piece 1, NC_000913, sokB_trg-, config: linear, direction: -, begin: 1490523, end: 1490179

```
         *1490520   *        *1490510   *        *1490500   *        *1490490   *        *1490480   *        *1490470   *        *1490460   *        *1490450   *
5' a c c t a a t c g c t g t g a g g g a g t t g t a t t c a t t a c c g t t g t c t c t c g t c c a g g t t t a c t c c t g a t a g a a a g t c a t c g g c a c t t 3'
   - thr -          - pro - asn - arg - cys - glu - gly - val - val - phe - ile - thr - val - val - ser - arg - pro - gly - leu - leu - leu - ile - glu - ser - his - arg - his - leu -
            - leu - ile - ala - val - arg - glu - leu - tyr - ser - leu - pro - leu - ser - leu - val - gln - val - tyr - ser -
... ------------------------------------------------------------] NC_000913.trg
```

```
         *1490440   *        *1490430   *        *1490420   *        *1490410   *        *1490400   *        *1490390   *        *1490380   *        *1490370   *
5' g a c g g t a t t a c t t a t g a c c a a a a a c c t c t t t g c a c a t t t t a c a a c a a t t c a t a g a a a t t a a t g c t a t t g g a 3'
                                                              -fMet - arg - his - ile - phe - thr - thr - ile - ile - ala -
   - thr - val - ile - thr - tyr - asp - gln - lys - pro - leu - cys - val - thr - phe - leu - gln - gln - leu - leu - his - arg - lys - leu - met - leu - leu - glu -
                     -fMet - thr - lys - asn - leu - phe - ala - ser - his - phe - lys - asn - asn - tyr - cys - ile - glu - asn -
... sd                                        ir sokB_trg-                              p35   3.8 bits                                    [###> orf 19 codons              ... ir
```

{------------------------} sd-(10)-ir 1490428 Gap 2.7 bits   sd{----- ... p35-(25)-p10 1490339 Gap

|----------------| sd-ir 1490428 sokB_trg- total 8.8 bits   {---------------- ... sd-(9)-ir 1490361 Gap
                                                                                                                 |---------------- ... sd-ir 1490361 sokB_trg- t
                                                                                                                                          ... sd

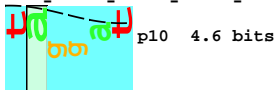   p10   3.6 bits   ... p35

{---} p35-(22)-p10 1490379 Gap 2.3 bits
|---| p35-p10 1490379 total 5.0 bits
                                                                                          p10   1.9 bits |----- ... p35-p10 1490339 total 6.9

{--} p35-(23)-p10 1490378 Gap 1.4 bits
|--| p35-p10 1490378 total 4.3 bits

```
         *1490360   *        *1490350   *        *1490340   *        *1490330   *        *1490320   *        *1490310   *        *1490300   *        *1490290   *
5' a t g a a g a g a g t a a c g a a t g g c t a a a c t g g c t a a c c c g a a t g a c g a a a a a t t c t g g a a a a c a g c a c g c a a t t c g t g a a g t g 3'
   -fMet - lys - arg - val - thr - gly -                -fMet - ala - lys - leu - ala - asn - pro - asn - asp - glu - lys - phe - trp - lys - thr - ala - arg - asn - phe - val - lys -      -fMet -
                                            -fMet - thr - lys - asn - ser - gly - lys - gln - his - ala - ile - ser -
... ir sokB_trg-[###> orf 8 codons                          ir sokB_trg-                                                                [### ... orf
```

... ---} p35-(25)-p10 1490339 Gap 4.0 bits   [###> orf 13 codons

... } sd-(9)-ir 1490361 Gap 2.3 bits

... | sd-ir 1490361 sokB_trg- total 5.9 bits   {------------------} sd-(10)-ir 1490323 Gap 2.7 bits

... sd   ir sokB_trg-

... p35   4.4 bits |-------------------| sd-ir 1490323 sokB_trg- total 8.0 bits

{-----------------} sd-(11)-ir 1490345 Gap 3.0 bits
|-------------------| sd-ir 1490345 sokB_trg- total 8.5 bits
... ---------------------------------------| p35-p10 1490339 total 6.9 bits
                                                    p10   6.5 bits

```
        *1490280   *         *1490270   *         *1490260   *         *1490250   *         *1490240   *         *1490230   *         *1490220   *         *1490210   *         *1490200
5' a t t a t t t t c g t c c c t a a g g a a a c c t c a t a g g a t g c c t g c g g g t g c c t g a g a c t t t c t g t t t t c a g g c t a a c c g g g a a t c a g 3'
  - ile - ile - phe - val - pro - lys - glu - thr - ser - ●   -   -   -   -fMet - pro - ala - gly - ala - ●   -   -   -   -   -   -   -   ●   -   -   -   -
    -   -   -   -   -   -   ●   -   -   -   -   -   -   -   -   -fMet - pro - glu - thr - phe - cys - phe - gln - ala - asn - arg - glu - ser - glu -
```

... ▶ orf 22 codons

p10 4.6 bits

p35 3.7 bits

{-----------------------------------} p35-(23)-p10 1490252 Gap 1.4 bits
|-----------------------------------| p35-p10 1490252 total 6.9 bits

```
        *         *1490190   *         *1490180
5' a a a g a c g a a g g c c c c g a c c g a 3'
  -   -   -   -   -   -   -   -   -
    - arg - arg - arg - pro - arg - pro -
```