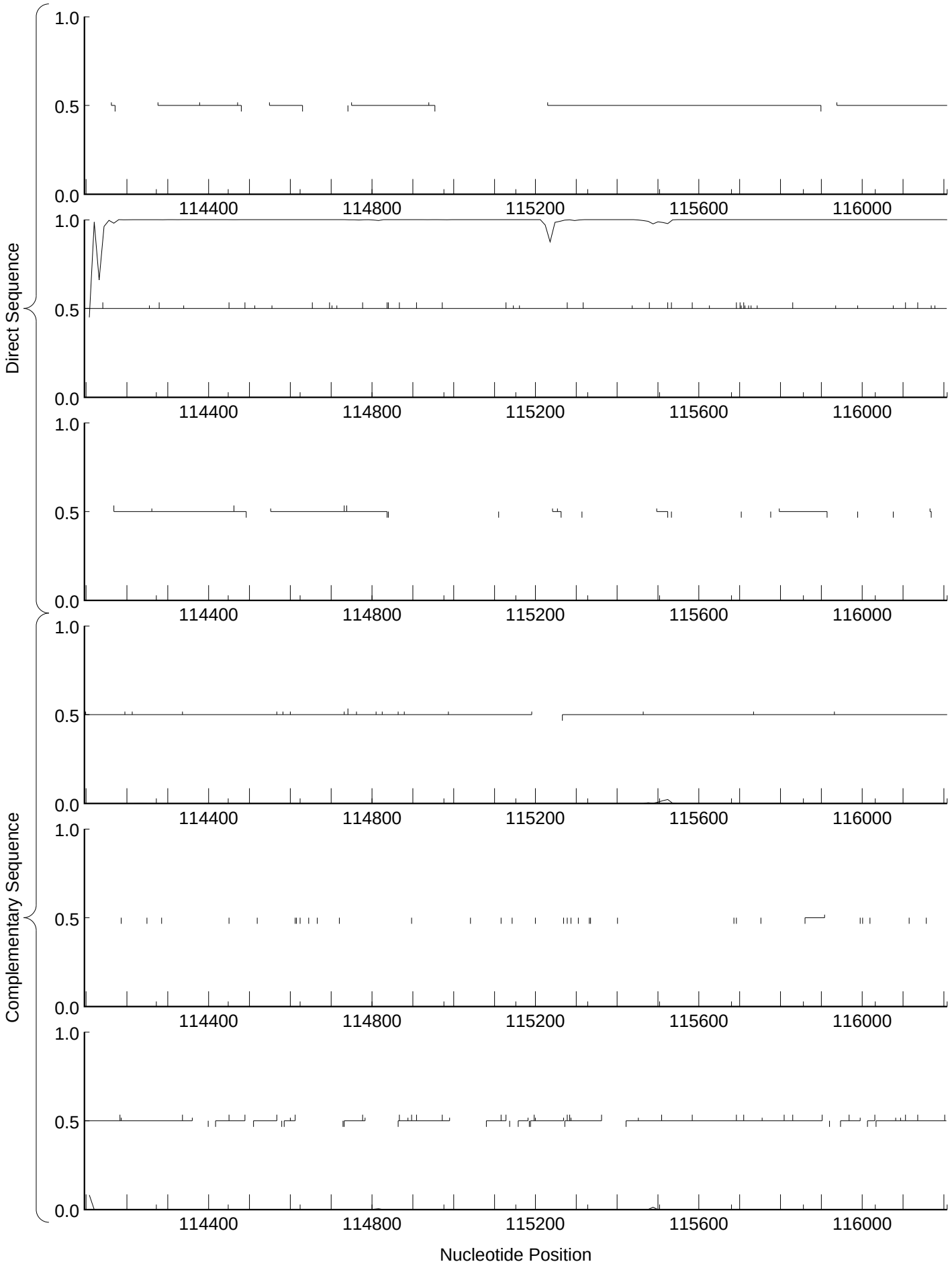

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
106000
106400
106800
107200
107600
Nucleotide Position

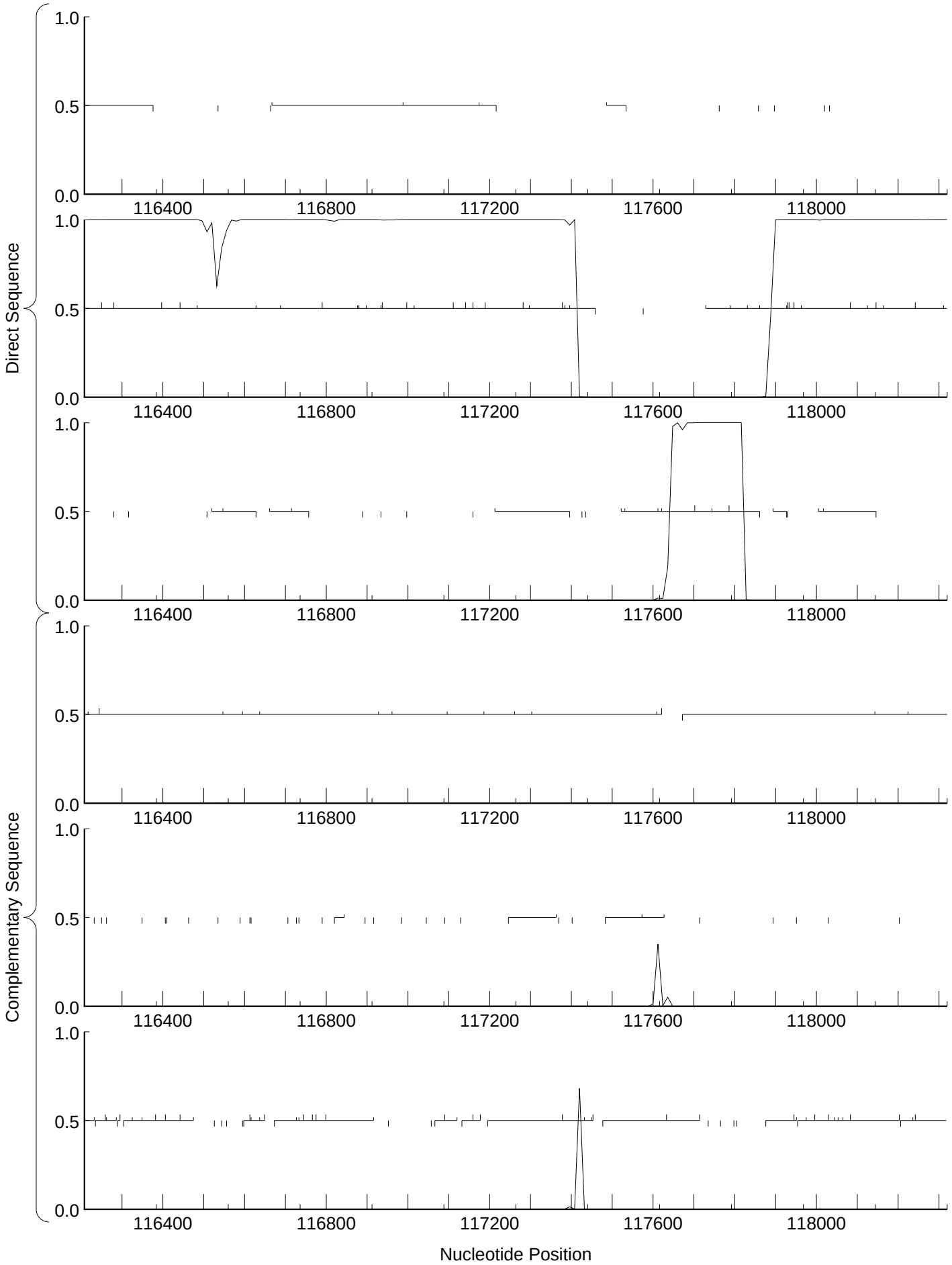

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
108000
108400
108800
109200
109600
Nucleotide Position


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
110000
110400
110800
111200
111600
Nucleotide Position

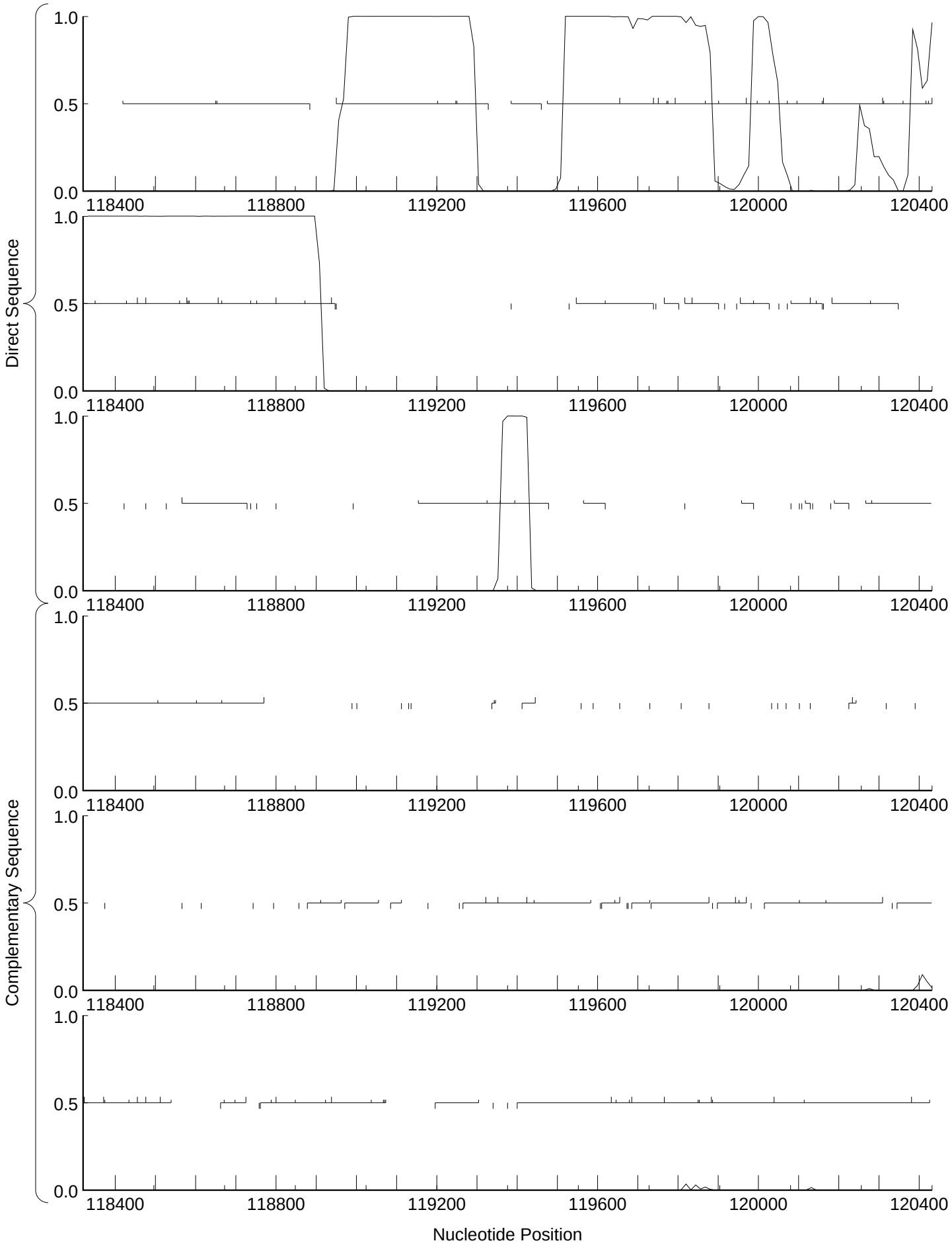
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 55/76

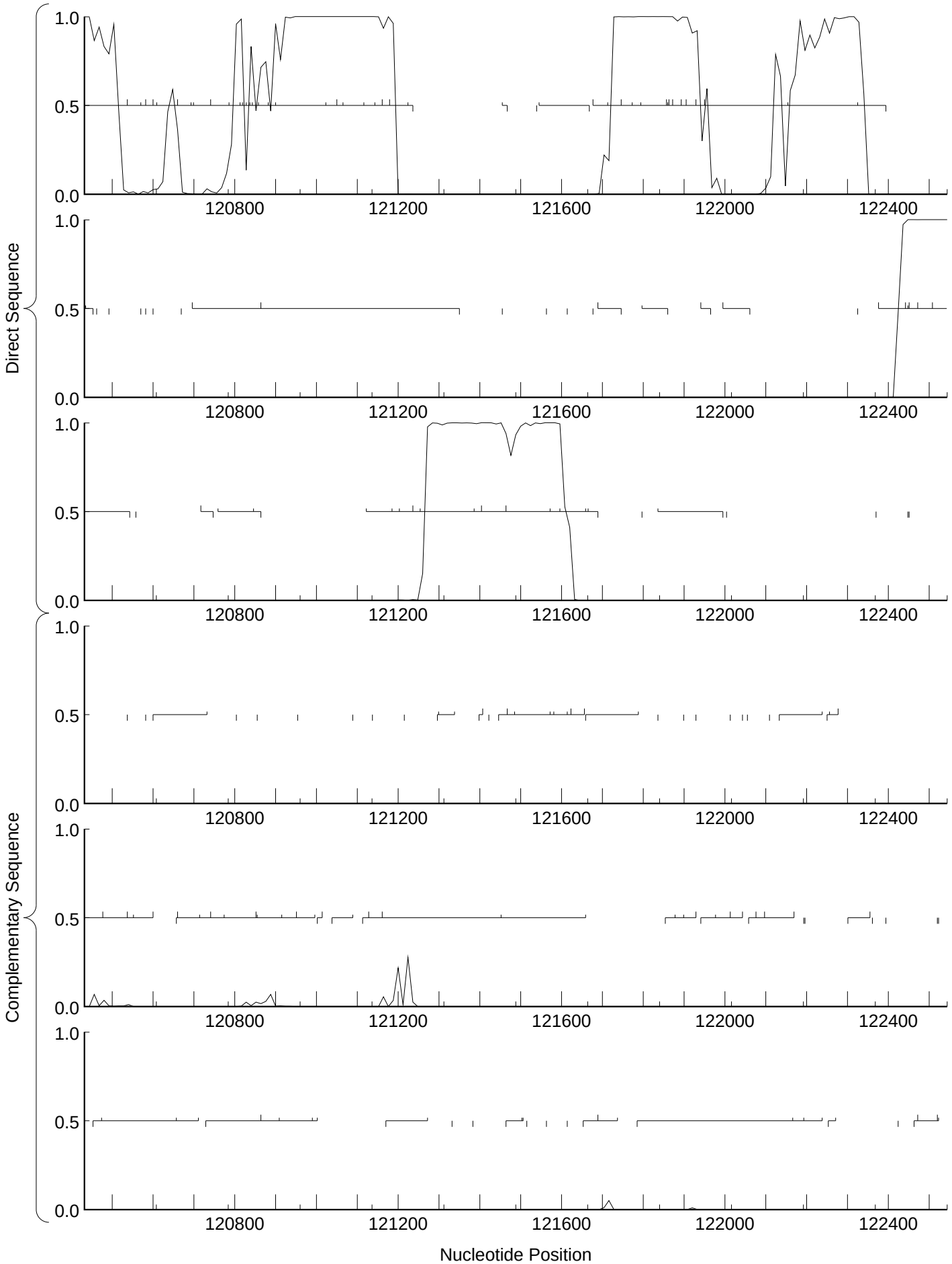


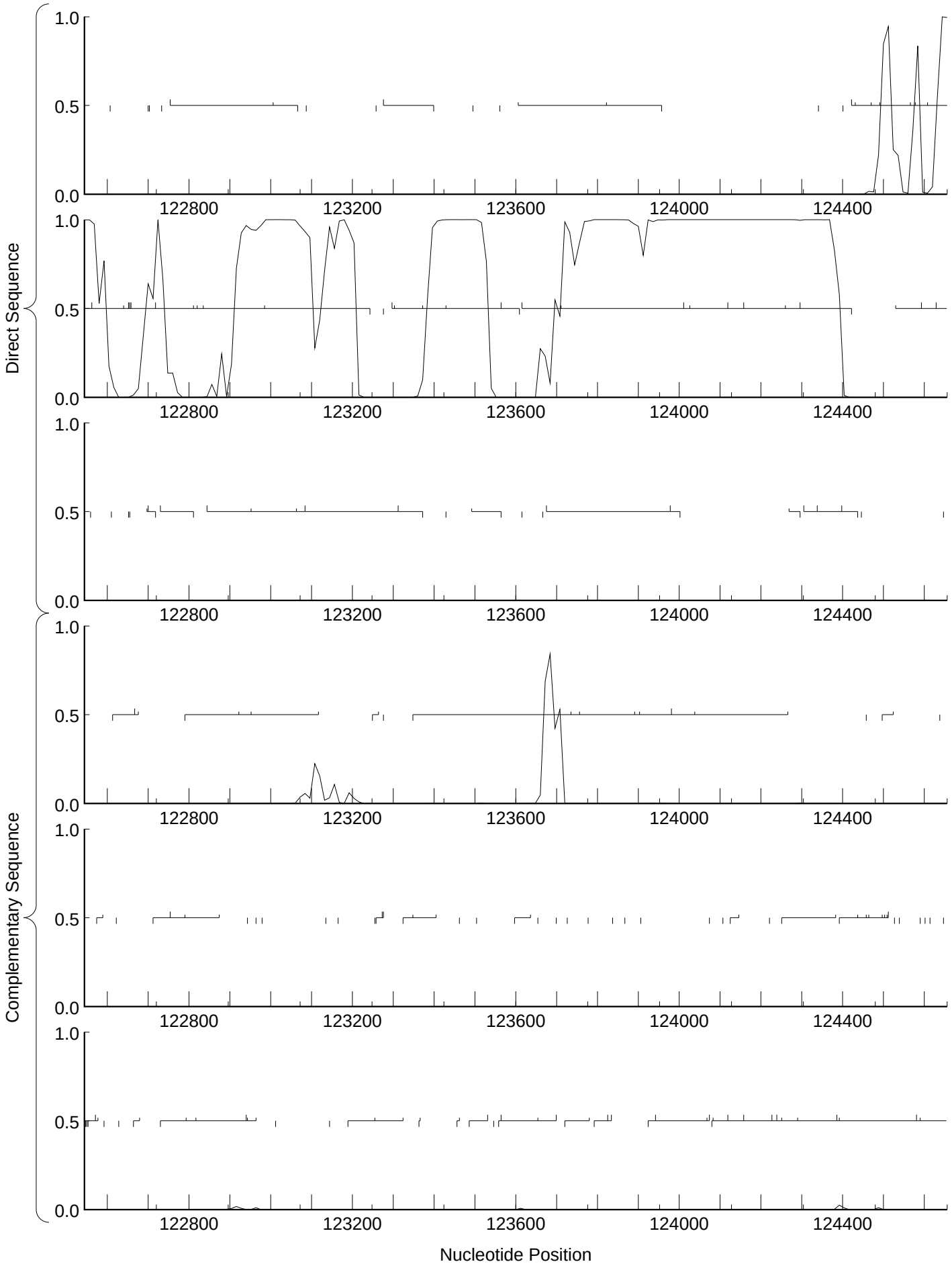

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
114400
114800
115200
115600
116000
Nucleotide Position

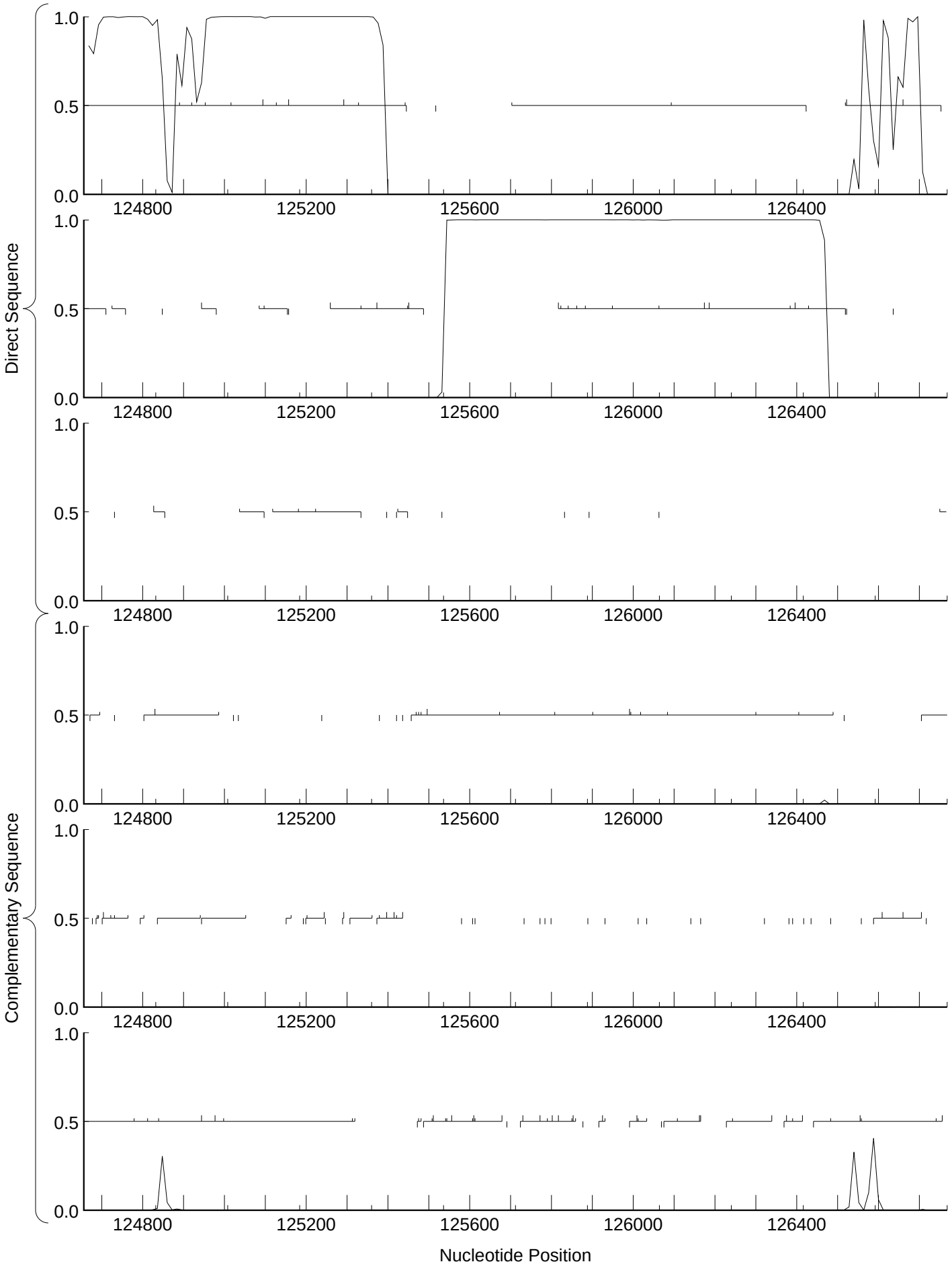

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
116400
116800
117200
117600
118000
Nucleotide Position

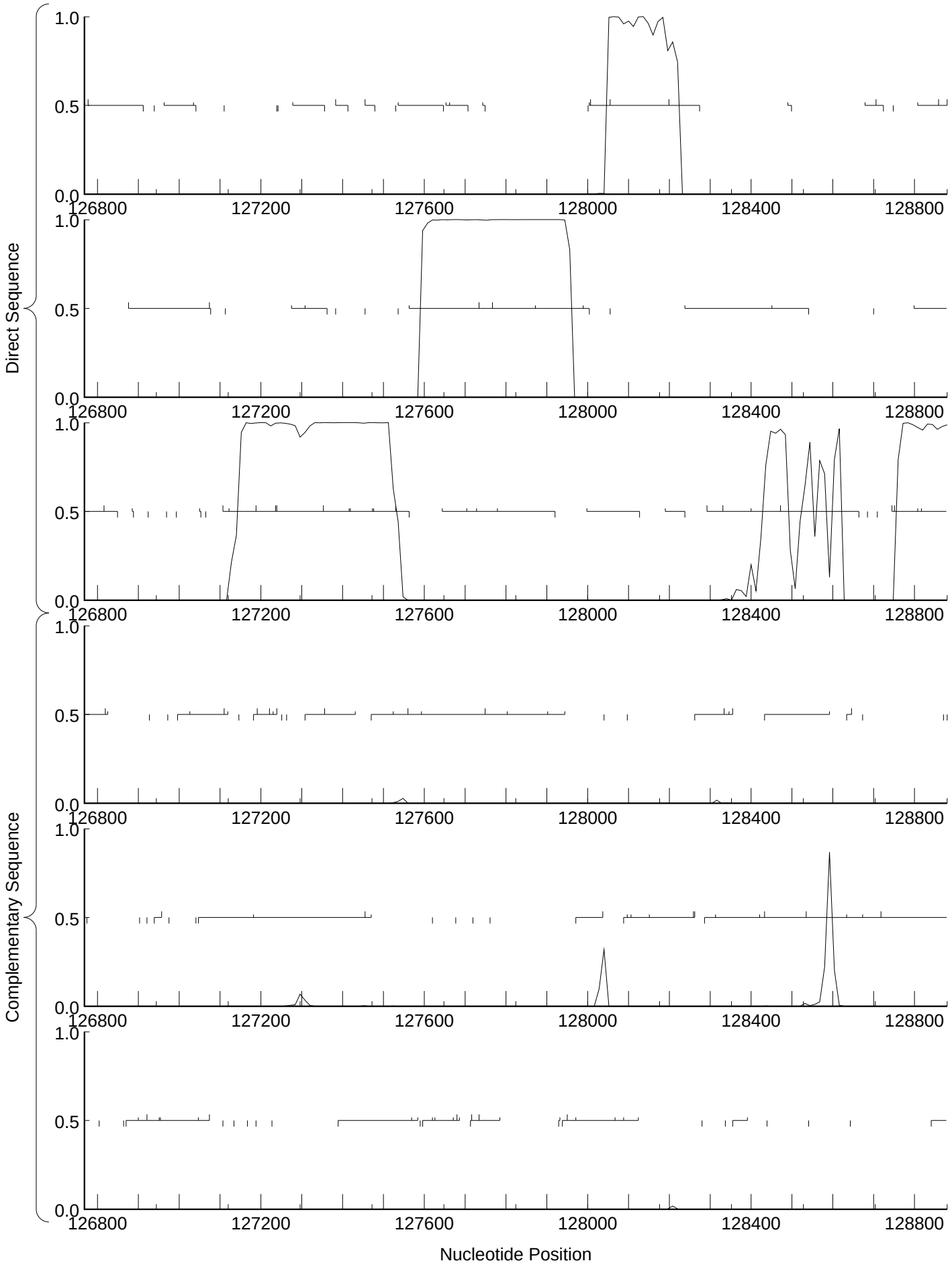
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 58/76

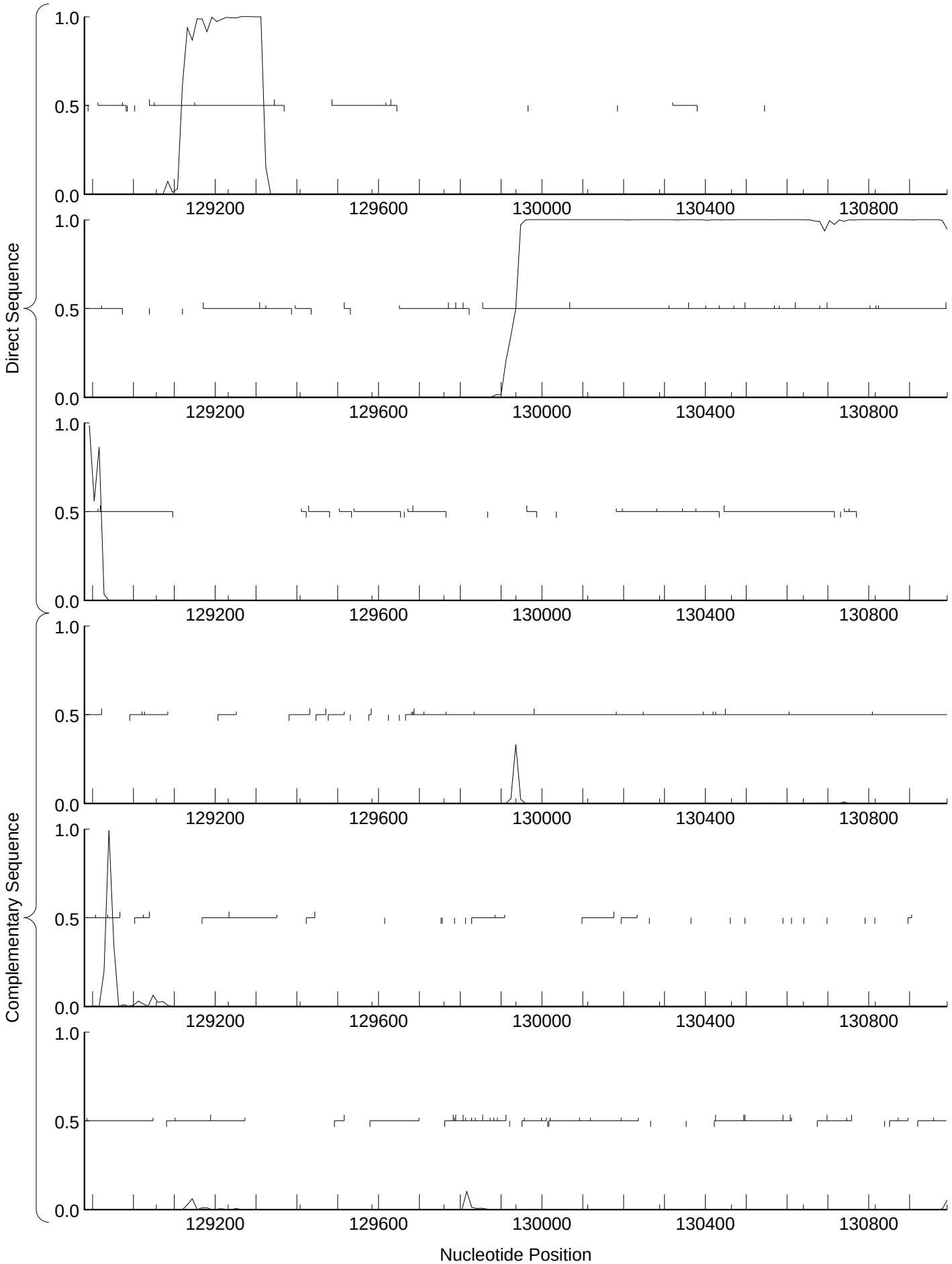


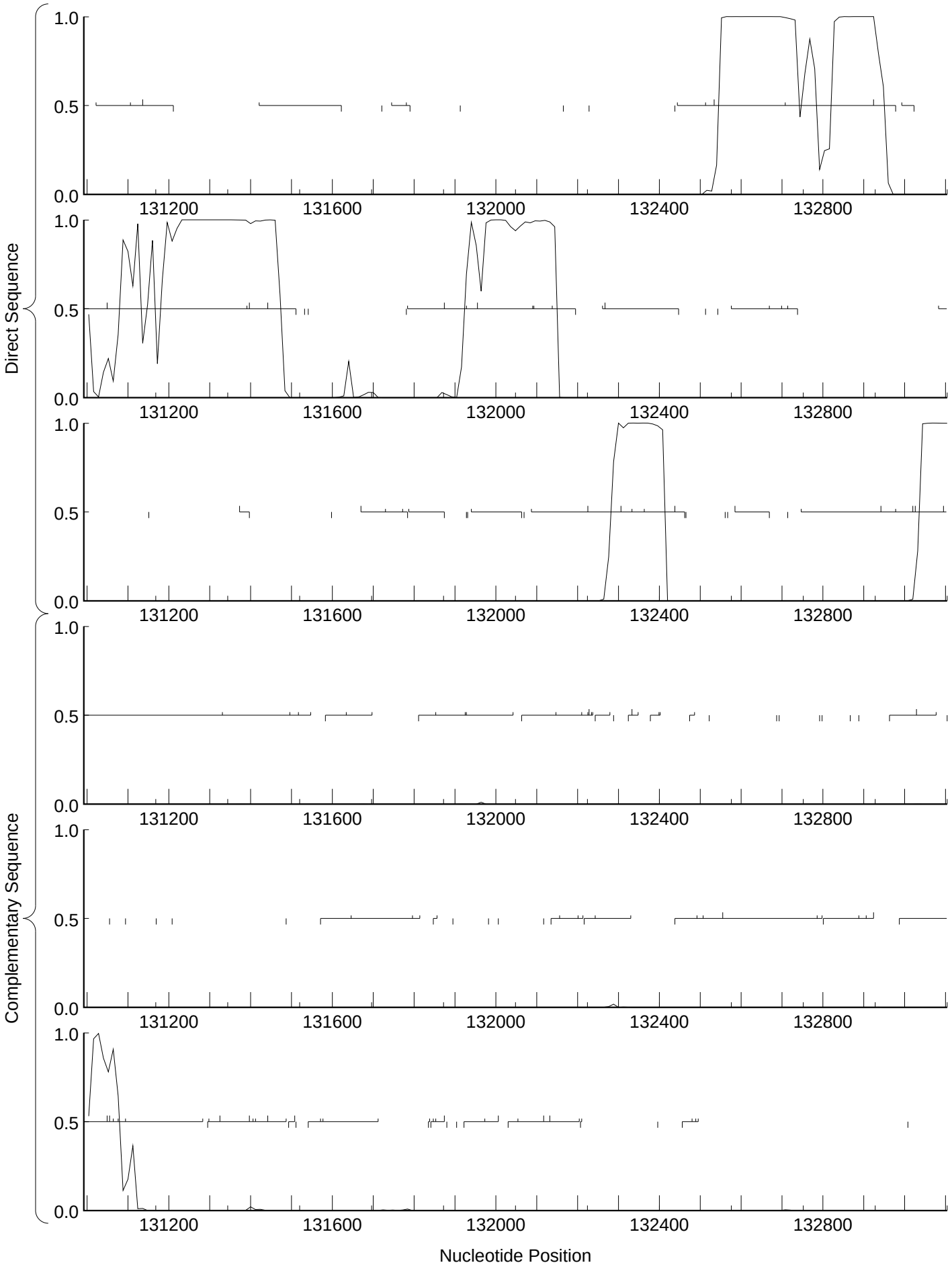

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
120800
121200
121600
122000
122400
Nucleotide Position


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
122800
123200
123600
124000
124400
Nucleotide Position

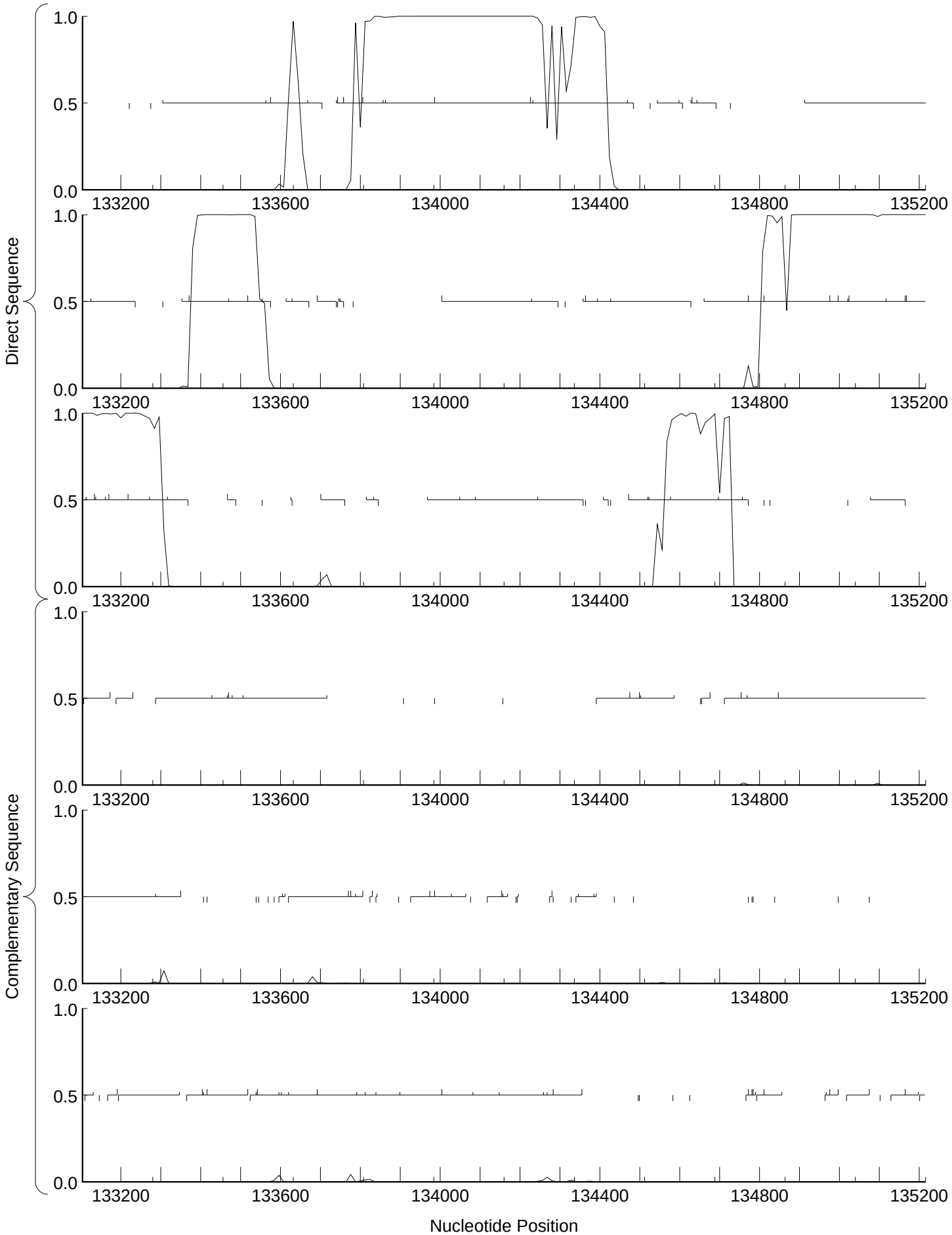

Direct Sequence
Complementary Sequence
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0.5
0.0
124800
125200
125600
126000
126400
Nucleotide Position

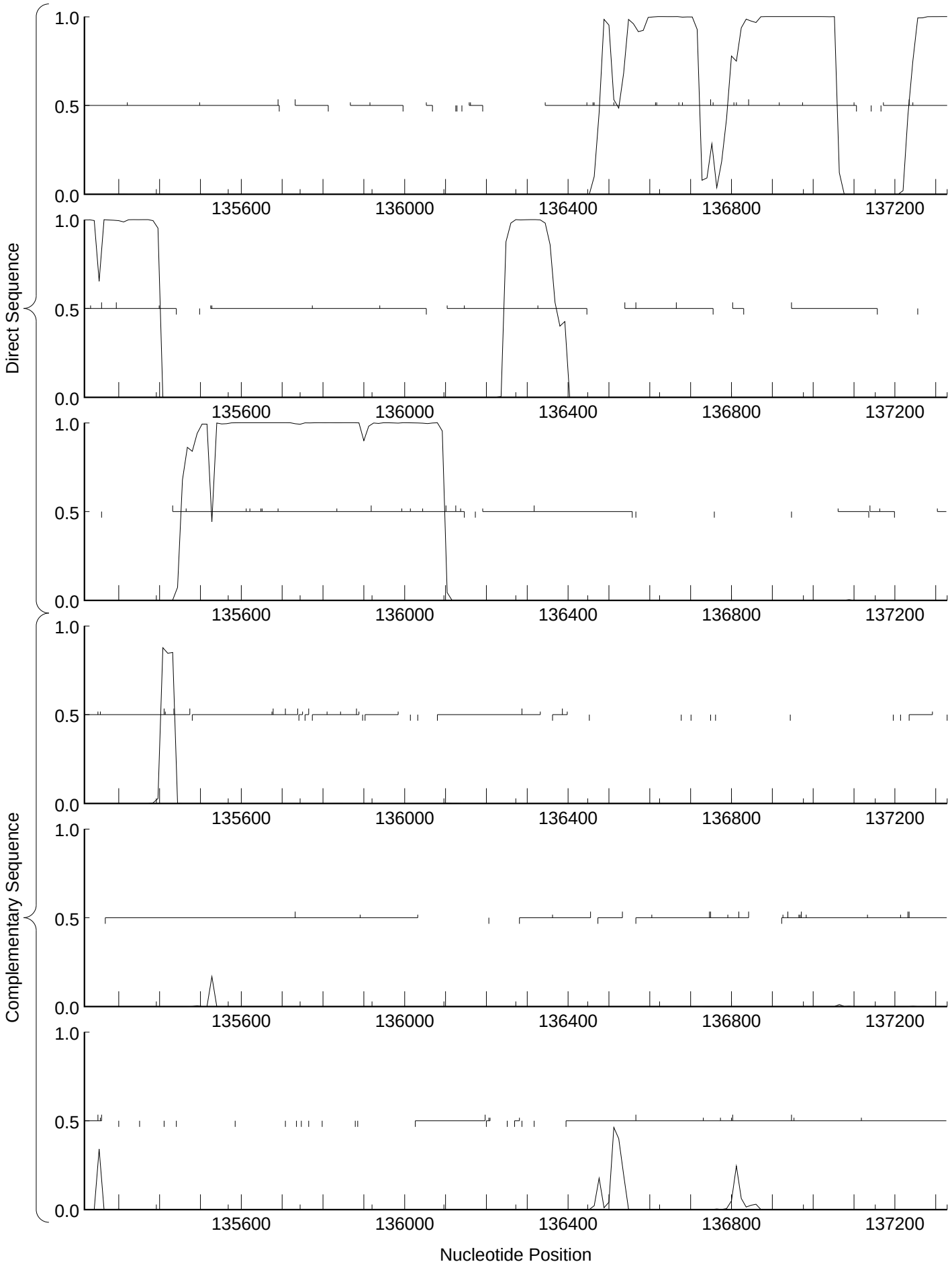

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
126800
127200
127600
128000
128400
128800
Nucleotide Position

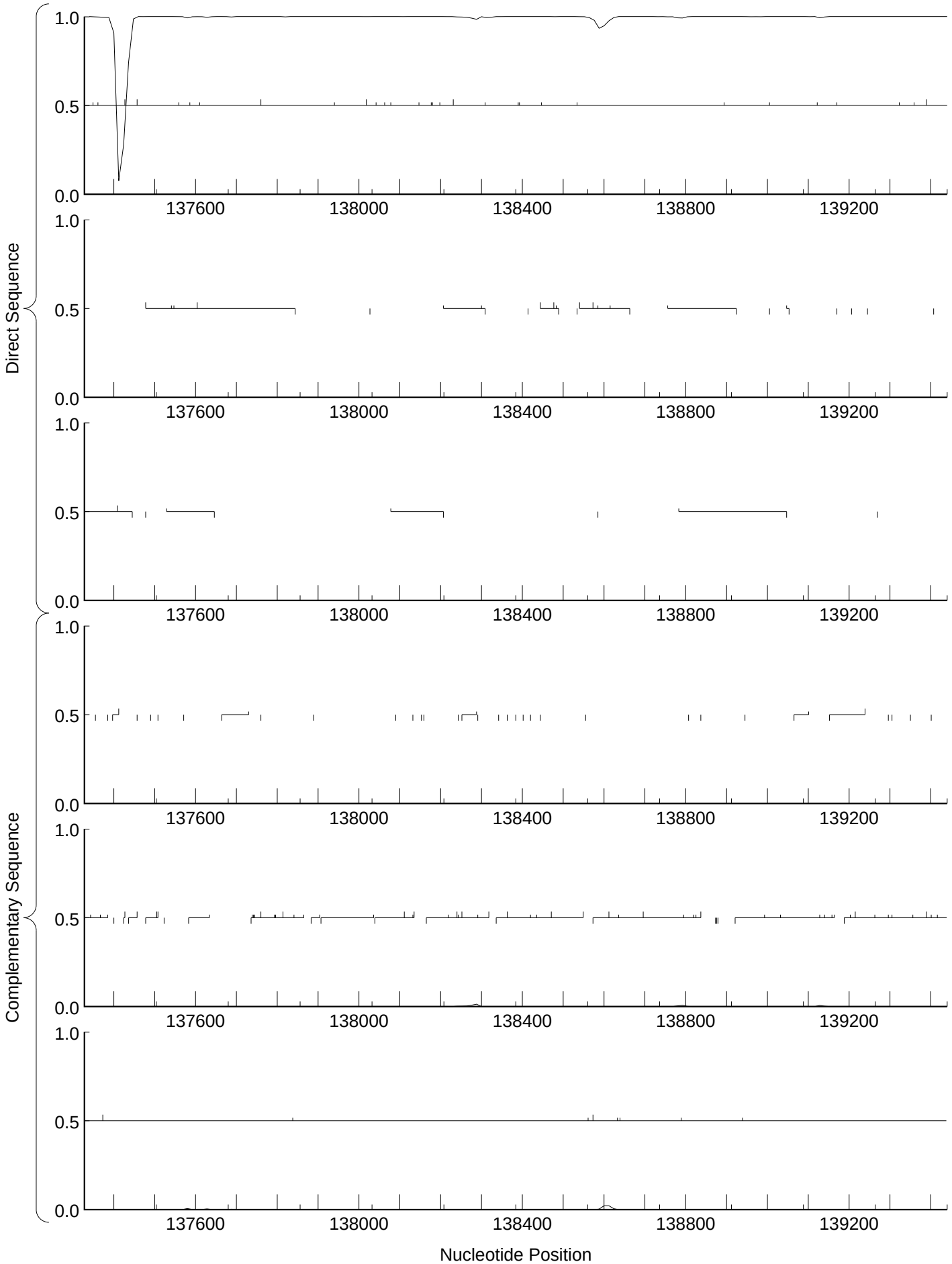

Direct Sequence
Complementary Sequence
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0.5
0.0
129200
129600
130000
130400
130800
Nucleotide Position

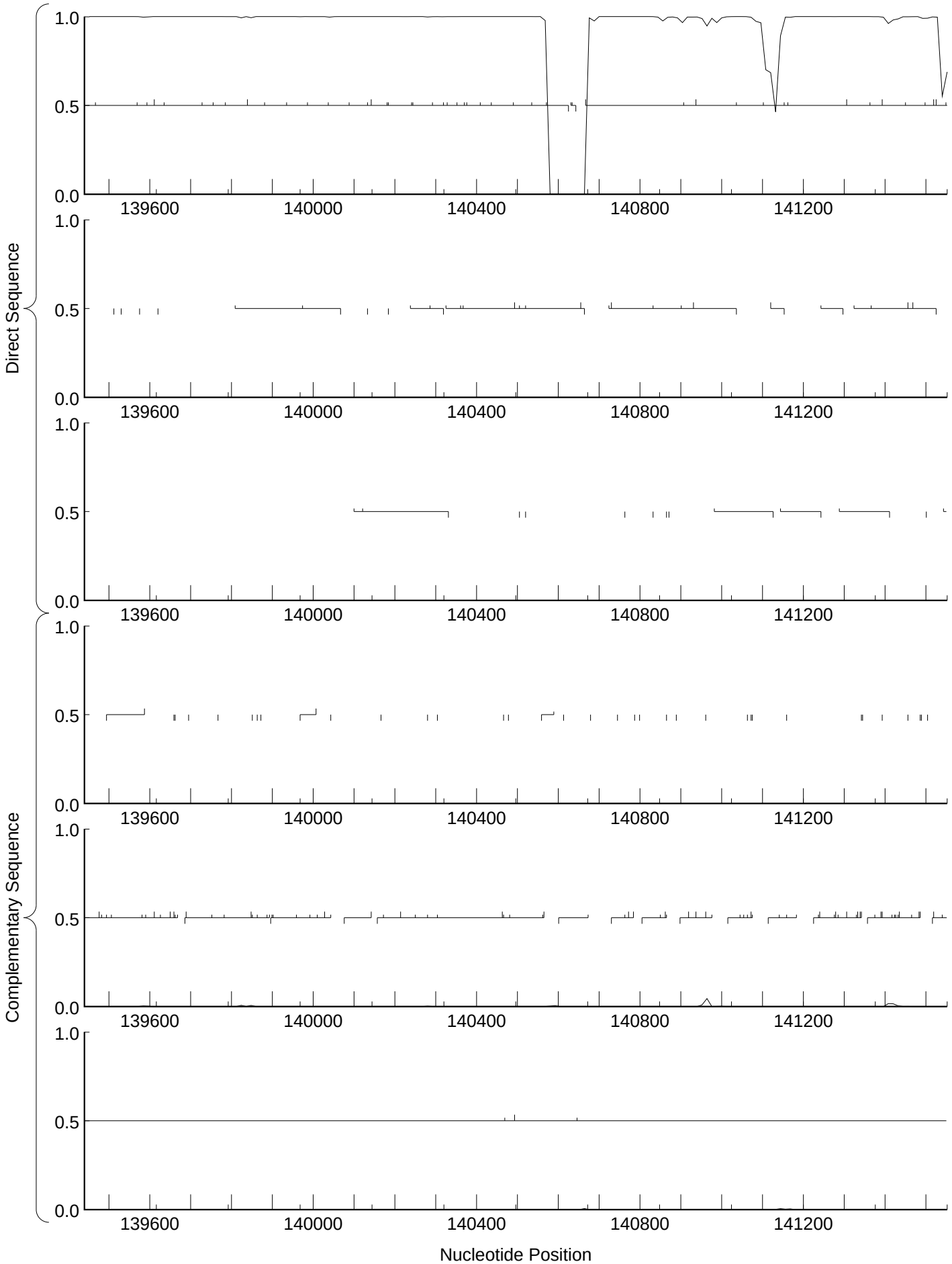

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
131200
131600
132000
132400
132800
Nucleotide Position

bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 65/76

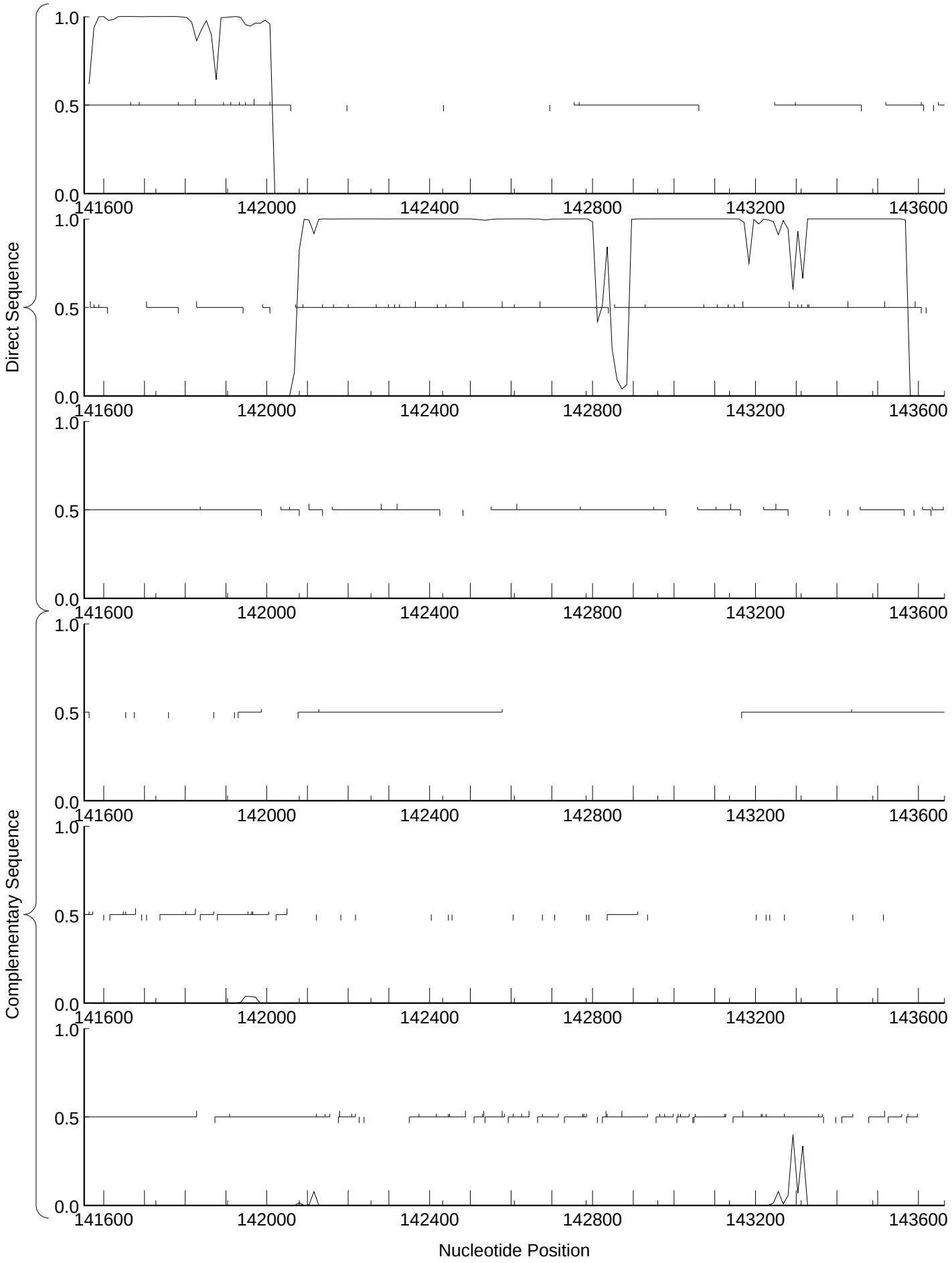


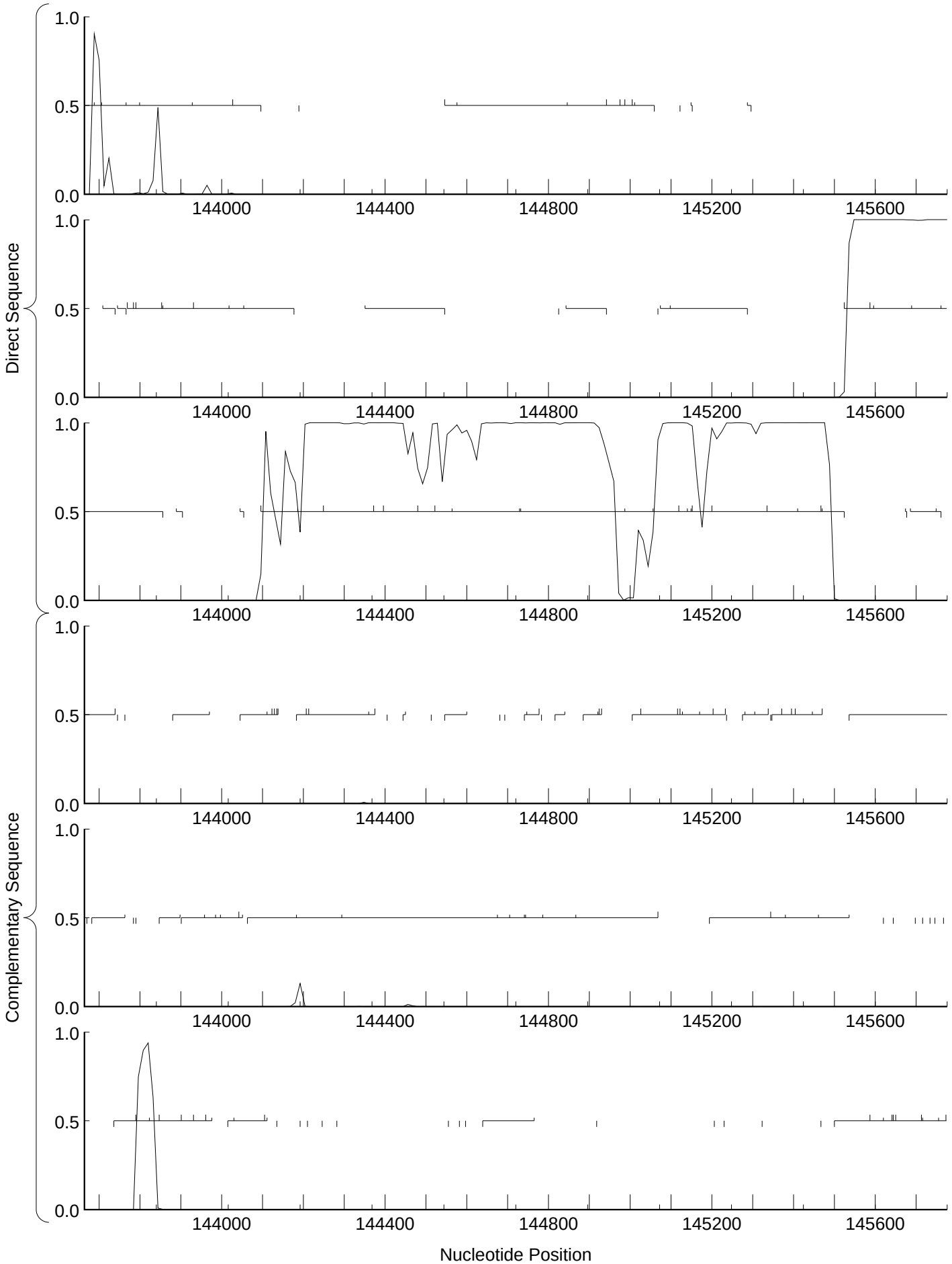

Direct Sequence
Complementary Sequence
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0.5
0.0
135600
136000
136400
136800
137200
Nucleotide Position

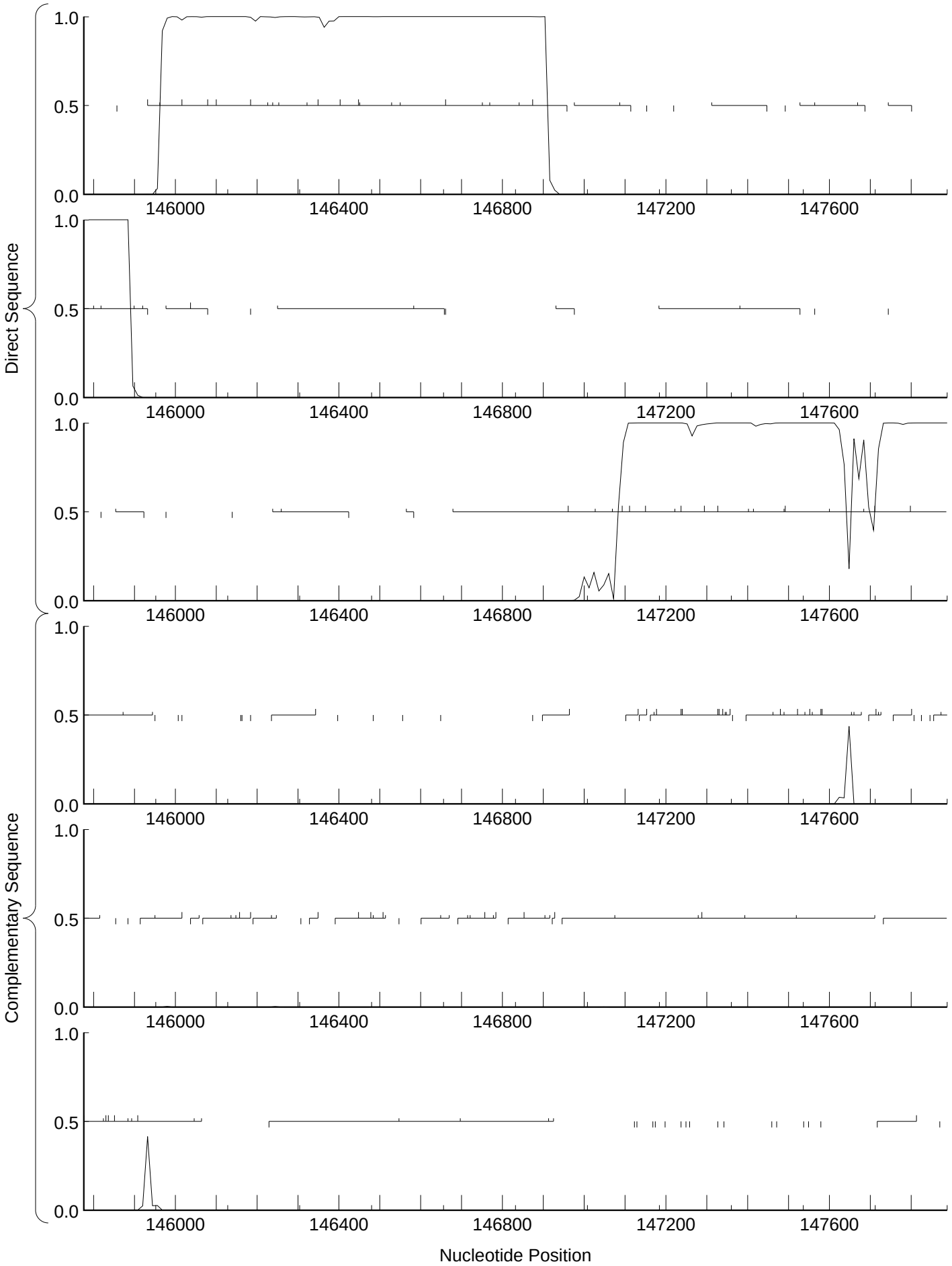

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
137600
138000
138400
138800
139200
Nucleotide Position


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
139600
140000
140400
140800
141200
Nucleotide Position

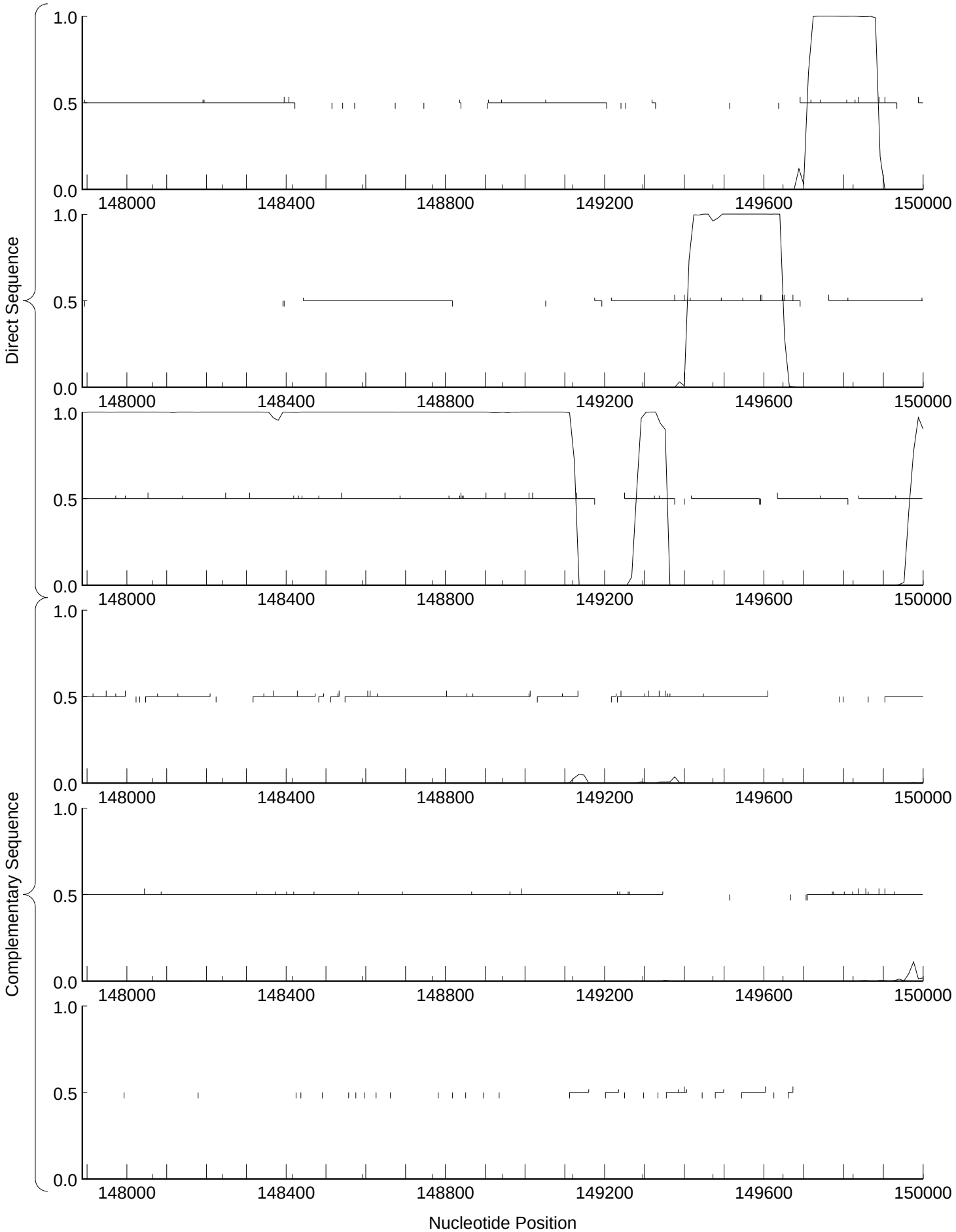
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 69/76

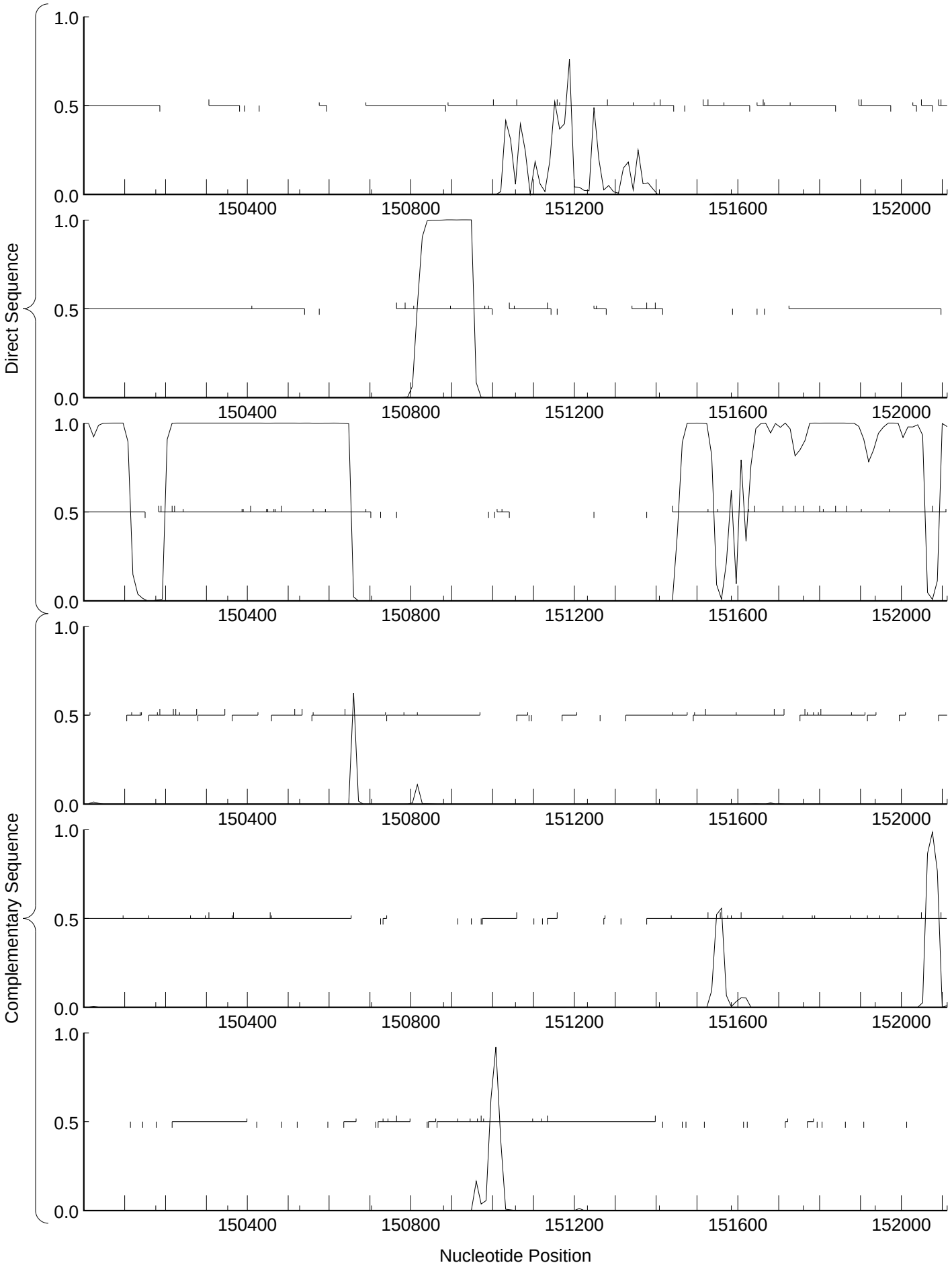


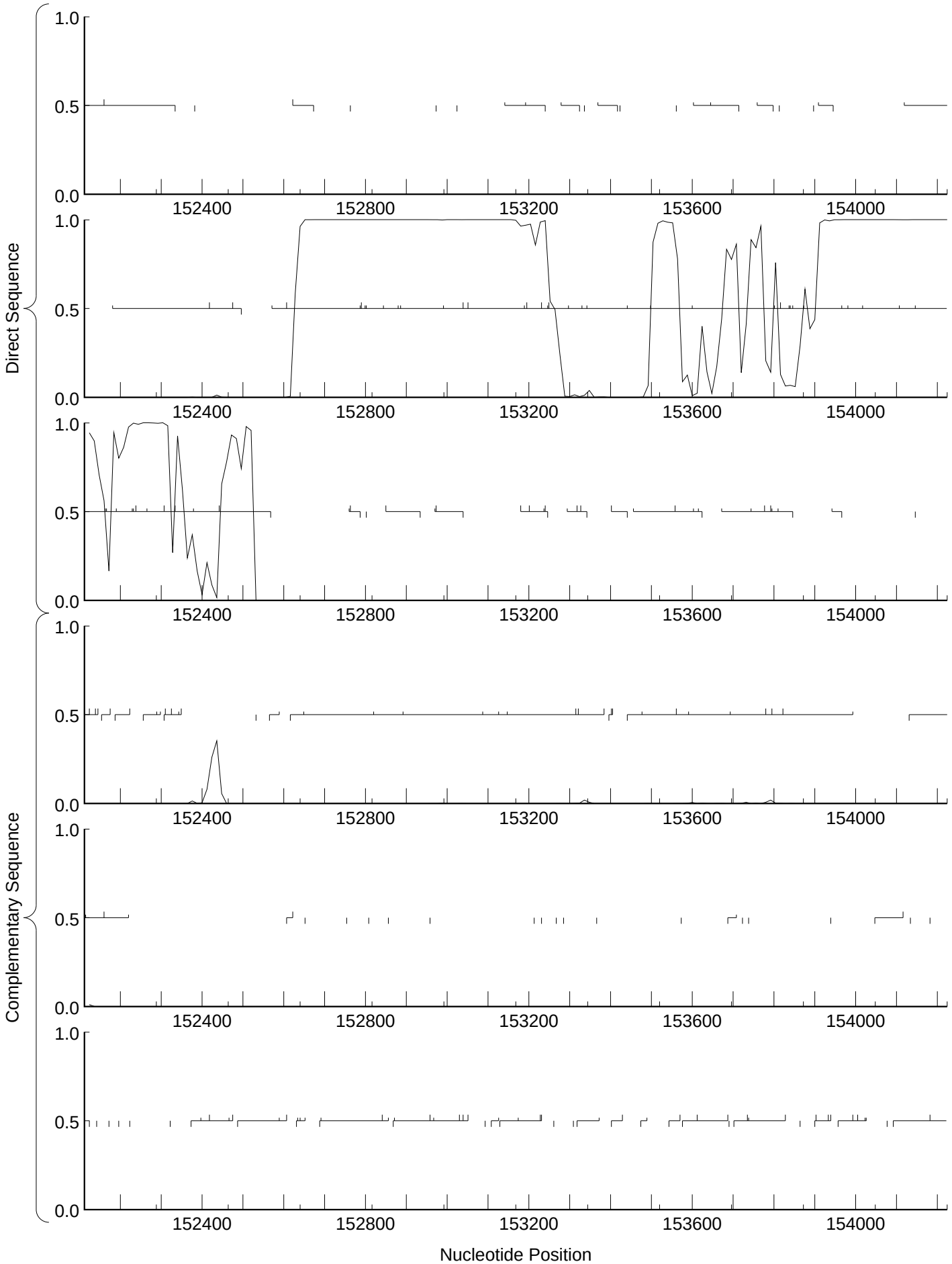

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
144000
144400
144800
145200
145600
Nucleotide Position


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
146000
146400
146800
147200
147600
Nucleotide Position

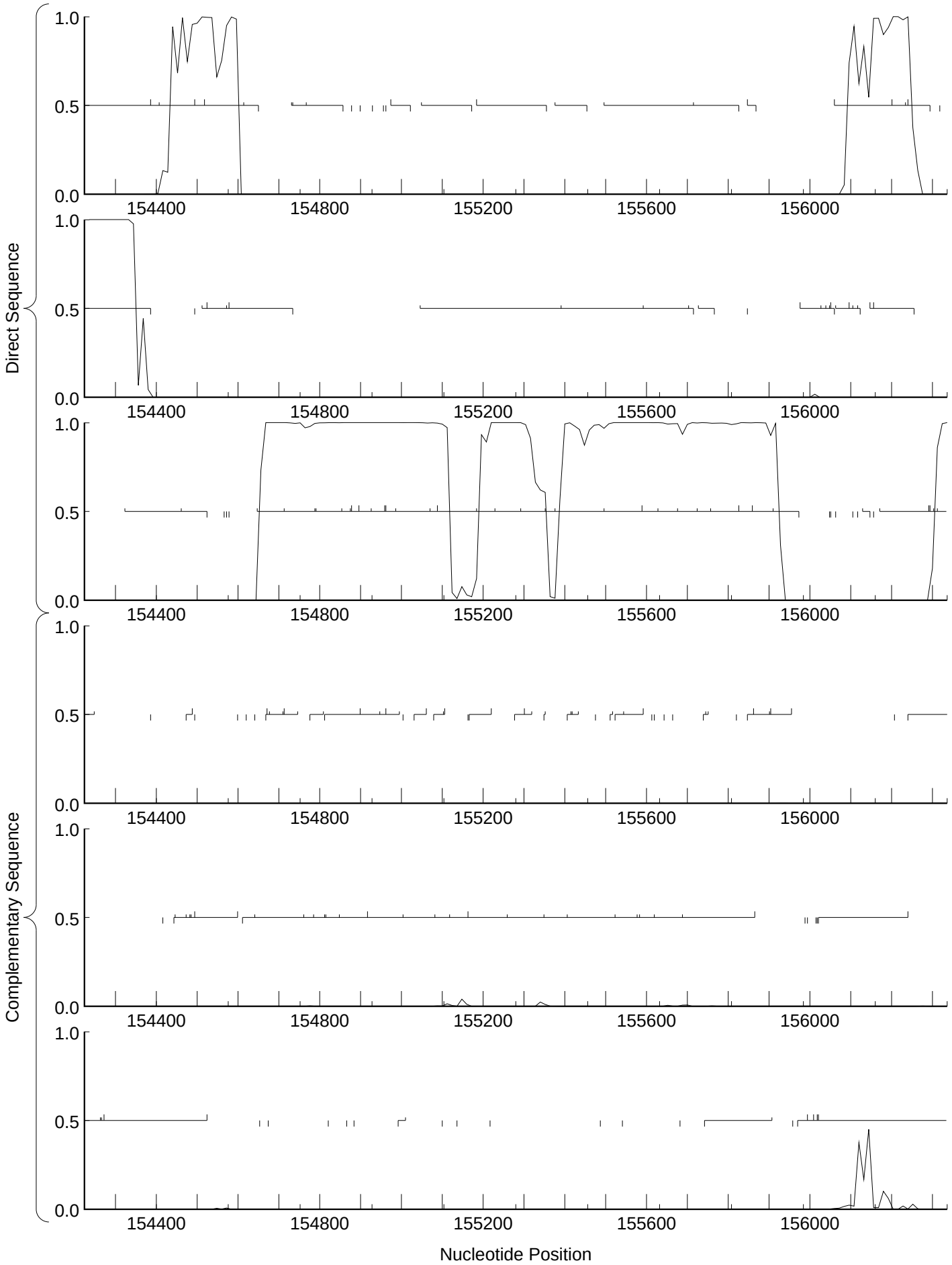
bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 72/76




Direct Sequence
Complementary Sequence
1.0
0.5
0.0
150400
150800
151200
151600
152000
Nucleotide Position


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

bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 75/76



bacterium phage Maby2021 complete sequence, 156908 bp, circularly permuted, Cluster C1, Order 4, Window 96, Step 12, 76/76

