**PROGRAM INFORMATION**

Sequence : Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3’ overhang (CTCGCGGCGGT), Cluster K4
Analysis Date : 1/16/22 at 16:52:32
Pages : 29
Sequence Length : 57889 bp
GC Content : 65.35%
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 : Mycobacterium_smegmatis_MC2_155
Author : -
Order : 4

Send questions / comments to:
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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
Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGGCAGT), Cluster K4, Order 4, Window 96, Step 12, 2/29
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGGCGGT), Cluster K4, Order 4, Window 96, Step 12, 3/29
Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3’ overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 4/29
Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 5/29
Complementary Sequence

Direct Sequence

Nucleotide Position

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 6/29
Complementary Sequence  Direct Sequence

Nucleotide Position

10800 11200 11600 12000 12400

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGCGGCT), Cluster K4, Order 4, Window 96, Step 12, 7/29
Complementary Sequence Direct Sequence

Nucleotide Position

12800 13200 13600 14000 14400 14800

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3’ overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 8/29
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<thead>
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<th>Nucleotide Position</th>
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<th>Direct Sequence</th>
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Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGGCGGT), Cluster K4, Order 4, Window 96, Step 12, 9/29
Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGCGG), Cluster K4, Order 4, Window 96, Step 12, 10/29
Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGGCGGT), Cluster K4, Order 4, Window 96, Step 12, 11/29
Complementary Sequence

Direct Sequence

Nucleotide Position

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGGCAGT), Cluster K4, Order 4, Window 96, Step 12, 12/29
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 14/29
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGGCAGT), Cluster K4, Order 4, Window 96, Step 12, 15/29
Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 17/29
<table>
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Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3’ overhang (CTCGCGGCCTG), Cluster K4, Order 4, Window 96, Step 12, 18/29

Diagram showing the nucleotide positions from 34000 to 35600 with different signal levels.
Complementary Sequence

Direct Sequence

Nucleotide Position

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 19/29
Complementary Sequence Direct Sequence

Nucleotide Position

57889 bp including 11-base 3' overhang (CTCGCGGCGGT), Cluster K4, Order 4, Window 96, Step 12, 21/29
Complete sequence, 57889 bp including 11-base 3’ overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 22/29
Complementary Sequence

Direct Sequence

Nucleotide Position

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 23/29
Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3' overhang (CTCGCGGCGGT), Cluster K4, Order 4, Window 96, Step 12, 24/29
complete sequence, 57889 bp including 11-base 3’ overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 25/29
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3’ overhang (CTCGCGCGGT), Cluster K4, Order 4, Window 96, Step 12, 27/29
Mycobacterium phage Boilgate complete sequence, 57889 bp including 11-base 3’ overhang (CTCGCGGCGGT), Cluster K4, Order 4, Window 96, Step 12, 29/29