PROGRAM INFORMATION

Sequence : Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7
Analysis Date : 1/10/22 at 9:49:24
Pages : 30
Sequence Length : 60430 bp
GC Content : 67.83%
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

Matrix notes & comments
Training set derived by GeneMarkS, 4.27 September 2014
Tue Sep 23 15:23:03 2014

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

Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 3/30
Complementary Sequence Direct Sequence

Nucleotide Position

4400 4800 5200 5600 6000

Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 4/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 5/30
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 6/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 7/30
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 8/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGTTG), Cluster K7, Order 4, Window 96, Step 12, 9/30
Complementary Sequence Direct Sequence

Nucleotide Position

17200 17600 18000 18400 18800

Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 10/30
Complementary Sequence Direct Sequence

Nucleotide Position

19200 19600 20000 20400 20800

Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 11/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 12/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 14/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 15/30
Complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 16/30
<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></td>
</tr>
<tr>
<td>32400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33600</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 17/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 18/30
Complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 19/30.
Complementary Sequence Direct Sequence

<table>
<thead>
<tr>
<th>Nucleotide Position</th>
<th>38400</th>
<th>38800</th>
<th>39200</th>
<th>39600</th>
<th>40000</th>
</tr>
</thead>
<tbody>
<tr>
<td>38400</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38800</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39600</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 20/30
Complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 21/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 22/30
Complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 23/30
Complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 24/30
Complementary Sequence

Direct Sequence

Nucleotide Position

Complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGA), Cluster K7, Order 4, Window 96, Step 12, 25/30
Complementary Sequence Direct Sequence

Nucleotide Position

Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 26/30
Complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 27/30
Complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 28/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3’ overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 29/30
Mycobacterium phage Aminay complete sequence, 60430 bp including 12-base 3' overhang (CTCATCGTGGGT), Cluster K7, Order 4, Window 96, Step 12, 30/30