piece 1, NC_000913, alpA_yfjI-, config: linear, direction: -, begin: 2757036, end: 2756859

```
      *        *2757030  *        *2757020  *        *2757010  *        *2757000  *        *2756990  *        *2756980  *        *2756970  *        *2756960
5' atctacagggaaaggacgaccattgaacatgcaatgcctcttatttaattaaattaagaaattgtttagcaaatatggcta 3'
   - ile - tyr - arg - glu - arg - thr - thr - ile - glu - his - ala - met - cys - pro - leu - ile -          -fMet - phe - ser - lys - tyr - gly - tyr -
   - leu - gln - gly - lys - asp - asp - his -          - met - gln - cys - leu - leu - phe - asn -                                    -fMet - ala - ile -
... ----------------------------------------------------] NC_000913.yfjI                    [###> orf 8 codons                                            ... ir
```
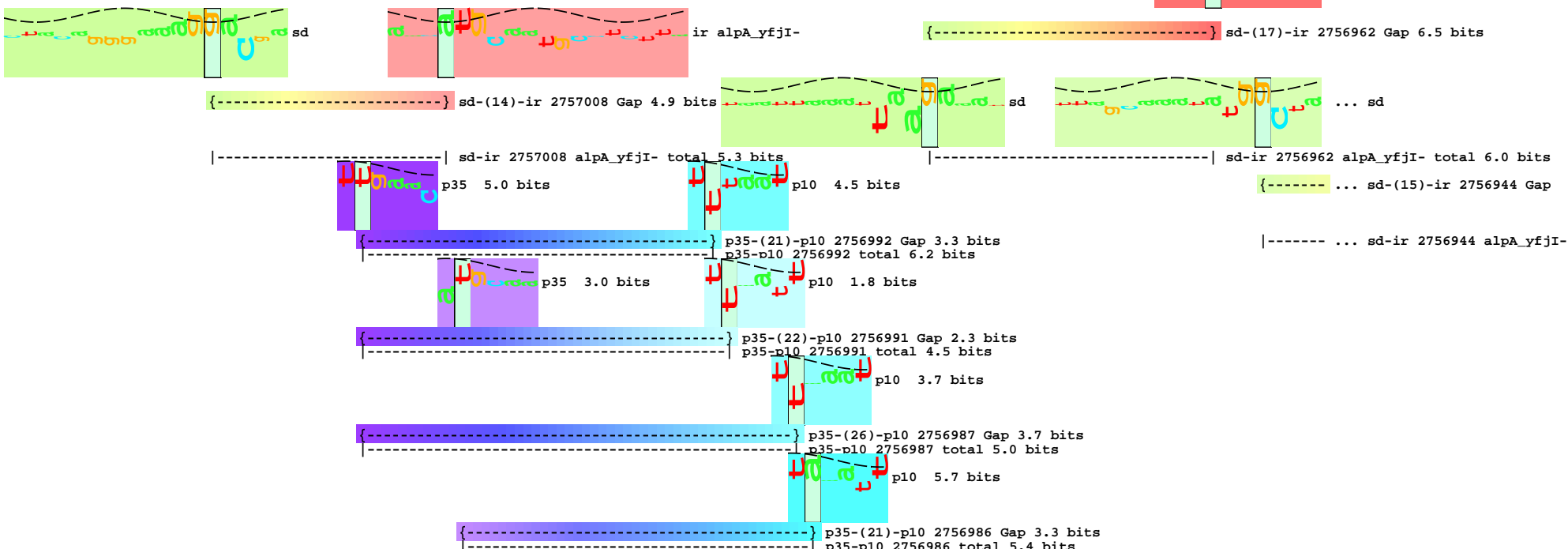
sd

ir alpA_yfjI-

{-------------------------} sd-(17)-ir 2756962 Gap 6.5 bits

{-------------------------} sd-(14)-ir 2757008 Gap 4.9 bits   sd   ... sd

|-------------------------| sd-ir 2757008 alpA_yfjI- total 5.3 bits |-------------------------| sd-ir 2756962 alpA_yfjI- total 6.0 bits

p35 5.0 bits   p10 4.5 bits   {------- ... sd-(15)-ir 2756944 Gap

{-------------------------} p35-(21)-p10 2756992 Gap 3.3 bits |------ ... sd-ir 2756944 alpA_yfjI-
|-------------------------- p35-p10 2756992 total 6.2 bits

p35 3.0 bits   p10 1.8 bits

{-------------------------} p35-(22)-p10 2756991 Gap 2.3 bits
|-------------------------- p35-p10 2756991 total 4.5 bits

p10 3.7 bits

{-------------------------} p35-(26)-p10 2756987 Gap 3.7 bits
|-------------------------- p35-p10 2756987 total 5.0 bits

p10 5.7 bits

{-------------------------} p35-(21)-p10 2756986 Gap 3.3 bits
|-------------------------- p35-p10 2756986 total 5.4 bits

```
      *        *2756950  *        *2756940  *        *2756930  *        *2756920  *        *2756910  *        *2756900  *        *2756890  *        *2756880  *
5' ttccgctattaatggcggaaatagcaggatgtttcactccgatgacagcaattgagtatgaattcatgtaacaccctcaa 3'
   - ser - ala - ile - asn - gly - gly - asn - ser - arg - met - phe - thr - leu - arg -         -fMet - thr - ala - ile - glu - tyr - glu - phe - met -
   - pro - leu - leu - met - ala - glu - ile - ala - gly - cys - leu - his - ser - asp - asp - ser - asn -         -fMet - ser - met - asn - ser - cys - asn - thr - leu - lys -
... --------------------- ir alpA_yfjI-                                   ir alpA_yfjI-          [###> orf 21 codons                                   <------- ... NC_000913.alpA
```
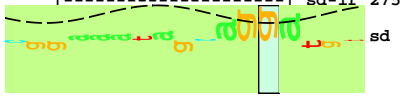
ir alpA_yfjI-   [###> orf 6 codons   p10 1.2 bits   [###> orf 10 codons

... sd   sd   ir alpA_yfjI-

{-------------------------} sd-(11)-ir 2756927 Gap 3.0 bits   p35 3.5 bits

... {-------------------------} sd-(15)-ir 2756944 Gap 6.0 bits   p10 5.8 bits   {-------------------------- ... p35-(24)-p10 2756872 Gap

- 2 -
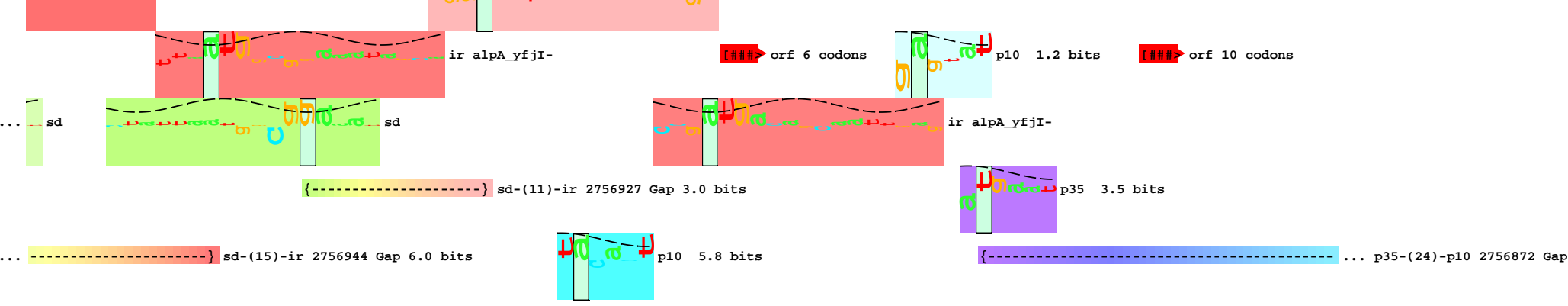
... ----------------------| sd-ir 2756944 alpA_yfjI- total 5.1 bits {------------------------------------} p35-(23)-p10 2756900 Gap 1.4 bits
                              |----------------------| sd-ir 2756927 alpA_yfjI- total 7.4 bits |--- ... p35-p10 2756872 total 4.8

                                                                                          sd

                                              p35   2.6 bits   {----------------------------} sd-(15)-ir 2756913 Gap 6.0 bits

                                        |----------------------------| sd-ir 2756913 alpA_yfjI- total 6.9 bits
                              {--------------------------------} p35-(26)-p10 2756921 Gap 3.7 bits
                              |--------------------------------| p35-p10 2756921 total 4.7 bits
                                                                  p35   5.5 bits
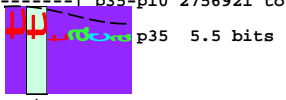
                                                          |-------------------------------------| p35-p10 2756900 total 5.3 bits

            *2756870   *   *2756860
        5' a t a a g t t t a c a g c g t t 3'

... ------------------------------ ... NC_000913.alpA

                                  p10   3.8 bits
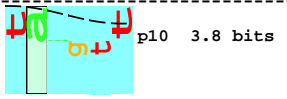
... ----} p35-(24)-p10 2756872 Gap 2.4 bits

... ----| p35-p10 2756872 total 4.8 bits