GeneMark

PROGRAM INFORMATION

```
Sequence          :  Mycobacterium phage JewelBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGT
Analysis Date     :  1/18/17 at 16:02:33
Pages             :  25
Sequence Length   :  50341 bp
GC Content        :   61.60%

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 notes & comments

Training set derived by GeneMarkS, 4.30 October 2014
Wed Jan 18 16:02:32 2017

MATRIX INFORMATION

```
Matrix      :  -
Author      :  -

Order       :  4


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

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

welBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 4/25
GeneMark.hmm prediction
welBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 4/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

welBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 5/25
GeneMark.hmm prediction
welBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 5/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

welBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 6/25

GeneMark.hmm prediction

welBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 6/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

welBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 7/25
GeneMark.hmm prediction
welBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 7/25

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 10/25
GeneMark.hmm prediction
elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 10/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

relBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 12/25
GeneMark.hmm prediction
relBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 12/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 13/25
GeneMark.hmm prediction
elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 13/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Nucleotide Position

typical.ps   atypical.ps

elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 16/25
GeneMark.hmm prediction
elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 16/25

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 19/25
GeneMark.hmm prediction
elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 19/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

relBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 20/25
GeneMark.hmm prediction
relBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 20/25

Nucleotide Position

typical.ps

atypical.ps

elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 21/25

GeneMark.hmm prediction

elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 21/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

GeneMark.hmm prediction

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

relBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 24/25
GeneMark.hmm prediction
relBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 24/25

Direct Sequence

Complementary Sequence

Nucleotide Position

typical.ps

atypical.ps

elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 4, Window 96, Step 12, 25/25
GeneMark.hmm prediction
elBug complete sequence, 50341 including 10 bp 3' overhang (CGGTCGGTTA), Cluster A6, Order 2, Window 96, Step 12, 25/25

typical.ps

atypical.ps