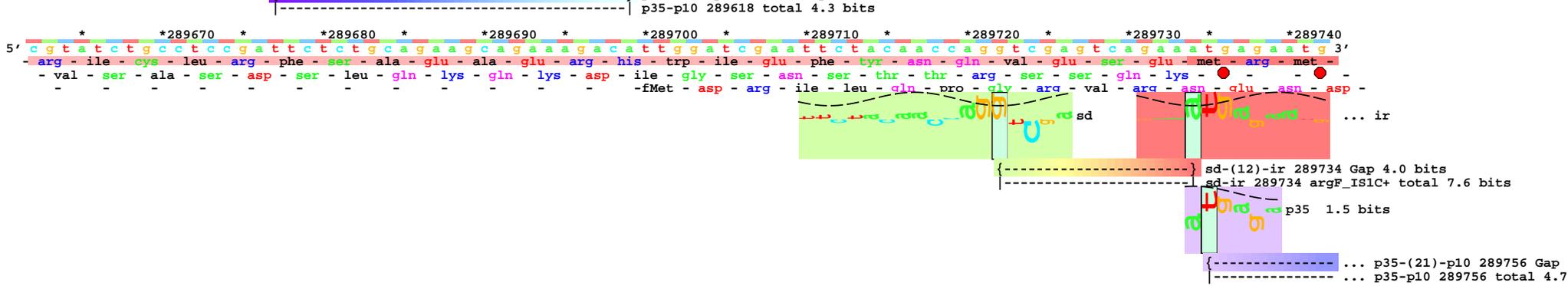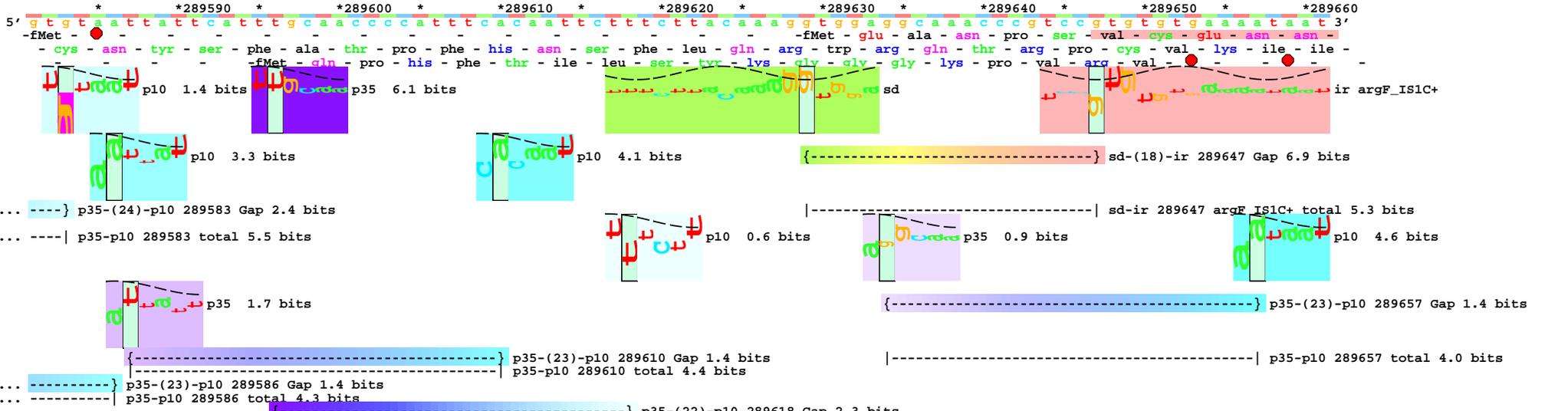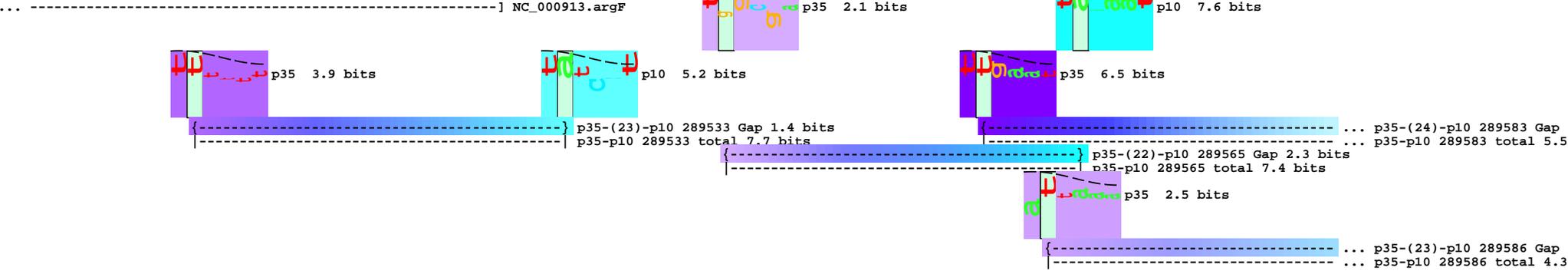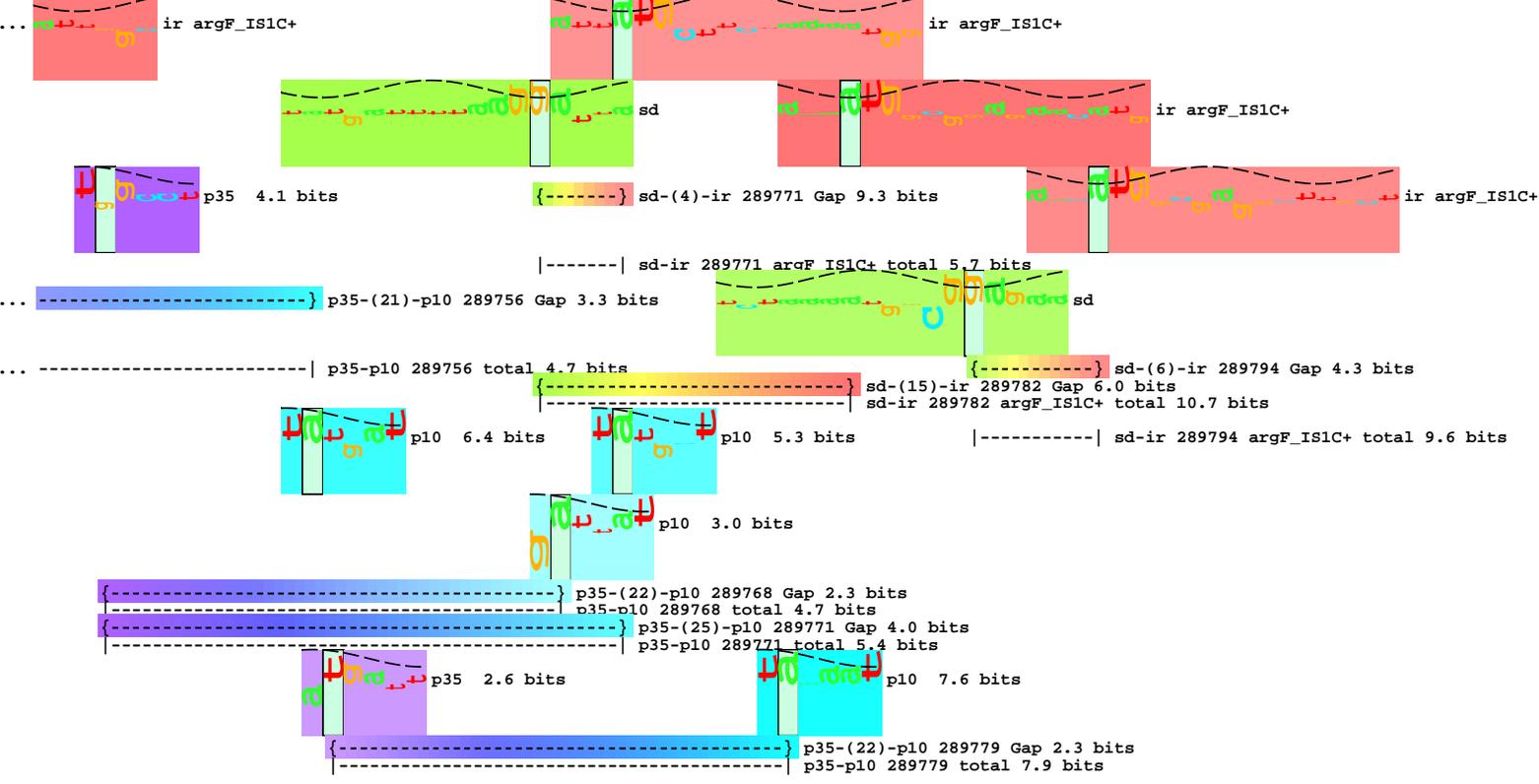piece 1, NC_000913, argF_IS1C+, config: linear, direction: +, begin: 289500, end: 289877

```
      *289500    *    *289510    *    *289520    *    *289530    *    *289540    *    *289550    *    *289560    *    *289570    *    *289580
5' cagaaagtgttttttgtataaatcggacattttatcctcgcatggcgaacgccacttattgaattaaaaattcactttatat 3'
     - gln - lys - val - phe - phe - val -       -           -           -           -           -           -           -           -           - fMet -
       - arg - lys - cys - phe - leu - tyr - lys - ser - asp - ile - leu - ser - ser - his - gly - glu - arg - his - leu - leu - asn -
         - glu - ser - val - phe - cys - ile - asn - arg - thr - phe - tyr - pro - arg - met - ala - asn - ala - thr - tyr -       -       -       -       -       -

... -------------------------------------------------------] NC_000913.argF         p35  2.1 bits                    p10  7.6 bits
```

p35 3.9 bits   p10 5.2 bits   p35 6.5 bits

{--------------------------------} p35-(23)-p10 289533 Gap 1.4 bits   {------------------------- ... p35-(24)-p10 289583 Gap
|--------------------------------| p35-p10 289533 total 7.7 bits |------------------------- ... p35-p10 289583 total 5.5

{------------------------} p35-(22)-p10 289565 Gap 2.3 bits
|------------------------| p35-p10 289565 total 7.4 bits

p35 2.5 bits

{-------------------- ... p35-(23)-p10 289586 Gap
|-------------------- ... p35-p10 289586 total 4.3

```
          *         *289590    *    *289600    *    *289610    *    *289620    *    *289630    *    *289640    *    *289650    *    *289660
5' gtgtaattattcatttgcaaccccatttcacaattctttcttacaaaggtggaggcaaaccgtccgtgttgtgaaataat 3'
  - fMet -       -           -           -           - fMet - glu - ala - asn - pro - ser - val - cys - glu - asn - asn -
       - cys - asn - tyr - ser - phe - ala - thr - pro - phe - his - asn - ser - phe - leu - gln - arg - trp - arg - gln - thr - arg - pro - cys - val - lys - ile - ile -
         - fMet - gln - pro - his - phe - thr - ile - leu - ser - tyr - lys - gly - gly - gly - lys - pro - val - arg - val -       -           -           -
```

p10 1.4 bits   p35 6.1 bits   sd   ir argF_IS1C+

p10 3.3 bits   p10 4.1 bits   {---------------------------} sd-(18)-ir 289647 Gap 6.9 bits

... ----} p35-(24)-p10 289583 Gap 2.4 bits |-----------------------------------| sd-ir 289647 argF_IS1C+ total 5.3 bits

... ----| p35-p10 289583 total 5.5 bits   p10 0.6 bits   p35 0.9 bits   p10 4.6 bits

p35 1.7 bits   {---} p35-(23)-p10 289657 Gap 1.4 bits

{--------------------------------} p35-(23)-p10 289610 Gap 1.4 bits |---| p35-p10 289657 total 4.0 bits
|--------------------------------| p35-p10 289610 total 4.4 bits

... -------} p35-(23)-p10 289586 Gap 1.4 bits
... -------| p35-p10 289586 total 4.3 bits   {------------------------} p35-(22)-p10 289618 Gap 2.3 bits
                                                    |------------------------| p35-p10 289618 total 4.3 bits

```
          *         *289670    *    *289680    *    *289690    *    *289700    *    *289710    *    *289720    *    *289730    *    *289740
5' cgtatctgcctccgattctctgcagaagcagaaagacattggatcgaattctacaaccaggtcgagtcagaaatgagaatg 3'
  - arg - ile - cys - leu - arg - phe - ser - ala - glu - ala - glu - arg - his - trp - ile - glu - phe - tyr - asn - gln - val - glu - ser - glu - met - arg - met -
    - val - ser - ala - ser - asp - ser - leu - gln - lys - gln - lys - asp - ile - gly - ser - asn - ser - thr - thr - arg - ser - ser - gln - lys -
      -       -       -       -       -       -       -       -       -       - fMet - asp - arg - ile - leu - gln - pro - gly - arg - val - arg - asn - glu - asn - asp -
```

sd   ir

{---------------------} sd-(12)-ir 289734 Gap 4.0 bits
|---------------------| sd-ir 289734 argF_IS1C+ total 7.6 bits

p35 1.5 bits

{-------------------- ... p35-(21)-p10 289756 Gap
|-------------------- ... p35-p10 289756 total 4.7

```
        *         *289750    *         *289760    *         *289770    *         *289780    *         *289790    *         *289800    *         *289810    *         *289820
5' attggccttctttatgattttaaggattatgcttctaaaatggcggagaacatggcgaggcttgctgccttacttcattac 3'
  - ile - gly - leu - leu - tyr - asp - phe - lys - asp - tyr - ala - ser - lys - met - ala - glu - asn - met - ala - arg - leu - ala - ala - leu - leu - his - tyr -
    - fMet - ala - phe - phe - met - ile - leu - arg - ile - met - leu - leu - lys - trp - arg - arg - thr - trp - arg - gly - leu - leu - pro - tyr - phe - ile - thr -
      - trp - pro - ser - leu -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -
```

ir argF_IS1C+

ir argF_IS1C+

sd

ir argF_IS1C+

p35   4.1 bits

{-------} sd-(4)-ir 289771 Gap 9.3 bits

ir argF_IS1C+

|-------| sd-ir 289771 argF_IS1C+ total 5.7 bits

... -------------------------} p35-(21)-p10 289756 Gap 3.3 bits

sd

... -------------------------| p35-p10 289756 total 4.7 bits

{-------} sd-(6)-ir 289794 Gap 4.3 bits

{-----------------------} sd-(15)-ir 289782 Gap 6.0 bits

-------------------------| sd-ir 289782 argF_IS1C+ total 10.7 bits

p10   6.4 bits

p10   5.3 bits

|-----------| sd-ir 289794 argF_IS1C+ total 9.6 bits

p10   3.0 bits

{-------------------------------} p35-(22)-p10 289768 Gap 2.3 bits

p35-p10 289768 total 4.7 bits

{-----------------------------------} p35-(25)-p10 289771 Gap 4.0 bits

|-----------------------------------| p35-p10 289771 total 5.4 bits

p35   2.6 bits

p10   7.6 bits

{-----------------------} p35-(22)-p10 289779 Gap 2.3 bits

|-----------------------------------| p35-p10 289779 total 7.9 bits

```
        *         *289830    *         *289840    *         *289850    *         *289860    *         *289870    *
5' ttcagcggtgatggaggcgatatatctgttaccgggtaatgactccaacttatt 3'
  - phe - ser - gly - asp - gly - gly - asp - ile - ser - val - thr - gly -      -      -      -      -      -      -
    - ser - ala - val - met - glu - ala - ile - tyr - leu - leu - pro - gly - asn - asp - ser - asn - leu -
      -      -      -      -      -      -      -      -      -      -      -      - fMet - thr - pro - thr - tyr -
```

[###> orf 72 codons