PROGRAM INFORMATION

Sequence : Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3’ overhang (CTCAGTGGCAT), Cluster K5
Analysis Date : 1/9/22 at 14:49:55
Pages : 30
Sequence Length : 61147 bp
GC Content : 65.63%
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_tuberculosis_H37Rv
Author : -
Order : 4

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@amberbiology.gatech.edu
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 3/30
Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3’ overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 4/30
Complementary Sequence Direct Sequence

Nucleotide Position

6400 6800 7200 7600 8000 8400

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 5/30
Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 6/30
Complementary Sequence Direct Sequence

Nucleotide Position

10800 11200 11600 12000 12400

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 7/30
Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 8/30
Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 9/30
Complementary Sequence

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Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 11/30
Complementary Sequence

Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 12/30
### Complementary Sequence Direct Sequence

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**Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 14/30**
Complementary Sequence

Nucleotide Position

Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 16/30
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 17/30
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Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 18/30
Complementary Sequence
Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3’ overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 20/30
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3’ overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 21/30
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 23/30
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 24/30
Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3’ overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 25/30
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3’ overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 26/30
### Complementary Sequence

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### Direct Sequence

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**Note:**
- The complete sequence is 61147 bp including a 11-base 3' overhang (CTCAGTGGCAT).
- Cluster K5, Order 4, Window 96, Step 12, 27/30.

**Graphical Representation:**
- Direct and Complementary sequences graphed over nucleotide positions 53200 to 54800.
Complementary Sequence Direct Sequence

Mycobacterium phage InvictusManeo complete sequence, 61147 bp including 11-base 3' overhang (CTCAGTGGCAT), Cluster K5, Order 4, Window 96, Step 12, 30/30