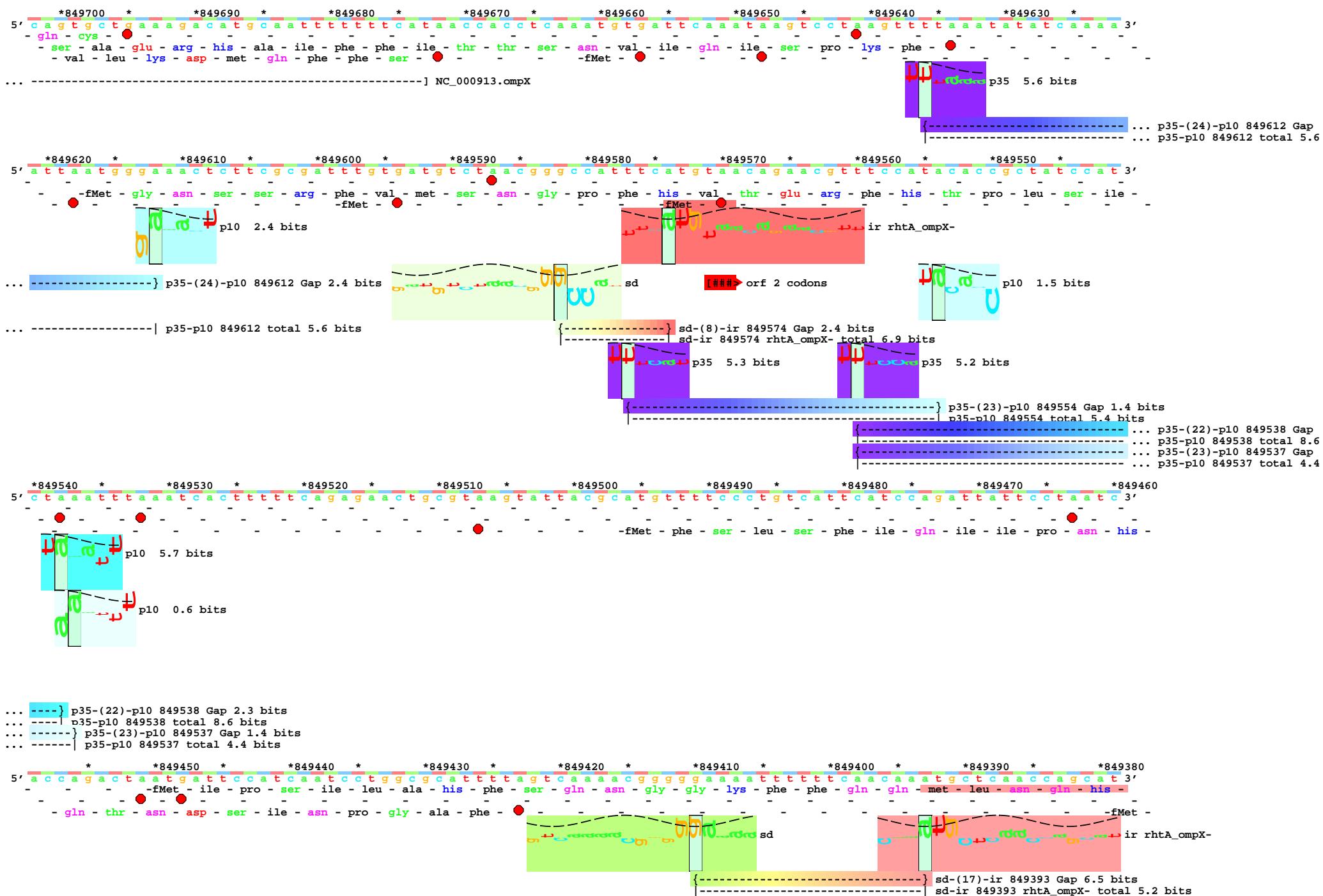piece 1, NC_000913, rhtA_ompX-, config: linear, direction: -, begin: 849702, end: 849301

```
        *849700    *         *849690    *         *849680    *         *849670    *         *849660    *         *849650    *         *849640    *         *849630    *
5' c a g t g c t g a a a g a c a t g c a a t t t t t t t c a t a a c c a c c t c a a a t g t g a t t c a a a t a a g t c c t a a g t t t t a a a t a t a t c a a a 3'
       - gln - cys -      - ser - ala - glu - arg - his - ala - ile - phe - phe - ile - thr - thr - ser - asn - val - ile - gln - ile - ser - pro - lys - phe -      -    -    -    -    -
                          - val - leu - lys - asp - met - gln - phe - phe - ser -      - -fMet -      -      -      -      -      -      -      -      -      -      -    -    -    -    -
... ----------------------------------------------------] NC_000913.ompX
                                                                                                                                                   p35   5.6 bits
                                                                                                                                             ... p35-(24)-p10 849612 Gap
                                                                                                                                             ... p35-p10 849612 total 5.6
```

```
        *849620    *         *849610    *         *849600    *         *849590    *         *849580    *         *849570    *         *849560    *         *849550    *
5' a t t a a t g g g a a a c t c t t c g c g a t t t g t g a t g t c t a a c g g g c c a t t t c a t g t a a c a g a a c g t t t c c a t a c a c c g c t a t c c a t 3'
       -      - -fMet - gly - asn - ser - ser - arg - phe - val - met - ser - asn - gly - pro - phe - his - val - thr - glu - arg - phe - his - thr - pro - leu - ser - ile -
                                                        - -fMet -                              - -fMet -
                                                                                                          ir rhtA_ompX-
                                                            p10   2.4 bits
... -------------} p35-(24)-p10 849612 Gap 2.4 bits                                    sd         [###> orf 2 codons                    p10   1.5 bits
... -------------| p35-p10 849612 total 5.6 bits                                              sd-(8)-ir 849574 Gap 2.4 bits
                                                                                              sd-ir 849574 rhtA_ompX- total 6.9 bits
                                                                                      p35   5.3 bits                     p35   5.2 bits
                                                                                {-------------------------------------} p35-(23)-p10 849554 Gap 1.4 bits
                                                                                 -------------------------------------- p35-p10 849554 total 5.4 bits
                                                                                                        ... p35-(22)-p10 849538 Gap
                                                                                                        ... p35-p10 849538 total 8.6
                                                                                                        ... p35-(23)-p10 849537 Gap
                                                                                                        ... p35-p10 849537 total 4.4
```

```
        *849540    *         *849530    *         *849520    *         *849510    *         *849500    *         *849490    *         *849480    *         *849470    *         *849460
5' c t a a a t t a a a t c a c t t t t c a g a g a a c t g c g t a a g t a t t a c g c a t g t t t c c c t g t c a t t c a t c c a g a t t a t t c c t a a t c 3'
       -      -      -      -      -      -      -      -      -      -      -      -      -      - -fMet - phe - ser - leu - ser - phe - ile - gln - ile - ile - pro - asn - his -
           p10   5.7 bits
           p10   0.6 bits
```

```
... ----}  p35-(22)-p10 849538 Gap 2.3 bits
... ------| p35-p10 849538 total 8.6 bits
... ------}  p35-(23)-p10 849537 Gap 1.4 bits
... ------| p35-p10 849537 total 4.4 bits
```

```
        *         *849450    *         *849440    *         *849430    *         *849420    *         *849410    *         *849400    *         *849390    *         *849380
5' a c c a g a c t a a t g a t t c c a t c a a t c c t g g c g c a t t t t a g t c a a a a c g g g g g a a a a t t t t t c a a c a a a t g c t c a a c c a g c a t 3'
       -      -      - -fMet - ile - pro - ser - ile - leu - ala - his - phe - ser - gln - asn - gly - gly - lys - phe - phe - gln - gln - met - leu - asn - gln - his -
       - gln - thr - asn - asp - ser - ile - asn - pro - gly - ala - phe -                                                                                       - -fMet -
                                                                              sd                                       ir rhtA_ompX-
                                                                    {-----------------------------------} sd-(17)-ir 849393 Gap 6.5 bits
                                                                     ----------------------------------- sd-ir 849393 rhtA_ompX- total 5.2 bits
```

* *849370 * *849360 * *849350 * *849340 * *849330 * *849320 * *849310 *

5' tgggtatatccagtacactccacgctttacttaagtctagatatttgtgggagaaaggatgcctggttcattacgtaa 3'

- trp - val - tyr - pro - val - his - ser - thr - leu - tyr - leu - ser - leu - asp - ile - cys - gly - arg - lys - asp - ala - trp - phe - ile - thr - ● -

- - - - - - - - - - - - fMet - gly - glu - arg - met - pro - gly - ser - leu - arg -

- gly - ile - ser - ser - thr - leu - his - ala - leu - leu - lys - ser - arg - tyr - leu - trp - glu - lys - gly - cys - leu - val - his - tyr - val -

sd   [--------------------------------- ... NC_000913.rhtA

{----------------} sd-(8)-ir 849320 Gap 2.4 bits   [###> orf 31 codons

ir rhtA_ompX-

|---------------| sd-ir 849320 rhtA_ompX- total 7.2 bits