piece 1, NC_000913, yjgM_yjgN+, config: linear, direction: +, begin: 4477531, end: 4477772
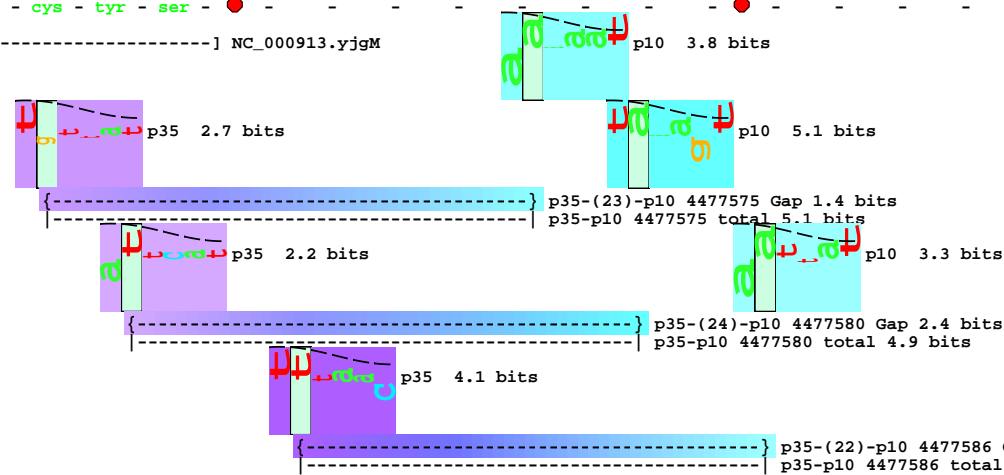
```
          *        *4477540  *        *4477550  *        *4477560  *        *4477570  *        *4477580  *        *4477590  *        *4477600  *        *4477610
5' t a c a g g t g a t t g c g g c g c a a t g t t a t t c a t a g t t t a a c c c a a t a a a a a t a a a g t a a t t a t a c a t t t g t t t a a t a c c a c t c t 3'
   - tyr - arg -   -fMet - arg - arg - asn - val - ile - his - ser - leu - thr - gln -   -   -   -   -   -   -   -   - -fMet - phe - asn - thr - thr - leu -
       - thr - gly - asp - cys - gly - ala - met - leu - phe - ile - val -   - thr - gln -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
           - gln - val - ile - ala - ala - gln - cys - tyr - ser -   - ile -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
... --------------------------------------------------------------] NC_000913.yjgM
```
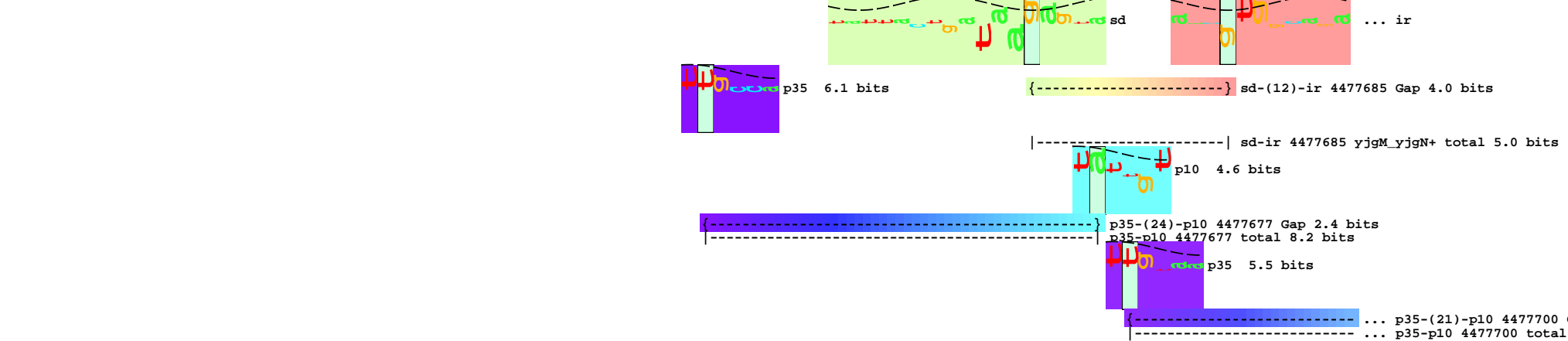
p10 3.8 bits

p35 2.7 bits

p10 5.1 bits

{-----------------------------------} p35-(23)-p10 4477575 Gap 1.4 bits
|-----------------------------------| p35-p10 4477575 total 5.1 bits

p35 2.2 bits

p10 3.3 bits

{---} p35-(24)-p10 4477580 Gap 2.4 bits
|---| p35-p10 4477580 total 4.9 bits

p35 4.1 bits

{--} p35-(22)-p10 4477586 Gap 2.3 bits
|--| p35-p10 4477586 total 5.1 bits

```
          *        *4477620  *        *4477630  *        *4477640  *        *4477650  *        *4477660  *        *4477670  *        *4477680  *        *4477690
5' c t t c t t a c g t a c g c a a g c g a c t t a t a a a g t a a t a a a g t t t t t g c c a g c c t a t t a c t g a t a a g a g t a t t g t a a c g t g g c a g a 3'
   - phe - leu - arg - thr - gln - ala - thr - tyr - lys - val - ile - lys - phe - leu - pro - ala - tyr - tyr -   -   -   -   -   - -fMet -   - -fMet - ala - glu -
```
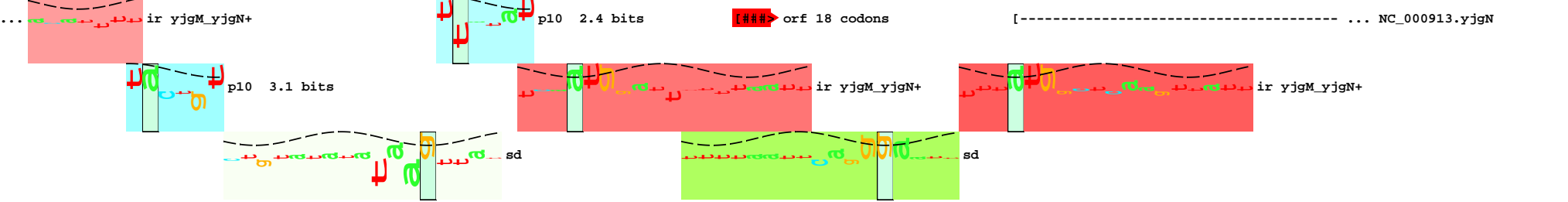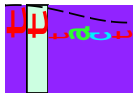
sd

... ir

p35 6.1 bits

{---------------------------} sd-(12)-ir 4477685 Gap 4.0 bits

|---------------------------| sd-ir 4477685 yjgM_yjgN+ total 5.0 bits

p10 4.6 bits

{---} p35-(24)-p10 4477677 Gap 2.4 bits
|---| p35-p10 4477677 total 8.2 bits

p35 5.5 bits

{--------------------------------------- ... p35-(21)-p10 4477700 Gap
|--------------------------------------- ... p35-p10 4477700 total 5.4

```
          *        *4477700  *        *4477710  *        *4477720  *        *4477730  *        *4477740  *        *4477750  *        *4477760  *        *4477770
5' a c a t t t a c t g t c t g t a t a t a a g t t a t a t c a a t g g a t t t t t t a a t t c a g g a a t t t t t a t g g c t c a a g t t a t t a a t g a 3'
   -   -   -   -   -   -   -   -   -   -   -   - -fMet - asp - phe - leu - ile - gln - gly - ile - phe - met - ala - gln - val - ile - asn -
   - his - phe - thr - val - cys - ile - tyr - lys - leu - tyr - gln - trp - ile - phe -   -   -   -   -   -   -   -   -   -   - -fMet -
```

... ir yjgM_yjgN+

p10 2.4 bits

[###> orf 18 codons

[-- ... NC_000913.yjgN

p10 3.1 bits

ir yjgM_yjgN+

ir yjgM_yjgN+

sd

sd

p35   5.7 bits

{------------------} sd-(9)-ir 4477726 Gap 2.3 bits

{----------------} sd-(8)-ir 4477753 Gap 2.4 bits

|------------------| sd-ir 4477726 yjgM_yjgN+ total 5.9 bits
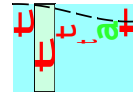
p10   3.2 bits

{--------------------------------} p35-(21)-p10 4477719 Gap 3.3 bits

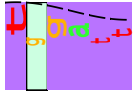|--------------------------------| p35-p10 4477719 total 4.8 bits

|---------------| sd-ir 4477753 yjgM_yjgN+ total 14.6 bits

... {--------------} p35-(21)-p10 4477700 Gap 3.3 bits

p10   2.2 bits

... --------------| p35-p10 4477700 total 5.4 bits

p35   3.6 bits

{-----------------------------------} p35-(22)-p10 4477720 Gap 2.3 bits

|-----------------------------------| p35-p10 4477720 total 5.5 bits

{-----------------------------------} p35-(22)-p10 4477750 Gap 2.3 bits

|-----------------------------------| p35-p10 4477750 total 4.4 bits