**PROGRAM INFORMATION**

Sequence : Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3’ overhang (GTGT)
Analysis Date : 12/29/21 at 15:32:30
Pages : 34
Sequence Length : 69653 bp
GC Content : 65.46%
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:
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
Complementary Sequence

Direct Sequence

Nucleotide Position

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 2/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3’ overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 3/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 5/34
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 6/34
Complementary Sequence Direct Sequence
Nucleotide Position
10800 11200 11600 12000 12400
10800 11200 11600 12000 12400
10800 11200 11600 12000 12400
10800 11200 11600 12000 12400
10800 11200 11600 12000 12400
10800 11200 11600 12000 12400
Mycobacterium phage Zakte101 complete sequence, 69653 bp including 4-base 3’ overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 7/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 9/34
Complementary Sequence Direct Sequence

Nucleotide Position

19200 19600 20000 20400 20800

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 11/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3’ overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 14/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 15/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 16/34
<table>
<thead>
<tr>
<th>Nucleotide Position</th>
<th>Complementary Sequence</th>
<th>Direct Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>32000</td>
<td></td>
<td>1.0</td>
</tr>
<tr>
<td>32400</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>32800</td>
<td></td>
<td>0.0</td>
</tr>
<tr>
<td>33200</td>
<td></td>
<td>1.0</td>
</tr>
<tr>
<td>33600</td>
<td></td>
<td>0.5</td>
</tr>
</tbody>
</table>

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 17/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 18/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3’ overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 19/34
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 20/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 21/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 24/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3’ overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 25/34
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3’ overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 27/34
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 28/34
Complementary Sequence

Direct Sequence

Nucleotide Position

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 29/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 30/34
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 31/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 33/34
Mycobacterium phage Zakhe101 complete sequence, 69653 bp including 4-base 3' overhang (GTGT), Cluster O, Order 4, Window 96, Step 12, 34/34