piece 1, NC_000913, pitB_gsp+, config: linear, direction: +, begin: 3134364, end: 3134704

```
        *      *3134370  *      *3134380  *      *3134390  *      *3134400  *      *3134410  *      *3134420  *      *3134430  *      *3134440  *
5' t a t a t c a a g g c c a a c a a a t a a a t t t a g c a t a t a t t a g a t t a c g c c a t t t t g a a t t t a c g a a c g g a c g c a t t a t c a g t g a c t 3'
  -   tyr - ile - lys - ala - asn - lys -     phe - ser - ile - tyr -     -   -   -   -   -fMet- asn - leu - arg - thr - asp - ala - leu - ser - val - thr -   -
      tyr - gln - gly - gln - gln - ile - asn - leu - ala - tyr - ile - arg - leu - arg - his - phe - glu - phe - thr - asn - gly - arg - ile - ile - ser - asp - phe -
... --------------------------------------------------------] NC_000913.pitB                                                                      ... sd
```

p35   6.5 bits

p35   0.8 bits   p10   6.5 bits   p10   1.3 bits

{----------------------} p35-(22)-p10 3134394 Gap 2.3 bits   {----------------------} p35-(22)-p10 3134435 Gap 2.3 bits
|----------------------| p35-p10 3134394 total 5.0 bits |----------------------| p35-p10 3134435 total 5.5 bits

... p35

```
        *      *3134450  *      *3134460  *      *3134470  *      *3134480  *      *3134490  *      *3134500  *      *3134510  *      *3134520  *
5' t t a a c g g c a t g g c a a a g t g a a a t a t c a t t t t t a a c g a t a a a a a g a g t g t t a t t c t t g t g t a t c a g a c a a t a a g c a t t c 3'
  -   leu - thr - ala - trp - ala - lys -     -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet- cys - ile - arg - gln -     -   -   -   -   -
      asn - gly - met - gly - lys - val - lys - tyr - his - phe - leu - thr - ile - lys - arg - val - leu - phe - leu - val - tyr - gln - thr - ile - ser - ile - his -
... sd                            ir pitB_gsp+                                              ir pitB_gsp+
```
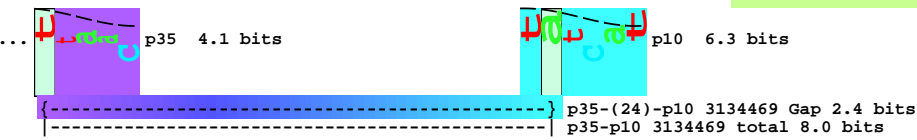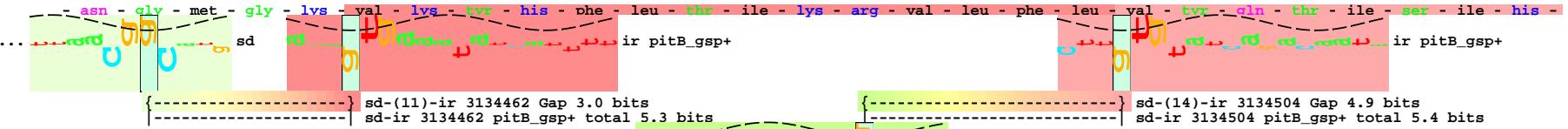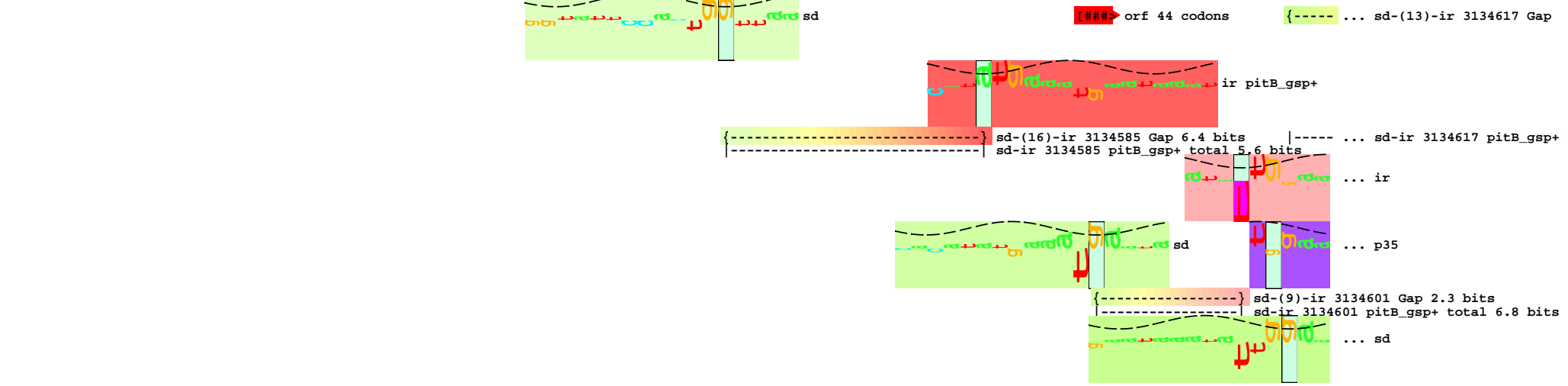
{----------------} sd-(11)-ir 3134462 Gap 3.0 bits   {----------------} sd-(14)-ir 3134504 Gap 4.9 bits
|----------------| sd-ir 3134462 pitB_gsp+ total 5.3 bits |----------------| sd-ir 3134504 pitB_gsp+ total 5.4 bits

sd

... p35   4.1 bits   p10   6.3 bits

{----------------------} p35-(24)-p10 3134469 Gap 2.4 bits
|----------------------| p35-p10 3134469 total 8.0 bits

```
        *      *3134530  *      *3134540  *      *3134550  *      *3134560  *      *3134570  *      *3134580  *      *3134590  *      *3134600  *
5' a t t c a a a a c c t t t a g a a a t a a t c a a a a c a c a g g t a t t c c a c t g g t t a a t a t a t t c a c a t a t g a a a t g a a t a a a t a t t g g a a 3'
  -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet- glu -
                                                                                            -fMet- asn - lys - tyr - trp - asn -   -
      ser - lys - pro - leu - glu - ile - ile - lys - thr - gln - val - phe - his - trp - leu - ile - tyr - ser - his - met - lys -   -   -   -   -   -   -
                                                    sd                              [###]> orf 44 codons        {----- ... sd-(13)-ir 3134617 Gap
```
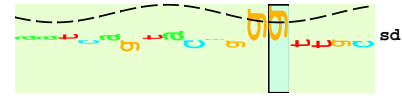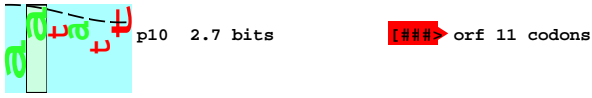
ir pitB_gsp+

{--------------------} sd-(16)-ir 3134585 Gap 6.4 bits |----- ... sd-ir 3134617 pitB_gsp+ t
|--------------------| sd-ir 3134585 pitB_gsp+ total 5.6 bits

... ir

... p35

sd

{----------------} sd-(9)-ir 3134601 Gap 2.3 bits
|----------------| sd-ir 3134601 pitB_gsp+ total 6.8 bits

... sd

p35 3.5 bits {------- ... p35-(23)-p10 3134626 Gap

{------------------------------- ... p35-(23)-p10 3134614 Gap

|------------------------------- ... p35-p10 3134614 total 4.7

|------- ... p35-p10 3134626 total 5.5

```
    *3134610  *       *3134620  *       *3134630  *       *3134640  *       *3134650  *       *3134660  *       *3134670  *       *3134680  *
5' tatataaatattgaatattttgattaatccccgtactgattattcttcataatcagtacggggttgctacaacatgtatta 3'
- tyr - ile - asn - ile - glu - tyr - phe - asp -  -   -   -   -   -   -   -   -   -   -   -   -   - -fMet - leu - gln - his - val - leu -
- ile -  -   -   -  -fMet - asn - ile - leu - ile - asn - pro - arg - thr - asp - tyr - ser - ser -  -   -   -   -   -   -fMet - tyr - tyr -
  -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
```
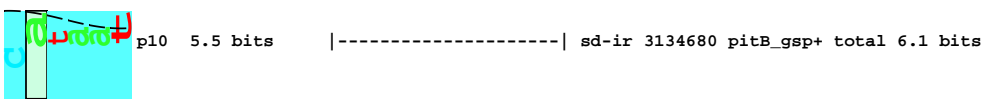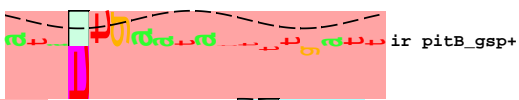
... -------------------} sd-(13)-ir 3134617 Gap 4.6 bits   [###> orf 14 codons   ... ir

p10 2.7 bits   [###> orf 11 codons   sd

... -------------------| sd-ir 3134617 pitB_gsp+ total 5.9 bits   p10 6.0 bits   {--------------------} sd-(11)-ir 3134680 Gap 3.0 bits

ir pitB_gsp+   p10 5.5 bits |----------------------| sd-ir 3134680 pitB_gsp+ total 6.1 bits

... ir pitB_gsp+   p10 2.5 bits

... p35 4.4 bits   p35 5.7 bits

{----------------------------} p35-(21)-p10 3134648 Gap 3.3 bits
|----------------------------| p35-p10 3134648 total 8.4 bits

... sd   p35 2.6 bits

... -------------------------------------} p35-(23)-p10 3134626 Gap 1.4 bits
... --------------} p35-(23)-p10 3134614 Gap 1.4 bits
... --------------| p35-p10 3134614 total 4.7 bits{---} p35-(25)-p10 3134655 Gap 4.0 bits
... -------------------------------------| p35-p10 3134626 total 5.5 bits
                                          |---| p35-p10 3134655 total 4.1 bits

```
    *3134690  *       *3134700
5' cttttttcaccacaatta 3'
- leu - phe - his - his - asn -
- phe - phe - thr - thr - ile -
  -   -   -   -   -
```

... ir pitB_gsp+