piece 1, NC_000913, ydeH_ydeI-, config: linear, direction: -, begin: 1622158, end: 1621855
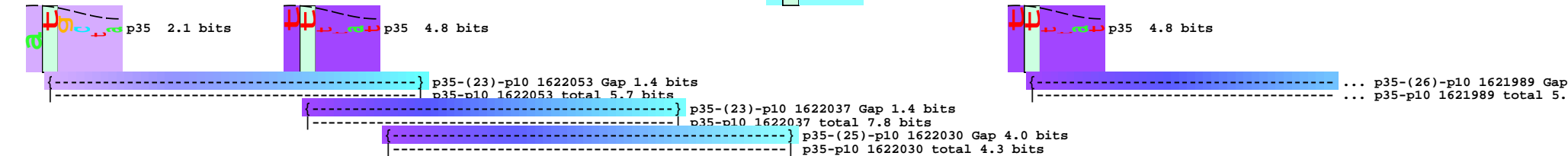
```
        *      *1622150   *       *1622140   *       *1622130   *       *1622120   *       *1622110   *       *1622100   *       *1622090   *       *1622080
5' gtcgttcgggtcactcatttgcagaaataaaaataaattagcctgatggcctgaactactgggccattagggtattgggtt 3'
   - val - val - arg - val - thr - his - leu - gln - lys -   -   -   -   -   -fMet - ala -   -   -   -   -   -   -   -   -
     - ser - phe - gly - ser - leu - ile - cys - arg - asn - lys - asn - lys - leu - ala -   -   -   -   -   -   -   -   -
       - arg - ser - gly - his - ser - phe - ala - glu - ile - lys - ile - asn -   -   -   -   -   -   -   -fMet - gly - tyr -
```
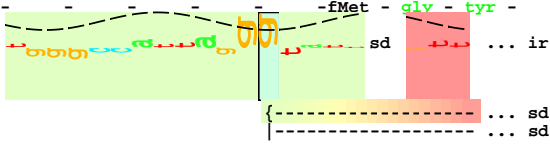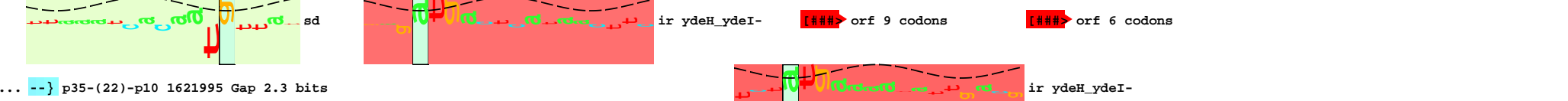
sd ... ir

... sd-(10)-ir 1622077 Gap
... sd-ir 1622077 ydeH_ydeI-

```
        *      *1622070   *       *1622060   *       *1622050   *       *1622040   *       *1622030   *       *1622020   *       *1622010   *       *1622000
5' atgctatttgtcatcctttttattacgataatgcagaggtaatttacagaattaaacacttttttatccgctgatttgtt 3'
   -fMet - leu - phe - val - ile - leu - phe - thr - ile - met - gln - arg -   -   -   -   -   -   -   -   -fMet - phe -
     -   -   -   -   -fMet - ser - ser - phe - tyr - leu - arg -   -   -   -   -   -   -   -   -   -   -   -   -   -
       - ala - ile - cys - his - pro - phe - ile - tyr - asp - asn - ala - glu - val - ile - tyr - arg - ile - lys - his - phe - phe - ile - arg -   -   -   -
```
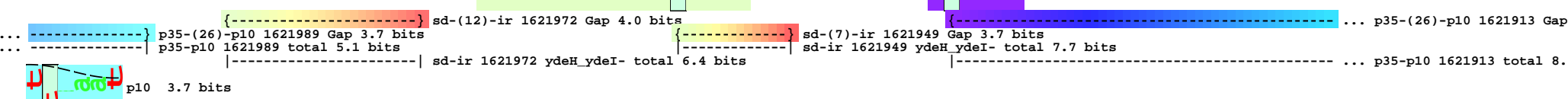
... ir ydeH_ydeI-   p10   5.0 bits   [###> orf 14 codons   p35   3.9 bits

... } sd-(10)-ir 1622077 Gap 2.7 bits   p35   4.6 bits   p10   4.4 bits   ... p35-(22)-p10 1621995 Gap
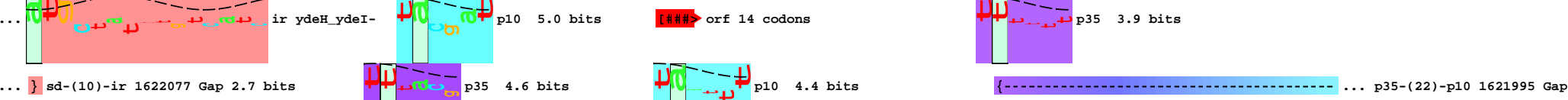
... | sd-ir 1622077 ydeH_ydeI- total 6.2 bits   p10   3.7 bits |----- ... p35-p10 1621995 total 5.3

p35   2.1 bits   p35   4.8 bits   p35   4.8 bits

{----- p35-(23)-p10 1622053 Gap 1.4 bits   {----- p35-(26)-p10 1621989 Gap
|----- p35-p10 1622053 total 5.7 bits   ... p35-p10 1621989 total 5.1
            {----- p35-(23)-p10 1622037 Gap 1.4 bits
            |----- p35-p10 1622037 total 7.8 bits
                {----- p35-(25)-p10 1622030 Gap 4.0 bits
                |----- p35-p10 1622030 total 4.3 bits

```
        *      *1621990   *       *1621980   *       *1621970   *       *1621960   *       *1621950   *       *1621940   *       *1621930   *       *1621920
5' ttaaatcacaatgttatctcagagatgactcataacttcggatttctatgaaaatattgacgtaattttgcttttctctcg 3'
   -   -   -   -   -fMet - leu - ser - gln - arg -   -fMet - thr - his - asn - phe - gly - phe - leu -   -   -   -   -   -fMet - leu - phe - ser - arg -
     -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - lys - ile - leu - thr -   -   -   -   -   -   -   -
```

sd   ir ydeH_ydeI-   [###> orf 9 codons   [###> orf 6 codons

... --} p35-(22)-p10 1621995 Gap 2.3 bits   ir ydeH_ydeI-

... --| p35-p10 1621995 total 5.3 bits   sd   p35   5.5 bits

{----- sd-(12)-ir 1621972 Gap 4.0 bits   {----- sd-(7)-ir 1621949 Gap 3.7 bits   ... p35-(26)-p10 1621913 Gap
... ------} p35-(26)-p10 1621989 Gap 3.7 bits   sd-ir 1621949 ydeH_ydeI- total 7.7 bits
... ------| p35-p10 1621989 total 5.1 bits |----- sd-ir 1621972 ydeH_ydeI- total 6.4 bits   ... p35-p10 1621913 total 8.4

p10   3.7 bits

p10   4.1 bits

```
      *        *1621910  *        *1621900  *        *1621890  *        *1621880  *        *1621870  *        *1621860  *
5' t t a g a a t a g c g c g c a c a a g g a a c t g t g a a a a a g g a g t g g c a a t g a t c a a g a a g a c a a c g g a 3'
    -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - lys - lys - glu - trp - gln - -   -   -   -   -   -   -   -
    -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - ala - met - ile - lys - lys - thr - thr -

        p10  6.6 bits                              sd      [------------------------------------------ ... NC_000913.ydeH

                                                                              ir ydeH_ydeI-

                                                              {----------------} sd-(8)-ir 1621874 Gap 2.4 bits
... ----} p35-(26)-p10 1621913 Gap 3.7 bits                   |---------------| sd-ir 1621874 ydeH_ydeI- total 14.6 bits

... ----| p35-p10 1621913 total 8.4 bits
```