GeneMark

Version 2.5p (09.08.06)

PROGRAM INFORMATION

```
Sequence          :  Streptomyces phage NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat
Analysis Date     :  3/28/24 at 14:47:57
Pages             :  64
Sequence Length   :  131086 bp
GC Content        :   50.25%

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,
```

MATRIX INFORMATION

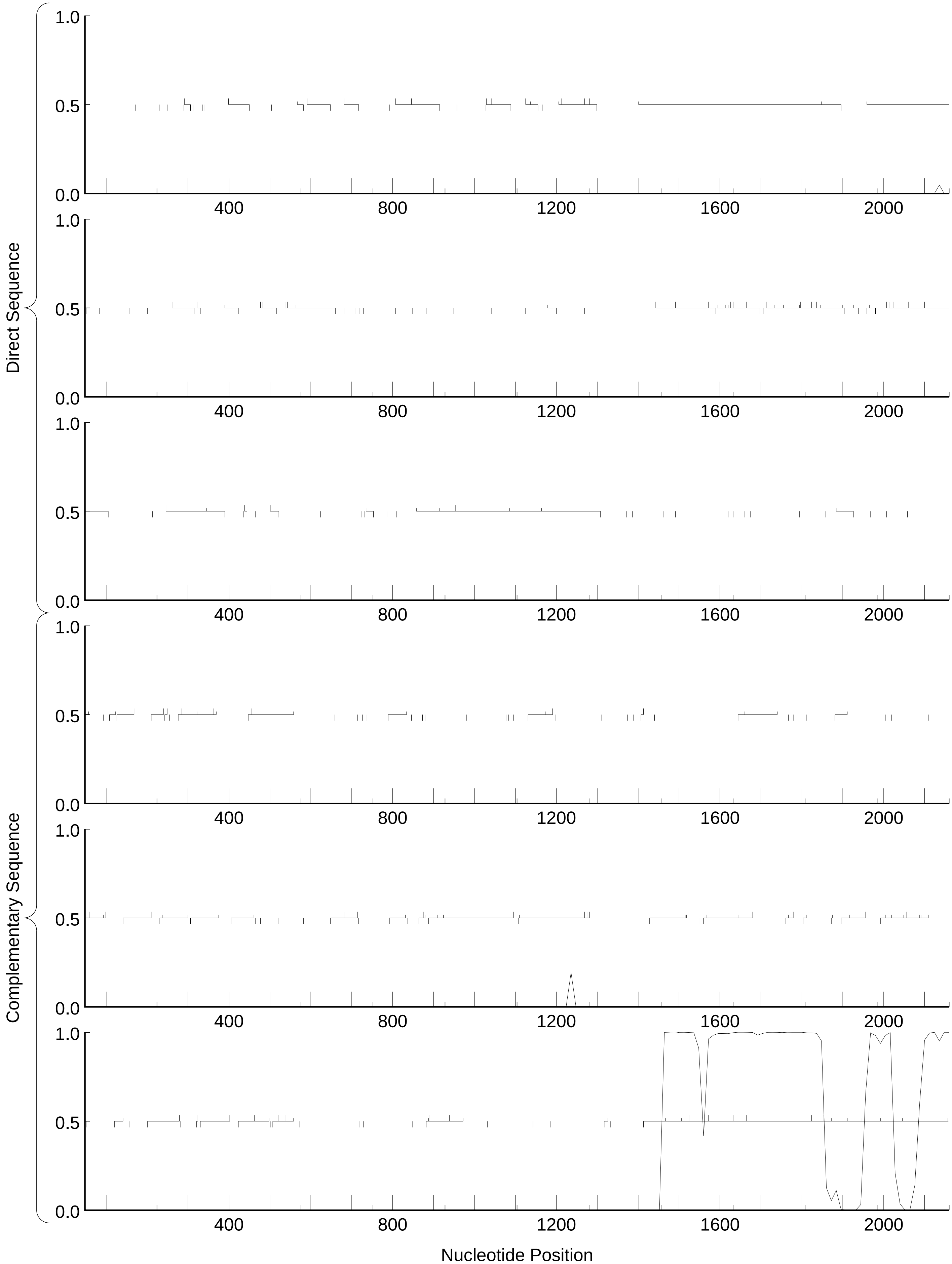
```
Matrix     :  Streptomyces_scabiei_87_22
Author     :  -

Order      :  4
```


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

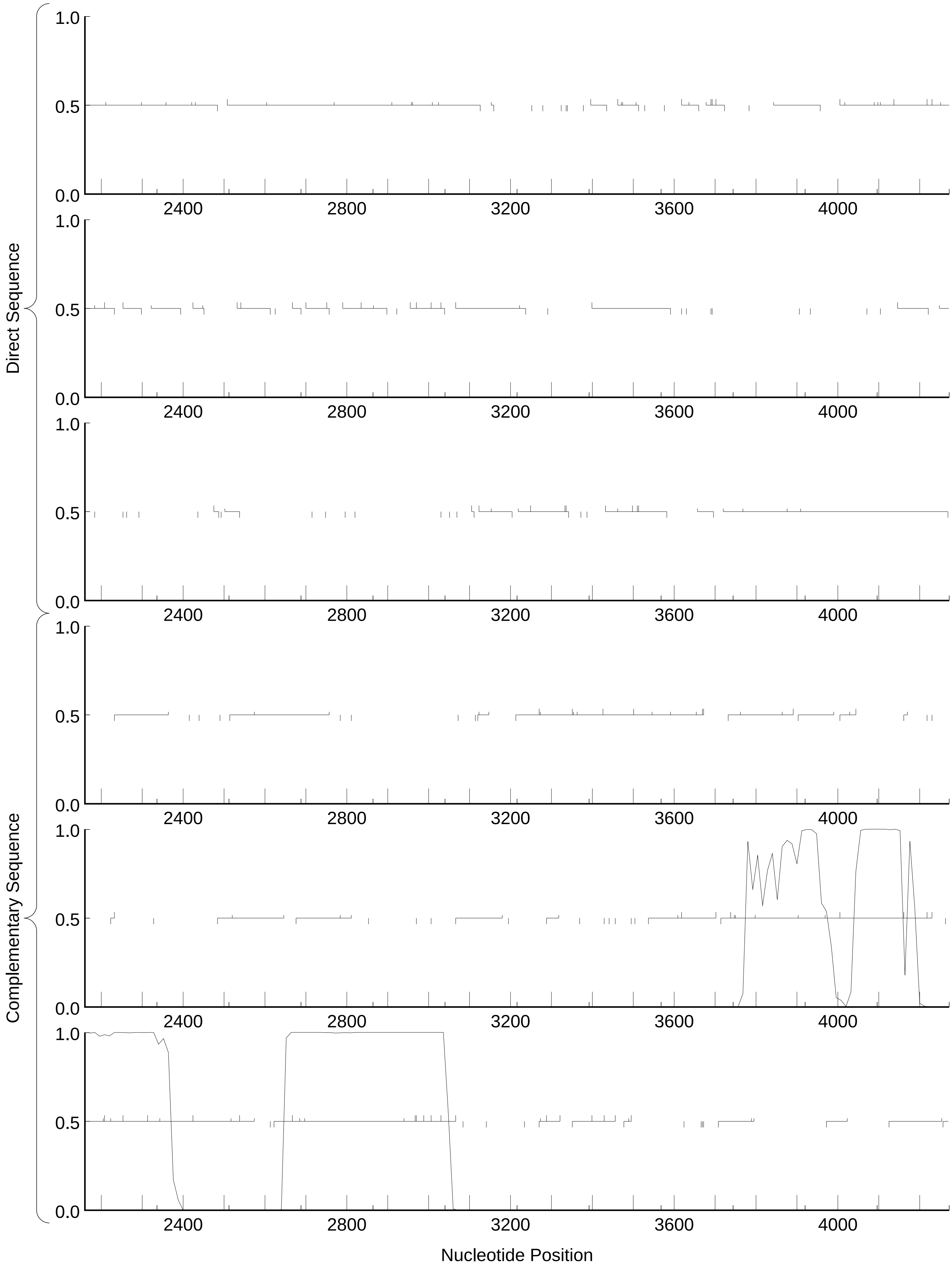
Matrix notes & comments

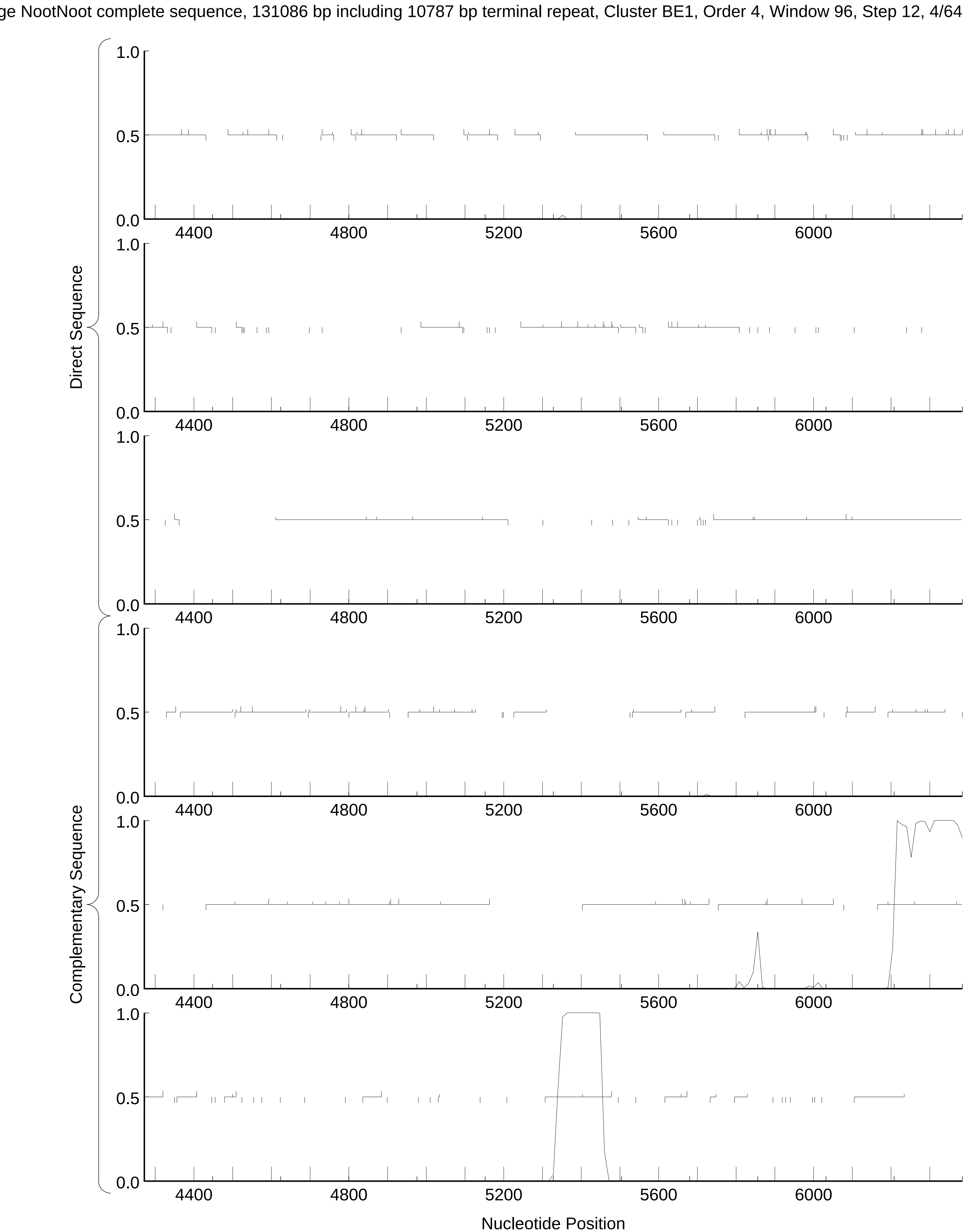
Training set derived by GeneMarkS, 4.27 September 2014
Tue Sep 23 15:43:16 2014

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

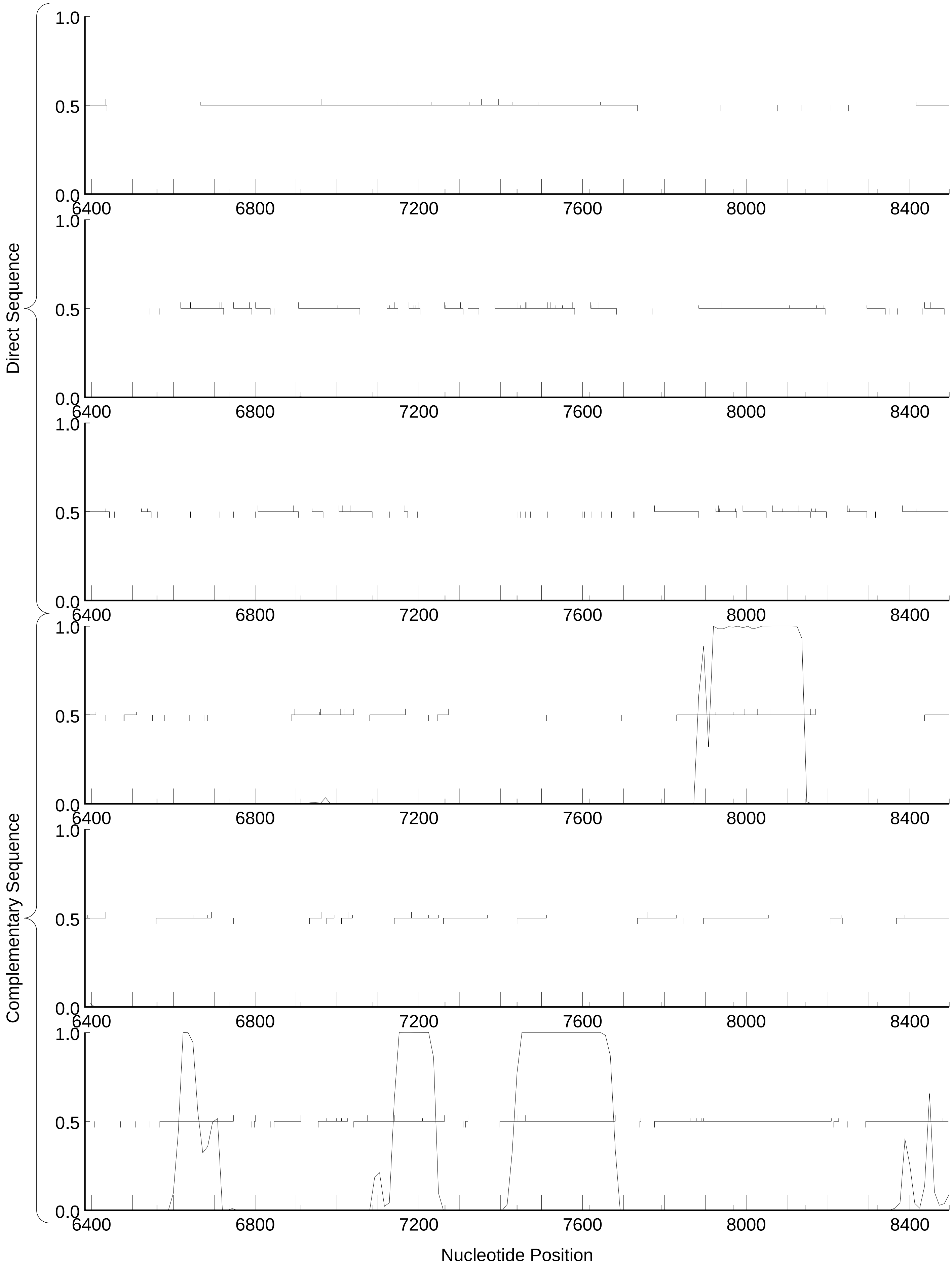

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
400
800
1200
1600
2000
Nucleotide Position

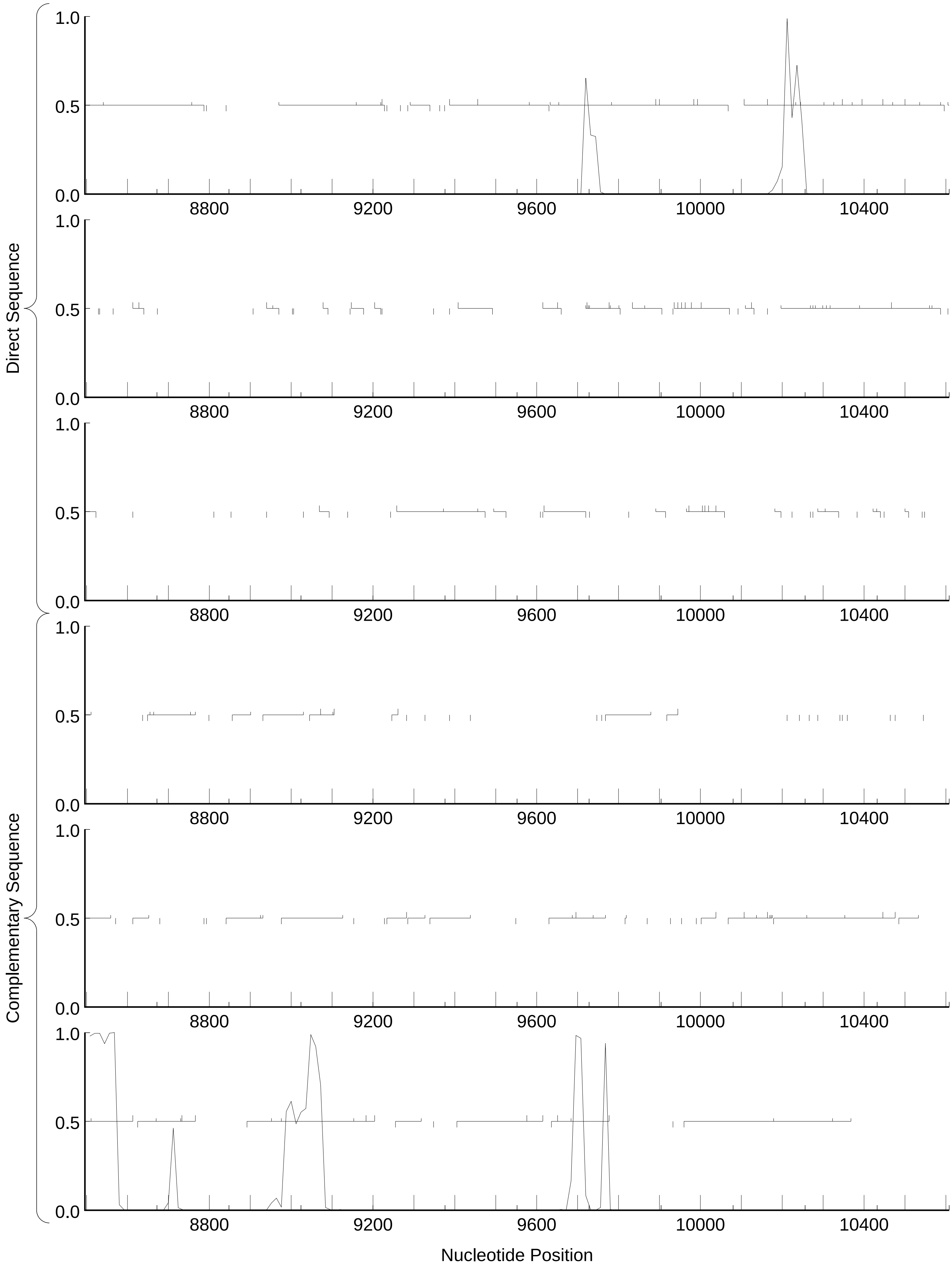
ge NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 3/64



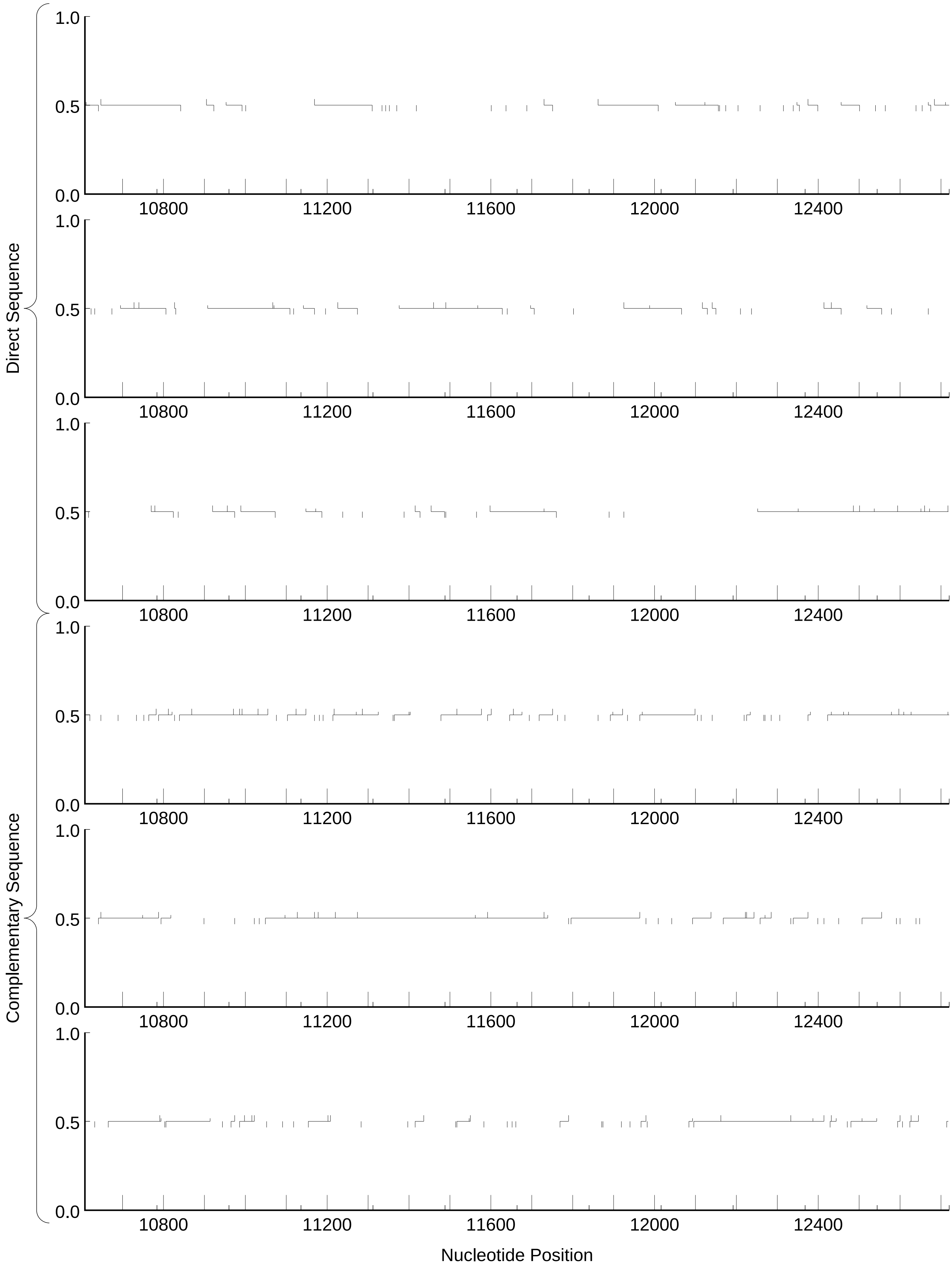

ge NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 4/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
4400
4800
5200
5600
6000
Nucleotide Position

ge NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 5/64

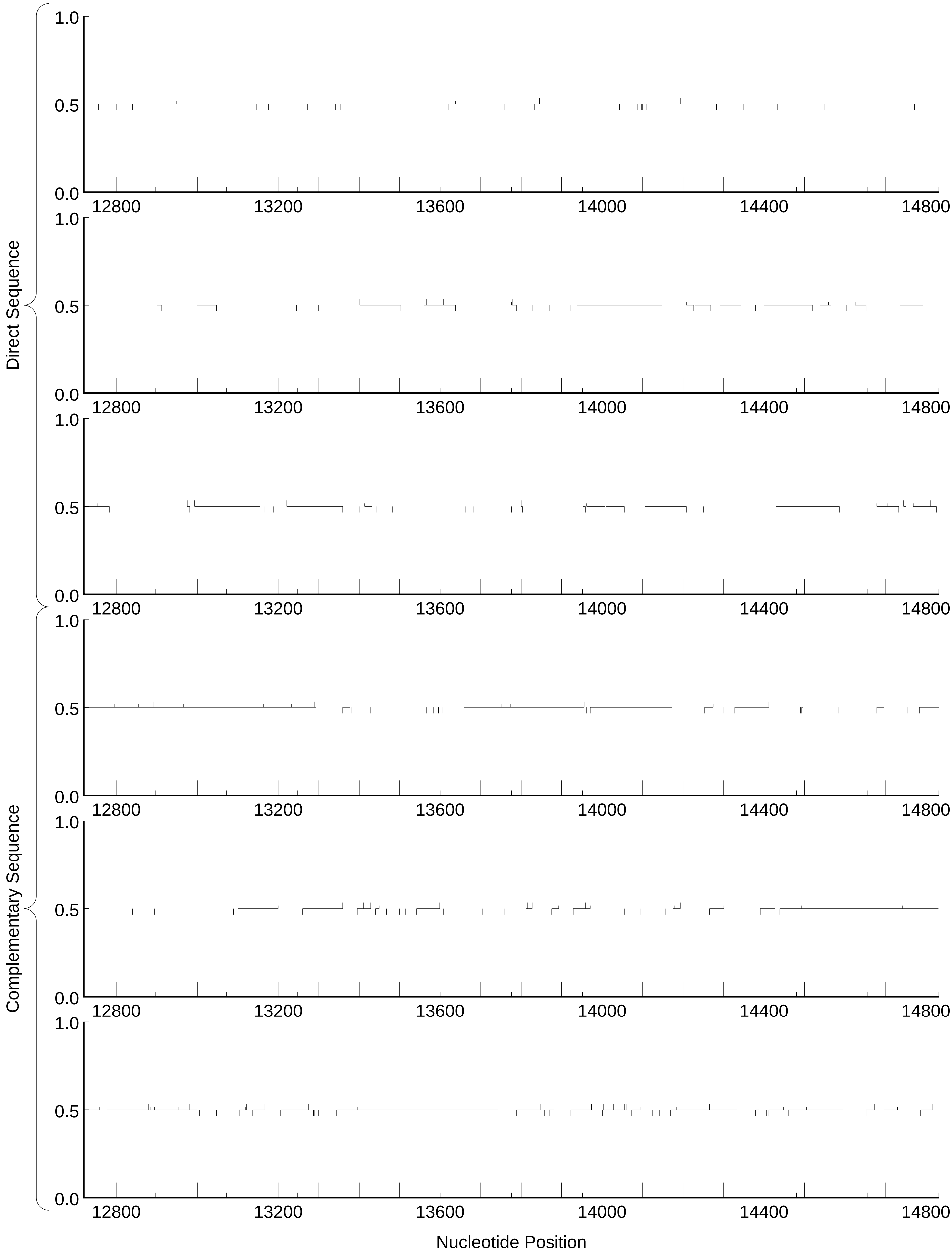


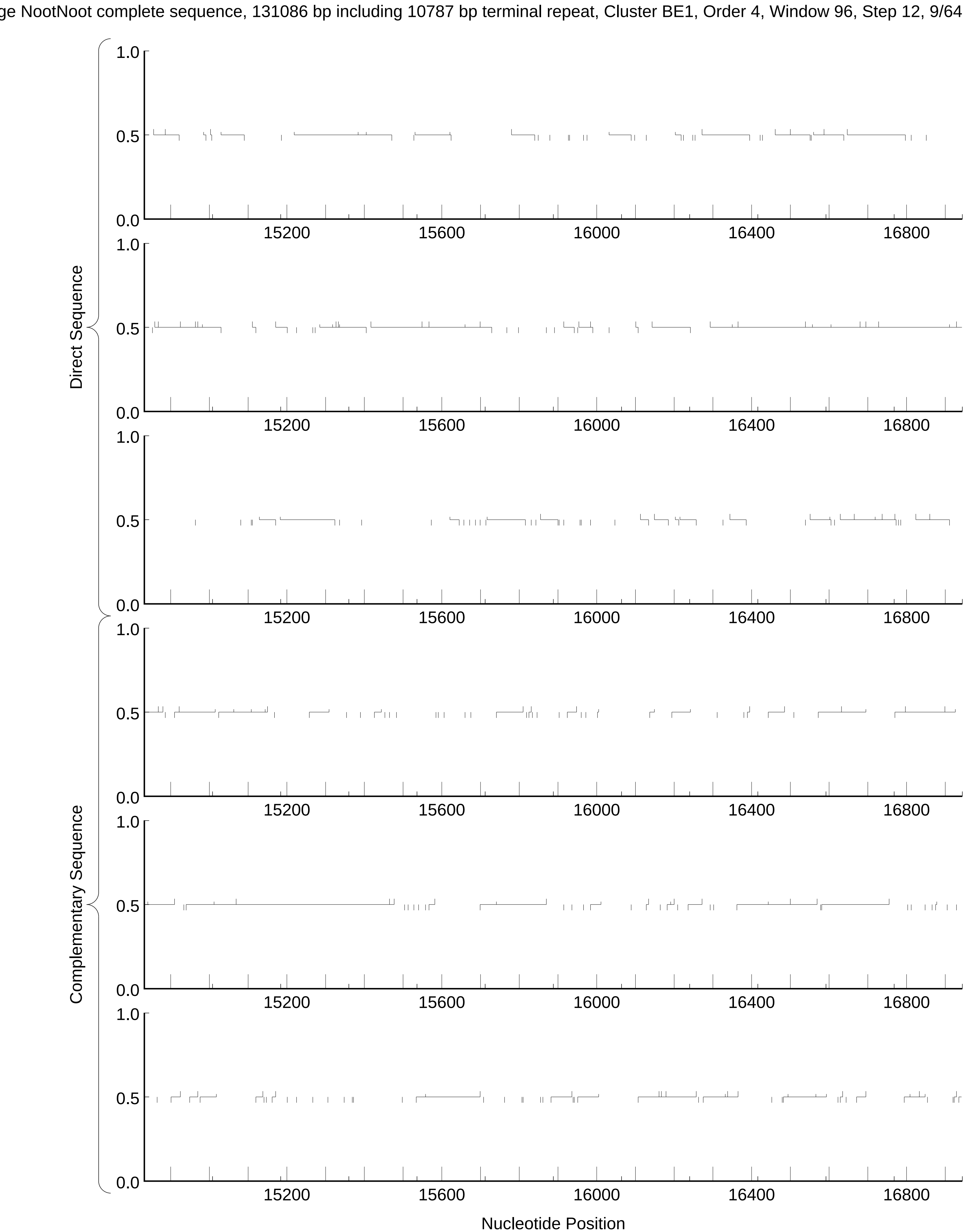

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
8800
9200
9600
10000
10400
Nucleotide Position

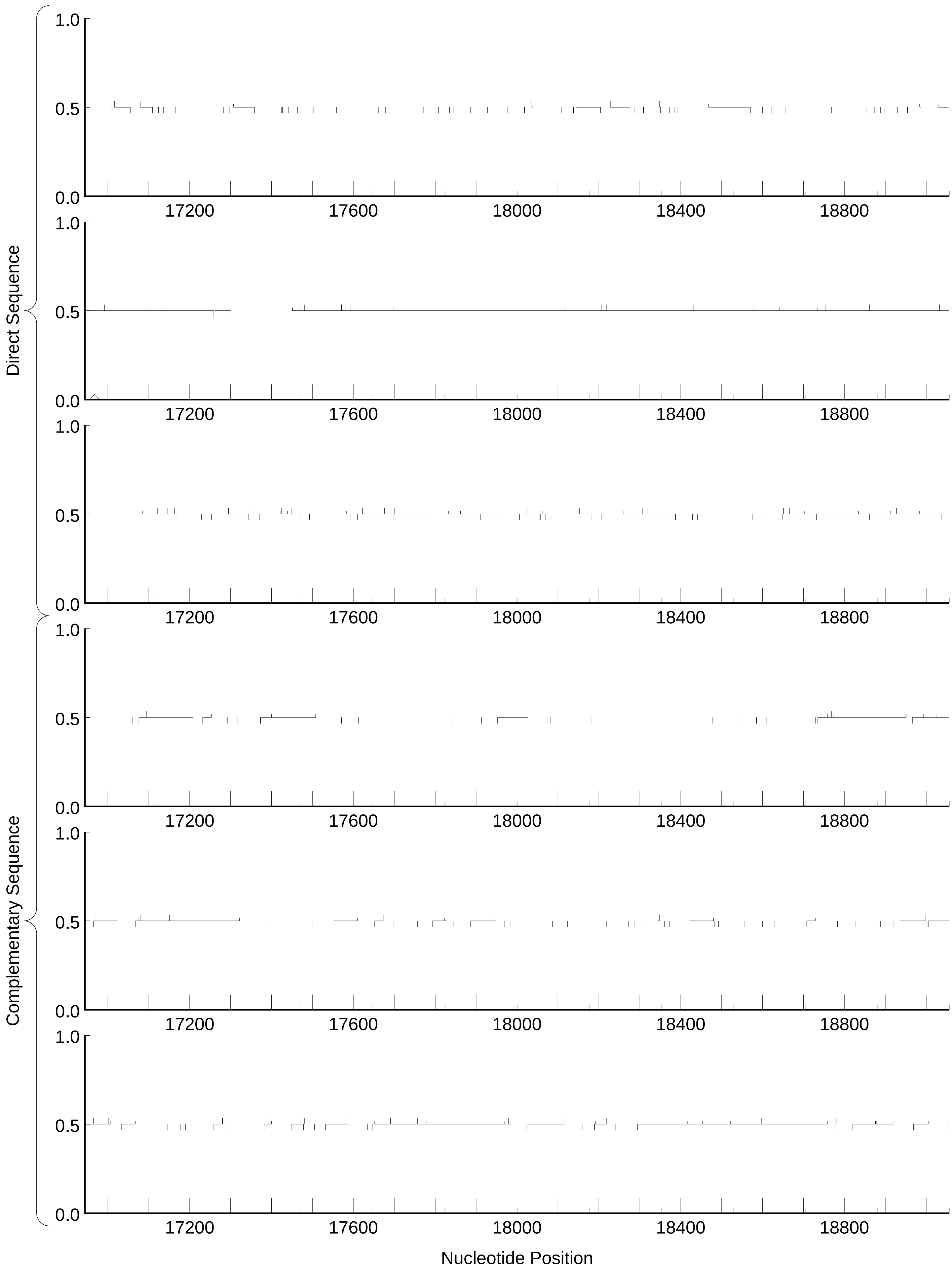
ge NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 7/64



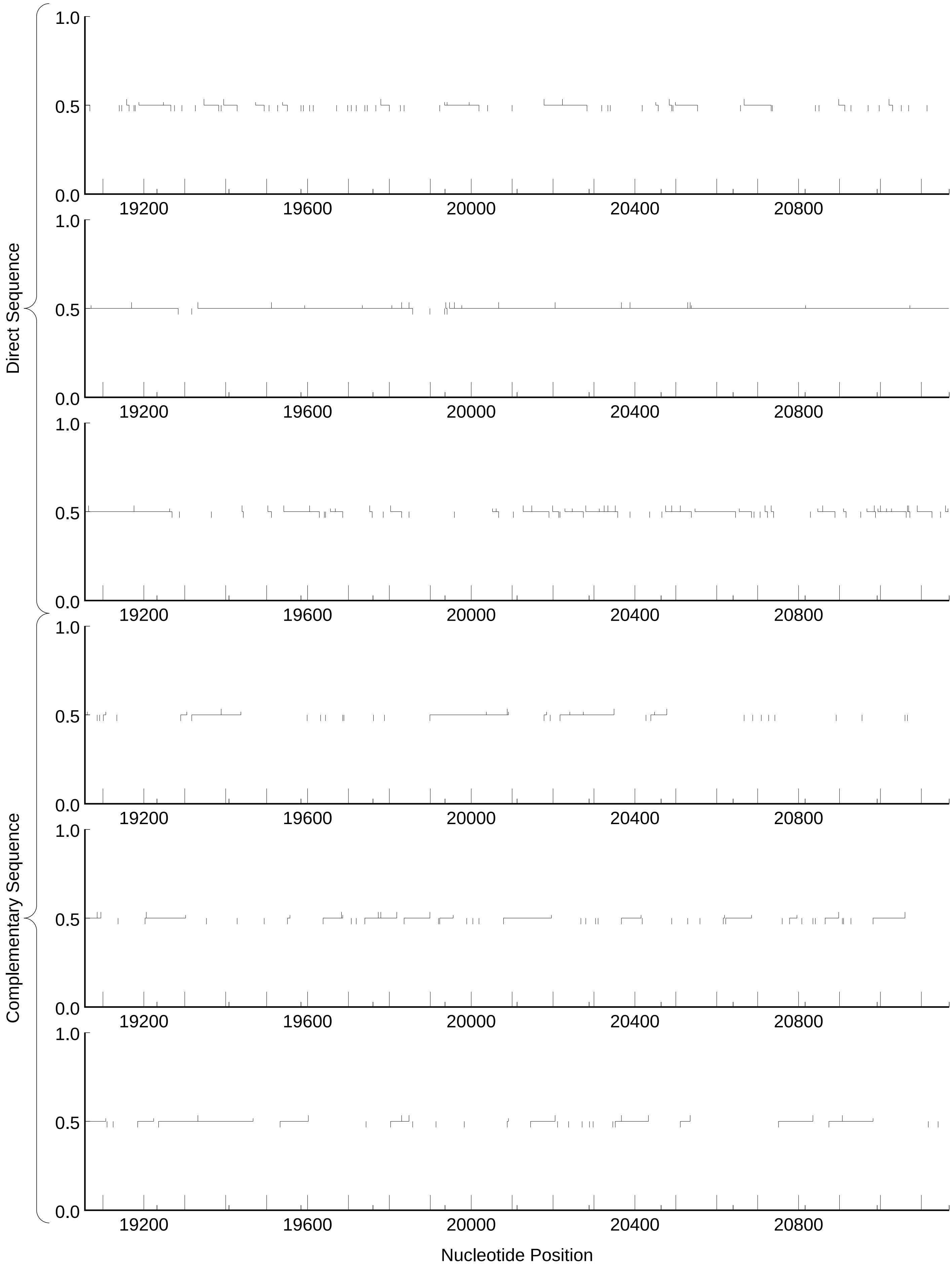
ge NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 8/64



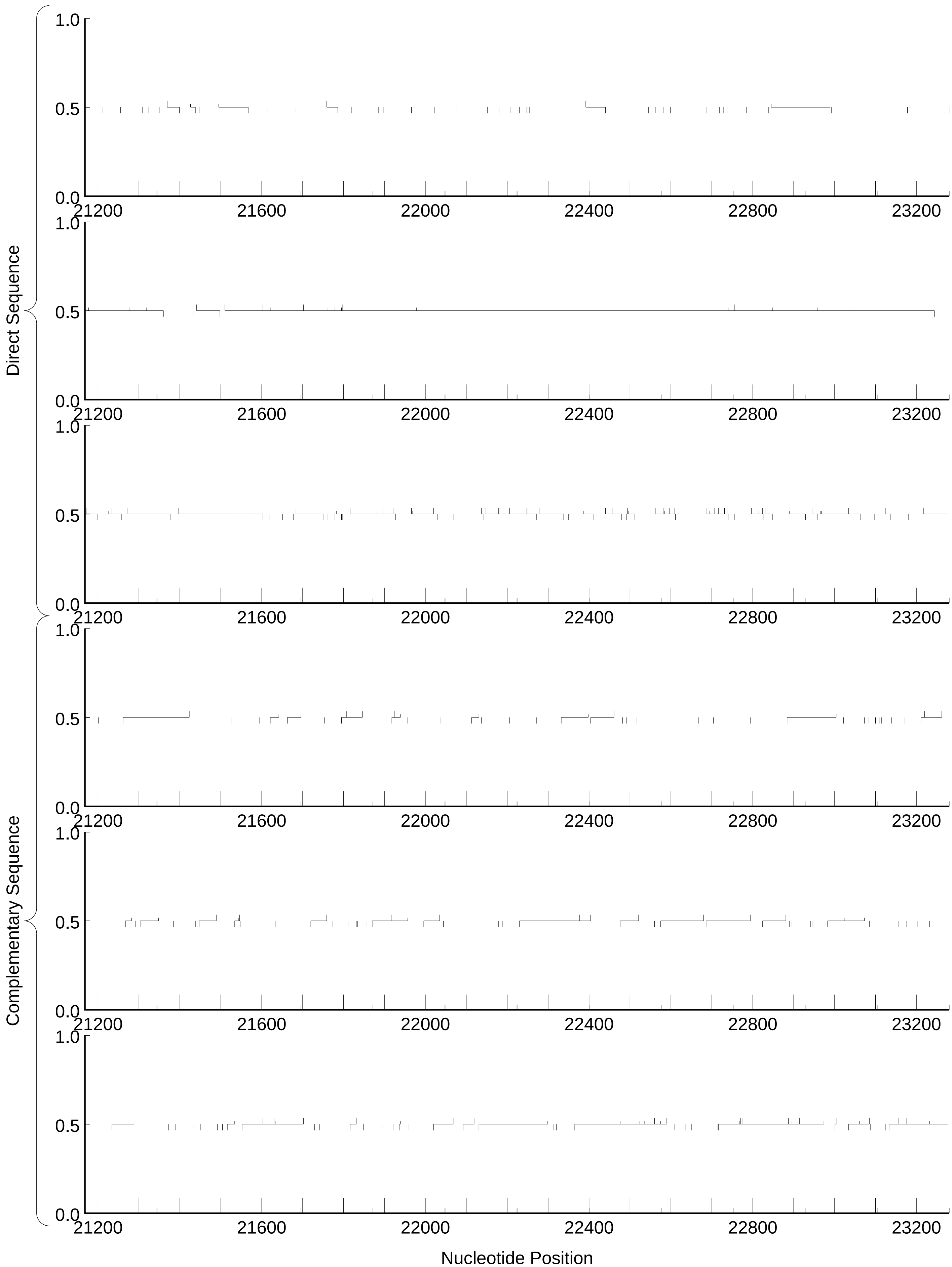

ge NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 9/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
15200
15600
16000
16400
16800
Nucleotide Position


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
17200
17600
18000
18400
18800
Nucleotide Position

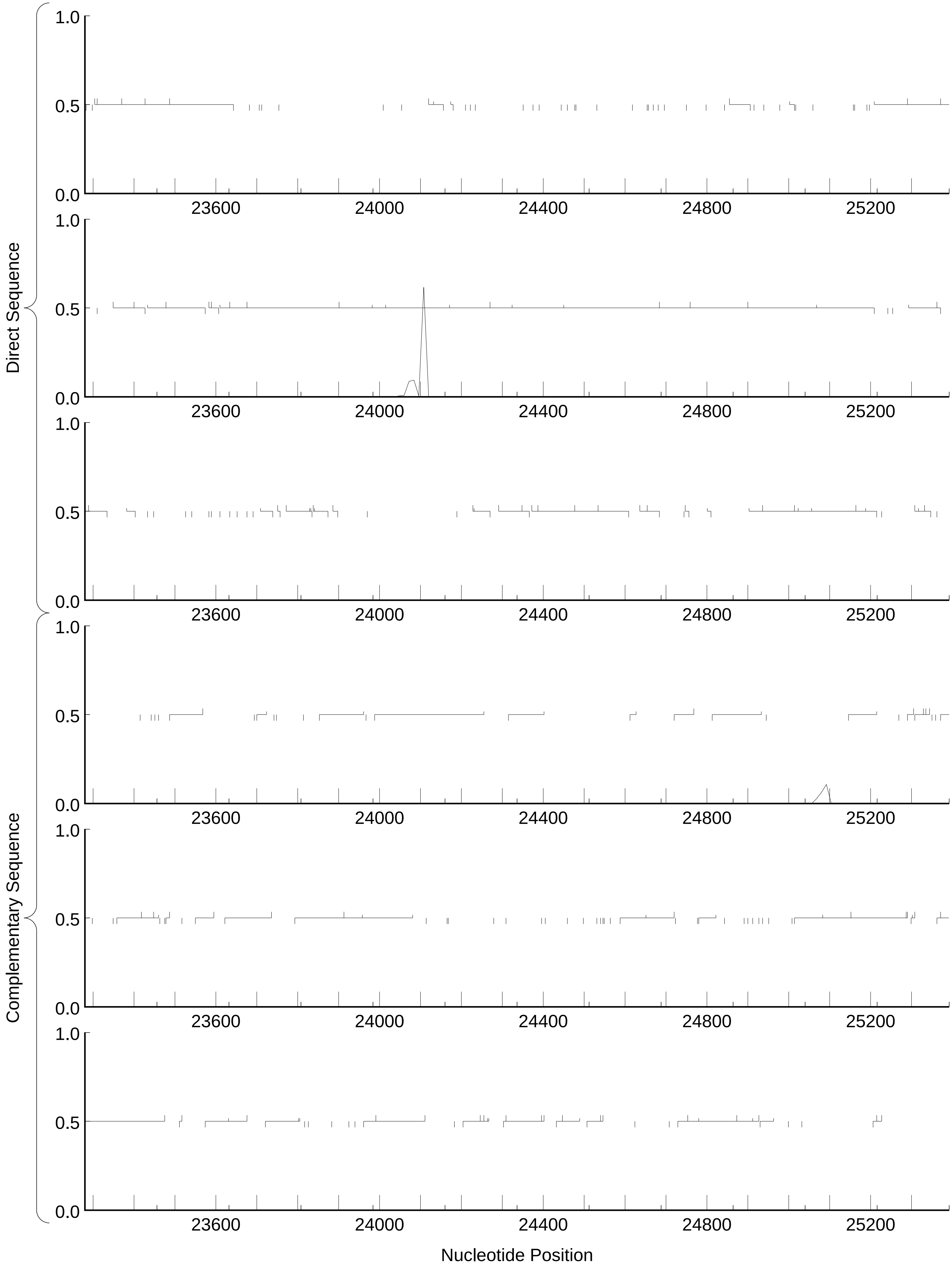
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 11/64



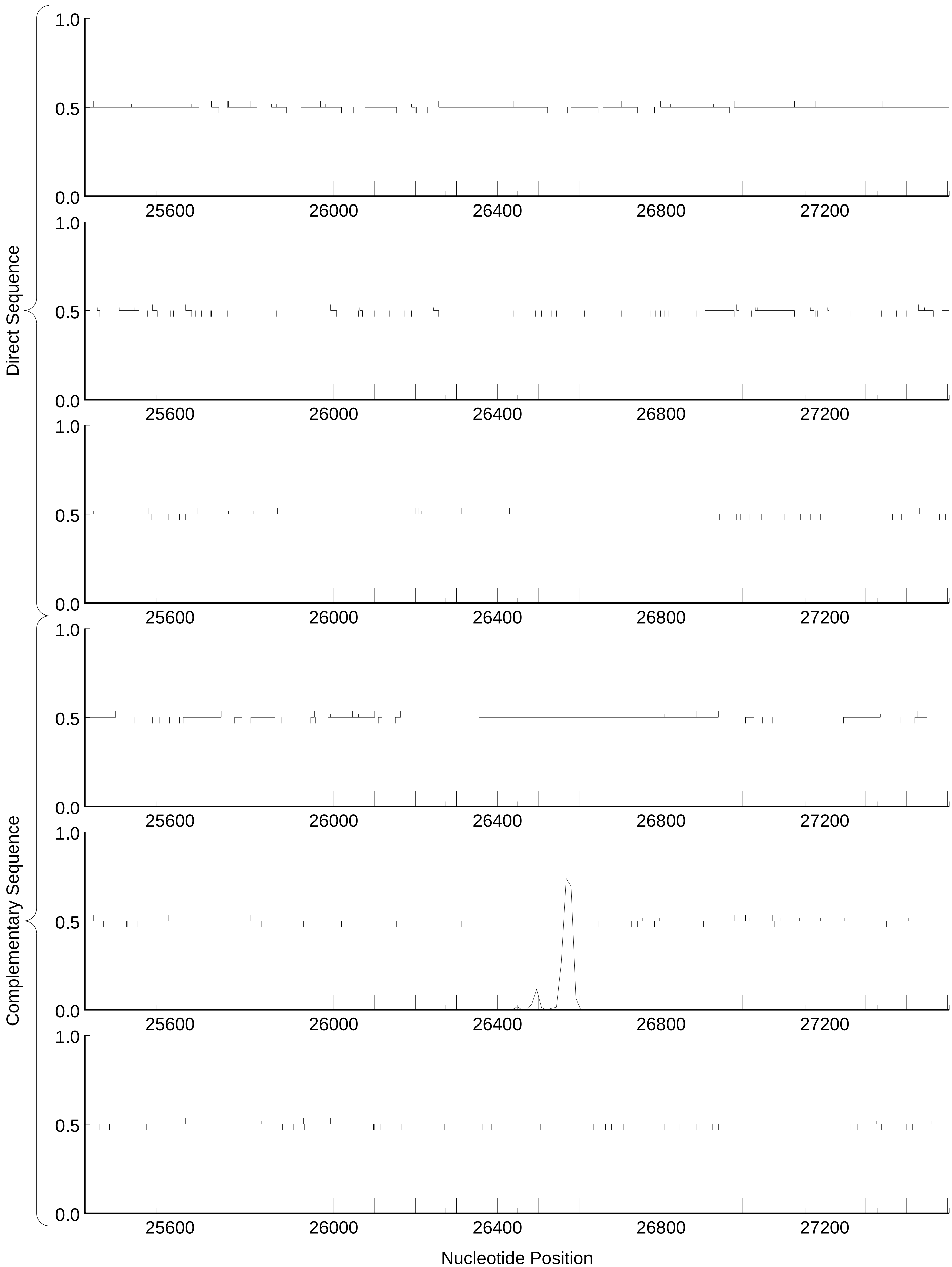
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 12/64



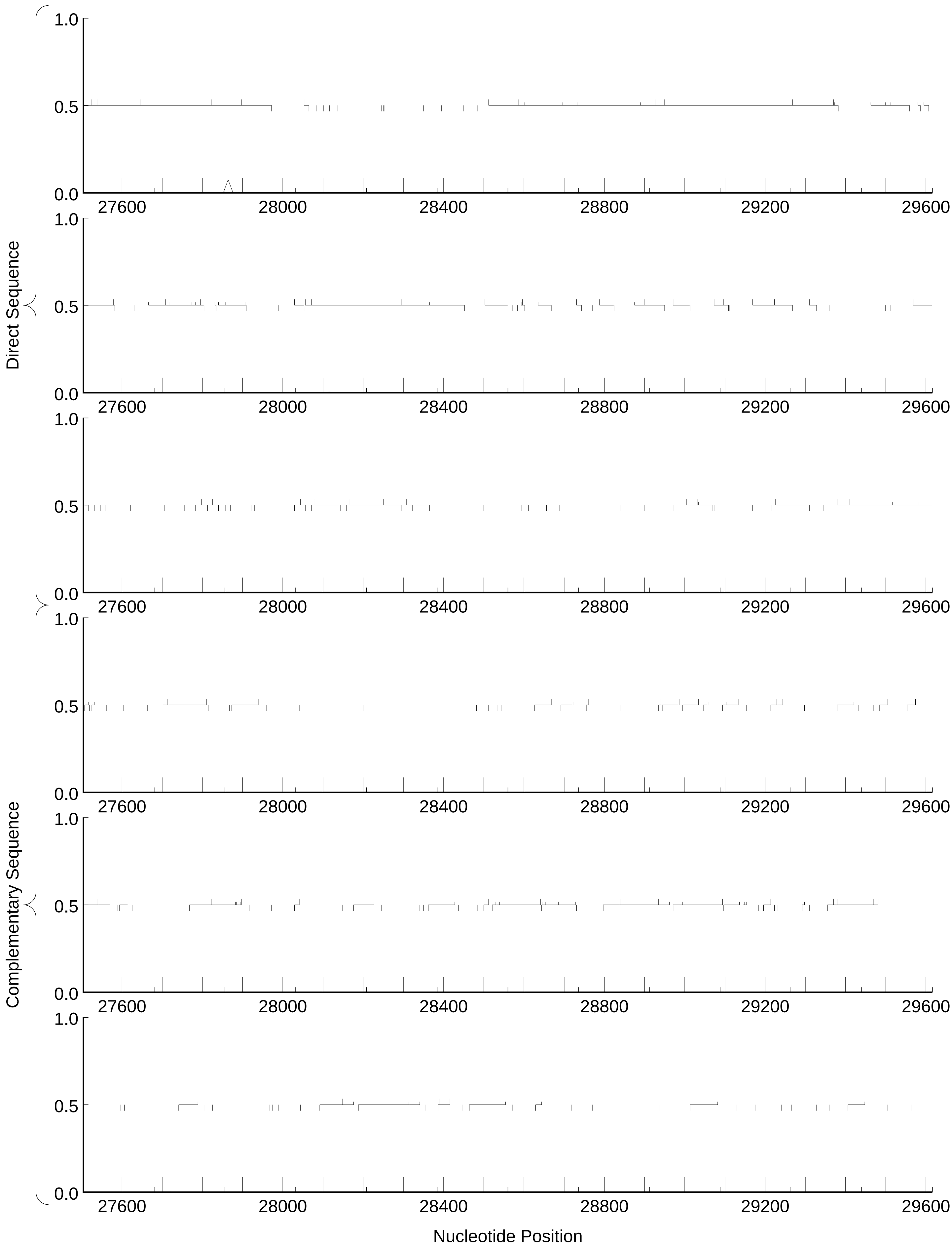
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 13/64



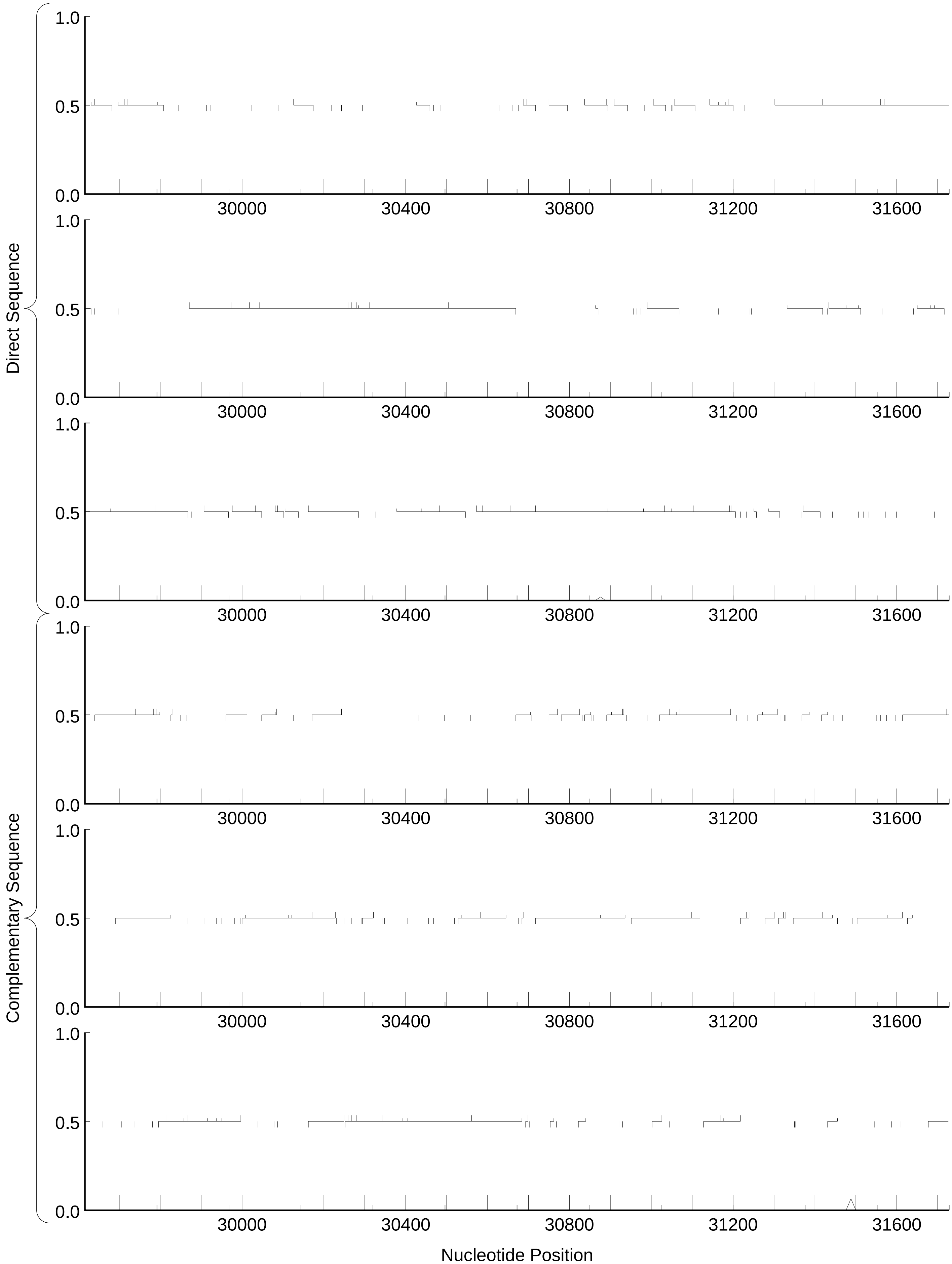
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 14/64

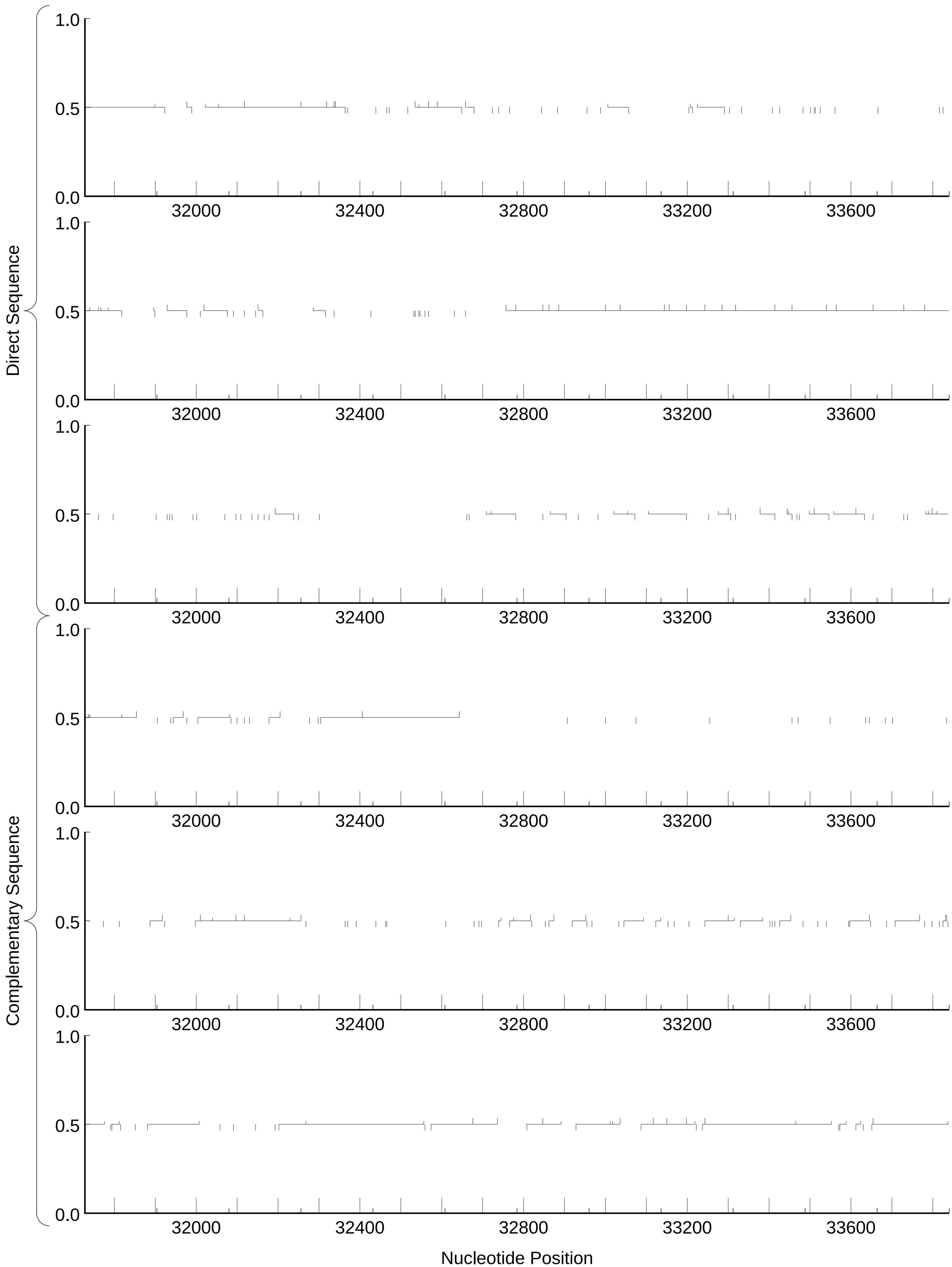


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 15/64

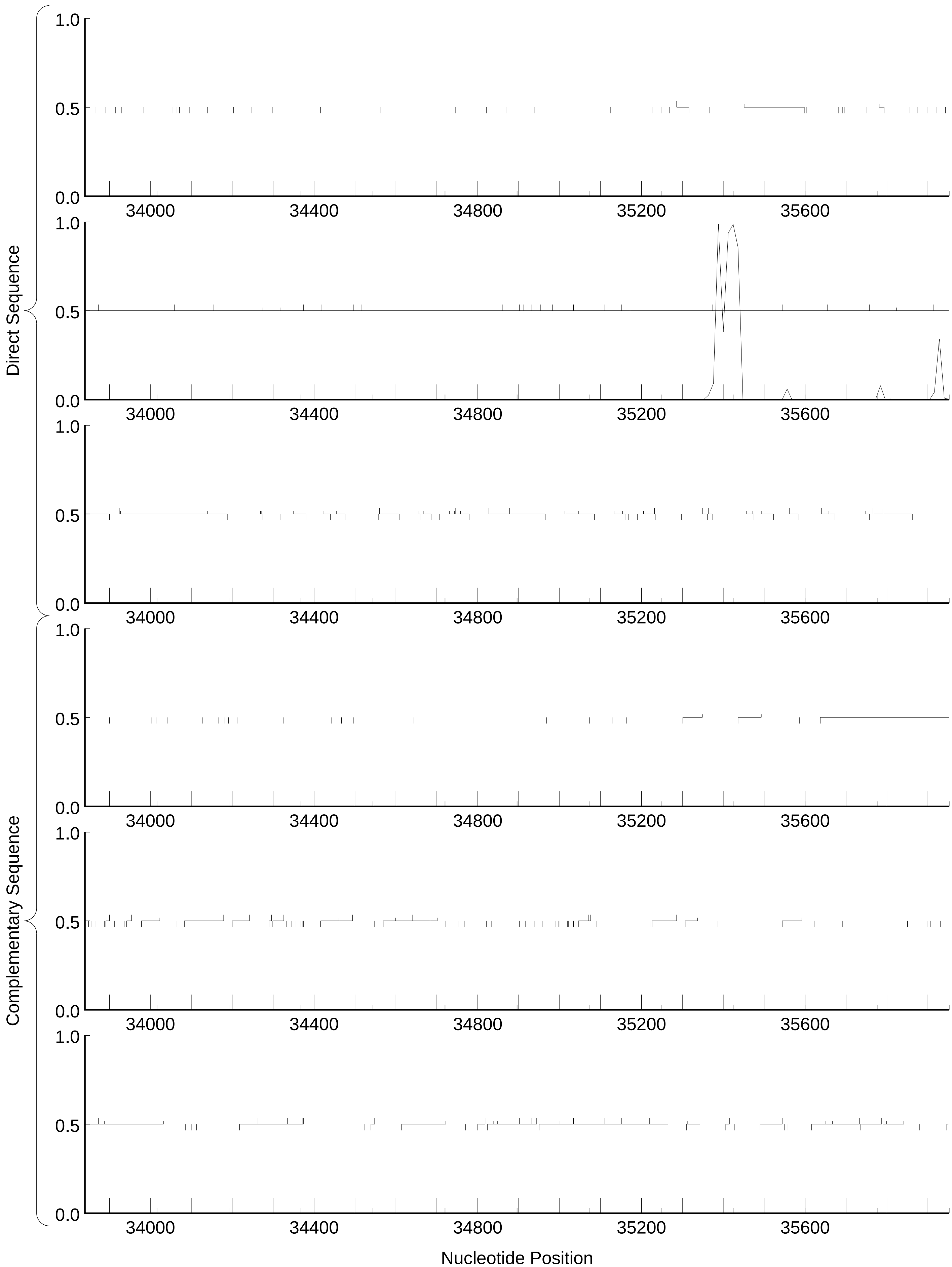


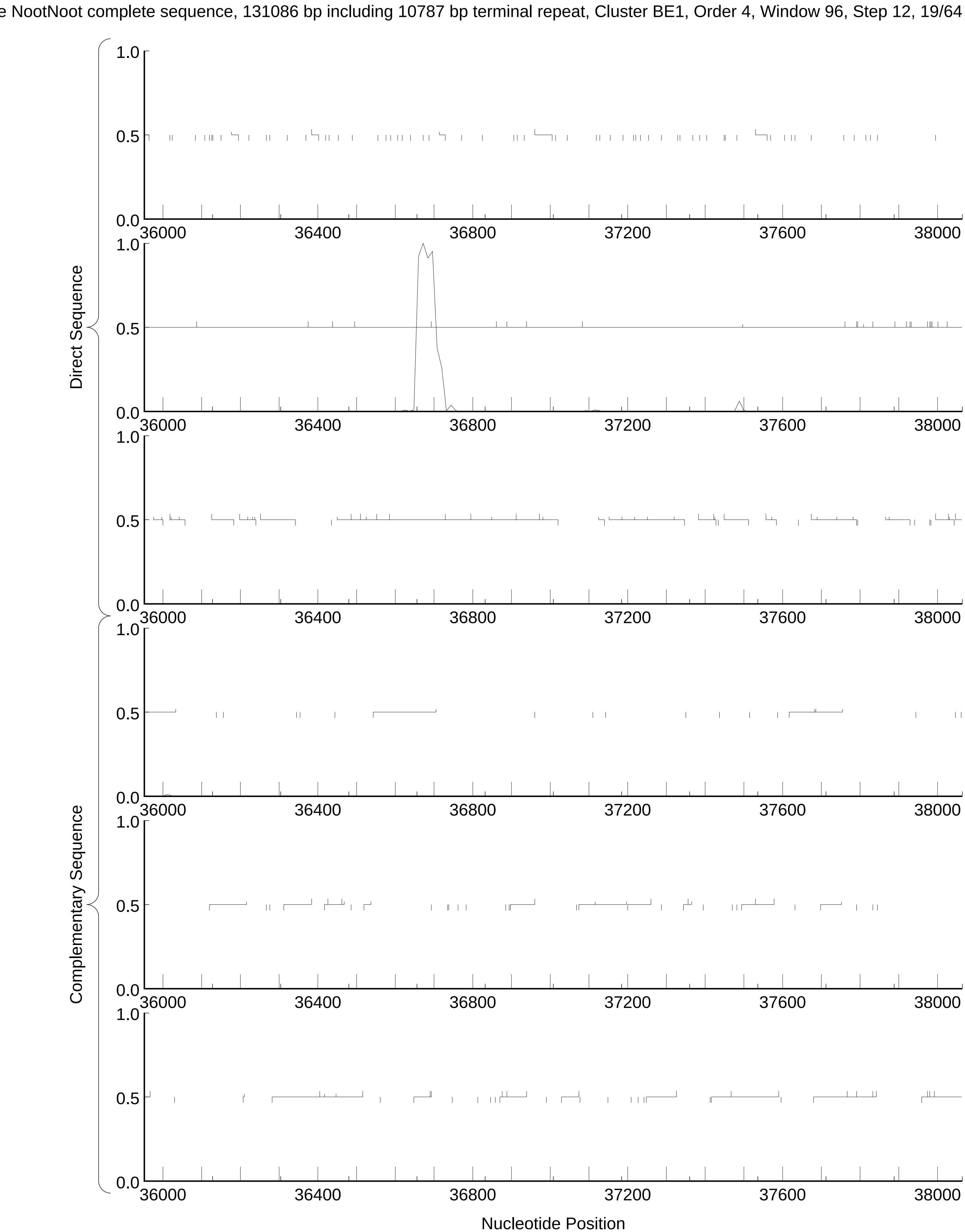
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 16/64

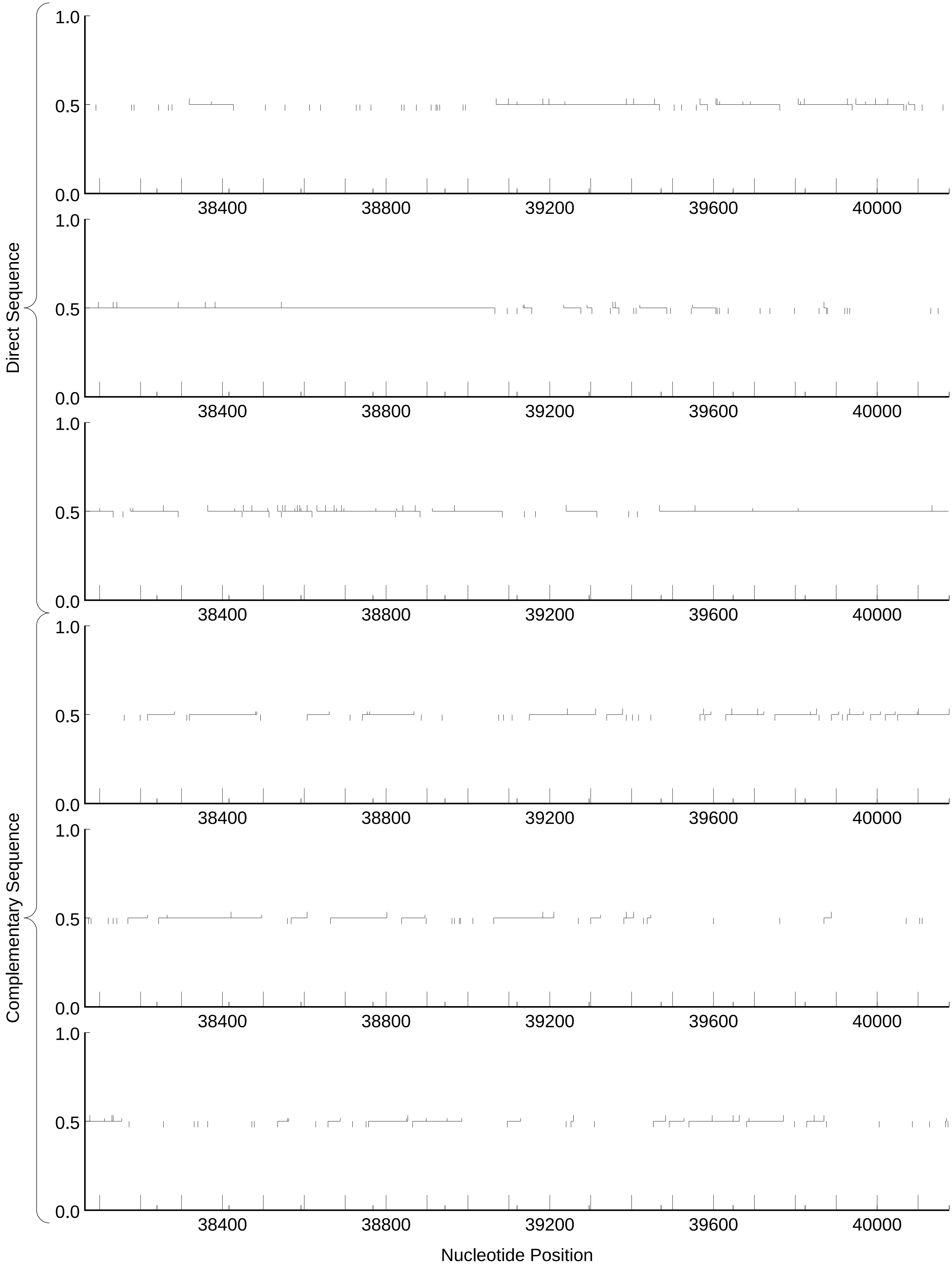



Direct Sequence
Complementary Sequence
1.0
0.5
0.0
32000
32400
32800
33200
33600
Nucleotide Position

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 18/64

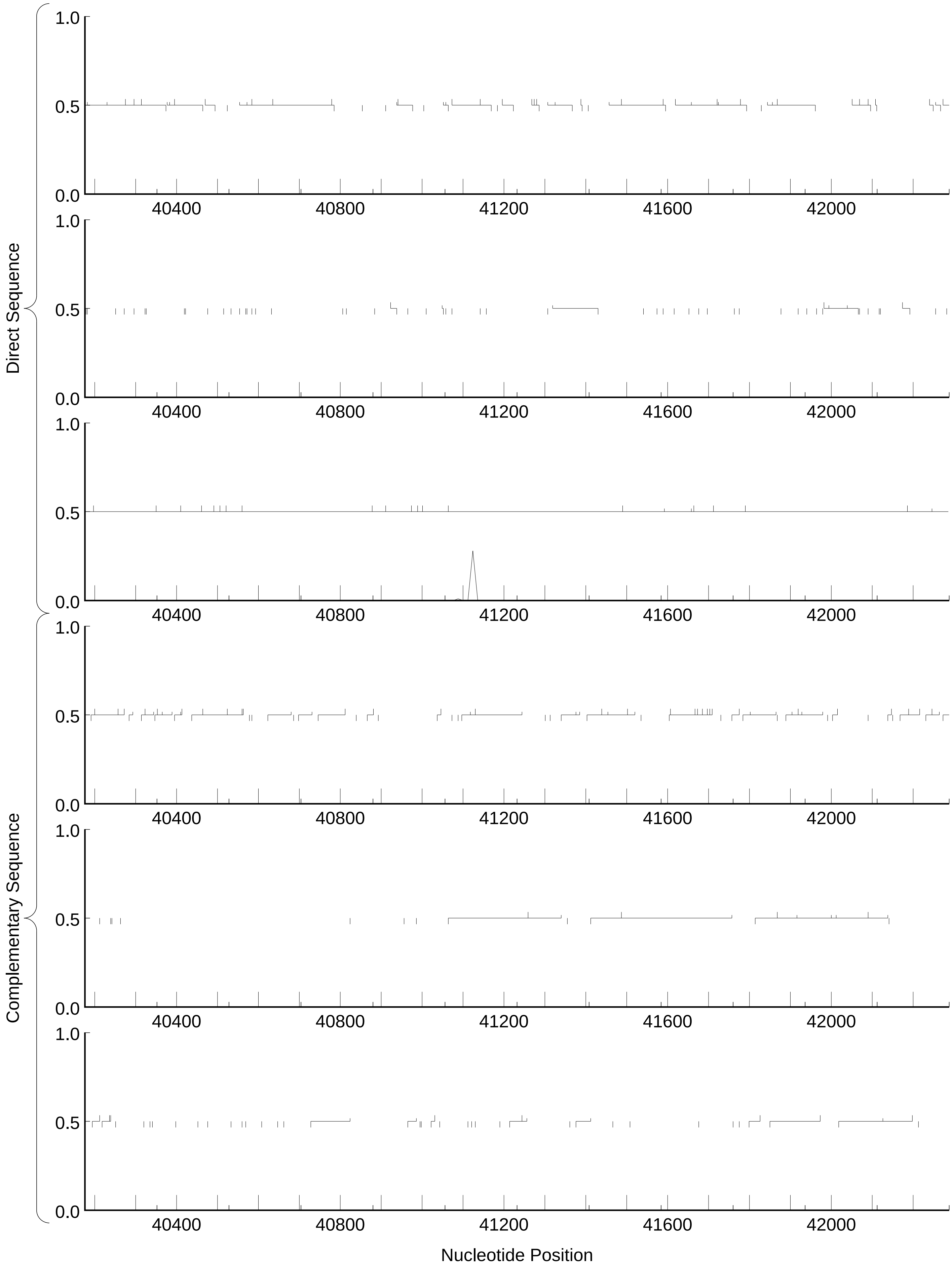



e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 19/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
36000
36400
36800
37200
37600
38000
Nucleotide Position

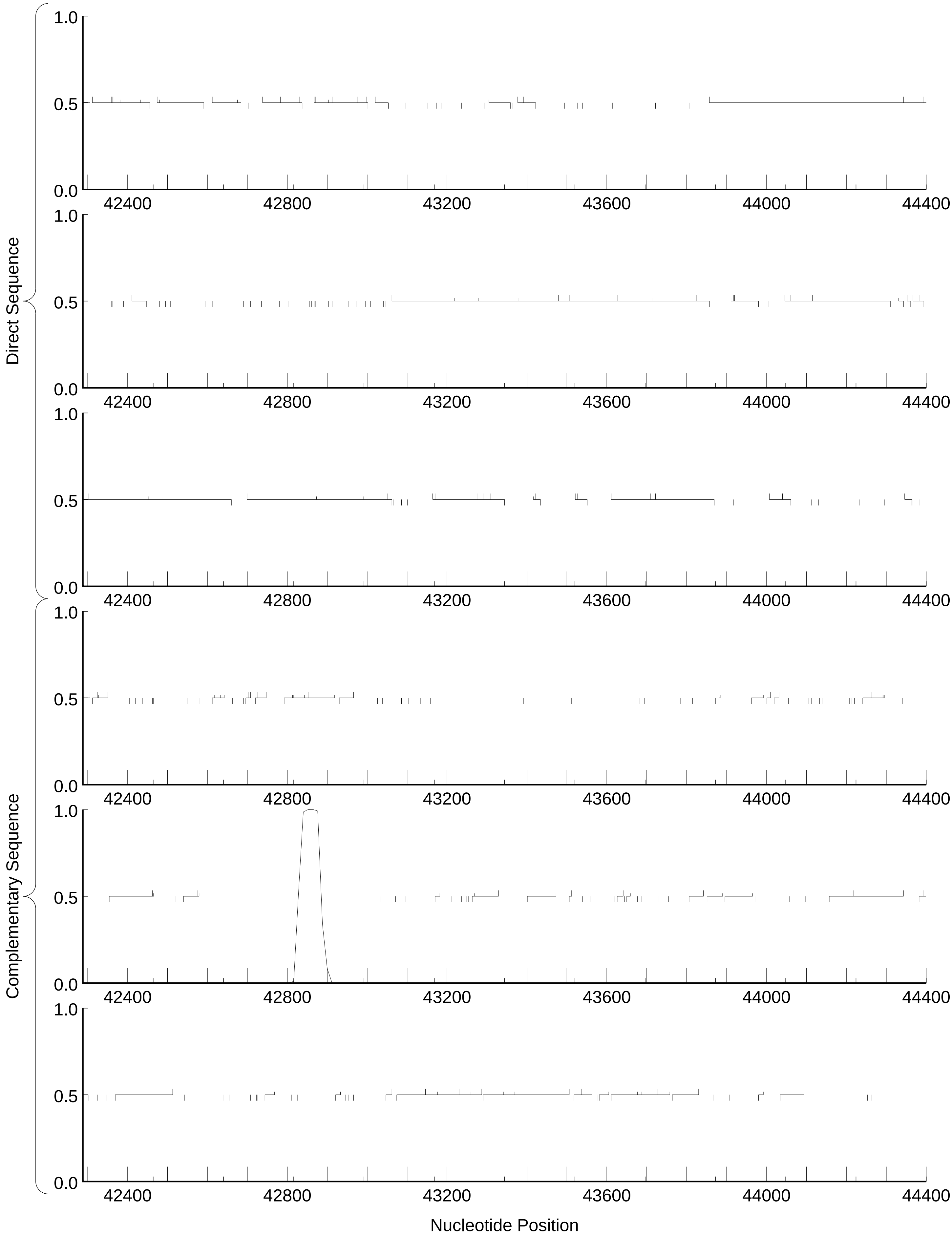


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
38400
38800
39200
39600
40000
Nucleotide Position

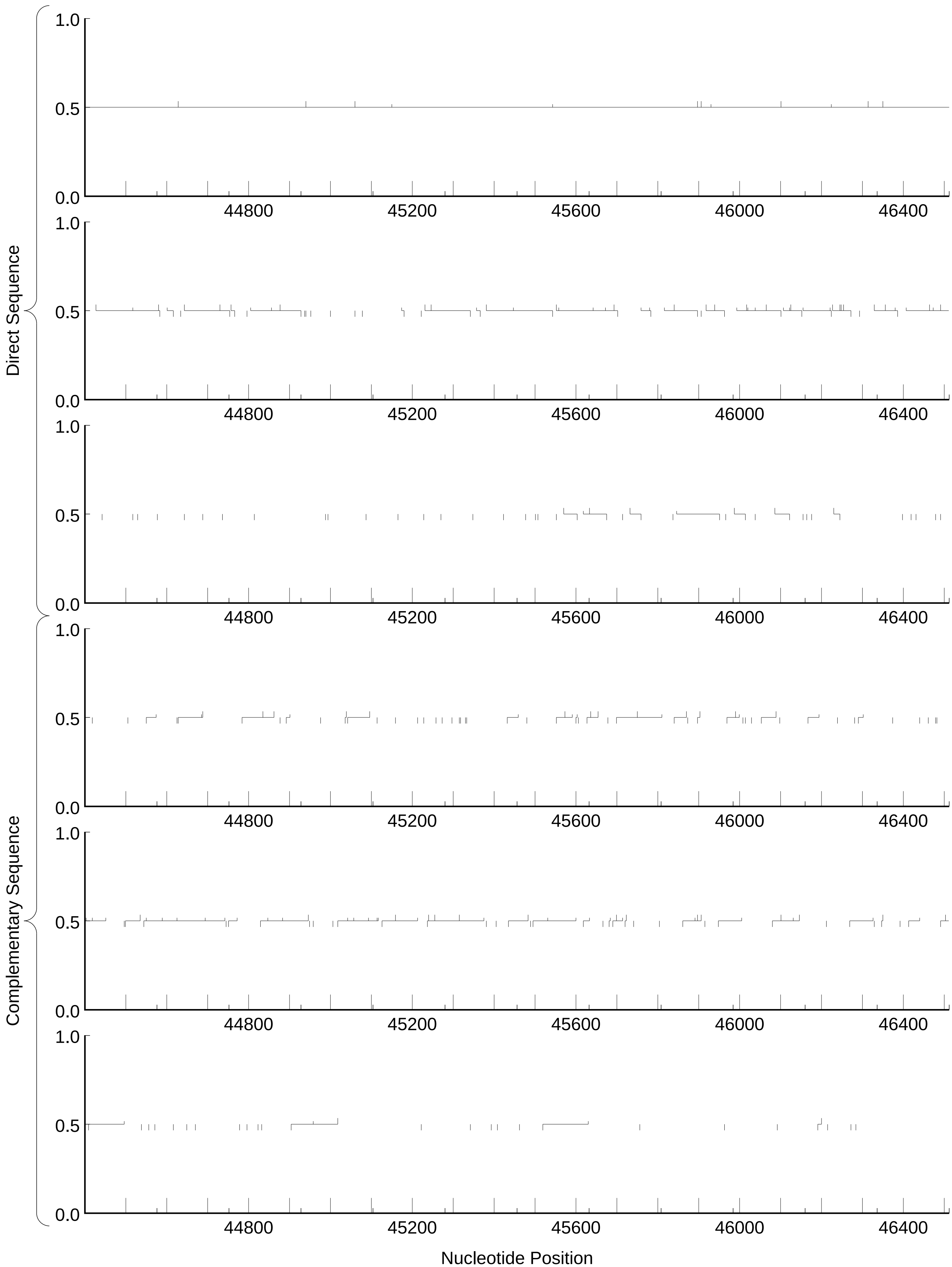
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 21/64



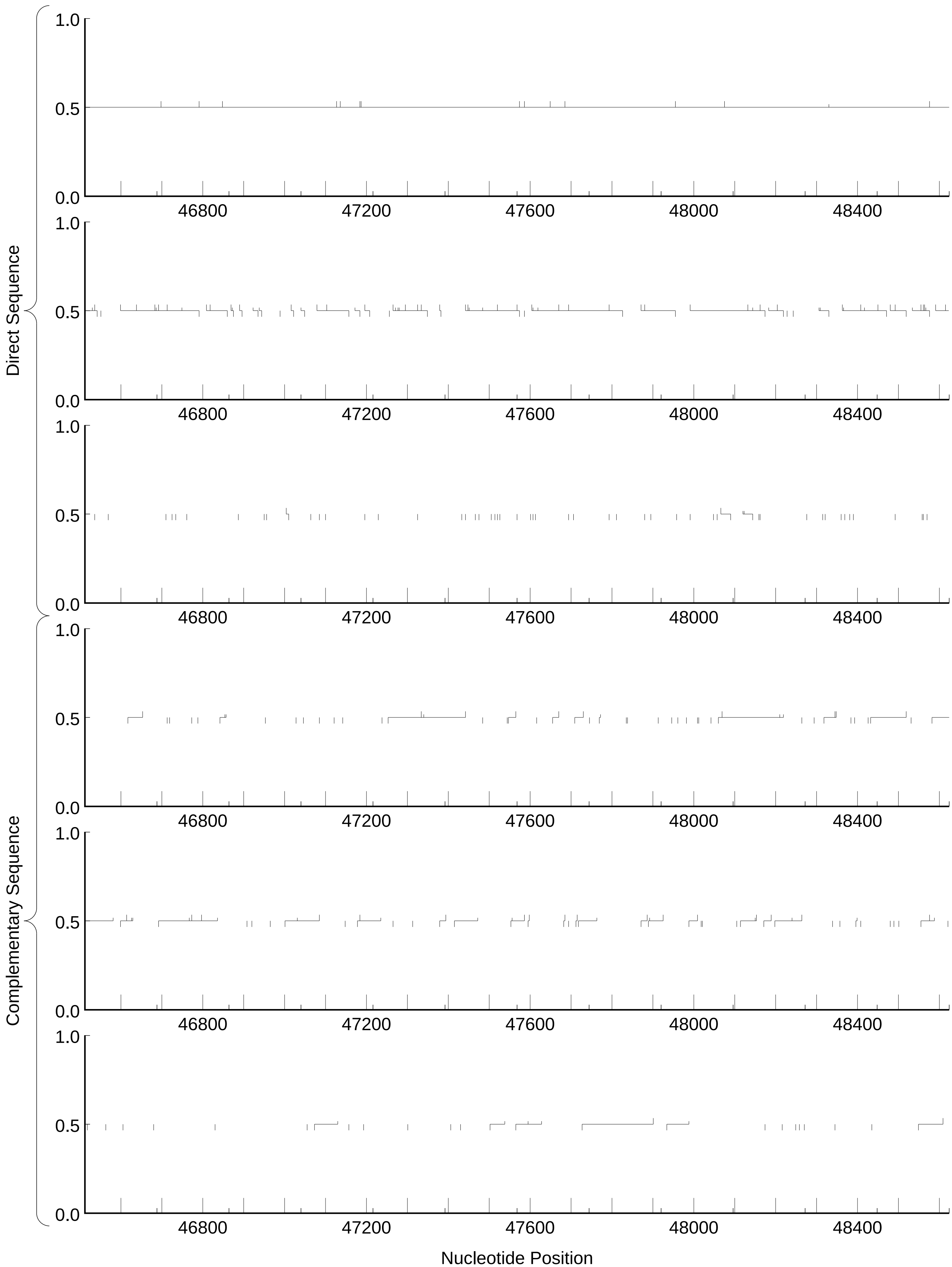
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 22/64



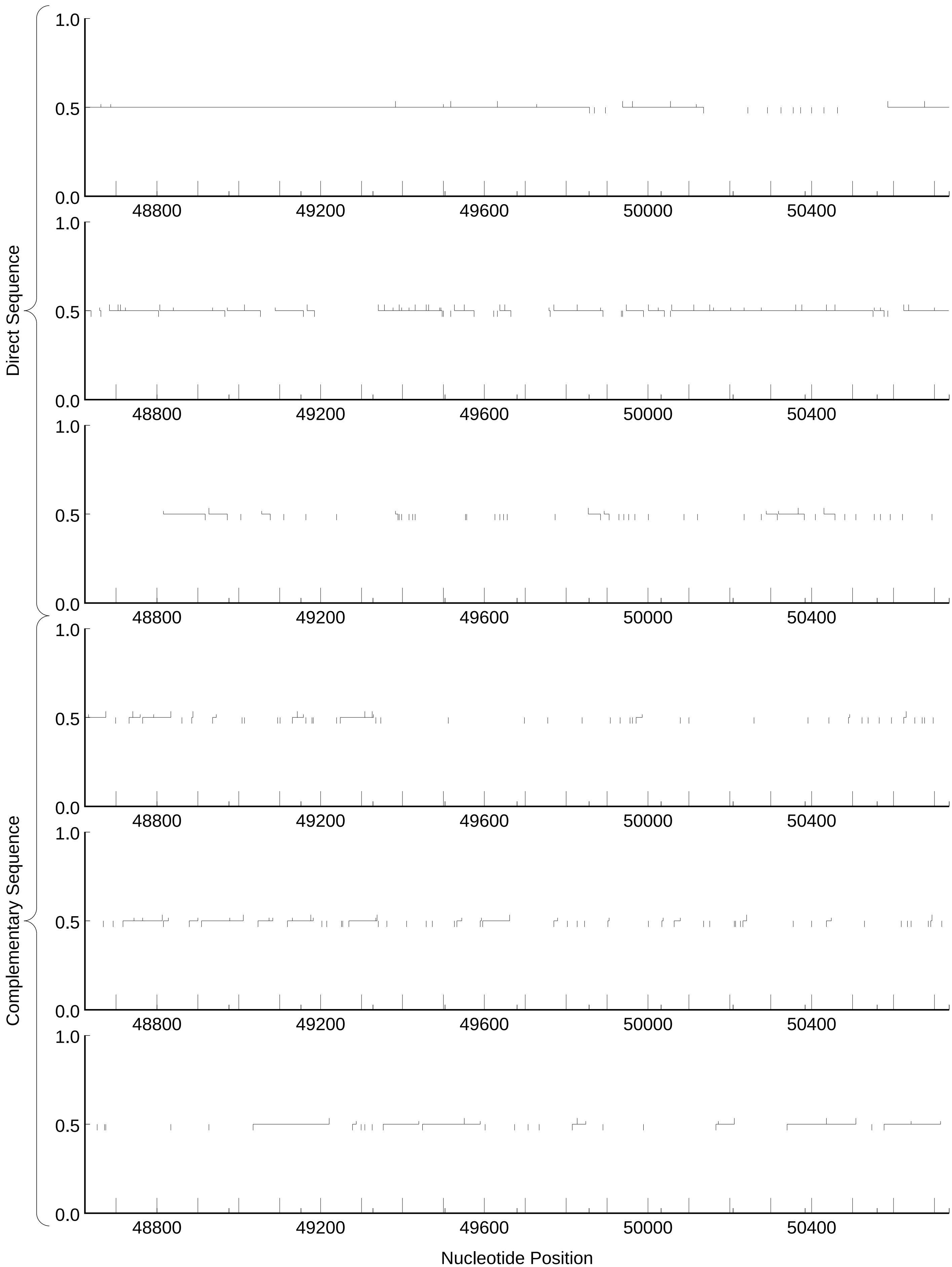
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 23/64



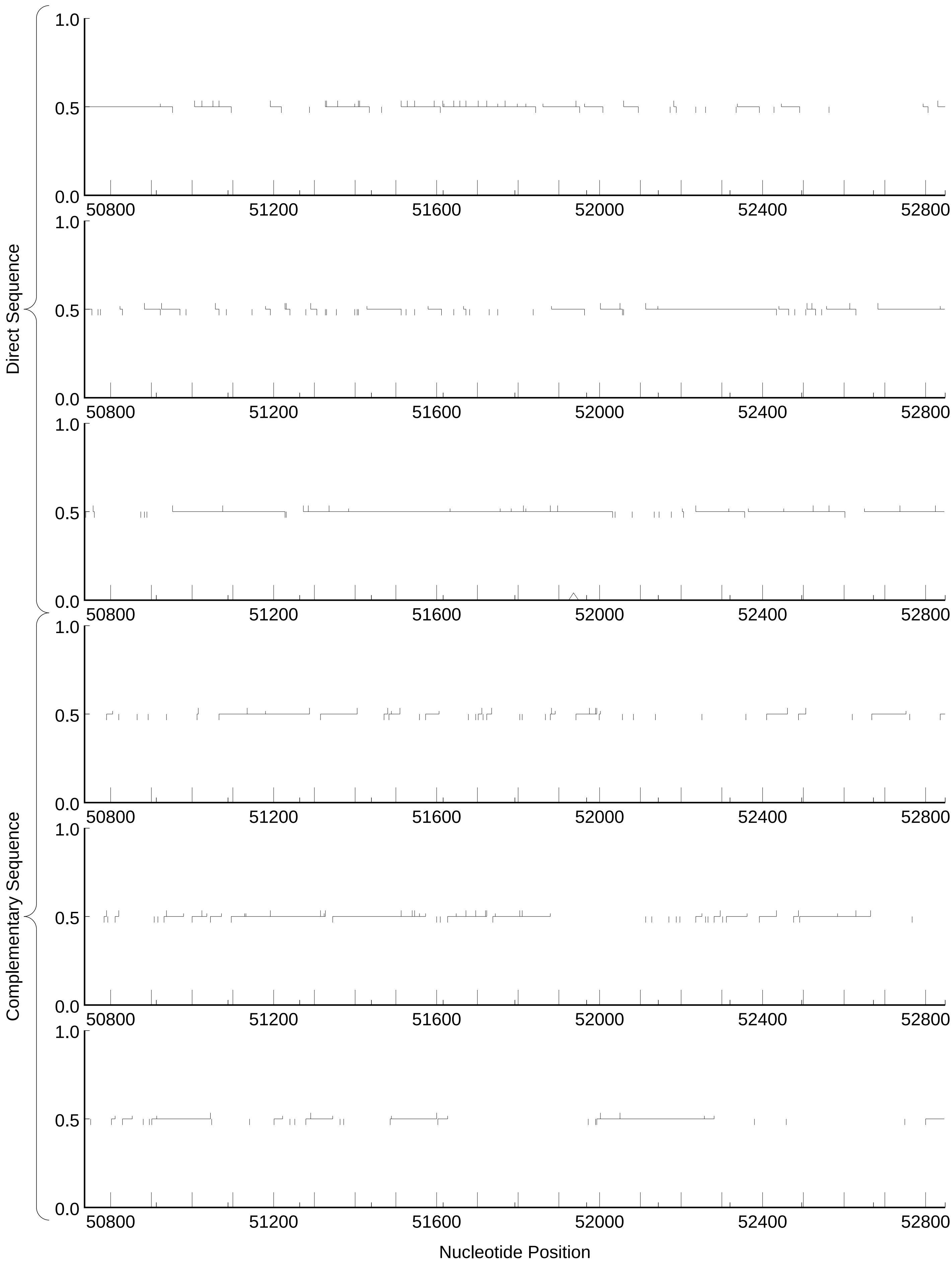
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 24/64



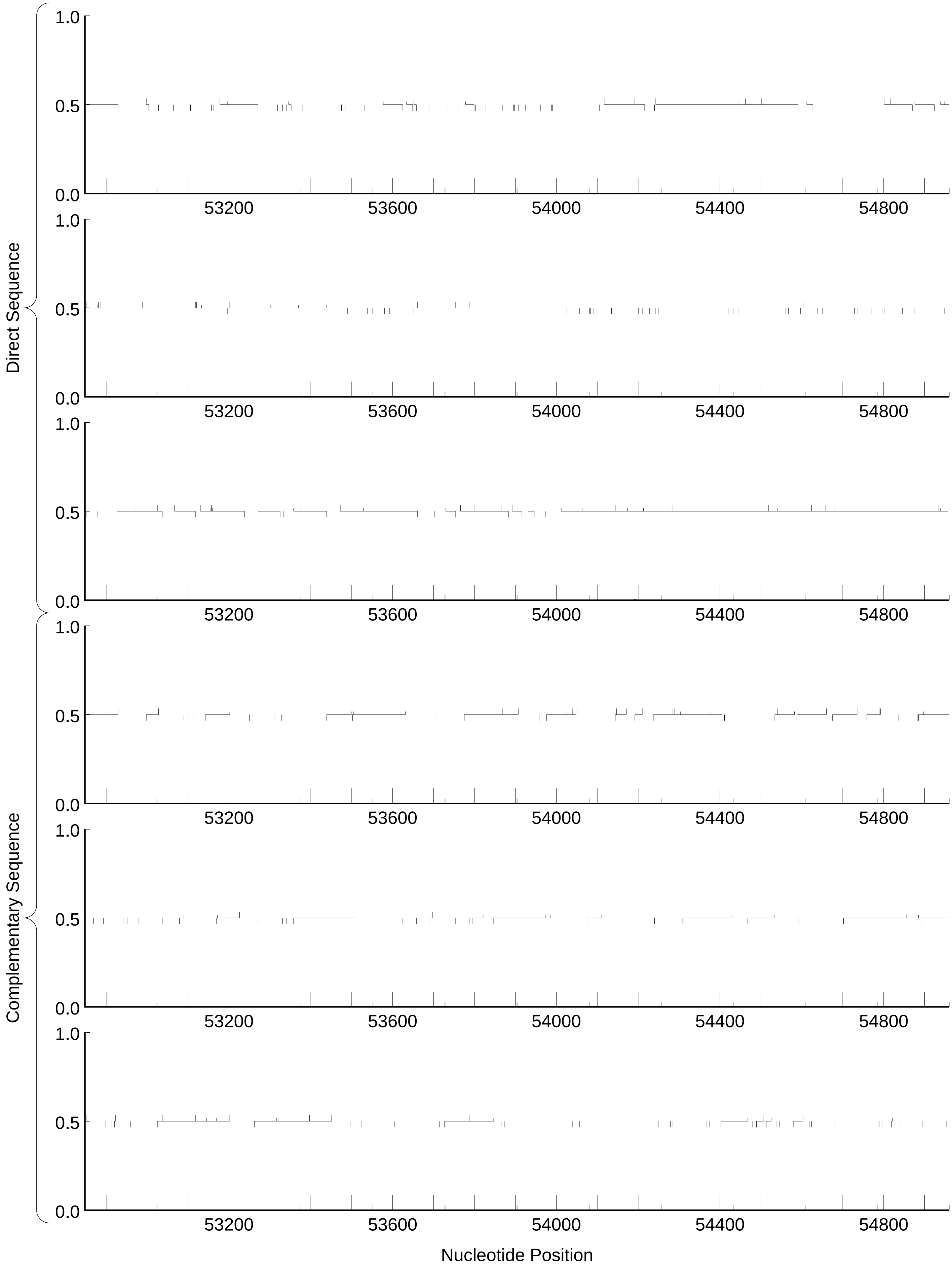
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 25/64



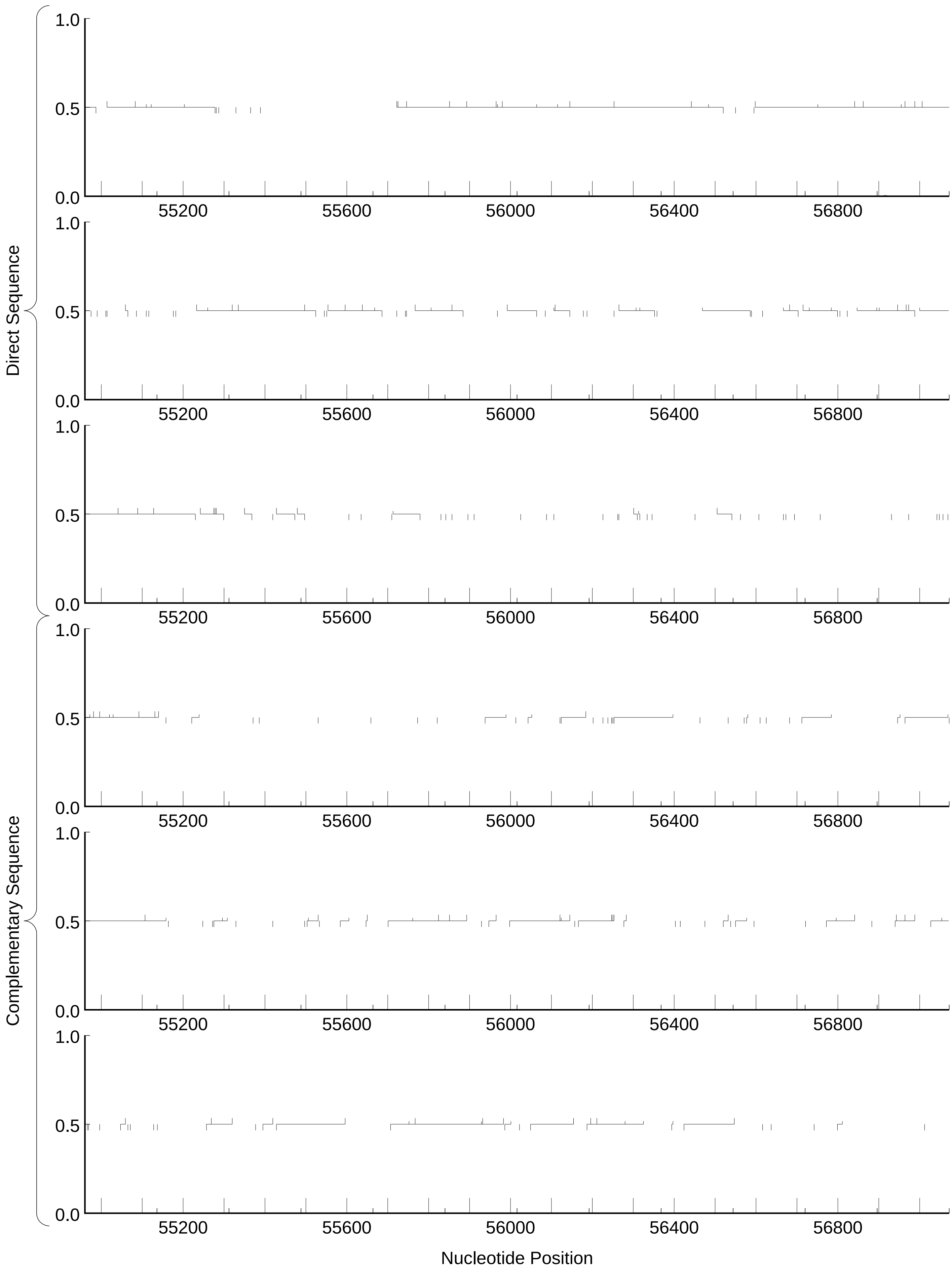
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 26/64

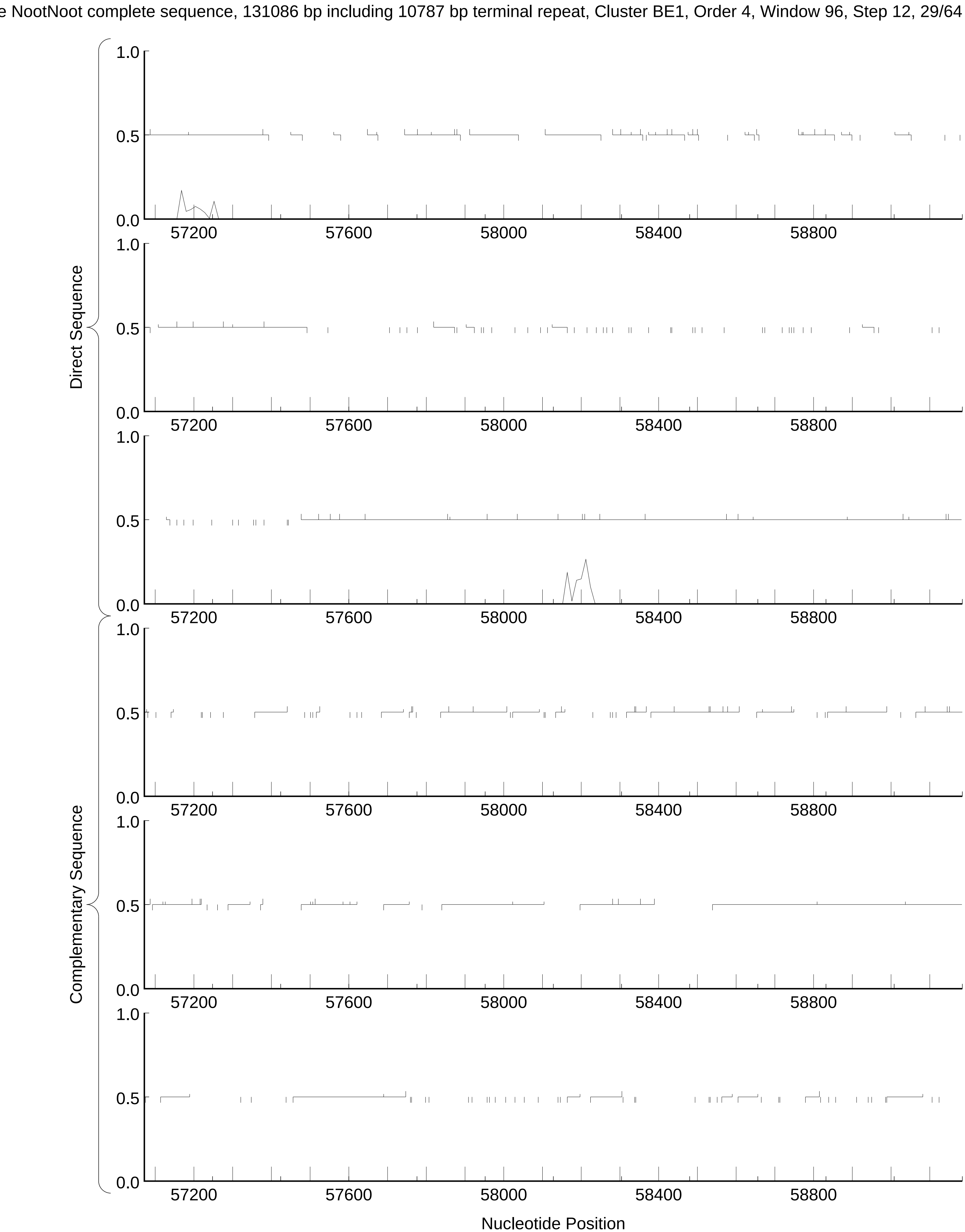


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 27/64

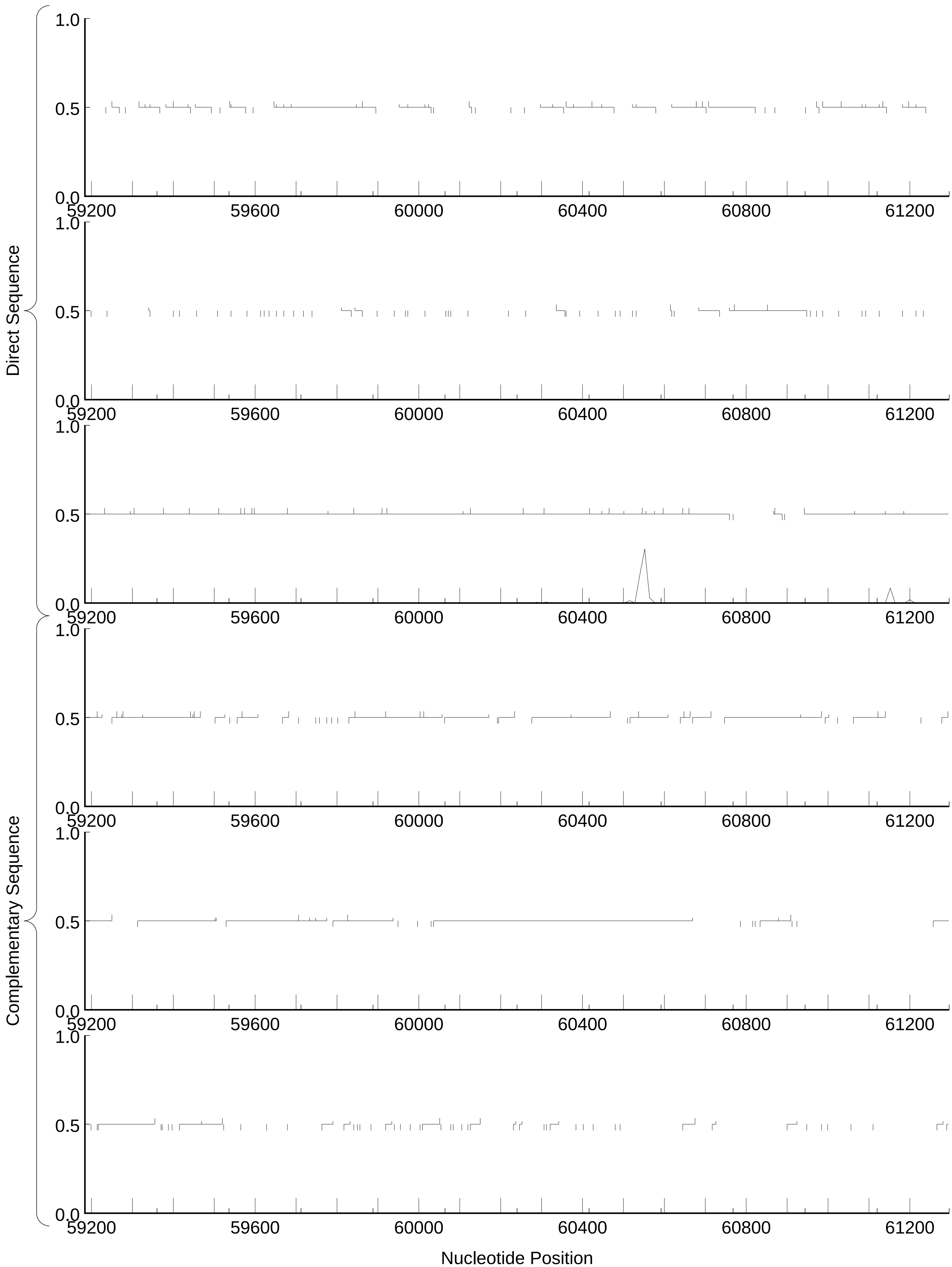


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 28/64

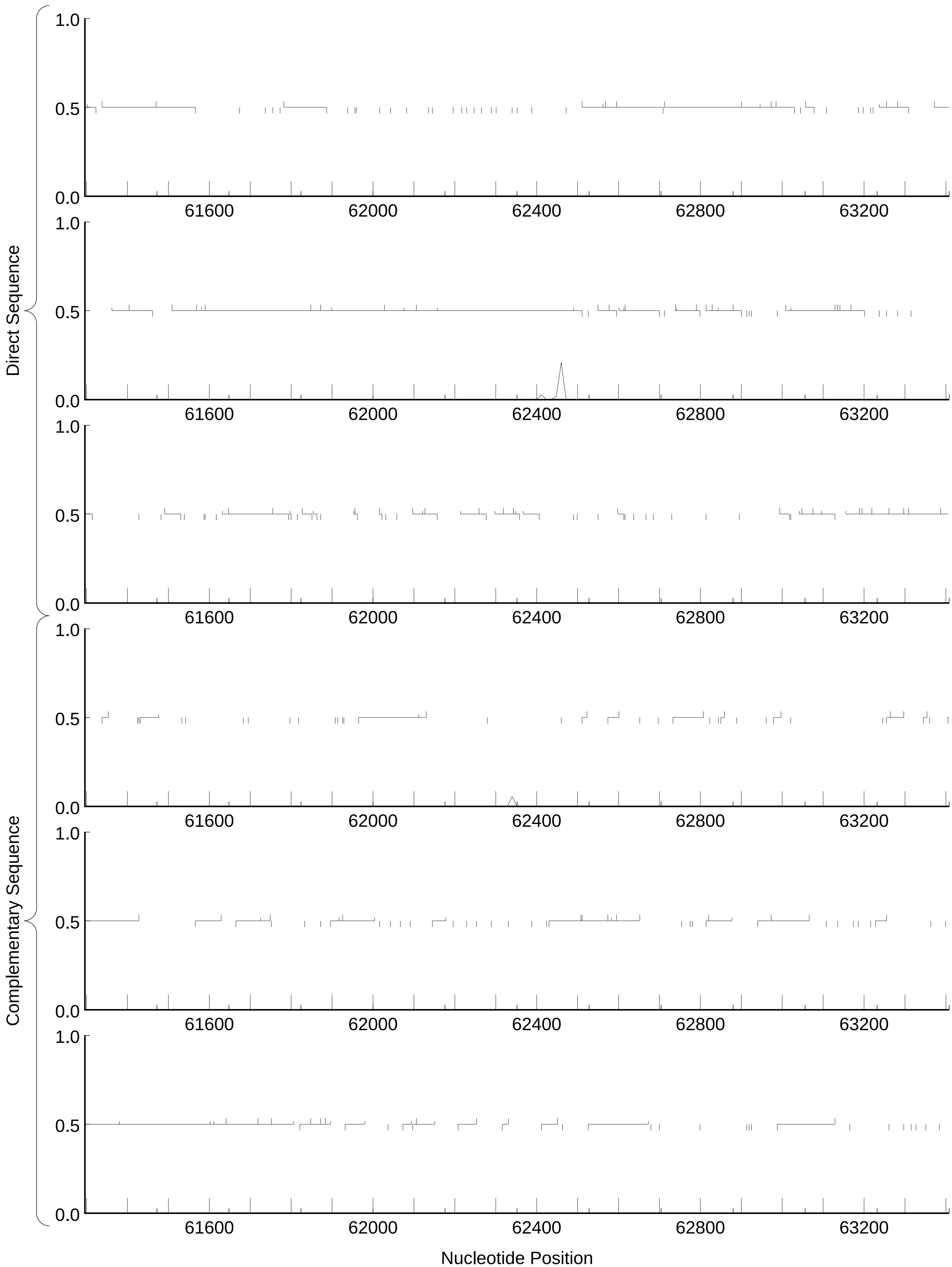



e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 29/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
57200
57600
58000
58400
58800
Nucleotide Position

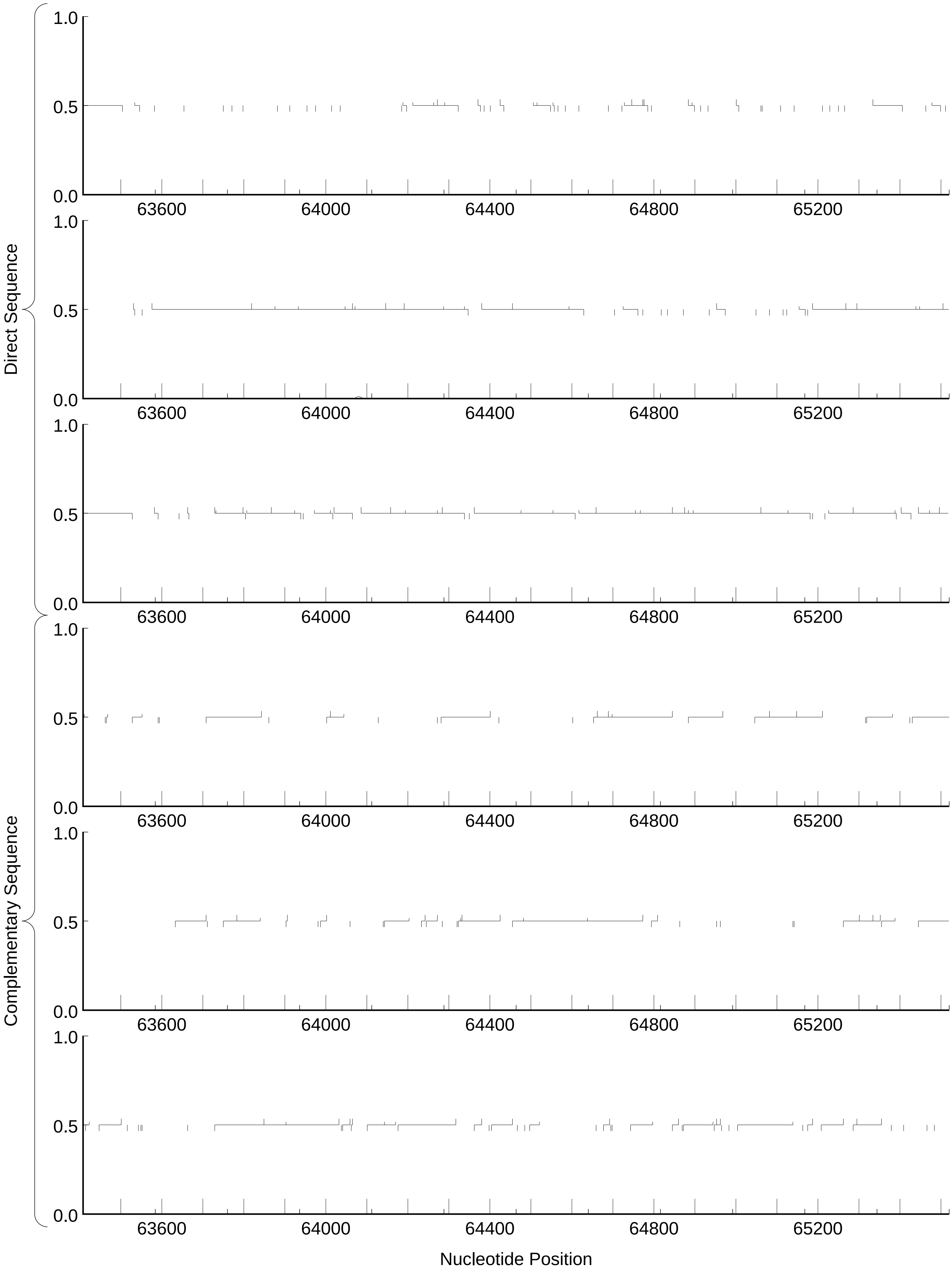
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 30/64

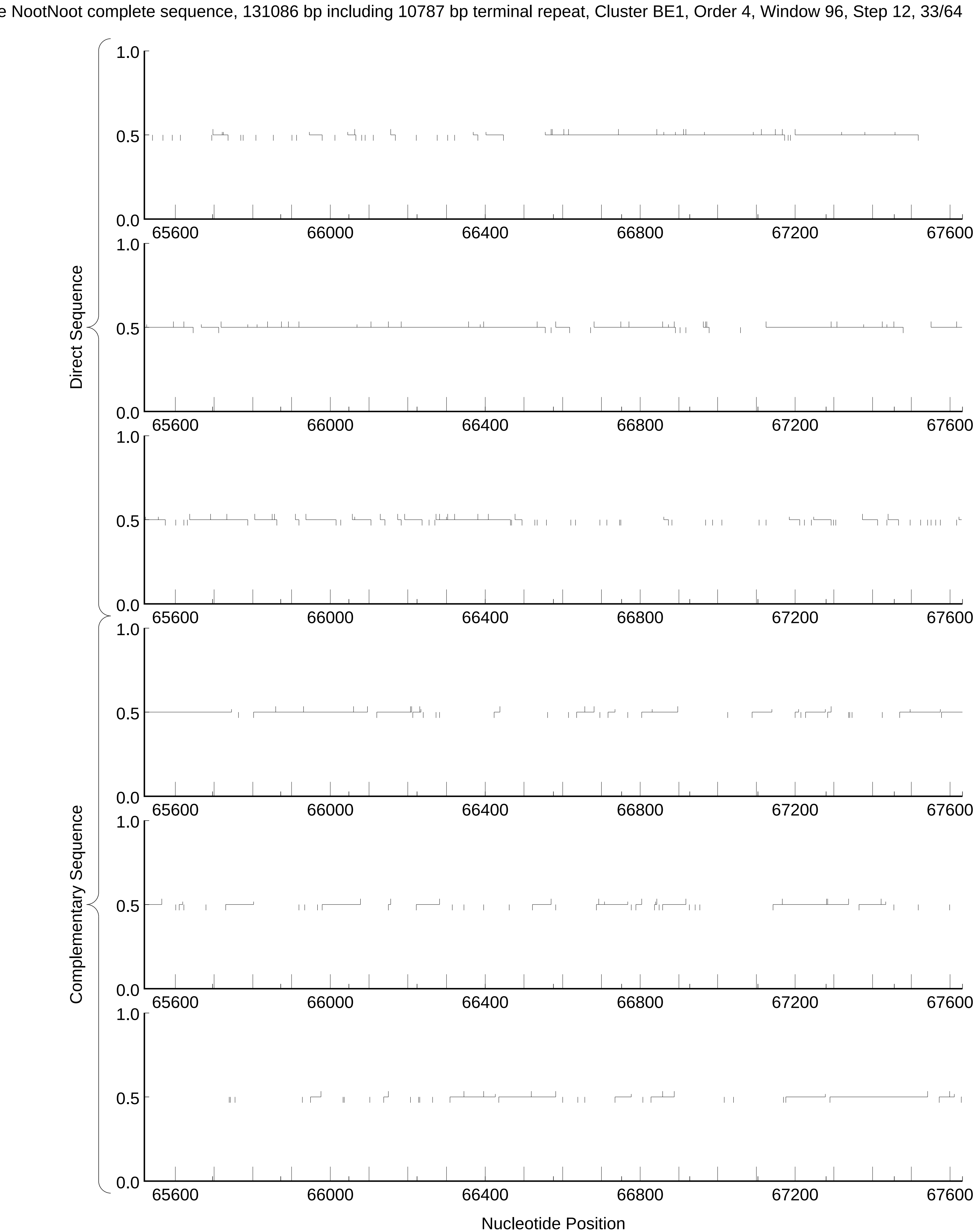


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 31/64



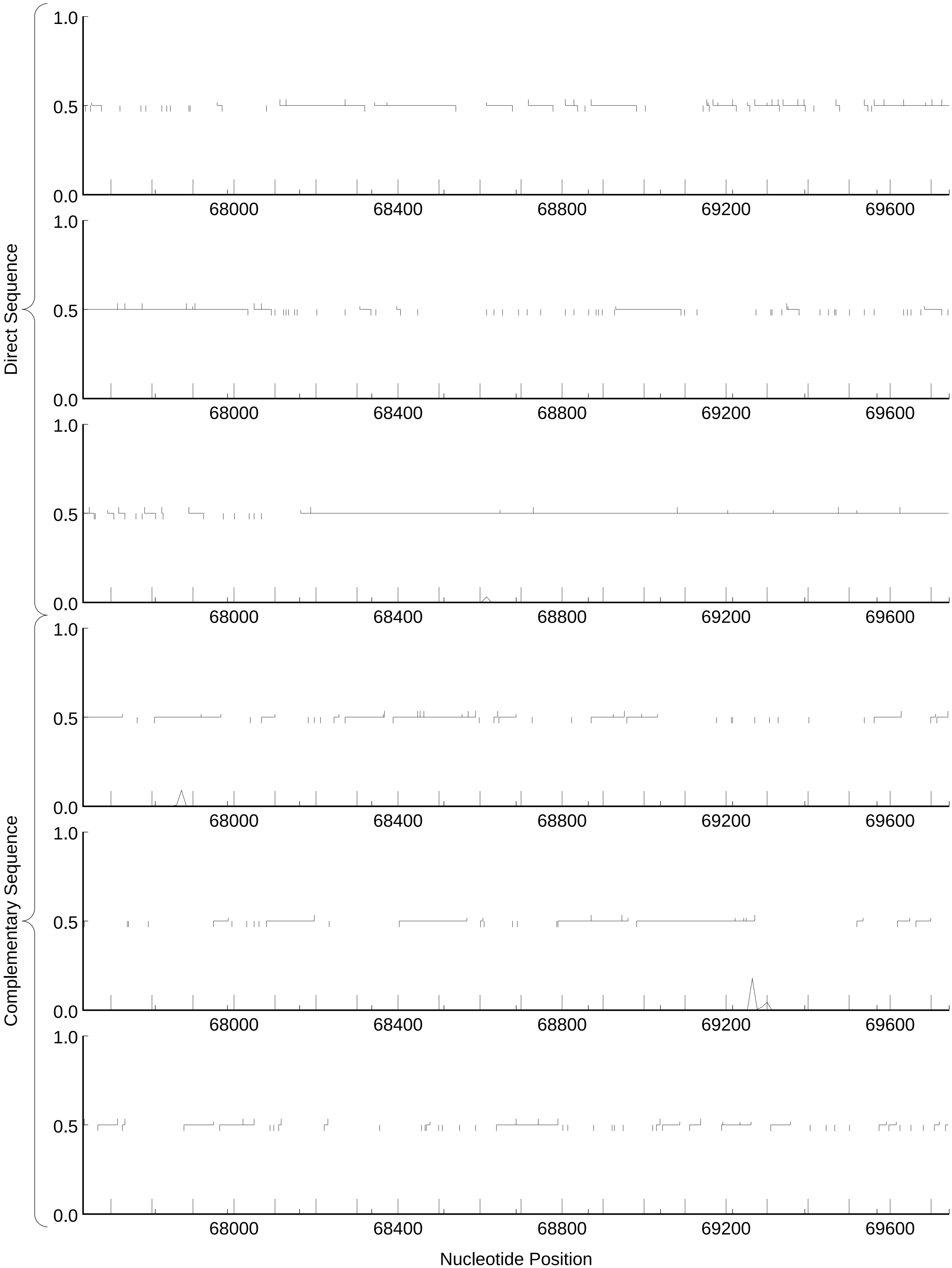
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 32/64

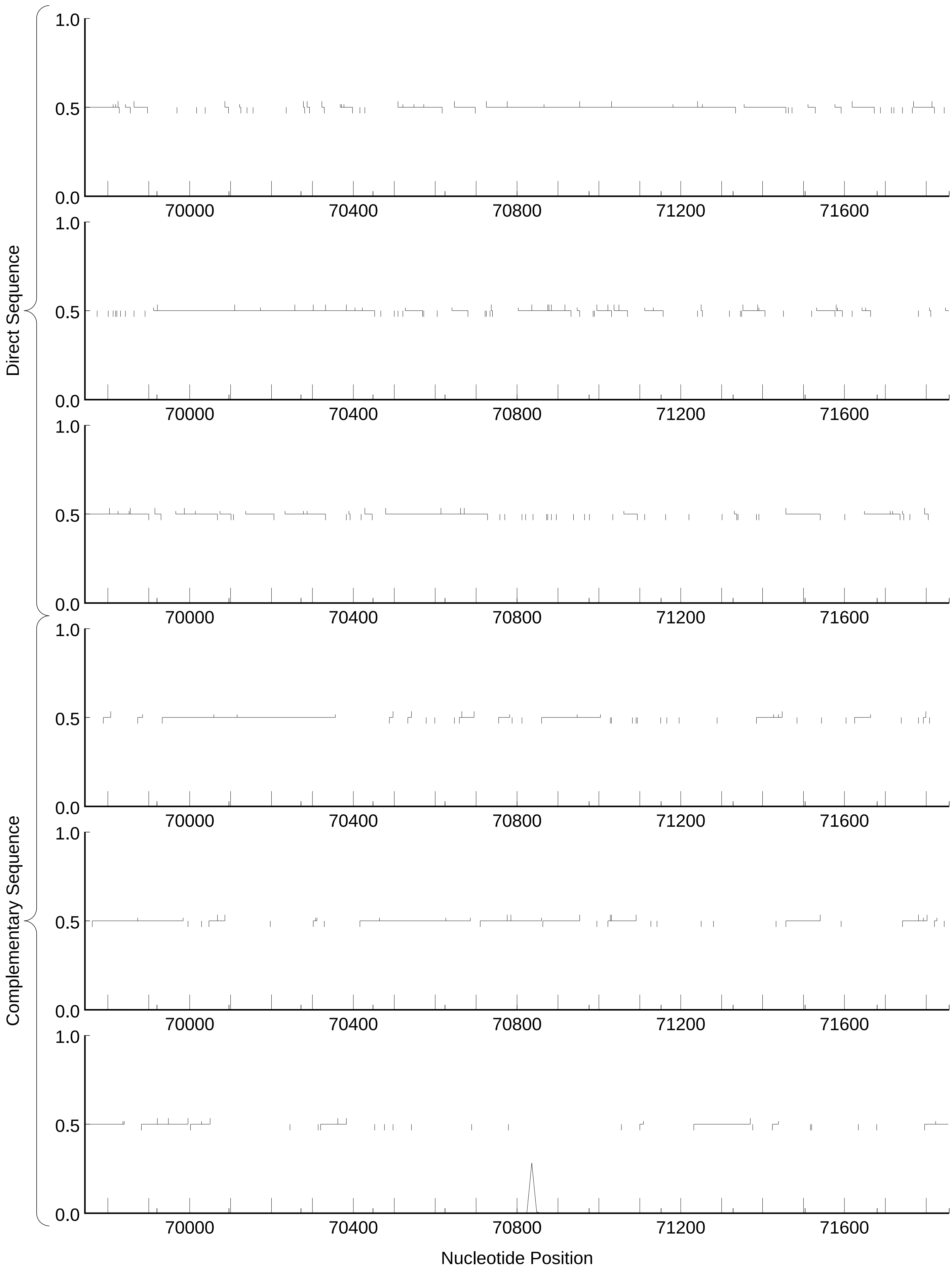




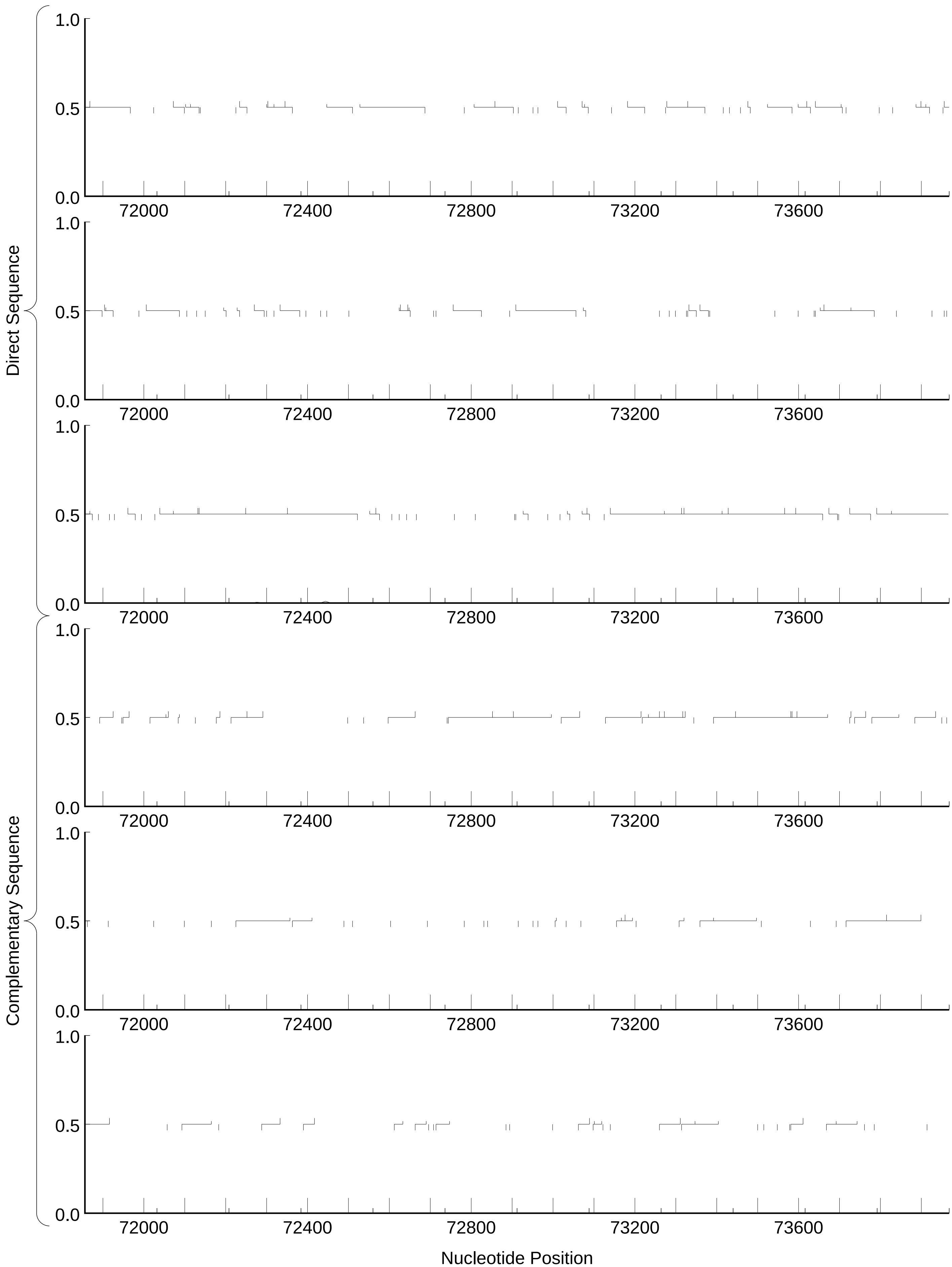
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 33/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
65600
66000
66400
66800
67200
67600
Nucleotide Position

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 34/64

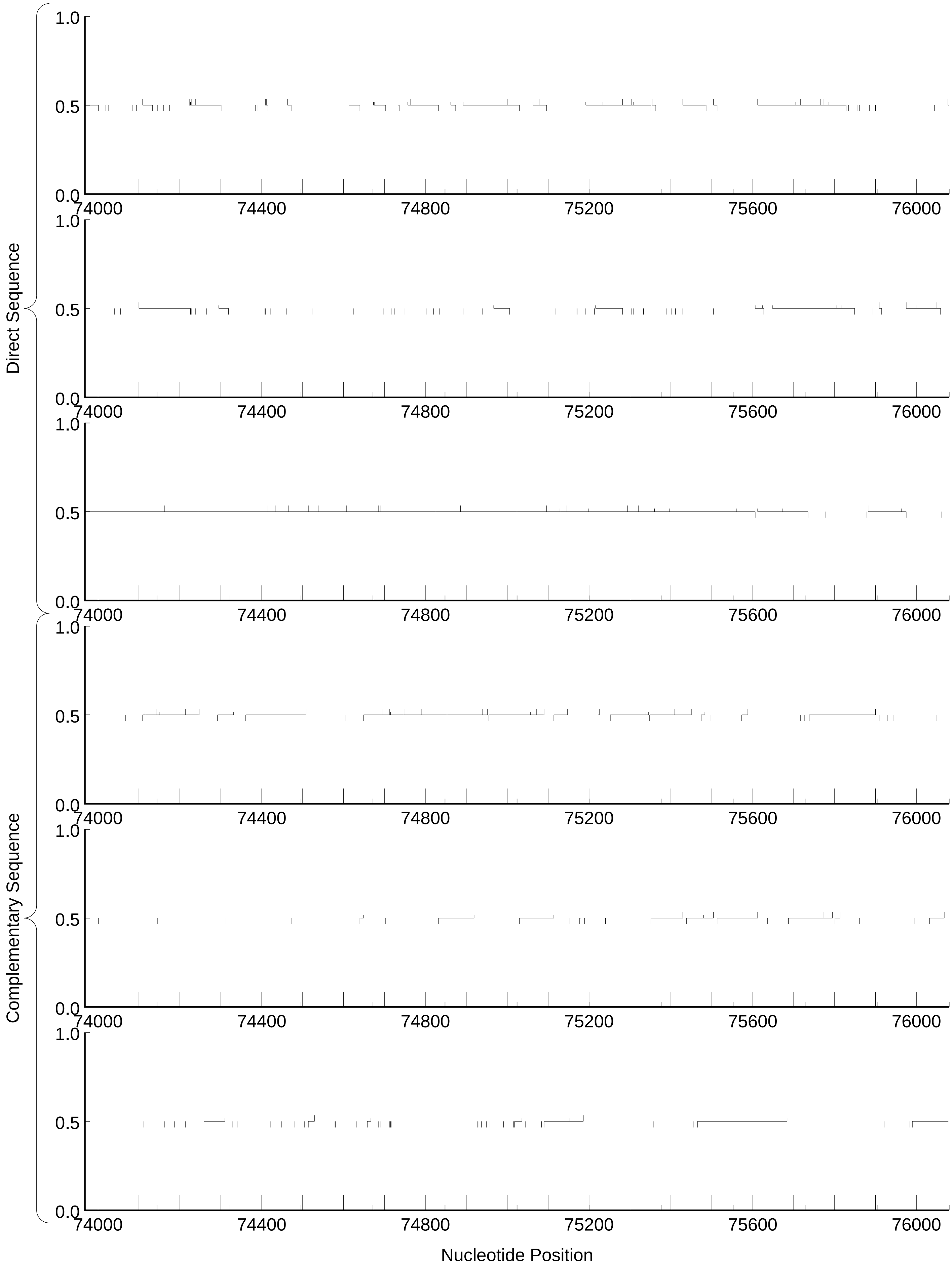



Direct Sequence
Complementary Sequence
1.0
0.5
0.0
70000
70400
70800
71200
71600
Nucleotide Position

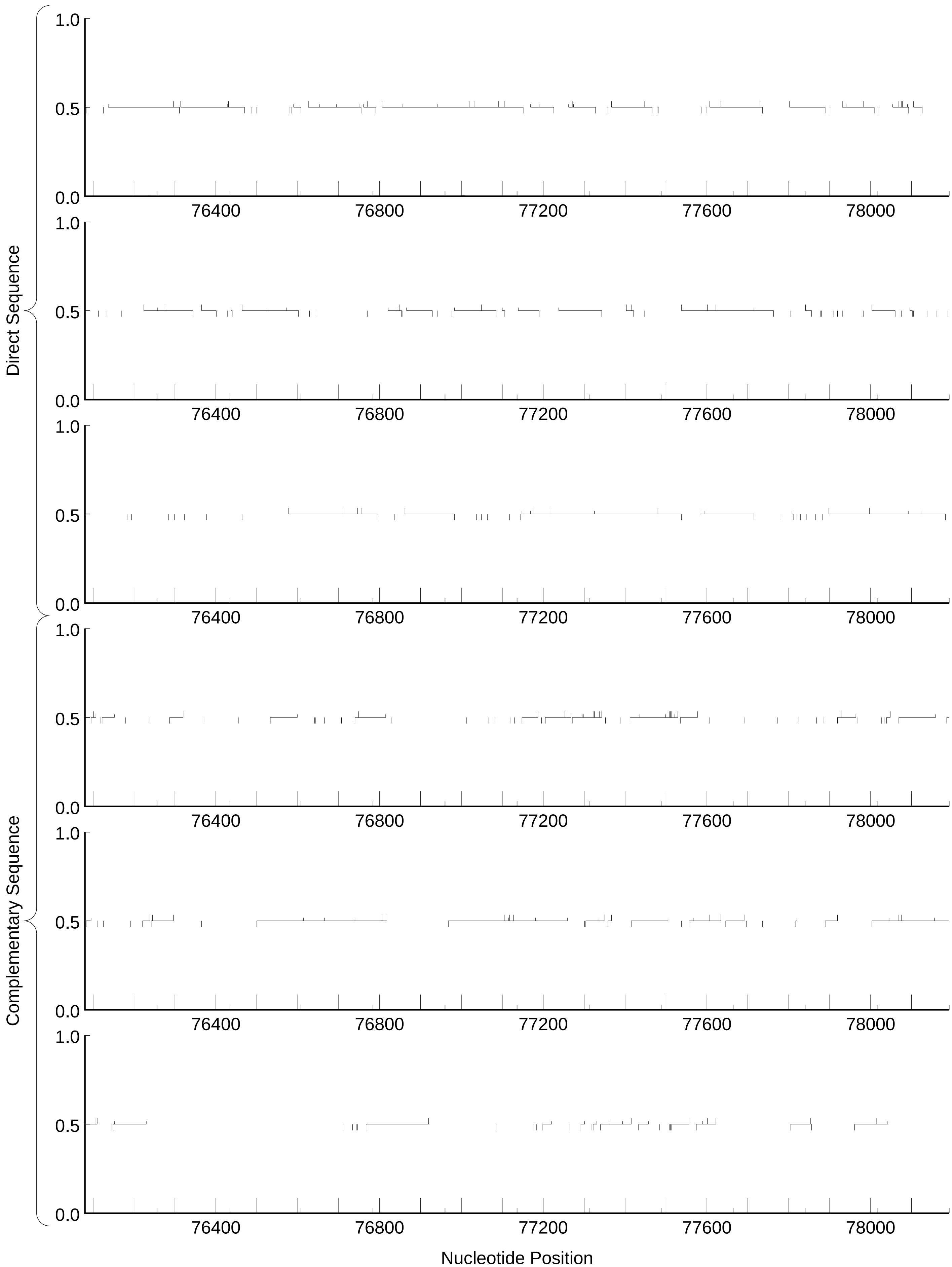
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 36/64

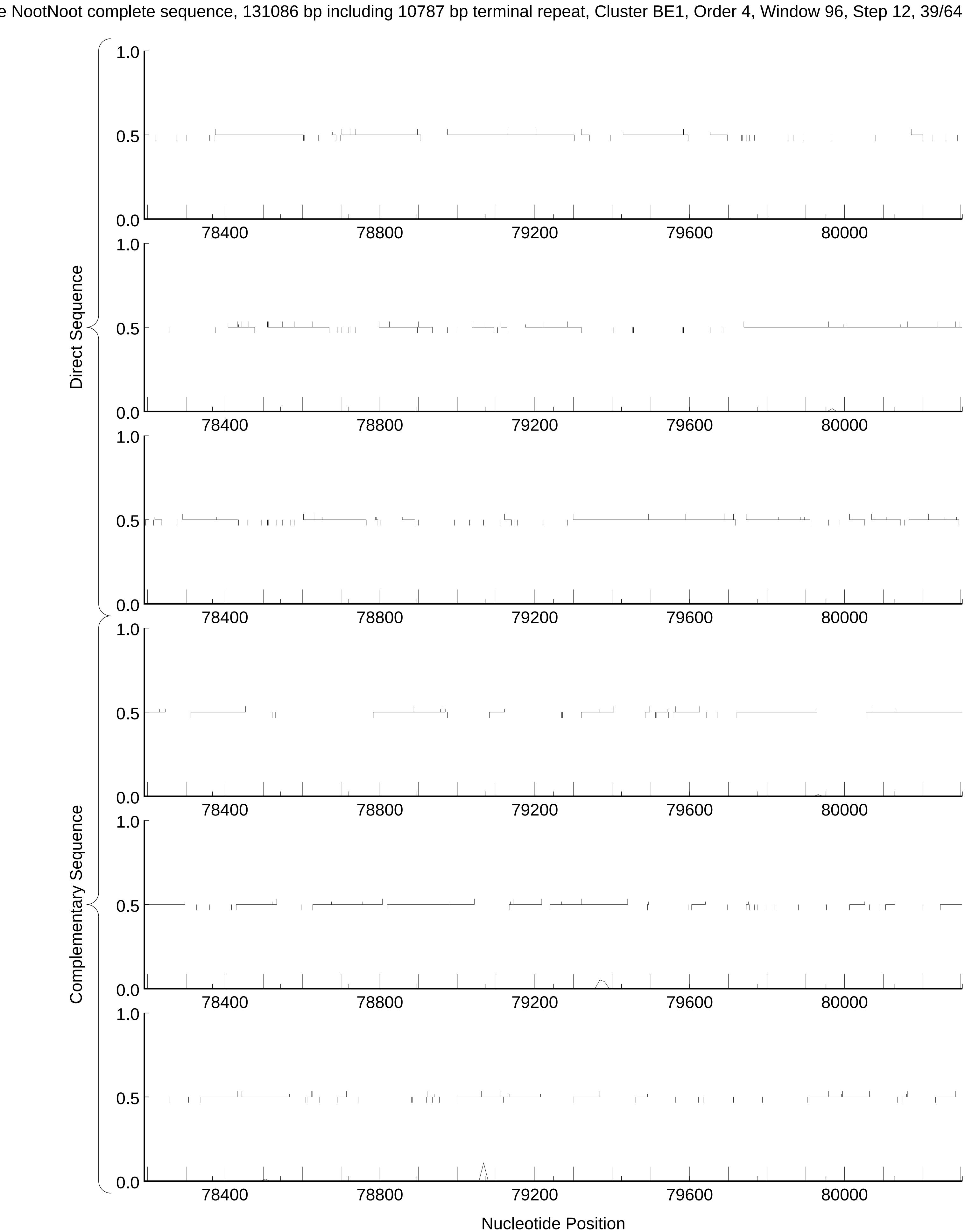


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 37/64

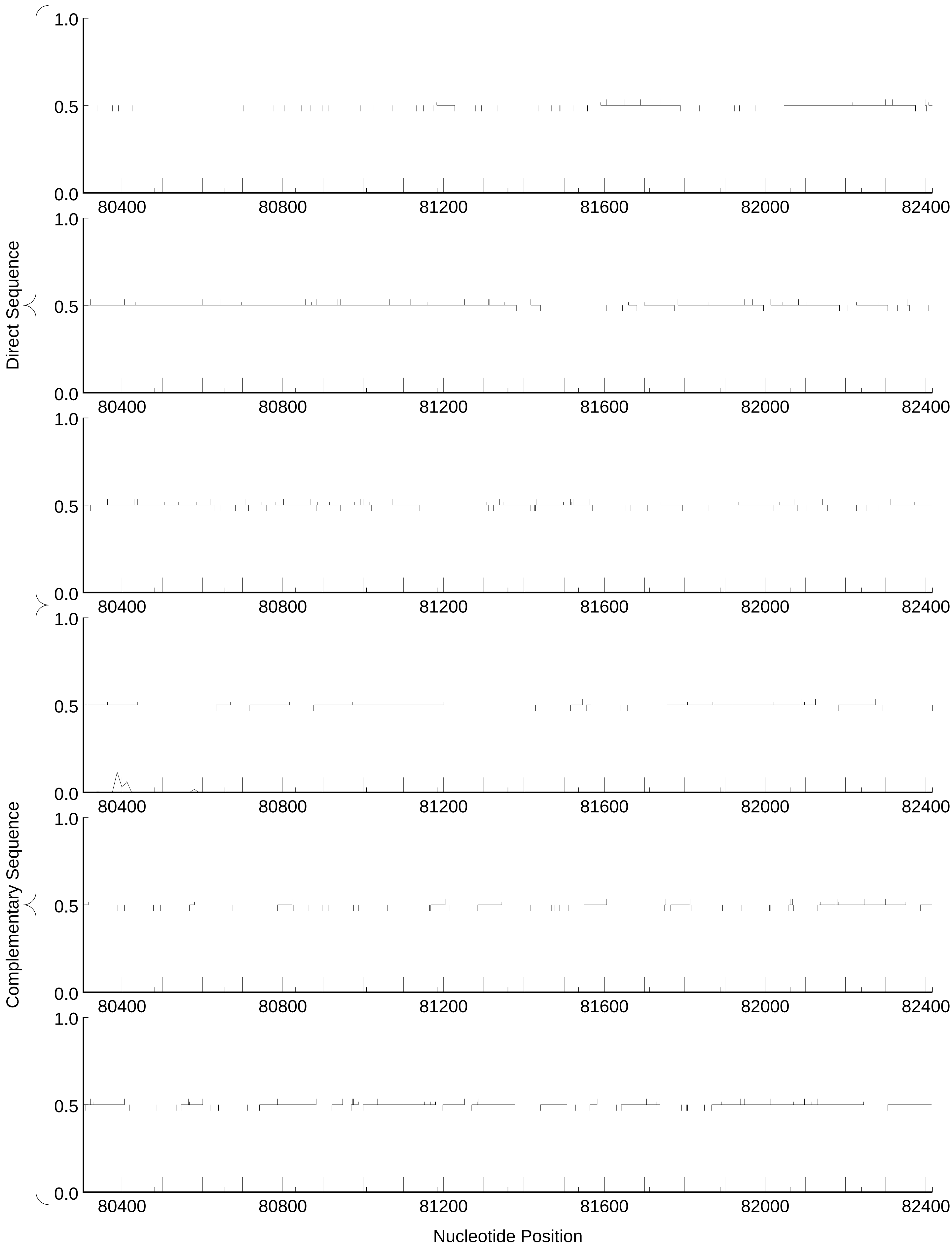


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 38/64

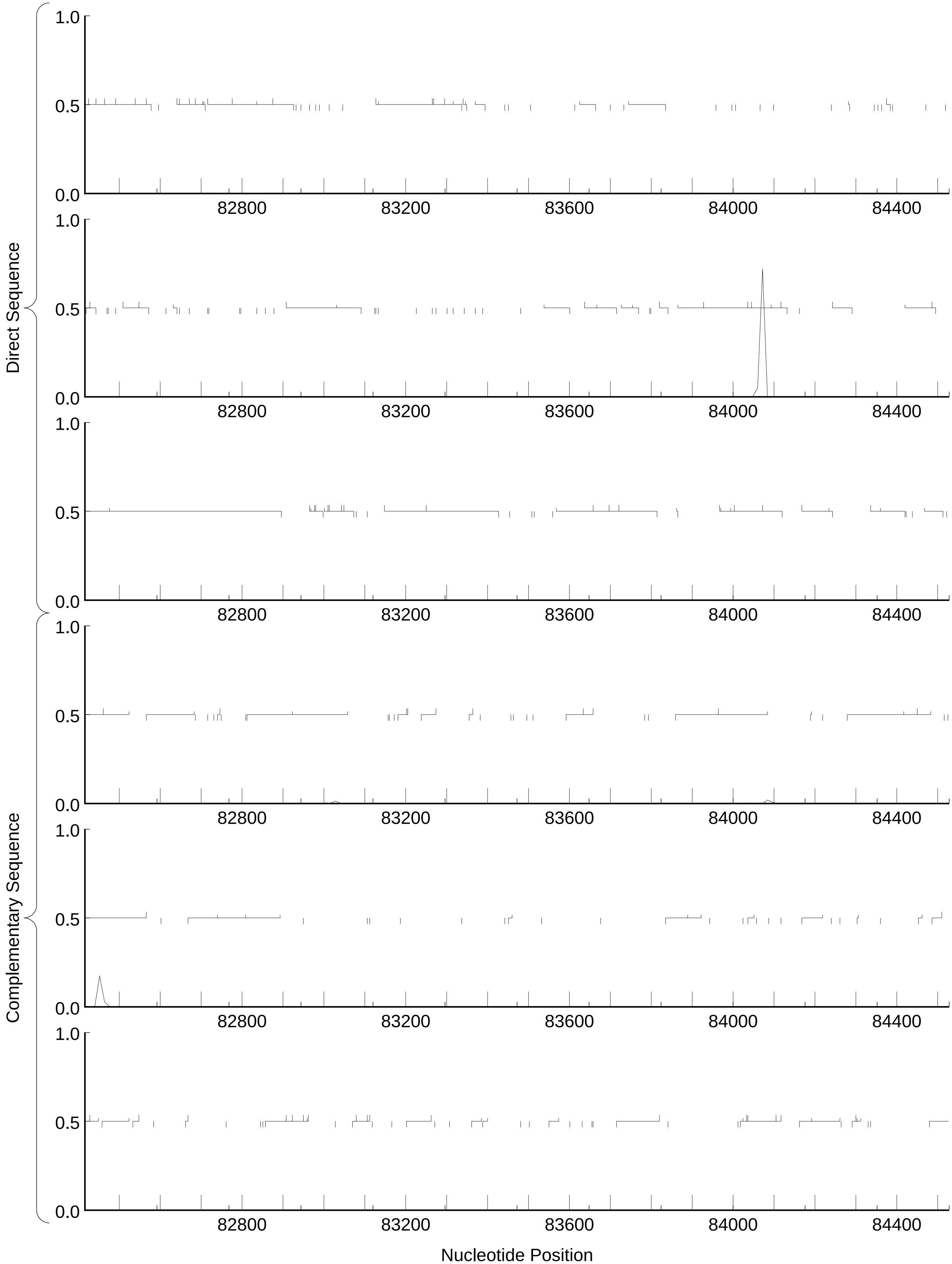


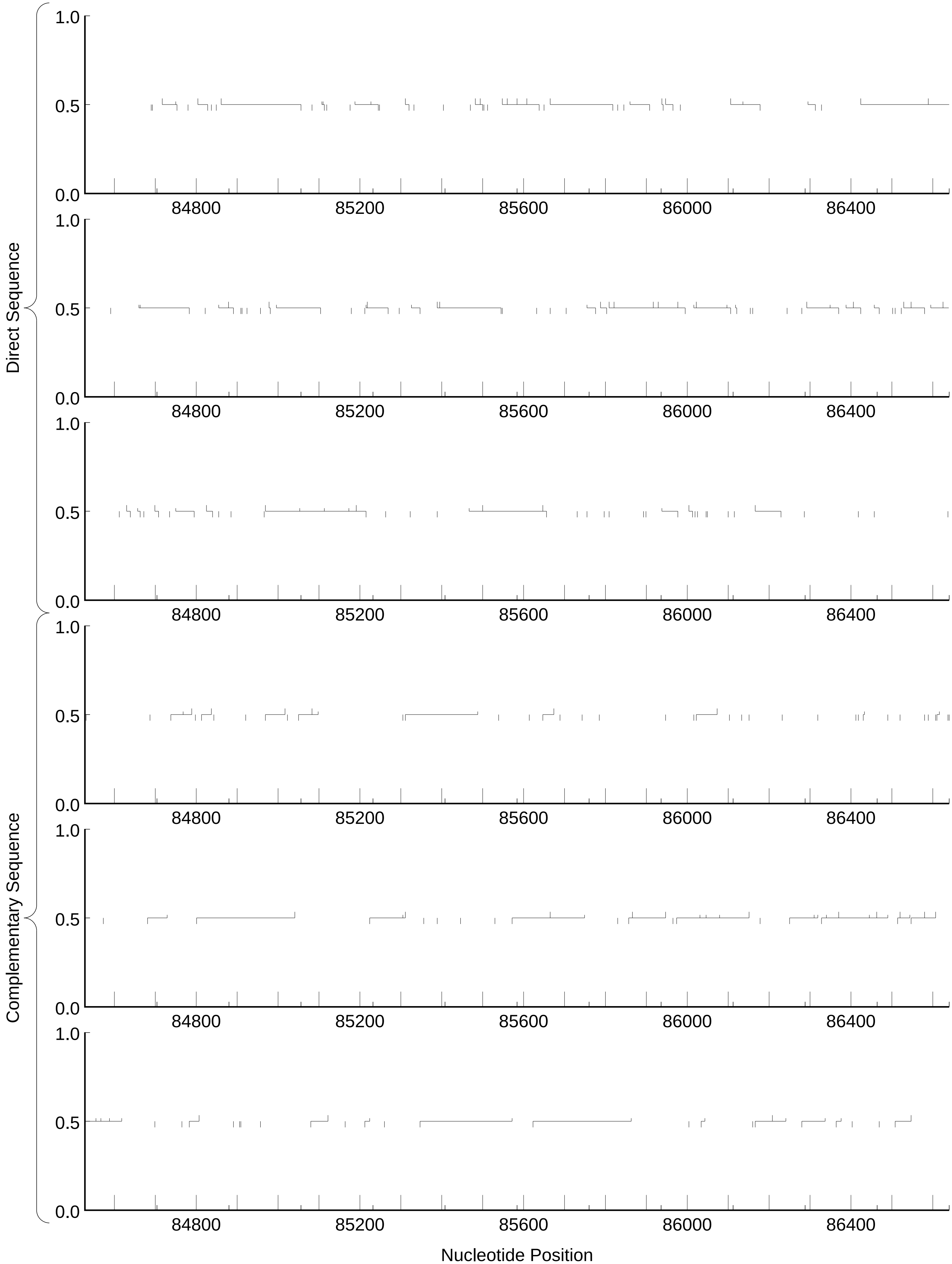

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 39/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
78400
78800
79200
79600
80000
Nucleotide Position

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 40/64

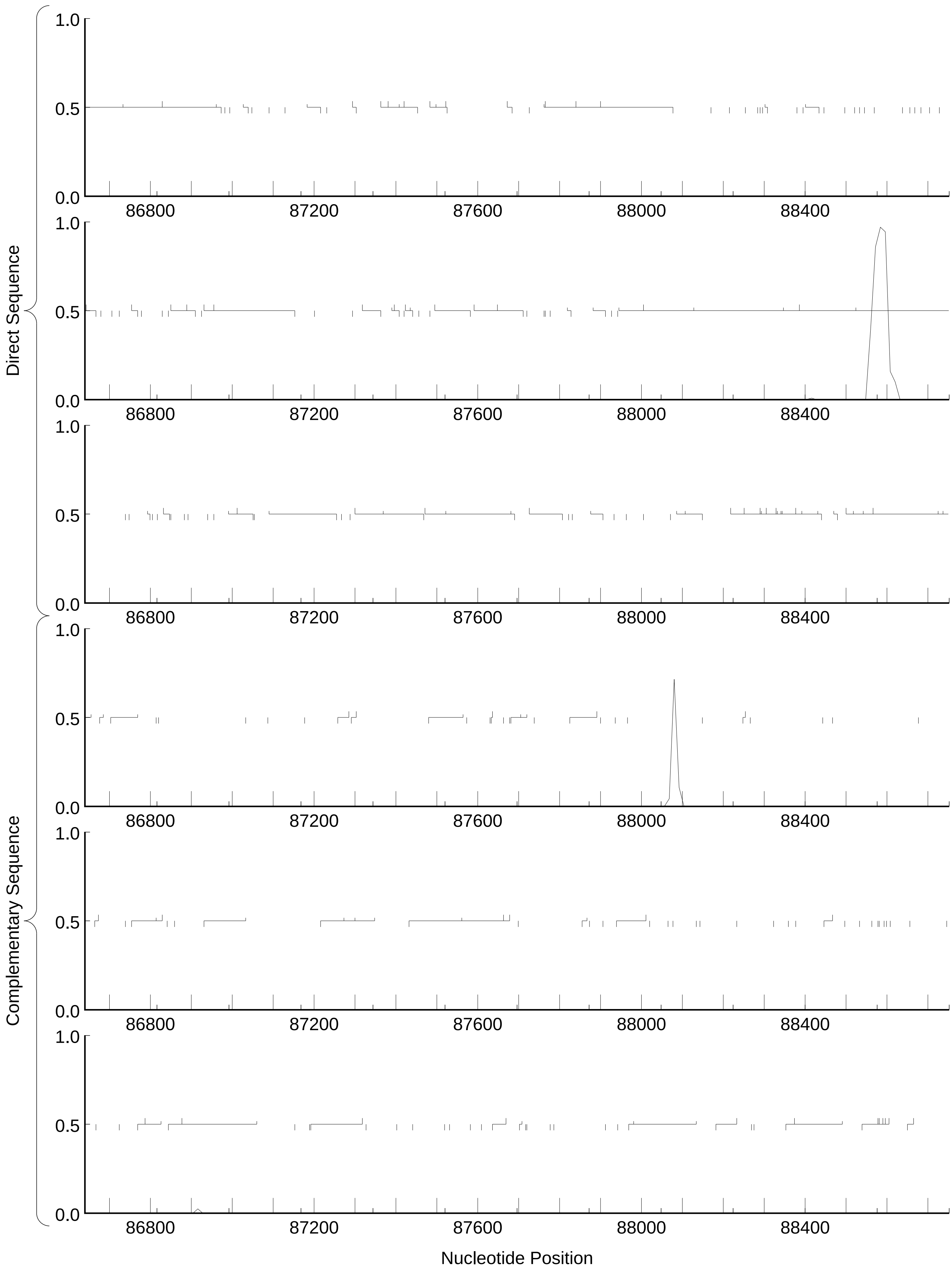


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 41/64

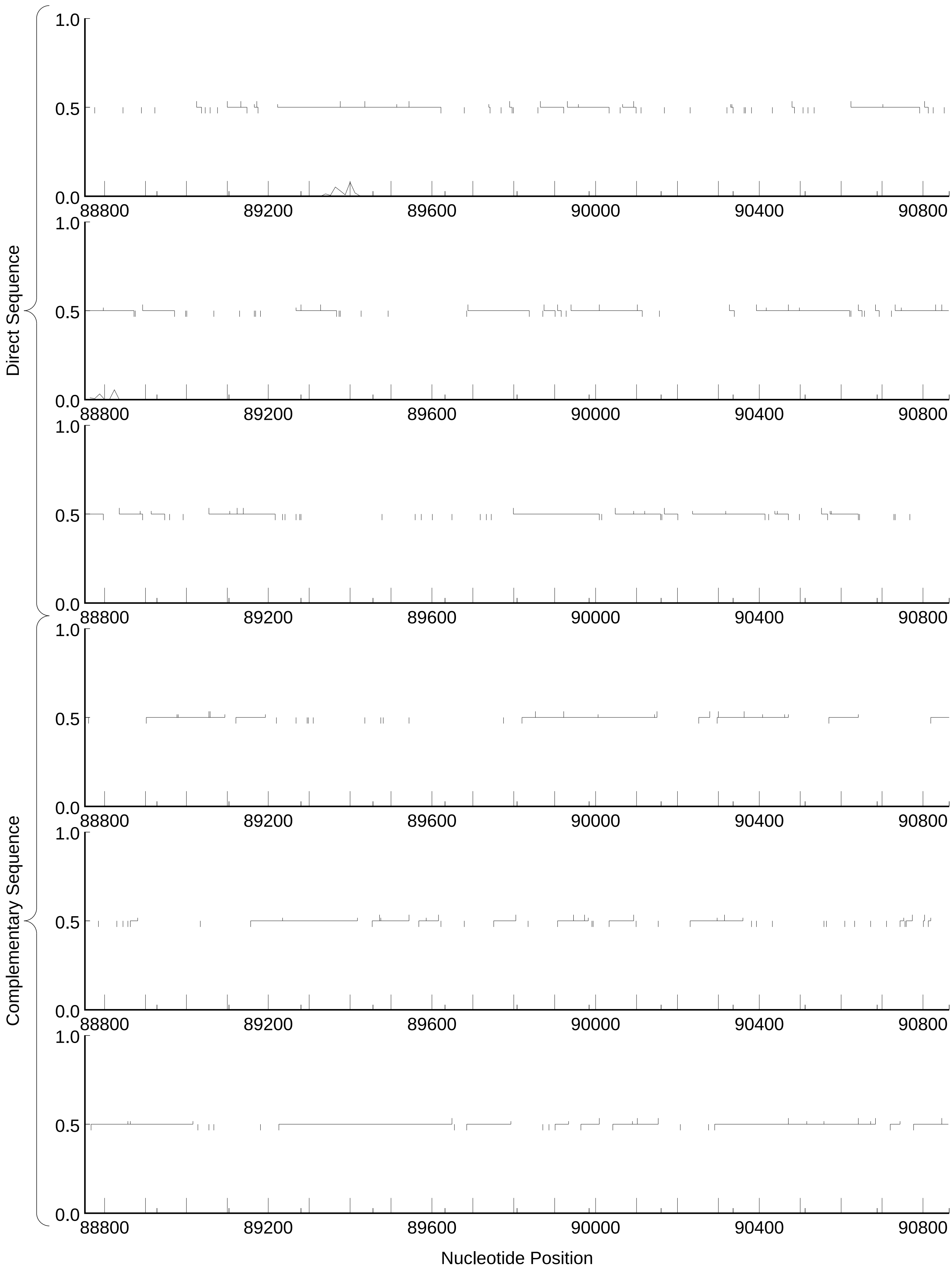


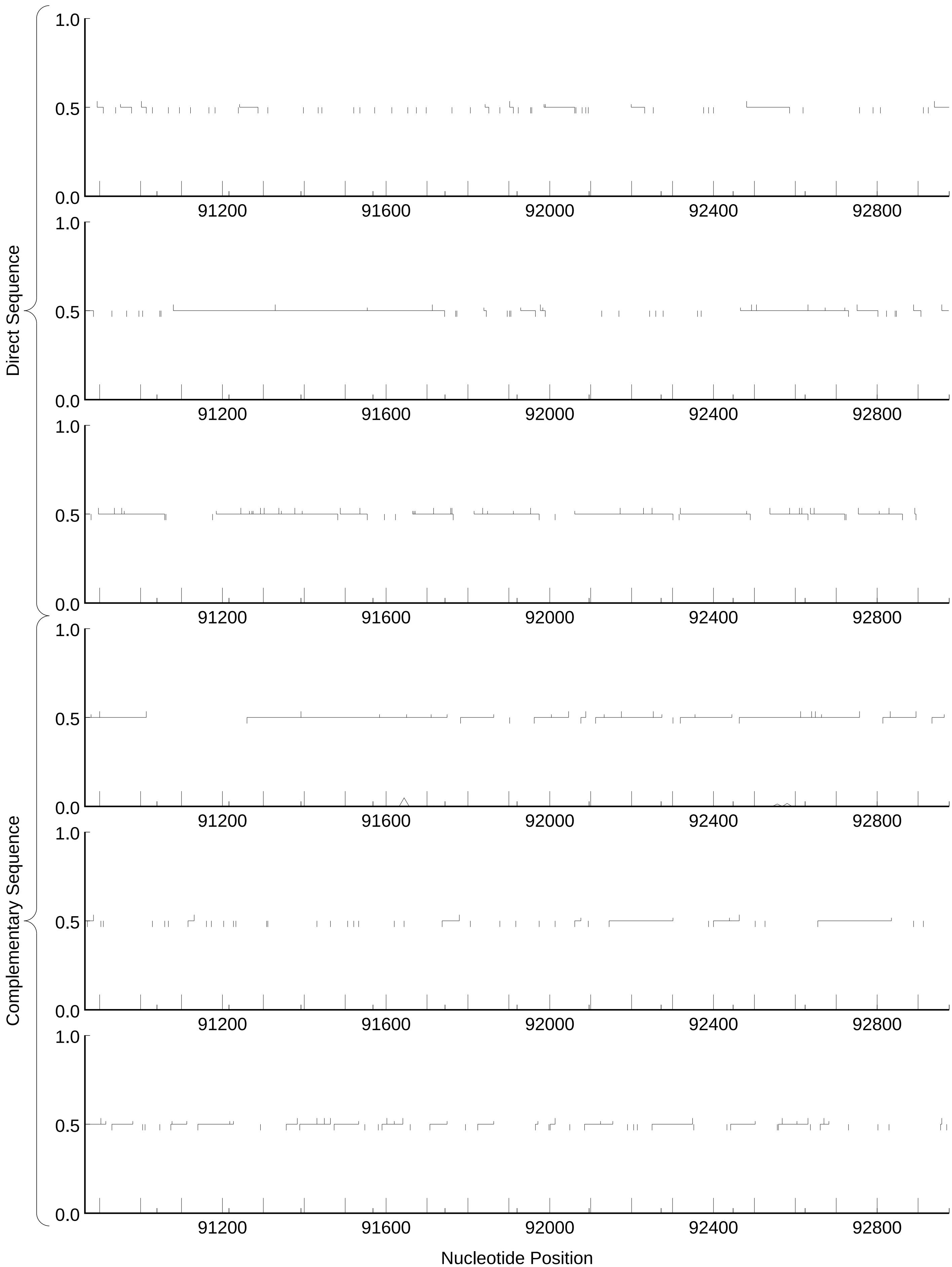


Direct Sequence
Complementary Sequence
1.0
0.5
0.0
84800
85200
85600
86000
86400
Nucleotide Position

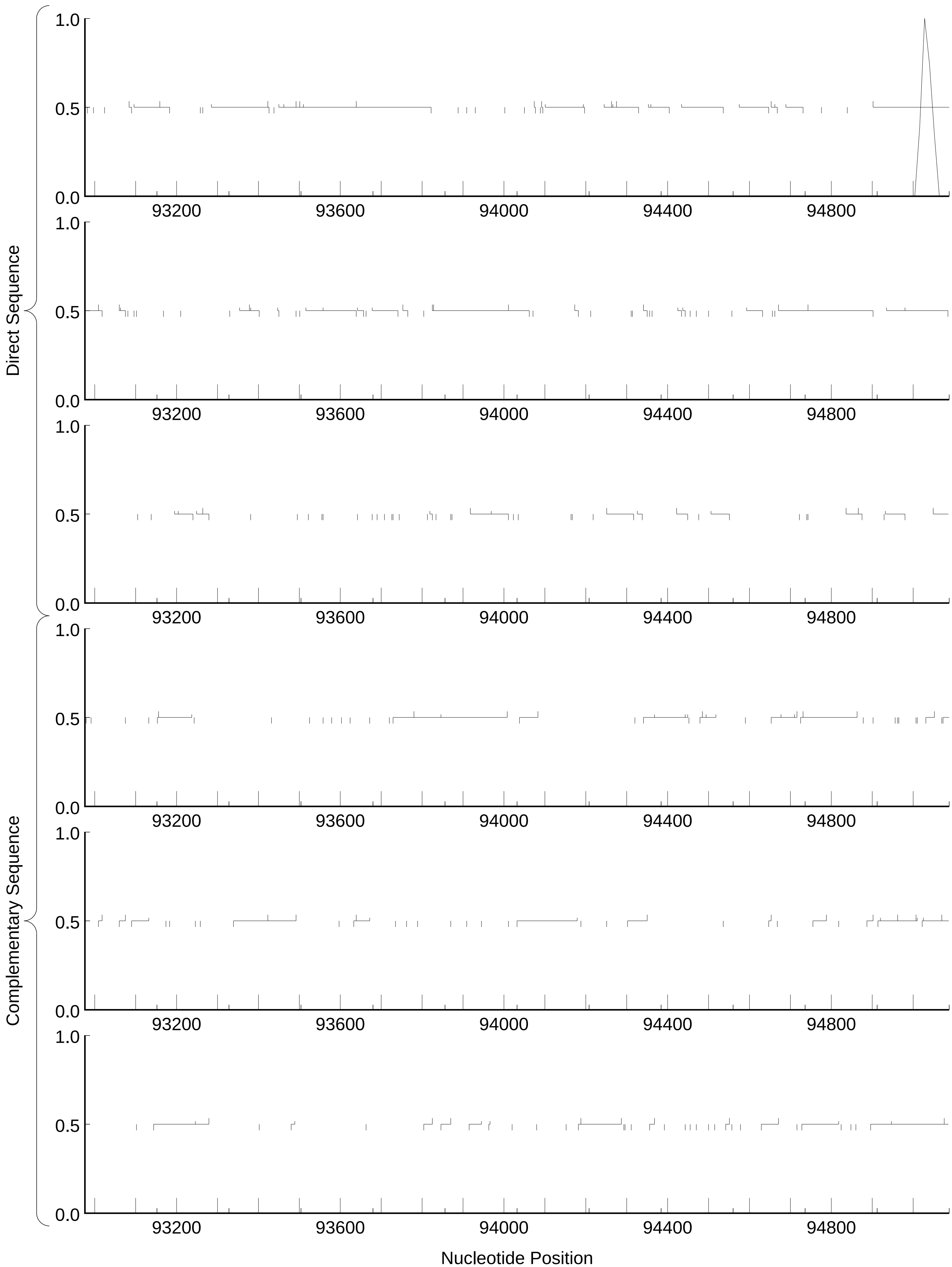

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
86800
87200
87600
88000
88400
Nucleotide Position

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 44/64

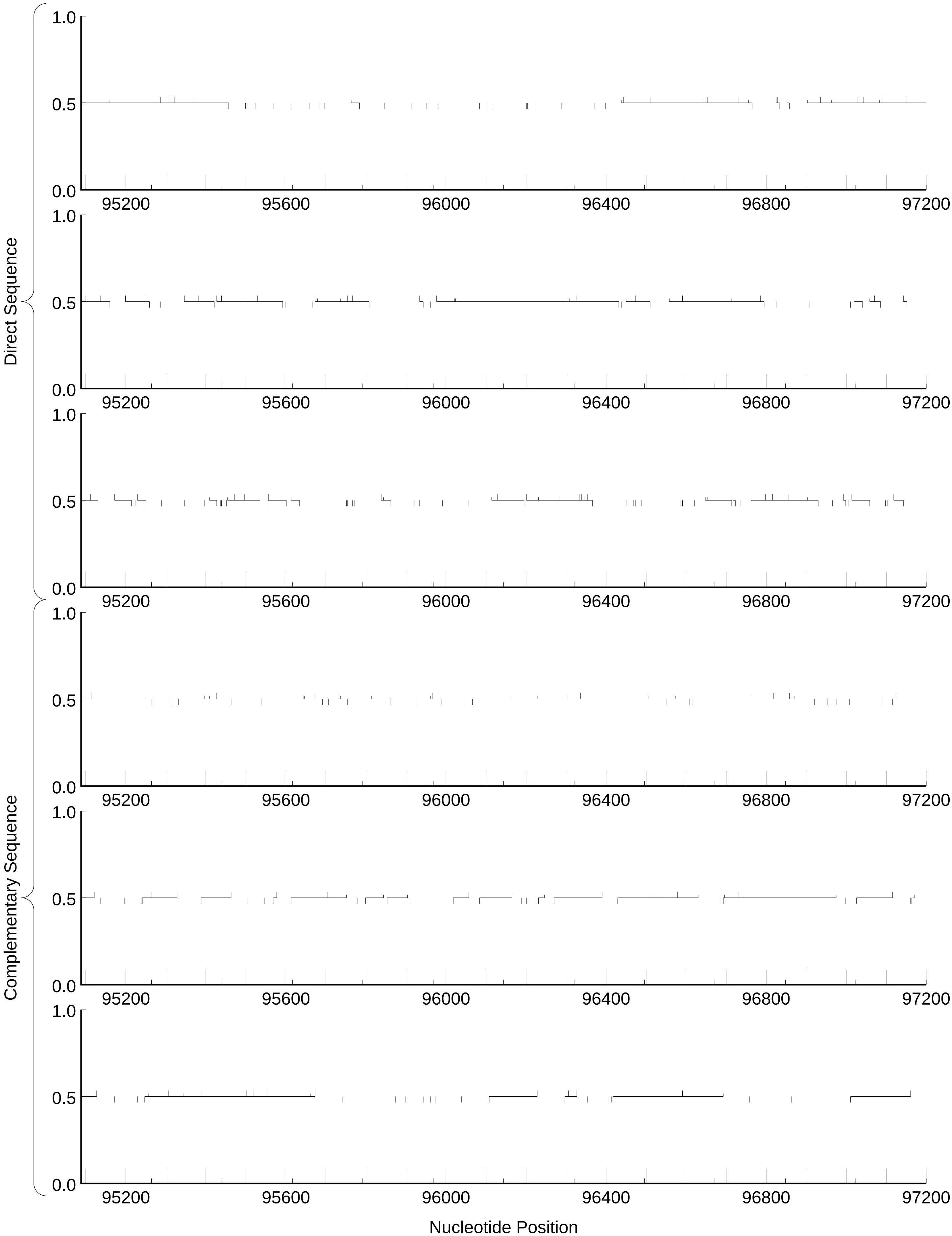


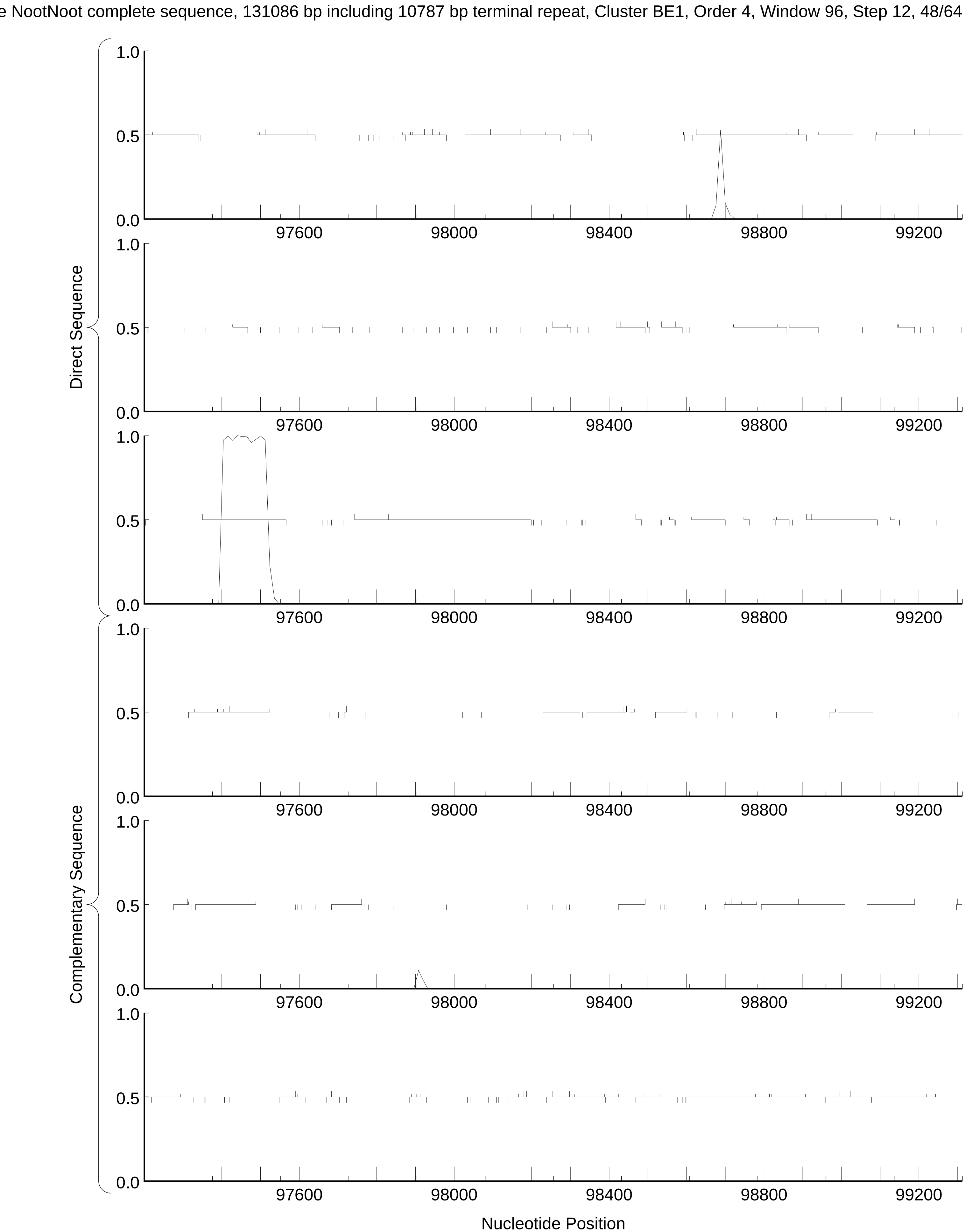

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
91200
91600
92000
92400
92800
Nucleotide Position

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 46/64

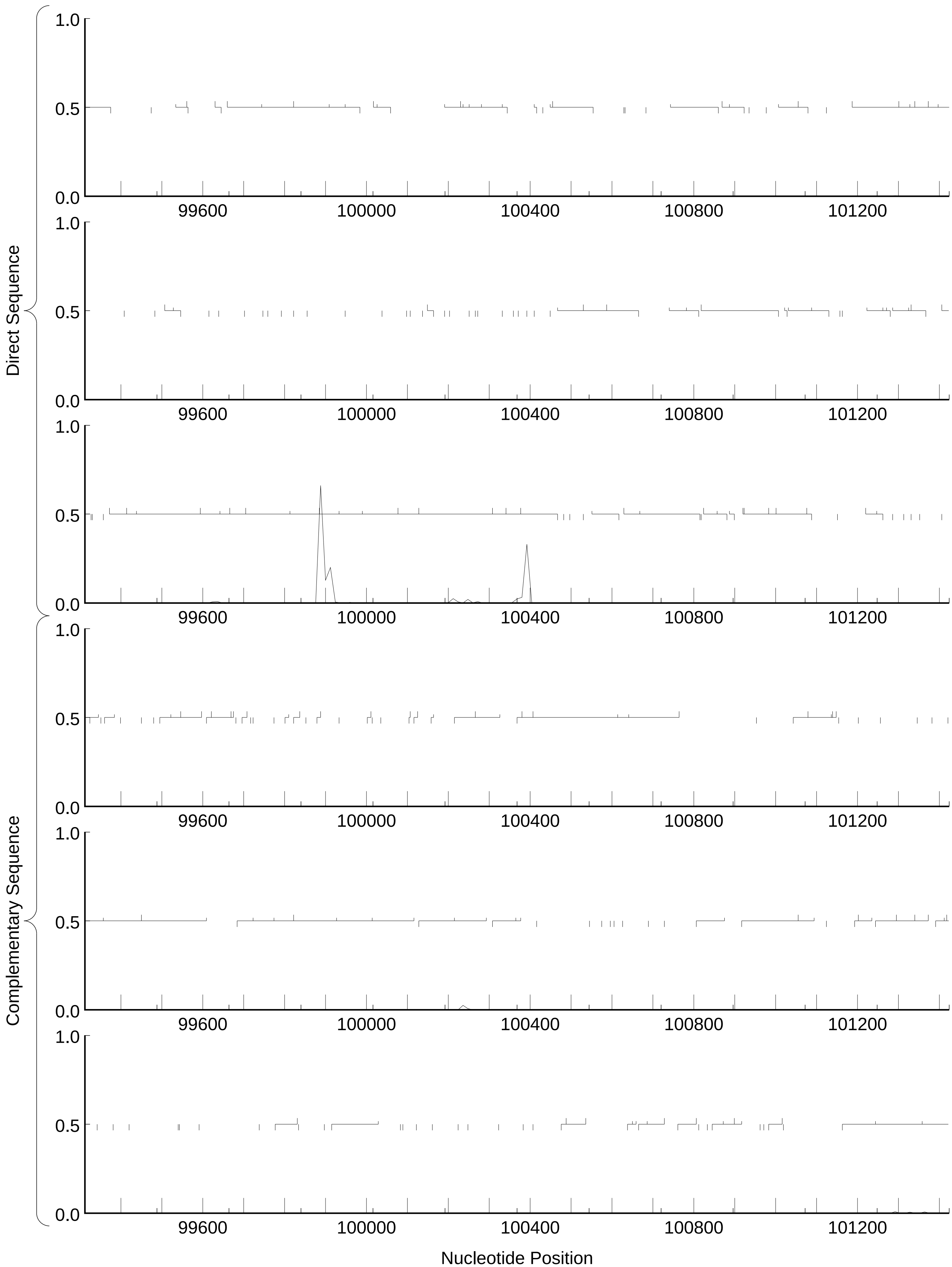


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 47/64

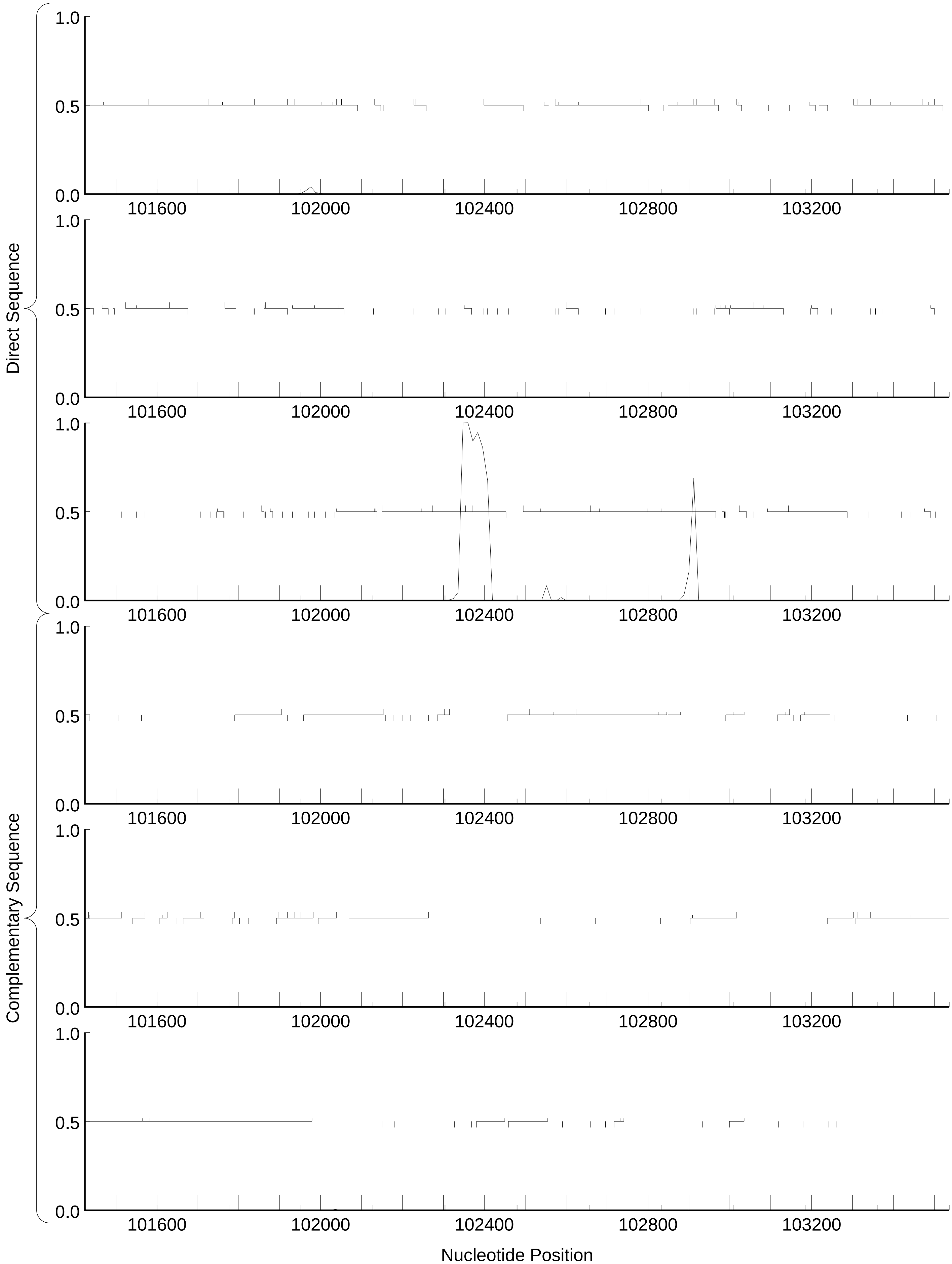



e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 48/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
97600
98000
98400
98800
99200
Nucleotide Position

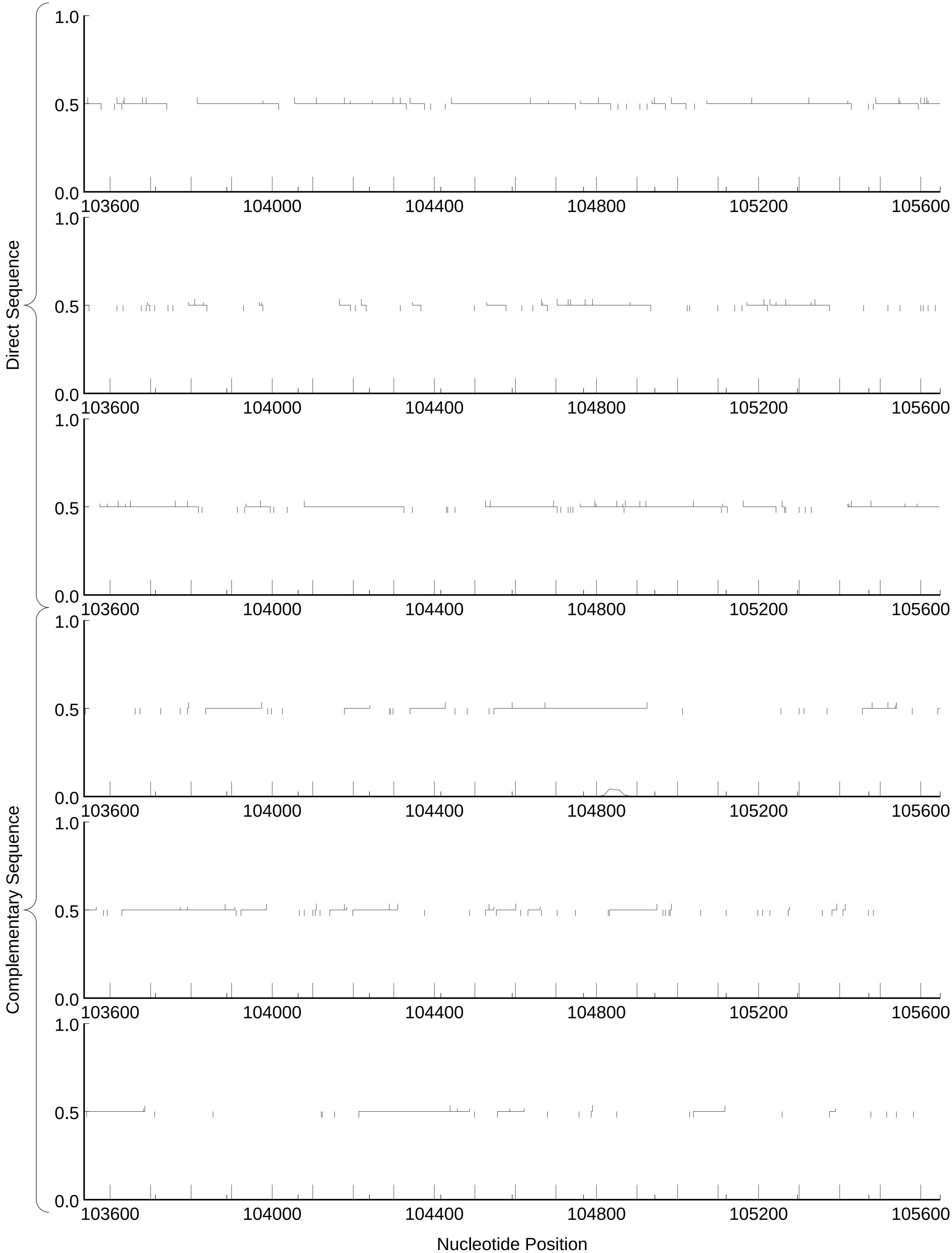
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 49/64

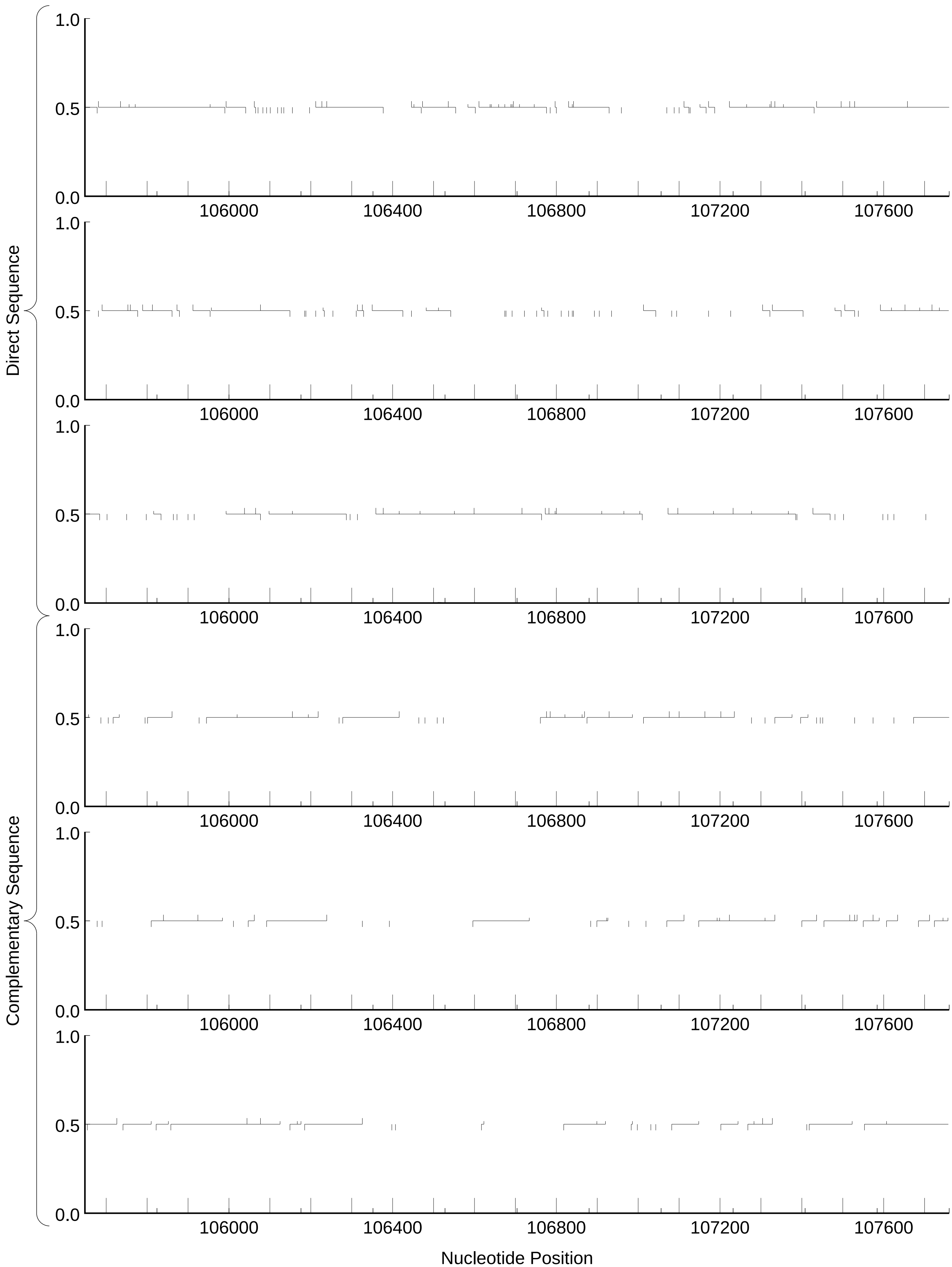


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 50/64



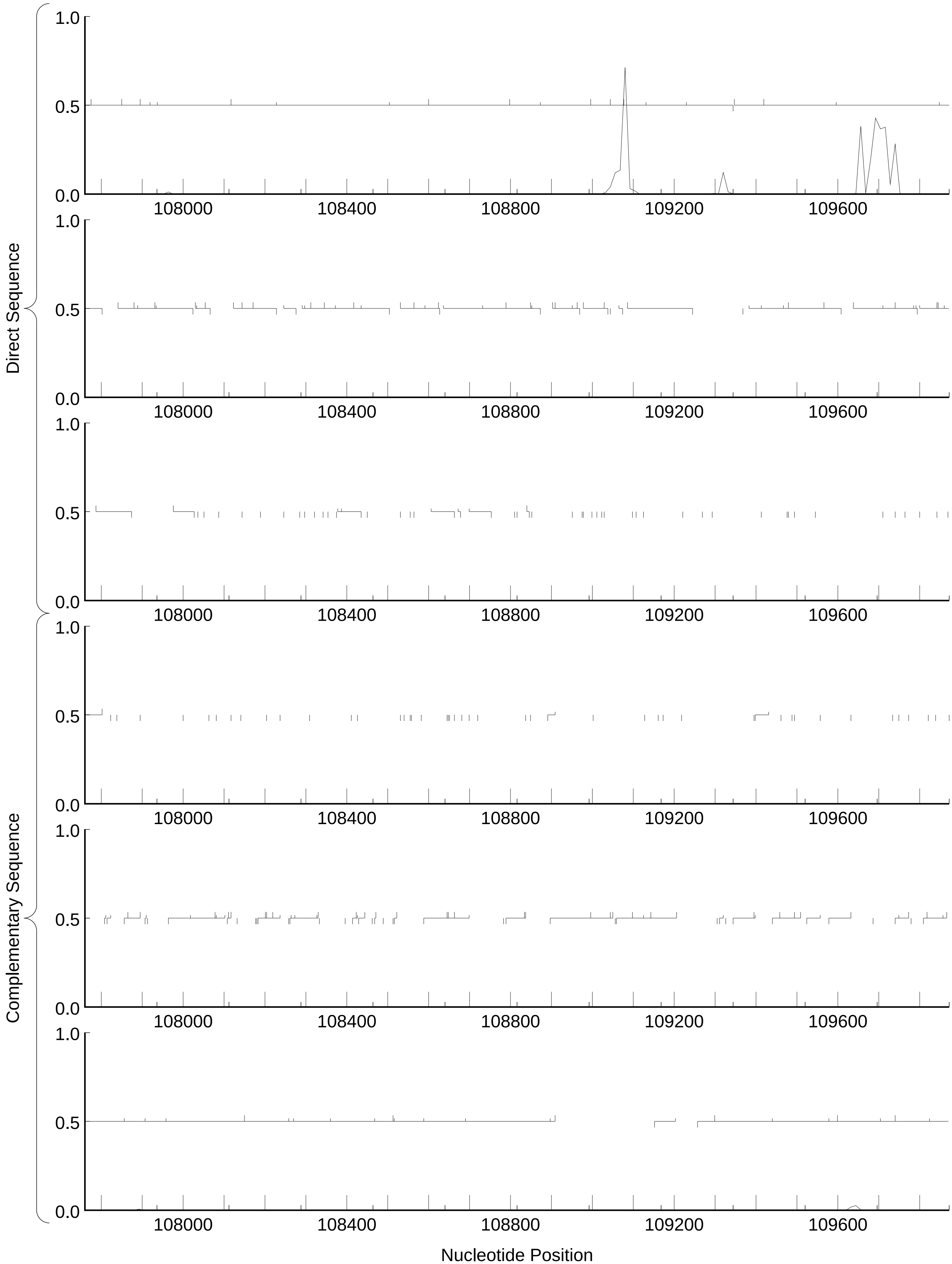
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 51/64



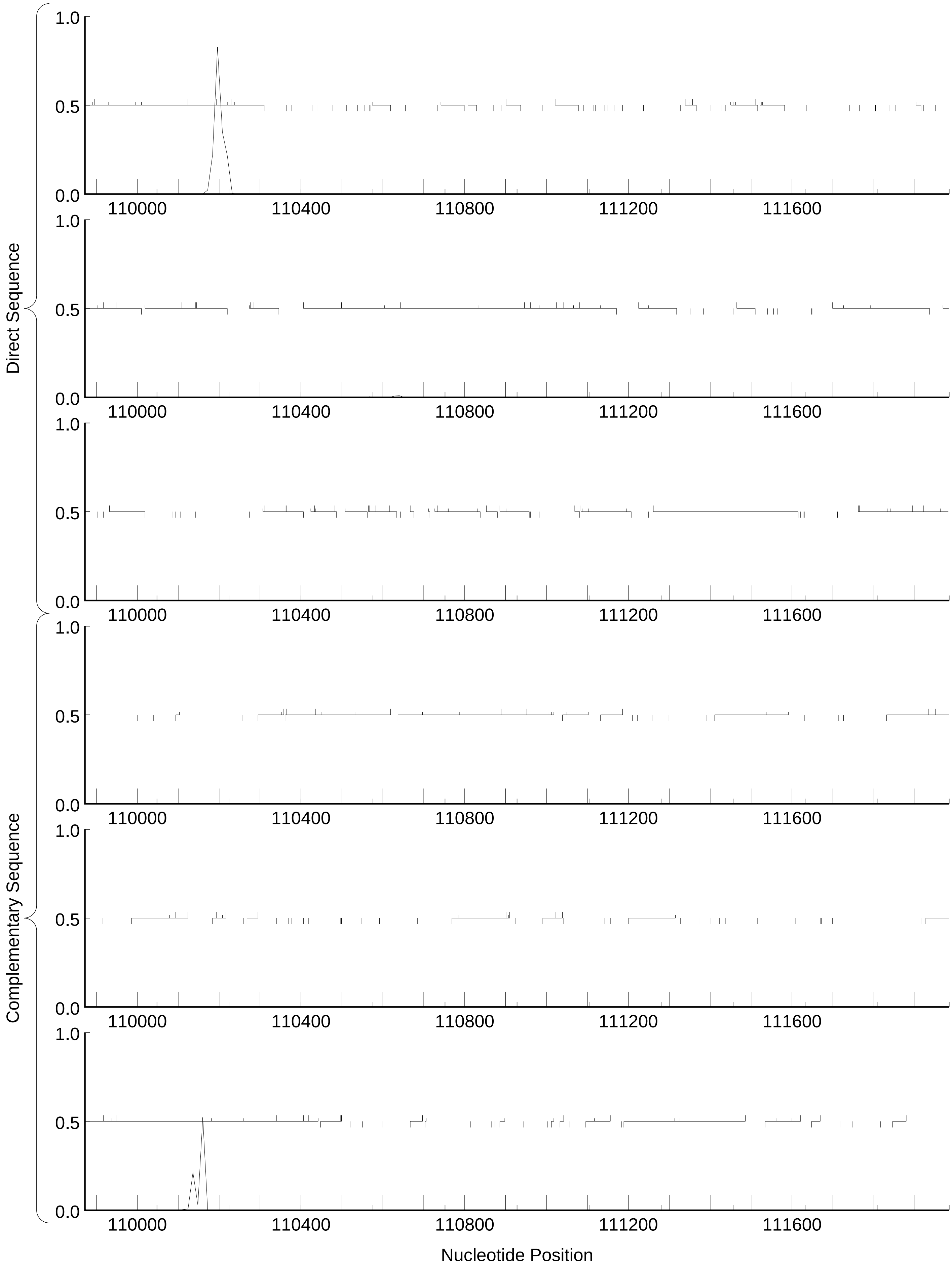


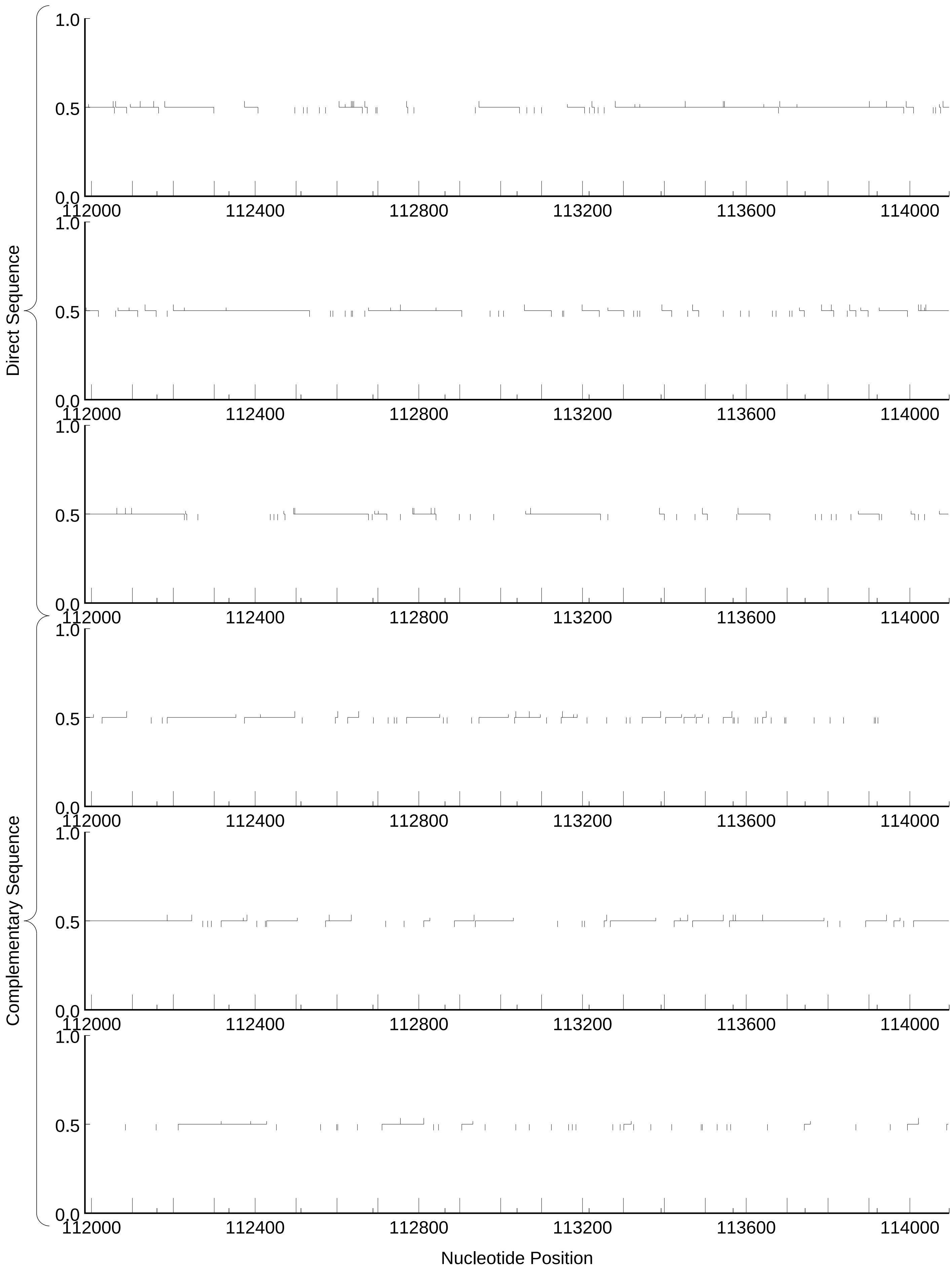
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
106000
106400
106800
107200
107600
Nucleotide Position

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 53/64

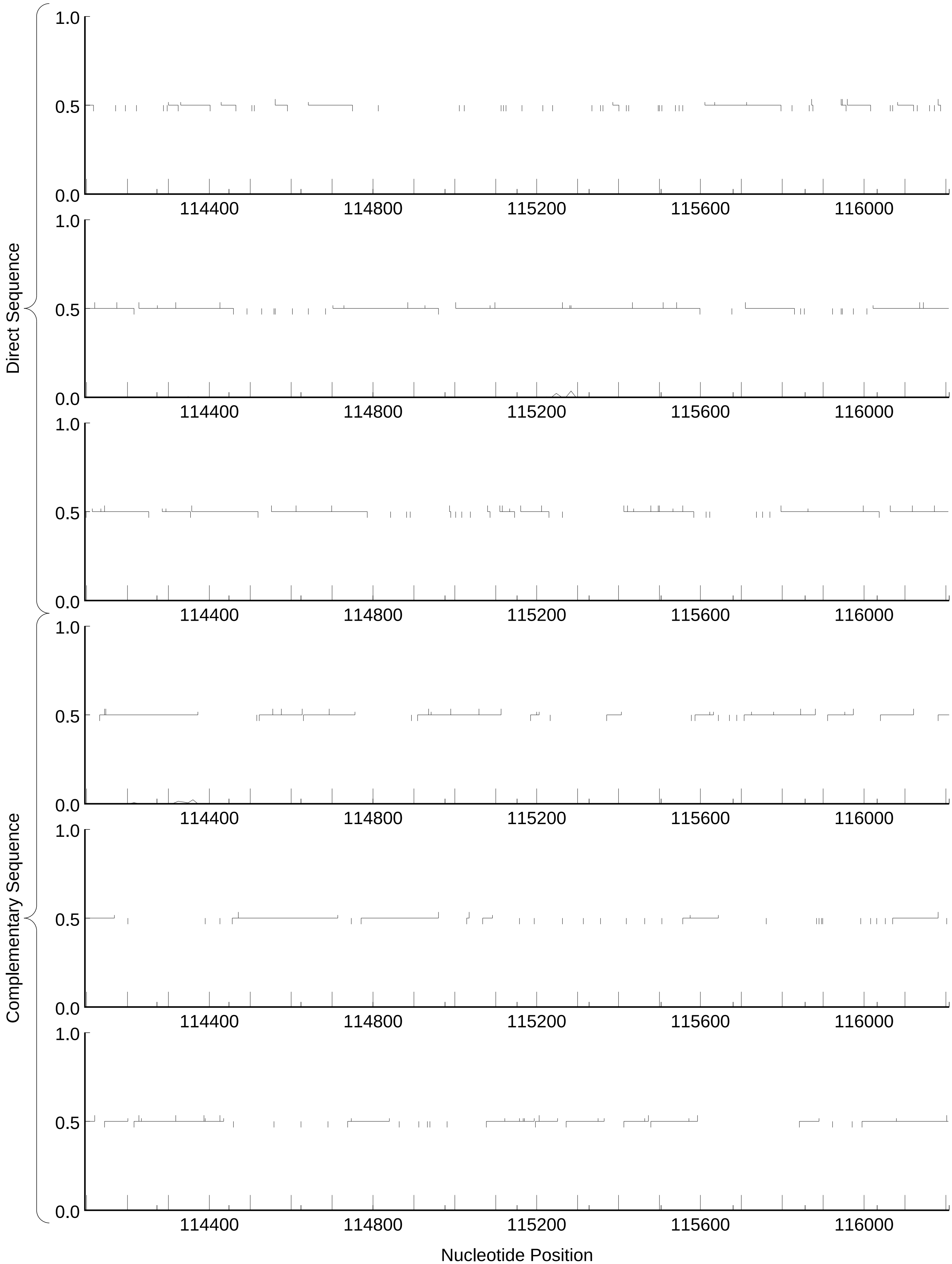


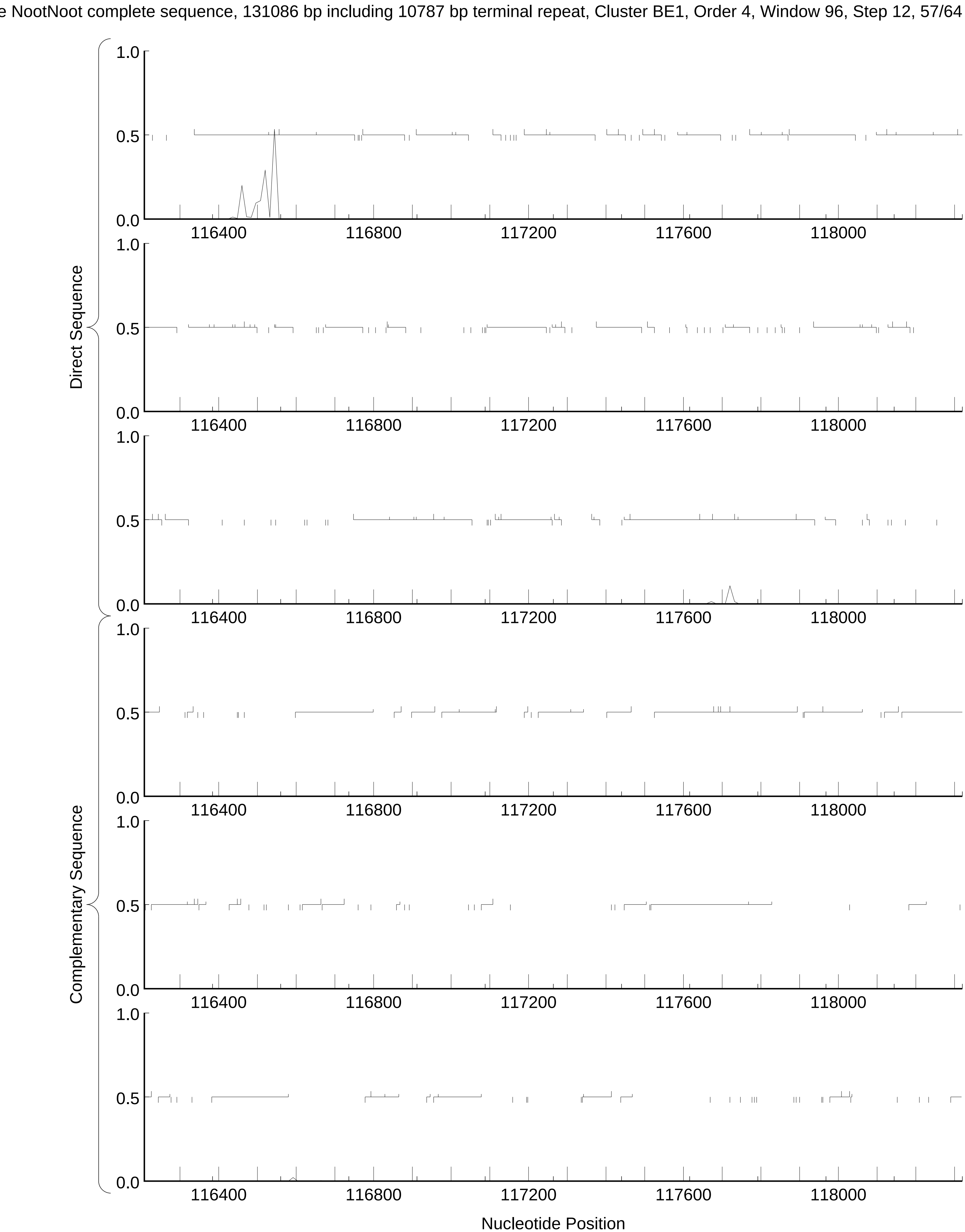
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 54/64



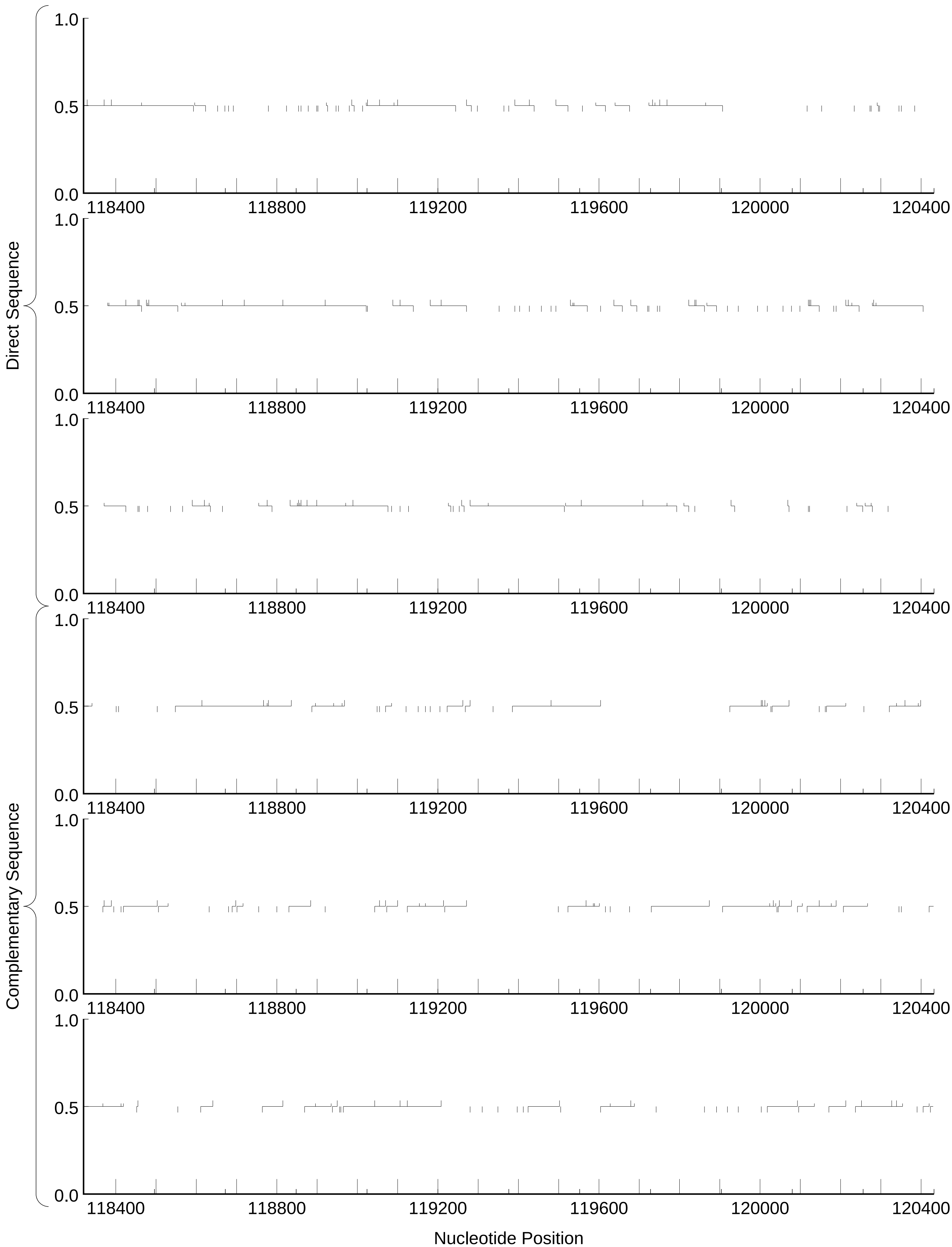

Direct Sequence
Complementary Sequence
1.0
0.5
0.0
112000
112400
112800
113200
113600
114000
Nucleotide Position

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 56/64

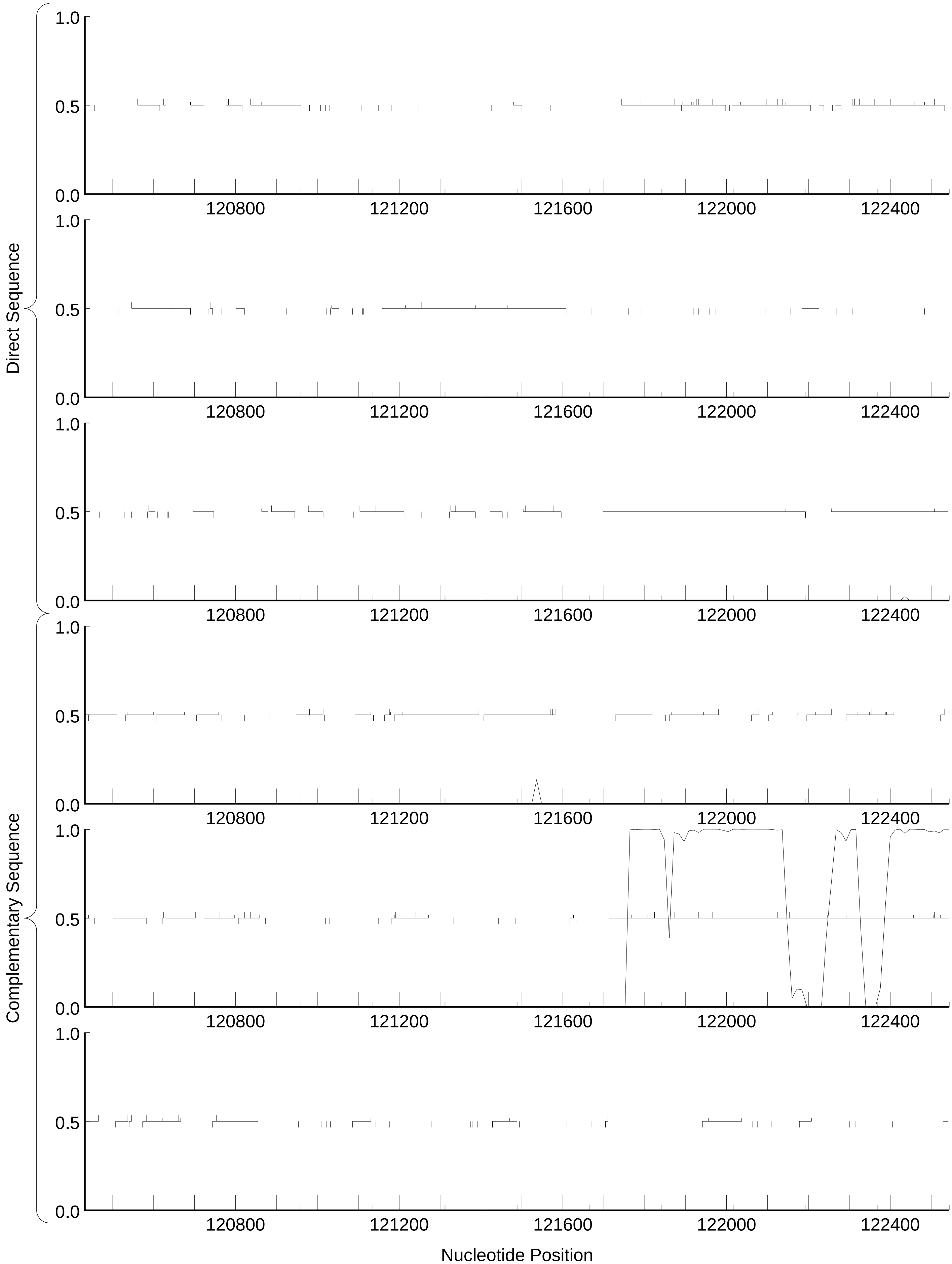



e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 57/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
116400
116800
117200
117600
118000
Nucleotide Position

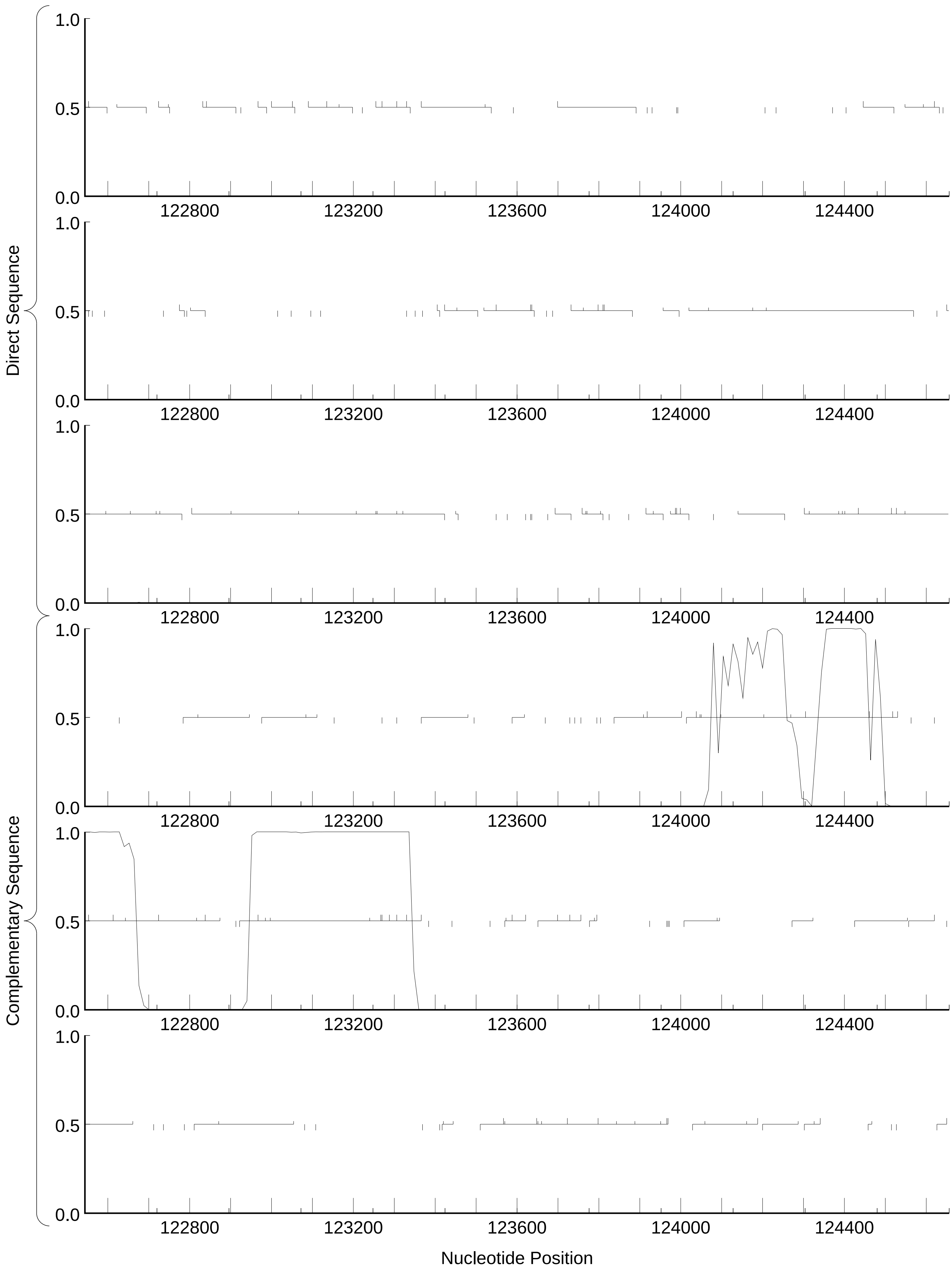
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 58/64

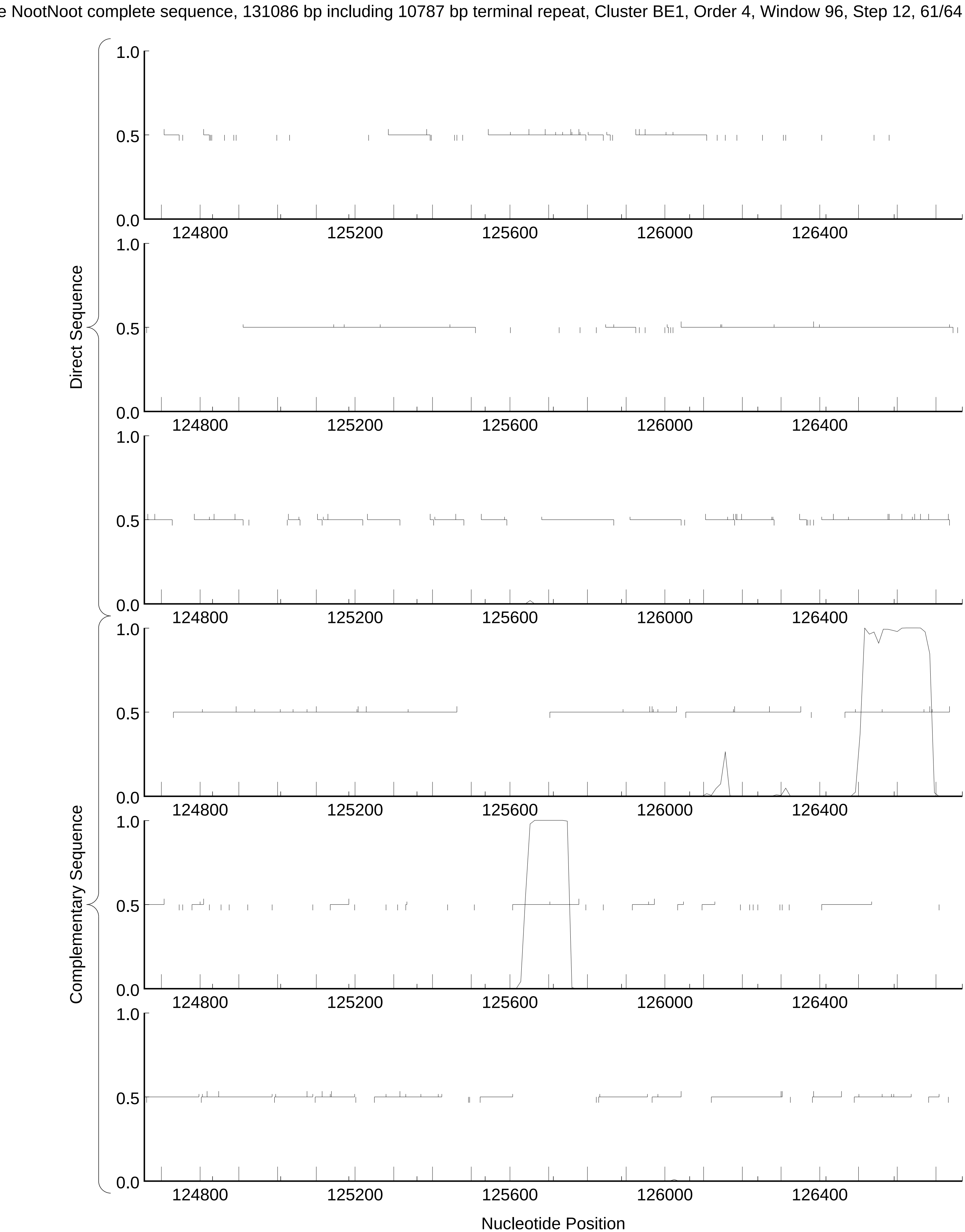


e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 59/64



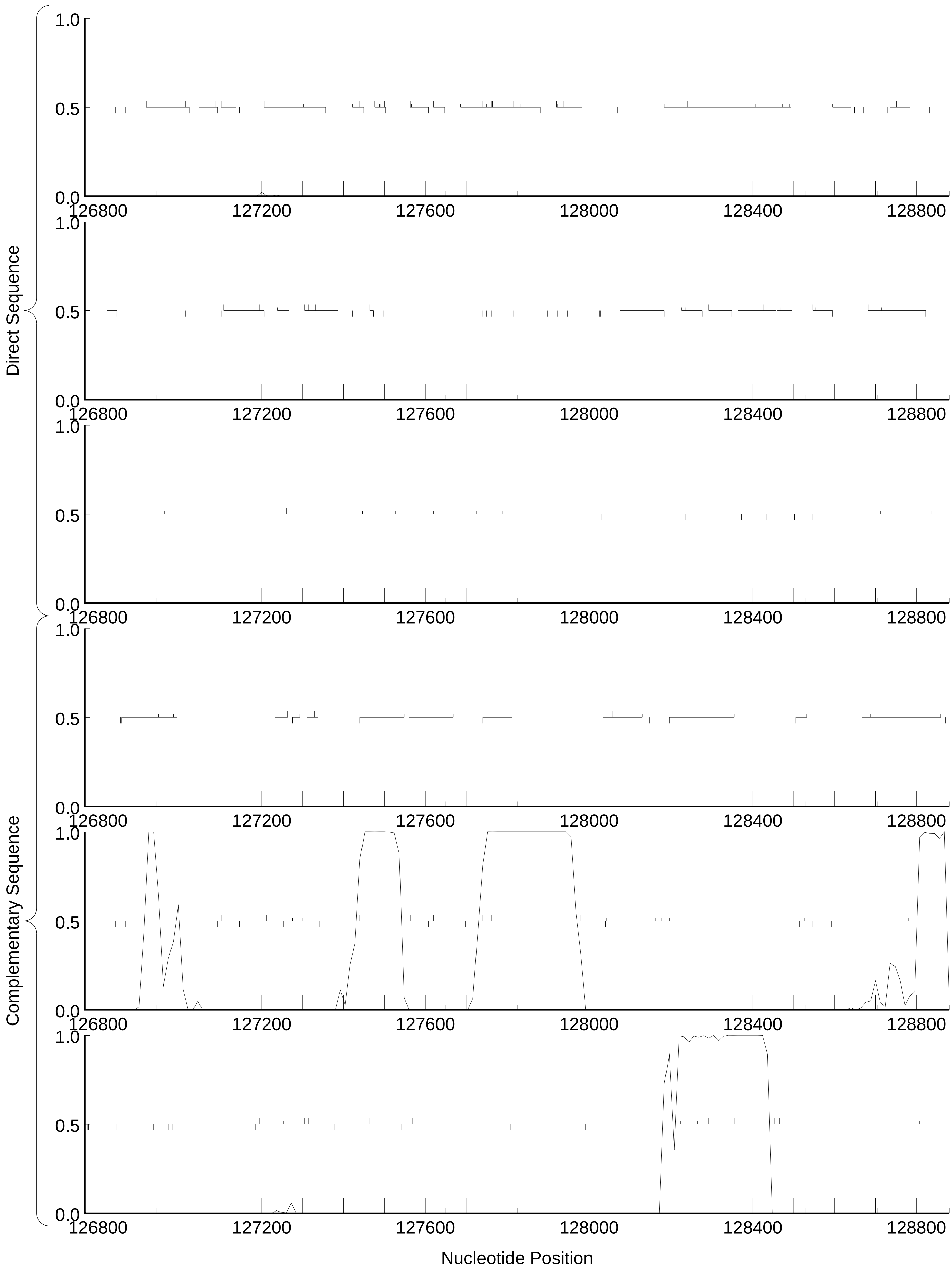
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 60/64

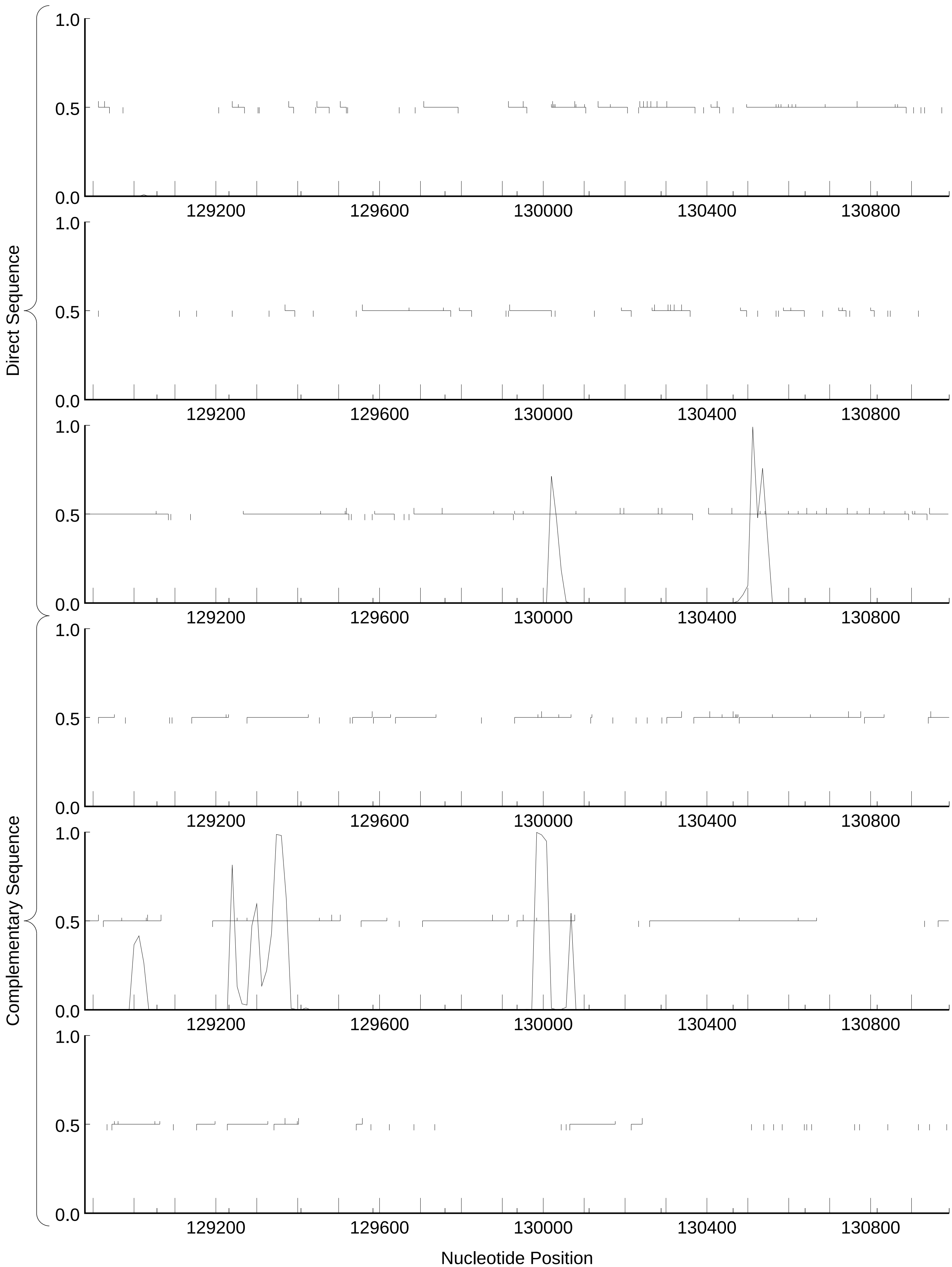




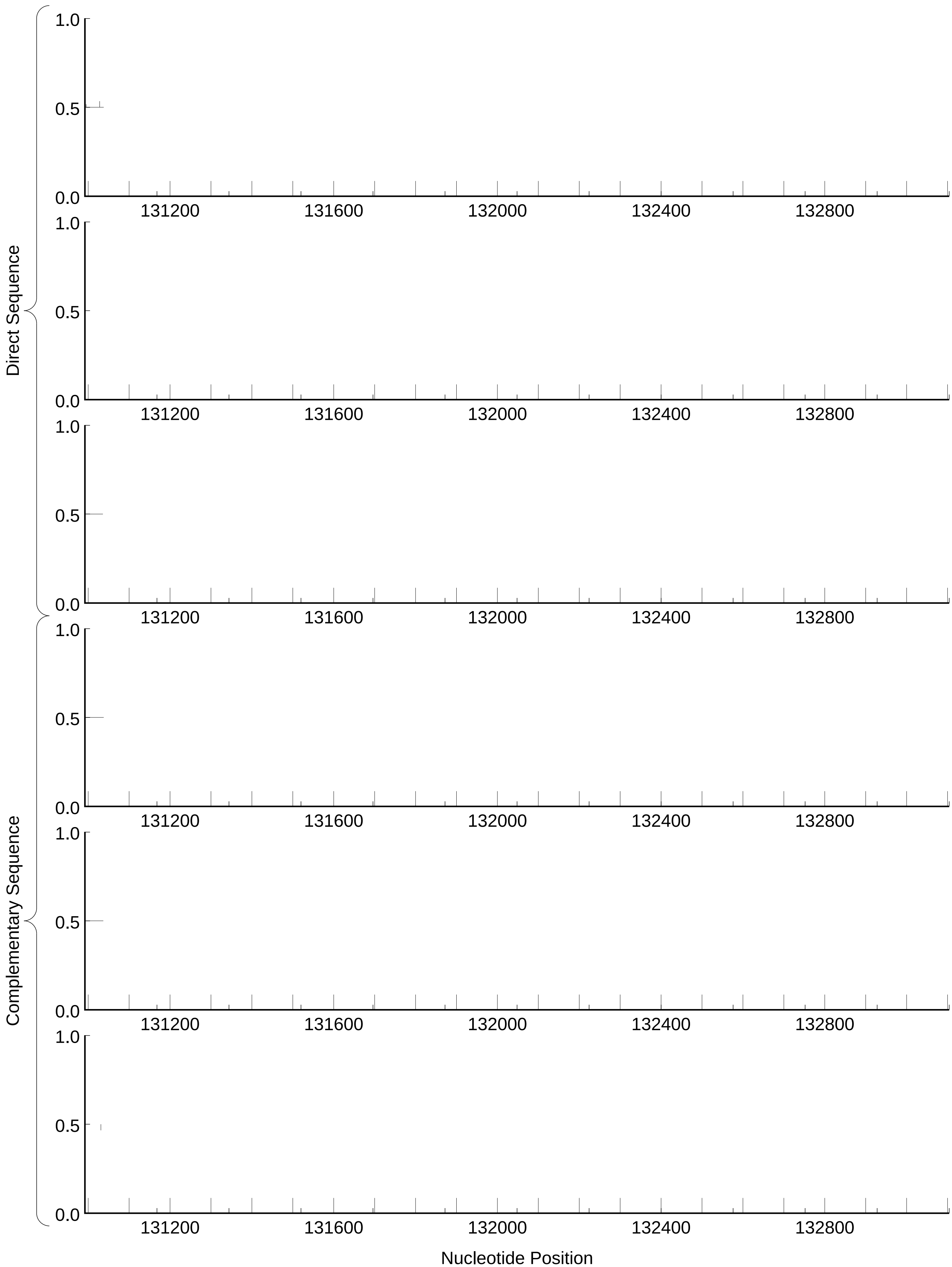
e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 61/64
Direct Sequence
Complementary Sequence
1.0
0.5
0.0
124800
125200
125600
126000
126400
Nucleotide Position

e NootNoot complete sequence, 131086 bp including 10787 bp terminal repeat, Cluster BE1, Order 4, Window 96, Step 12, 62/64





Direct Sequence
Complementary Sequence
1.0
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