- 1 -

piece 1, NC_000913, narQ_acrD+, config: linear, direction: +, begin: 2585424, end: 2585636

```
            *        *2585430  *         *2585440  *         *2585450  *         *2585460  *         *2585470  *         *2585480  *         *2585490  *         *2585500
5' g c g g a g g g t g a g g a a a g t c a g t t a a t g t a a t g c c t c c t a c t g a c c a a a g a a t a c t t g c a c t t a a g g t t c a g t a t a a a a g g g 3'
    - ala - glu - gly - glu - glu - ser - gln - leu - met -   -   -   -   -   -   -   -   -   -   -   -fMet - his - leu - arg - phe - ser - ile - lys - gly -
        -   - arg - arg - val - arg - lys - val - ser -   -   -   -fMet - pro - pro - thr - asp - gln - arg - ile - leu - ala - leu - lys - val - gln - tyr - lys - arg - ala -
            - gly - gly -   -   -   -   -   - -fMet - pro - pro - thr - asp - gln - arg - ile - leu - ala - leu - lys - val - gln - tyr - lys - arg - ala -
```

p35   3.6 bits

sd

... ir

p10   3.5 bits

{-------------------------------- ... sd-(17)-ir 2585506 Gap

|-------------------------------- ... sd-ir 2585506 narQ_acrD+

{---} p35-(24)-p10 2585474 Gap 2.4 bits

|---| p35-p10 2585474 total 4.6 bits

```
    *        *2585510  *         *2585520  *         *2585530  *         *2585540  *         *2585550  *         *2585560  *         *2585570  *         *2585580  *
5' c a t g a t a a t t t a c a t t a a c t c c t t t t t t c t c c a c g a t t g g c t c g t a c c t t g c c g c t a c a g t g a a g c a a g t c a a g c c t a c a 3'
    - his - asp - asn - leu - his -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - lys - gln - val - lys - pro - thr -
        - -fMet - ile - ile - tyr - ile - asn - ser - phe - phe - ser - pro - arg - leu - ala - arg - thr - leu - pro - leu - gln -   -   -   -   -   -   -   -   -
```

... ir narQ_acrD+

p10   2.1 bits

p10   3.0 bits

[###> orf 21 codons

... --} sd-(17)-ir 2585506 Gap 6.5 bits

p35   3.9 bits

... --| sd-ir 2585506 narQ_acrD+ total 6.2 bits

{---} p35-(23)-p10 2585551 Gap 1.4 bits

p35   5.5 bits

|---| p35-p10 2585551 total 5.5 bits

{---} p35-(24)-p10 2585538 Gap 2.4 bits

|---| p35-p10 2585538 total 5.2 bits

```
            *2585590  *         *2585600  *         *2585610  *         *2585620  *         *2585630  *
5' a c g a t a c g c a g a a a c a c g a g g t c c t c t t t t a a t g g c g a a t t t c t t t a t t g a 3'
    - thr - ile - arg - arg - asn - thr - arg - ser - ser - phe - asn - gly - glu - phe - leu - tyr -
        -   -   -   -   -   -   -   -   -   - -fMet - ala - asn - phe - phe - ile -
            -   -   -   -   -   -   -   -   -   -   -   -fMet -
```

sd

[-------------------------------------- ... NC_000913.acrD

ir narQ_acrD+

{---------------------} sd-(11)-ir 2585617 Gap 3.0 bits

|---------------------| sd-ir 2585617 narQ_acrD+ total 6.6 bits