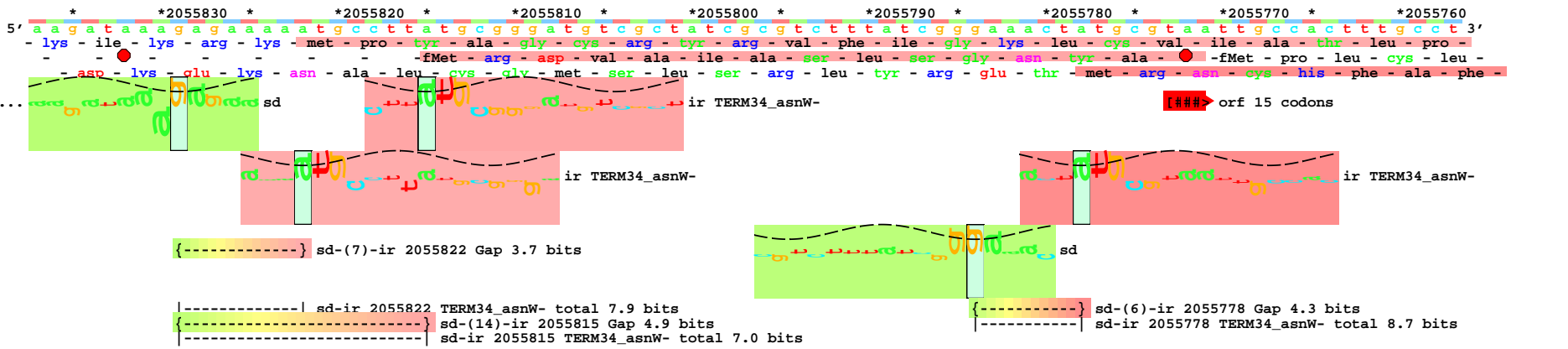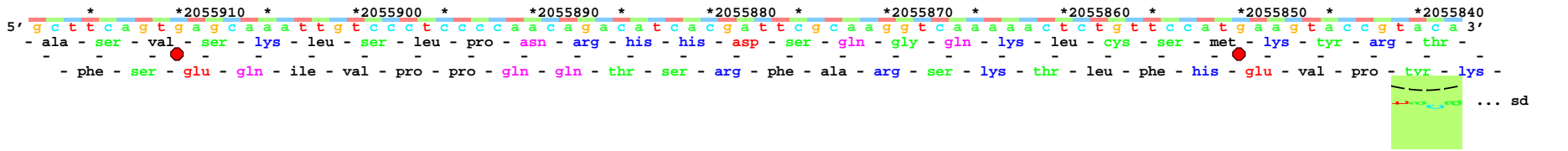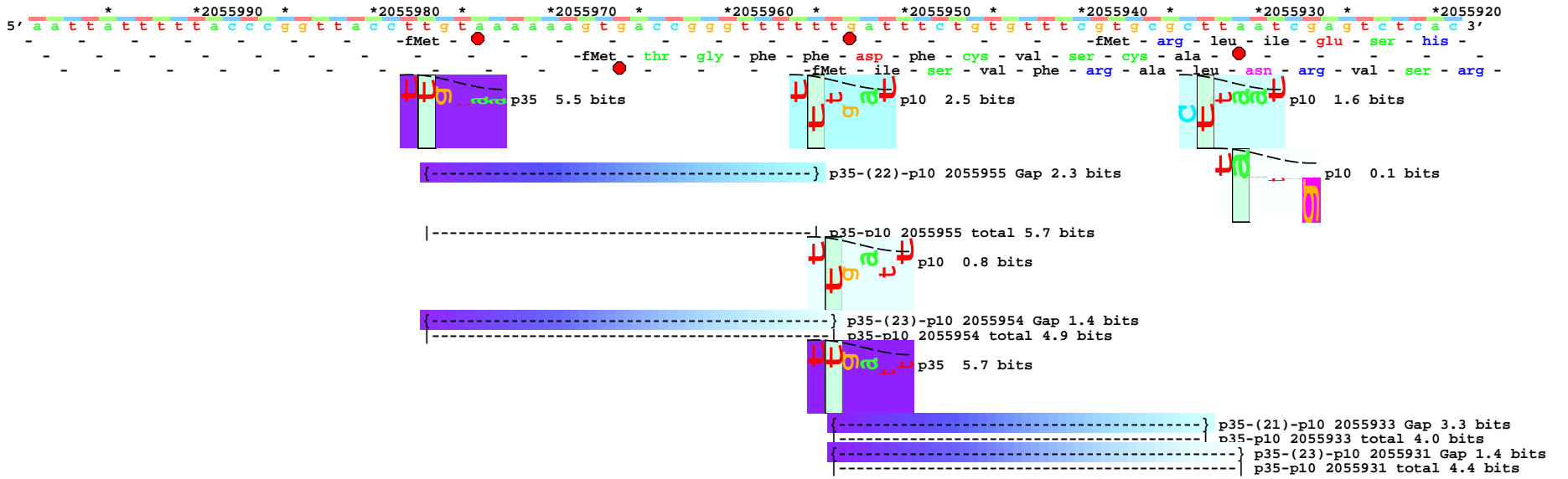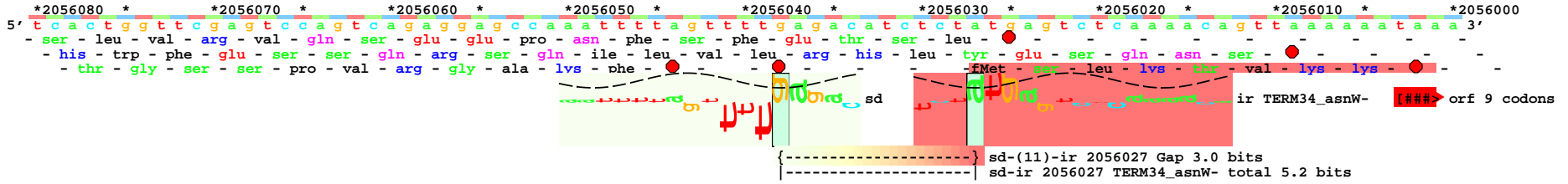piece 1, NC_000913, TERM34_asnW-, config: linear, direction: -, begin: 2056080, end: 2055620

```
        *2056080  *        *2056070  *        *2056060  *        *2056050  *        *2056040  *        *2056030  *        *2056020  *        *2056010  *        *2056000
5' t c a c t g g t t c g a g t c c a g t c a g a g g a g c c a a a t t t t a g t t t t g a g a c a t c t c t a t g a g t c t c a a a a c a g t t a a a a a a t a a a 3'
   - ser - leu - val - arg - val - gln - ser - glu - glu - pro - asn - phe - ser - phe - glu - thr - ser - leu -              -              -              -
   - his - trp - phe - glu - ser - ser - gln - arg - ser - gln - ile - leu - val - leu - arg - his - leu - tyr - glu - ser - gln - asn - ser -
   - thr - gly - ser - ser - pro - val - arg - gly - ala - lys - phe -              -    -fMet - ser - leu - lys - thr - val - lys - lys -    -    -
```

sd   ir TERM34_asnW-   [###]> orf 9 codons

{- - - - - - - - - - - - - -} sd-(11)-ir 2056027 Gap 3.0 bits
|- - - - - - - - - - - - - -| sd-ir 2056027 TERM34_asnW- total 5.2 bits

```
               *        *2055990  *        *2055980  *        *2055970  *        *2055960  *        *2055950  *        *2055940  *        *2055930  *        *2055920
5' a a t t a t t t t a c c c g g t t a c c t t g t a a a a a g t g a c c g g t t t t t t g a t t t c t g t g t t t c g t g c g c t t a a t c g a g t c t c a c 3'
   -    -    -    -    -    -    -    -fMet -    -    -    -    -fMet - thr - gly - phe - phe - asp - phe - cys - val - ser - cys - ala -
                                        -fMet -    -    -    -    -    -    -fMet - arg - leu - ile - glu - ser - his -
                                                                    -fMet - ile - ser - val - phe - arg - ala - leu - asn - arg - val - ser - arg -
```

p35   5.5 bits   p10   2.5 bits   p10   1.6 bits

{- -} p35-(22)-p10 2055955 Gap 2.3 bits

p10   0.1 bits

|- -| p35-p10 2055955 total 5.7 bits

p10   0.8 bits

{- -} p35-(23)-p10 2055954 Gap 1.4 bits
|- -| p35-p10 2055954 total 4.9 bits

p35   5.7 bits

{- - - - - - - - - - - - - - -} p35-(21)-p10 2055933 Gap 3.3 bits
|- - - - - - - - - - - - - - -| p35-p10 2055933 total 4.0 bits
{- - - - - - - - - - - - - - - - -} p35-(23)-p10 2055931 Gap 1.4 bits
|- - - - - - - - - - - - - - - - -| p35-p10 2055931 total 4.4 bits

```
               *        *2055910  *        *2055900  *        *2055890  *        *2055880  *        *2055870  *        *2055860  *        *2055850  *        *2055840
5' g c t t c a g t g a g c a a a t t g t c c c t c c c c a a c a g a c a t c a c g a t t c g c a a g g t c a a a a a c t c t g t t c c a t g a a g t a c c g t a c a 3'
   - ala - ser - val - ser - lys - leu - ser - leu - pro - asn - arg - his - his - asp - ser - gln - gly - gln - lys - leu - cys - ser - met - lys - tyr - arg - thr -   -
   - phe - ser - glu - gln - ile - val - pro - pro - gln - gln - thr - ser - arg - phe - ala - arg - ser - lys - thr - leu - phe - his - glu - val - pro - tyr - lys -
```

... sd

```
               *        *2055830  *        *2055820  *        *2055810  *        *2055800  *        *2055790  *        *2055780  *        *2055770  *        *2055760
5' a a g a t a a a g a g a g a a a a a t g c c t t a t g c a g g a t g t c g c t a t c g c g t c t t t a t c g g g a a a c t a t g c t g t a a t t g c c a c t t t g c c t 3'
   - lys - ile - lys - arg - lys - met - pro - tyr - ala - gly - cys - arg - tyr - arg - val - phe - ile - gly - lys - leu - cys - val - ile - ala - thr - leu - pro -
   -    -    -    -    -    -    -fMet - arg - asp - val - ala - ile - ala - ser - leu - ser - gly - asn - tyr - ala -    -fMet - pro - leu - cys - leu -
   - asp - lys - glu - lys - asn - ala - leu - cys - gly - met - ser - leu - ser - arg - leu - tyr - arg - glu - thr - met - arg - asn - cys - his - phe - ala - phe -
```

... sd   ir TERM34_asnW-   [###]> orf 15 codons

ir TERM34_asnW-   ir TERM34_asnW-

sd

{- - - - - -} sd-(7)-ir 2055822 Gap 3.7 bits   {- - - - - -} sd-(6)-ir 2055778 Gap 4.3 bits
                                                     |- - - - - -| sd-ir 2055778 TERM34_asnW- total 8.7 bits

|- - - - - - - - -| sd-ir 2055822 TERM34_asnW- total 7.9 bits
{- - - - - - - - - -} sd-(14)-ir 2055815 Gap 4.9 bits
|- - - - - - - - - -| sd-ir 2055815 TERM34_asnW- total 7.0 bits

```
         *      *2055750   *       *2055740   *       *2055730   *       *2055720   *       *2055710   *       *2055700   *       *2055690   *      *2055680
     5' t c t g t a a t c a g a a a a a g a a g a a c t g g a a t t t t a a t a a a t a t t a t t t c t c t g g g a a c g g g g g g g t a t a a t c a a t a t g a c g a g 3'
       - ser - val - ile - arg - lys - arg - arg - thr - gly - ile - leu - ile - asn - ile - ile - ser - leu - gly - thr - gly - gly - tyr - asn - gln - tyr - asp - glu -
       - leu -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   fMet - thr - ser -
       - cys - asn - gln - lys - lys - lys - asn - trp - asn - phe - asn - lys - tyr - tyr - phe - ser - gly - asn - gly - gly - val -   -   -   -   -   -
```
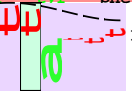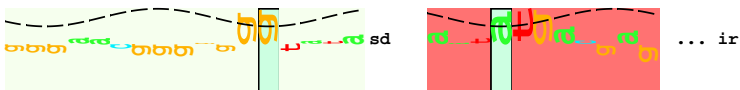
p35 1.0 bits

[###> orf 30 codons

sd

... ir

{----------------} sd-(11)-ir 2055683 Gap 3.0 bits
|----------------| sd-ir 2055683 TERM34_asnW- total 5.6 bits

p10 8.4 bits

{-----------------------} p35-(23)-p10 2055692 Gap 1.4 bits
|-----------------------| p35-p10 2055692 total 8.0 bits

p35 1.6 bits

{-----------------------------... p35-(23)-p10 2055669 Gap
|-----------------------------... p35-p10 2055669 total 7.2
{-----------------------------... p35-(26)-p10 2055666 Gap
|-----------------------------... p35-p10 2055666 total 4.4

```
         *      *2055670   *       *2055660   *       *2055650   *       *2055640   *       *2055630   *      *2055620
     5' t t g a a t t a t t t t t a t a a g a a t t a t a t g a g a t t a a a g a a t c t g c c g t a a g 3'
       - leu - asn - ile - ile - phe - phe - ile - arg - ile - ile -   -   -   -   -   -   -   -   -   -
       -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
       -   -   -   -   -   -   -   - fMet - arg - leu - lys - lys - ser - ala - val - lys -
```
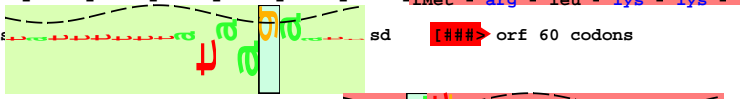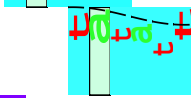
[###> orf 4 codons

sd

[###> orf 60 codons

... ir TERM34_asnW-

ir TERM34_asnW-

p10 7.1 bits

{--------------} sd-(7)-ir 2055646 Gap 3.7 bits

p10 6.5 bits

|--------------| sd-ir 2055646 TERM34_asnW- total 7.3 bits

p35 6.5 bits

p10 3.3 bits

{-----------------------} p35-(23)-p10 2055651 Gap 1.4 bits
|-----------------------| p35-p10 2055651 total 8.4 bits

p10 2.4 bits

... -----------} p35-(23)-p10 2055669 Gap 1.4 bits

p10 1.4 bits

... -----------| p35-p10 2055669 total 7.2 bits
... -----------} p35-(26)-p10 2055666 Gap 3.7 bits
... -----------| p35-p10 2055666 total 4.4 bits

{-----------------------------} p35-(25)-p10 2055649 Gap 4.0 bits

```
|---------------------------------------------| p35-p10 2055649 total 4.9 bits
|---------------------------------------------} p35-(26)-p10 2055648 Gap 3.7 bits
|---------------------------------------------| p35-p10 2055648 total 4.3 bits
```