- 1 -

piece 1, NC_000913, glyW_pgsA-, config: linear, direction: -, begin: 1990322, end: 1990123

```
        *1990320  *       *1990310  *       *1990300  *       *1990290  *       *1990280  *       *1990270  *       *1990260  *       *1990250  *
5' g c t g c g c g t g c a g a t t t g c t t g a t c a g t g a t c g t t t c g g c g t a a t t t t c a g c a a a c g a t c a a a a g t g g t g a a a a a t a t c g t 3'
   - ala - ala - arg - ala - asp - leu - leu - asp - gln -                                           - val - ile - phe - ser - lys - arg - ser - lys - val - val - lys - asn - ile - val -
      - leu - arg - val - gln - ile - cys - leu - ile - ser - asp - arg - phe - gly - val - ile - phe - ser - lys - arg - ser - lys - val -
         - cys - ala - cys - arg - phe - ala -        - fMet - ile - val - ser - ala -                                                                                - fMet -
```

p35   4.2 bits

sd

... ir

p10   4.4 bits   {----------------------} sd-(11)-ir 1990255 Gap 3.0 bits

p10   1.4 bits |----------------------| sd-ir 1990255 glyW_pgsA- total 5.4 bits

{-------------------------------------} p35-(22)-p10 1990280 Gap 2.3 bits   p10   3.8 bits

|-------------------------------------| p35-p10 1990280 total 6.3 bits   ... p35

{------------------------------------} p35-(23)-p10 1990279 Gap 1.4 bits
|------------------------------------| p35-p10 1990279 total 4.1 bits

p35   4.6 bits

{---} p35-(26)-p10 1990251 Gap 3.7 bits
|---| p35-p10 1990251 total 4.8 bits

```
        *1990240  *       *1990230  *       *1990220  *       *1990210  *       *1990200  *       *1990190  *       *1990180  *       *1990170  *
5' t g a c t c a t c g c g c c a g g t a a g t a g a a t g c a a c g c a t c g a a c g g c g g c a c t g a t t g c c a g a c g a t a a t a a a a t c a a g t g a t t 3'
   - asp - ser - ser - arg - gln - val - ser - arg - met - gln - arg - ile - glu - arg - arg - his -     - fMet - pro - asp - asp - asn - lys - ile - lys -
      - thr - his - arg - ala - arg -           -                                                                                                              -
```

... ir glyW_pgsA-   ir glyW_pgsA-   [###> orf 22 codons

sd

{--------------} sd-(9)-ir 1990216 Gap 2.3 bits
|--------------| sd-ir 1990216 glyW_pgsA- total 6.6 bits

...   p35   6.5 bits   p10   6.6 bits

{--------------------------------} p35-(22)-p10 1990219 Gap 2.3 bits
|--------------------------------| p35-p10 1990219 total 10.8 bits

```
        *1990160  *       *1990150  *       *1990140  *       *1990130  *
5' a a c t g a t t g c t t g a t g a a t g c g g g a a t a g c t c a g t t g g 3'
   - asn -       - fMet - leu - asp - glu - cys - gly - asn - ser - ser - val -
      -             - fMet - met - asn - ala - gly - ile - ala - gln - leu -
         -             -            - fMet - arg - glu -              -
```