- 1 -

piece 1, NC_000913, menD_menF-, config: linear, direction: -, begin: 2377399, end: 2377262

```
         *        *2377390 *        *2377380 *        *2377370 *        *2377360 *        *2377350 *        *2377340 *        *2377330 *        *2377320
5' gggctgcgtactttattacaaatggaatagtaatgagtcgcatcattaccgattcatatcaataatctatttttgtagctc 3'
   - gly - leu - arg - thr - leu - leu - gln - met - glu -●- asn - ser - asn -●- glu - ser - his - his - tyr - arg - phe - ile - ser - ile - ile - tyr - phe - cys - ser - ser -
   - ala - ala - tyr - phe - ile - thr - asn - gly - ile - val - met - ser - arg - ile - ile - thr - asp - ser - tyr - gln -●- - - - - - fMet -●- - - - -
```

ir menD_menF-

[###> orf 11 codons    p35   4.6 bits

sd

p35   1.0 bits

p10   5.2 bits

{------------------] sd-(8)-ir 2377367 Gap 2.4 bits
|------------------| sd-ir 2377367 menD_menF- total 13.8 bits

{------------------ ... p35-(23)-p10 2377303 Gap
|------------------ ... p35-p10 2377303 total 6.6

{-------------------------------------------} p35-(23)-p10 2377331 Gap 1.4 bits
|-------------------------------------------| p35-p10 2377331 total 4.8 bits

{------------------ ... p35-(24)-p10 2377302 Gap
|------------------ ... p35-p10 2377302 total 4.9
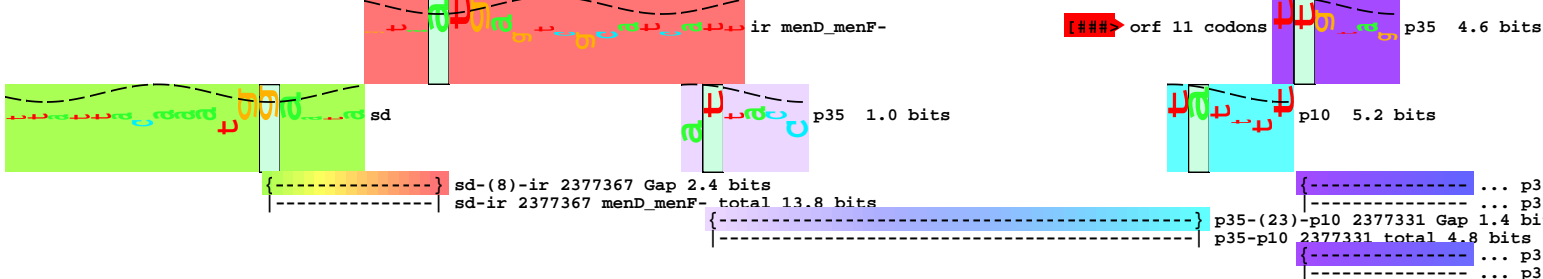
```
         *        *2377310 *        *2377300 *        *2377290 *        *2377280 *        *2377270 *
5' cttatacttagccgcaatattgatacccggacaaactcatgtcagtaagcgcatttaa 3'
   - leu - tyr - leu - ala - ala - ile - leu - ile - pro - asp - lys - leu - met - ser - val - ser - ala - phe -
   - - -●- - - - - - - - - - - -●- - - - - - - - - -●- - -
```

sd    [---------------------------------- ... NC_000913.menD

p10   3.4 bits

ir menD_menF-

...{------------------------------} p35-(23)-p10 2377303 Gap 1.4 bits
...|------------------------------| p35-p10 2377303 total 6.6 bits

p10   2.7 bits    {------------------] sd-(9)-ir 2377281 Gap 2.3 bits

|------------------| sd-ir 2377281 menD_menF- total 8.3 bits

...{------------------------------} p35-(24)-p10 2377302 Gap 2.4 bits
...|------------------------------| p35-p10 2377302 total 4.9 bits