piece 1, NC_000913, nagB_nagE-, config: linear, direction: -, begin: 703196, end: 702815

```
          *       *703190    *       *703180    *       *703170    *       *703160    *       *703150    *       *703140    *       *703130    *       *703120
5' g a g t c g c t g g a a a a a a c c t a a a t a t t c a t c t t a t t c c c c c t a c g a g a a c c c t a t t t g g c t c g t t t c a a g c c g t a t t t t a 3'
      - glu - ser - leu - glu - lys - thr     - trp - lys - lys - pro - lys - ile - phe - ile - leu - phe - pro - leu - arg - glu - pro - tyr - leu - ala - arg - phe - lys - pro - tyr - phe - tyr -
        - val - ala - gly - lys - asn - leu - lys - tyr - ser - ser - tyr - ser - pro - tyr - glu - asn - pro - ile - trp - leu - val - ser - ser - arg - ile - phe - ile -
... ------------------------------------------------------] NC_000913.nagE                                                                          ... p10
                                                                                                          p35  1.7 bits
                                                                                              {---------------------------------------} p35-(23)-p10 703116 Gap 1.4 bi
                                                                                              |-------------------------------------| p35-p10 703116 total 5.4 bits
                                                                                                  p35  5.2 bits
                                                                                                      {------------------------------ ... p35-(26)-p10 703106 Gap
                                                                                                      |------------------------------ ... p35-p10 703106 total 4.3

          *       *703110    *       *703100    *       *703090    *       *703080    *       *703070    *       *703060    *       *703050    *       *703040
5' t t t t g c t g c a a a t t g t a c t g c c g a t g t c t g t a a t c a g a t t g t t a g a t c a t c t g c t a c a g a g t g t g t g a a a a t t t a a t t c g 3'
      -     - phe - ala - ala - asn - cys - thr - ala - asp - val - leu -     -fMet - tyr - cys - arg - cys - ser - val - ile - arg - leu - leu - asp - his - leu - leu - gln - ser - val -     -
        - leu - leu - gln - ile - val - leu - pro - met - phe - cys - asn - gln - ile - val - arg - ser - ser - ala - thr - glu - cys - val - lys - ile -     -     -
... ---] p10  5.2 bits       p35  4.1 bits              p10  1.8 bits
                        p10  2.8 bits
                                {---------------------------------------} p35-(23)-p10 703079 Gap 1.4 bits
                                |-------------------------------------| p35-p10 703079 total 4.5 bits
... =============} p35-(26)-p10 703106 Gap 3.7 bits
... -----------------| p35-p10 703106 total 4.3 bits

          *       *703030    *       *703020    *       *703010    *       *703000    *       *702990    *       *702980    *       *702970    *       *702960    *
5' t a t c g c a a a t t a a a c g c g t g t c t t t t g t g a g t t t t g t c a c c a a a t a t c g t t a t t a t c a c t c c c t t t t a c t g g c t a a a c c a g 3'
      - ile - ala - asn -     -     -     -     -     -fMet -     -     -fMet - ser - pro - asn - ile - val - ile - ile - thr - pro - phe - tyr - trp - leu - asn - gln -
        -     -     -     - -fMet - ser - phe - val - ser - phe - val - thr - lys - tyr - arg - tyr - tyr - his - ser - leu - leu - leu - ala - lys - pro - glu -
                        p35  2.9 bits                  p10  3.8 bits              p35  5.7 bits
                        {------------------------------------} p35-(22)-p10 702989 Gap 2.3 bits
                        |------------------------------------| p35-p10 702989 total 4.4 bits
                            p35  3.7 bits              p10  7.1 bits
                                                                                  {-------------------- ... p35-(23)-p10 702946 Gap
                                                                                  |-------------------- ... p35-p10 702946 total 9.4
                                                                                  {-------------------- ... p35-(25)-p10 702944 Gap
                        {-----------------------------------------} p35-(26)-p10 702983 Gap 3.7 bits                                    p35  3.1 bits
                        |-----------------------------------------| p35-p10 702983 total 7.1 bits
                                                                                  {-------------------- ... p35-(23)-p10 702941 Gap
                                                                                  |-------------------- ... p35-p10 702944 total 4.8
                                                                                  |-------------------- ... p35-p10 702941 total 8.0

          *       *702950    *       *702940    *       *702930    *       *702920    *       *702910    *       *702900    *       *702890    *       *702880    *
5' a a a c t t a t t t t a t c a t t c a a a a a a t c a g g t c g g a t t g a c g c c t c t g c g c a a a t c c a g g t t a c g c t t a a a g a t g c c t a a 3'
      - lys - thr - tyr - phe - ile - ile - gln - lys - ile - arg - ser - asp -     -     -     -     -     -     -     -     -     -     -     -     -     -     - -fMet - pro - asn -
        - asn - leu - phe - tyr - his - ser - lys - asn - gln - val - gly - leu - thr - pro - val - cys - ala - asn - pro - gly - tyr - ala -     -     -
                        p10  5.2 bits                                                              sd                                      ... ir
... =============} p35-(23)-p10 702946 Gap 1.4 bits
... -----------------| p35-p10 702946 total 9.4 bits                              {-------------------} sd-(13)-ir 702880 Gap 4.6 bits
                                                                                  |-------------------| sd-ir 702880 nagB_nagE- total 5.9 bits
... =============} p35-(25)-p10 702944 Gap 4.0 bits
                                                                                              p35  3.1 bits
```
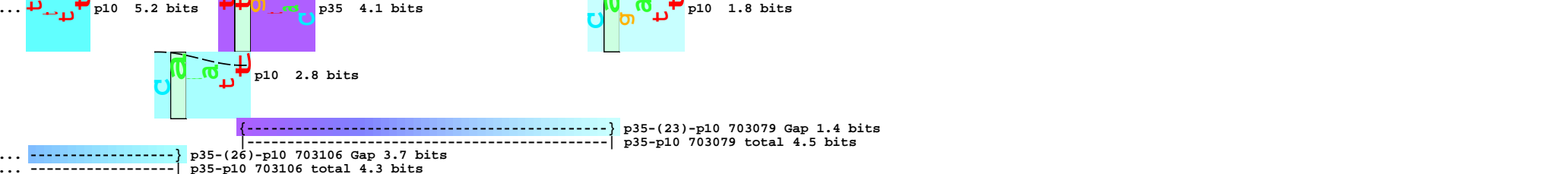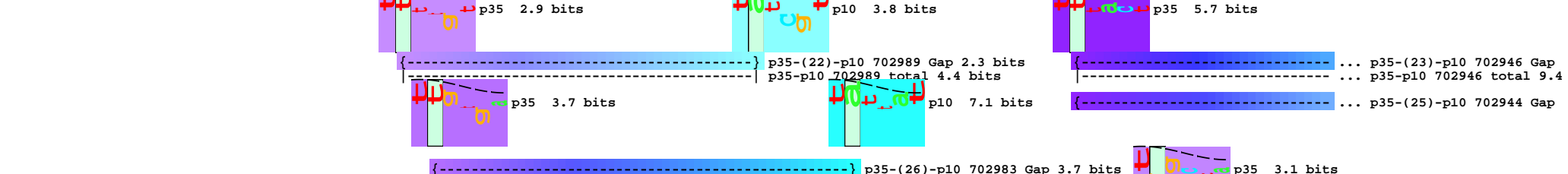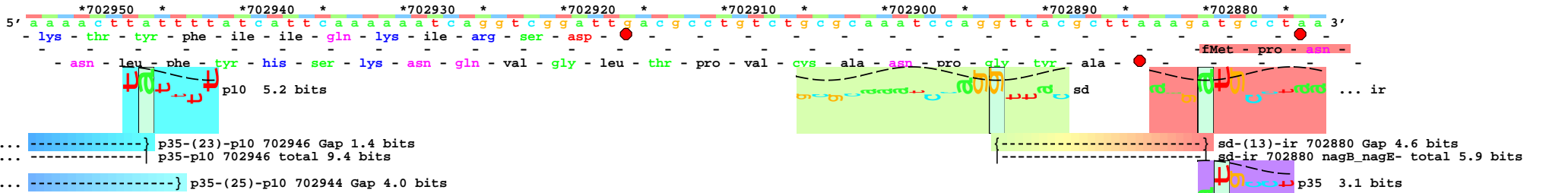
p10   3.2 bits

{-------------- ... p35-(21)-p10 702858 Gap

|-------------- ... p35-p10 702858 total 4.8

... {============================} p35-(23)-p10 702941 Gap 1.4 bits
... ------------------| p35-p10 702944 total 4.8 bits
... -------------------| p35-p10 702941 total 8.0 bits

p10   6.3 bits

```
     *702870   *        *702860   *        *702850   *        *702840   *        *702830   *        *702820   *
5' tccgccaacggcttacattttacttattgaggtgaataatgagactgatcccctgac 3'
 -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -
   - pro - pro - thr - ala - tyr - ile - leu - leu - ile - glu - val - asn - asn - glu - thr - asp - pro - pro - asp -
 -    -    -    -    -    -    -    -   -fMet - arg -    -   -fMet - arg - leu - ile - pro - leu -
```

... ir nagB_nagE-   sd [----------------------------------- ... NC_000913.nagB

p10   5.1 bits   ir nagB_nagE-

p35   2.4 bits   {--------------} sd-(7)-ir 702834 Gap 3.7 bits

p35   5.7 bits |--------------| sd-ir 702834 nagB_nagE- total 13.2 bits

... {=============================} p35-(21)-p10 702858 Gap 3.3 bits   p10   4.6 bits

... ---------------------------| p35-p10 702858 total 4.8 bits   p10   1.4 bits

{-------------------------------------} p35-(22)-p10 702837 Gap 2.3 bits
|---------------------------------------| p35-p10 702837 total 4.7 bits
   {---------------------------------} p35-(22)-p10 702831 Gap 2.3 bits
   |---| p35-p10 702831 total 4.7 bits