piece 1, NC_000913, adhE_ychE+, config: linear, direction: +, begin: 1297315, end: 1297840

```
        *      *1297320   *         *1297330   *         *1297340   *         *1297350   *         *1297360   *         *1297370   *         *1297380   *         *1297390   *
5' g t t a a g t t c a g c g a c a t t a g t a a c a g c c a t a a t g c t c t c c t g a t a a t g t t a a a c t t t t t t a g t a a a t c a t c t g c t c g a a t a 3'
   - val - lys - phe - ser - asp - ile - ser - asn - ser - his - asn - ala - leu - leu - ile - met - leu - asn - phe - phe - ser - lys - ser - ser - ala - arg - ile -
   - leu - ser - ser - ala - thr - leu - val - thr - ala - ile - met - leu - ser -                                                                                     -
 ... ---------------------------------------------------------------] NC_000913.adhE

        *1297400   *         *1297410   *         *1297420   *         *1297430   *         *1297440   *         *1297450   *         *1297460   *         *1297470   *
5' c g a g a g t a t a g t c a g t g c g g t g a t g a t t t g c t t a a c c t a t g a a a a t c a a a a g c t t a c t c g c g c t c a c a c t c a c t g t g a t t t 3'
   - arg - glu - tyr - ser - gln - cys - gly - asp - asp - leu - leu - asn - leu -                                                                              - ... p35
                                   - fMet - met - ile - cys - leu - thr - tyr - glu - asn - gln - lys - leu - thr - arg - ala - his - thr - his - cys - asp - leu -
                                       - fMet - arg -                           - fMet - lys - ile - lys - ser - leu - leu - ala - leu - thr - leu - thr - val - ile - tyr
                                                                                                                                                  {--- ... p35-(22)-p10 1297497 Gap
                                                                                                                                                  |--- ... p35-p10 1297497 total 7.4

        *1297480   *         *1297490   *         *1297500   *         *1297510   *         *1297520   *         *1297530   *         *1297540   *         *1297550   *
5' a c t a a a a g a g t t t a a c a t t a g a g t t a t t a t c t c t a a t g c g t c a c t t c c a g g t g g c g t a a g c a a g a t t a c t c a c t t c t g g g 3'
                                                                         - fMet - arg - his - phe - gln - val - ala -
   - leu - lys - glu - phe - lys - his -
 ... p35   5.7 bits                                    p10   4.1 bits
 ... --------------------------------------} p35-(22)-p10 1297497 Gap 2.3 bits
 ... ---------------------------------------| p35-p10 1297497 total 7.4 bits

        *1297560   *         *1297570   *         *1297580   *         *1297590   *         *1297600   *         *1297610   *         *1297620   *         *1297630   *
5' t a c t g a t t a c g t g a t c c a a a t c a a a t t t t t g c a a a g c t g a c a c c t t t c a g c a t c g c t t t t c g c c a t t a t a g c t a a c a g t t a 3'
                       - fMet - ile - gln - ile - lys - phe - leu - gln - ser -
                                                                                                       p35   3.7 bits {--------------------- ... p35-(24)-p10 1297651 Gap
                                                                                                {--------------------- ... p35-(26)-p10 1297641 Gap
                                                                                                |--------------------- ... p35-p10 1297641 total 5.8
                                                                                                    p35   1.1 bits
                                                                                                |-------------------- ... p35-p10 1297651 total 5.1

        *1297640   *         *1297650   *         *1297660   *         *1297670   *         *1297680   *         *1297690   *         *1297700   *         *1297710   *
5' a t a a a t t g t a t g a t t t g g t g g c t a c a t t a g c a t g t t t t g c a c a a c t a g a t a a c a a t a a c g a a t g a t a g c a a t t t a a g 3'
                       - fMet - ile - trp - trp - leu - his -         - fMet - his - asn -                                      - fMet - ile - ala - ile - leu - ser -
                                                             - fMet - phe - cys - thr - thr - arg -                                                                 -
             - fMet - val - ala - thr - leu - ala - cys - phe - ala - gln - leu - asp - asn - asn - asn - glu -
 ... ---------------} p35-(24)-p10 1297651 Gap 2.4 bits              p10   4.5 bits      p10   2.7 bits ... sd
                                                                                                            p35   4.7 bits
 ... ----} p35-(26)-p10 1297641 Gap 3.7 bits
 ... ----| p35-p10 1297641 total 5.8 bits                           p35   4.7 bits
                                                                {-------------------------} p35-(24)-p10 1297703 Gap 2.4 bits
     p10   5.7 bits                                             |---------------------------| p35-p10 1297703 total 4.9 bits
 ... ------------------| p35-p10 1297651 total 5.1 bits
                                                                                                       {--------- ... p35-(23)-p10 1297737 Gap
     p10   6.4 bits                                                                                    |---------- ... p35-p10 1297737 total 4.8
```

p35   4.6 bits

{---} p35-(25)-p10 1297670 Gap 4.0 bits
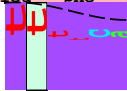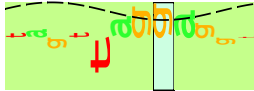|---| p35-p10 1297670 total 5.2 bits

```
     *1297720  *     *1297730  *     *1297740  *     *1297750  *     *1297760  *     *1297770  *     *1297780  *     *1297790  *     *1297800
5' t a g t t a g g a g g t g a a a a a t g c t g t c a a a a g g c g t a t t g t c a g c g c g t c t t t t c a a c c t t a t t t a t g g c t a a c a t t a t c c g g 3'
   - ser -     -       -fMet - lys - asn - ala - val - lys - arg - arg - ile - val - ser - ala - ser - phe - gln - pro - tyr - leu - trp - leu - thr - leu - ser - gly -
         -               -fMet - leu - ser - lys - gly - val - leu - ser - ala - arg - leu - phe - asn - leu - ile - tyr - gly -     -       -       -       -
```

sd   ir adhE_ychE+   p35   4.6 bits   [###> orf 18 codons

{------------------} sd-(10)-ir 1297737 Gap 2.7 bits   p10   4.2 bits

|------------------| sd-ir 1297737 adhE_ychE+ total 7.1 bits   {--------------------------------} p35-(23)-p10 1297792 Gap 1.4 bits

p10   1.5 bits |--------------------------------| p35-p10 1297792 total 7.4 bits

... {------------------} p35-(23)-p10 1297737 Gap 1.4 bits
... |------------------| p35-p10 1297737 total 4.8 bits

```
        *      *1297810  *     *1297820  *     *1297830  *     *1297840
5' c t t t t g c t t c g g a g c t a a c c g t g a t t c a g a c c t t t t t t g a 3'
   - leu - leu - leu - arg - ser -     -       -       -       -       -fMet -
         - phe - cys - phe - gly - ala - asn - arg - asp - ser - asp - leu - phe -
                                         -fMet - ile - gln - thr - phe - phe -
                                   [------------------------------ ... NC_000913.ychE
```