piece 1, NC_000913, yeeL_shiA+, config: linear, direction: +, begin: 2051323, end: 2051686

```
       *        *2051330 *        *2051340 *        *2051350 *        *2051360 *        *2051370 *        *2051380 *        *2051390 *        *2051400
5' aatacgtctcaacaatgatgctaaaaacatacctaacctcgcctccctactggttataatgcaatgcagtctatcagactc 3'
   - asn - thr - ser - gln - gln - asp - ala - lys - asn - ile - pro - asn - leu - ala - ser - leu - leu - val - ile - met -fMet - gln - ser - ile - arg - leu -
   - ile - arg - leu - asn - asn - asp - ala - lys - asn - ile - pro - asn - leu - ala - ser - leu - leu - val - ile - met - gln - cys - ser - leu - ser - asp - ser -
   - tyr - val - ser - thr - met - met - leu - lys - thr - tyr - leu - thr - ser - pro - pro - tyr - trp - leu -   -   -   -   -   -   -   -   -   -
```
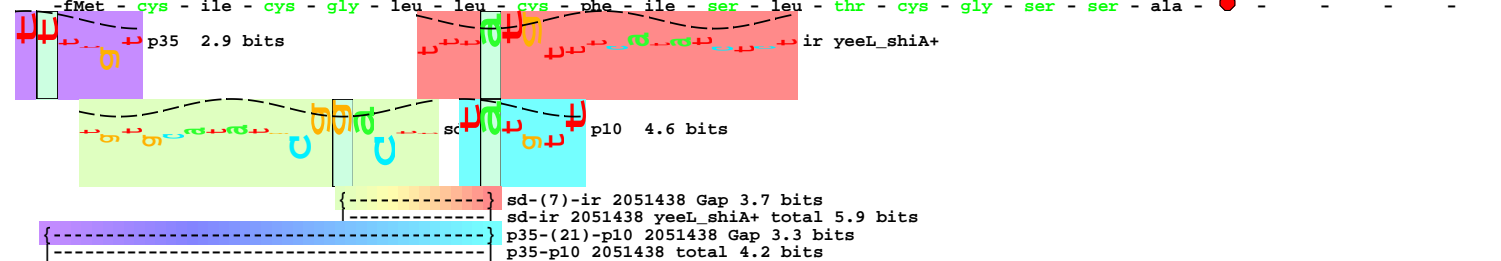
```
       *        *2051410 *        *2051420 *        *2051430 *        *2051440 *        *2051450 *        *2051460 *        *2051470 *        *2051480
5' atcagggtgccattttgtcatatgctttatgtttcatatctctaacctcgctaatccttaactcttaaaca 3'
   - ile - arg - val - pro - phe - cys - ala - tyr - ala - asp - phe - tyr - val - ser - tyr - leu -   -   -fMet - gly - pro - leu - leu - asn - pro -   -   -
   - ser - gly - cys - his - phe - val - his - met - arg - thr - phe - met - phe - his - ile - ser - asn - leu - trp - val - leu - cys - leu - ile - leu - lys - gln -
   -   -   -   -fMet - cys - ile - cys - gly - leu - leu - cys - phe - ile - ser - leu - thr - cys - gly - ser - ser - ala -   -   -   -   -
```
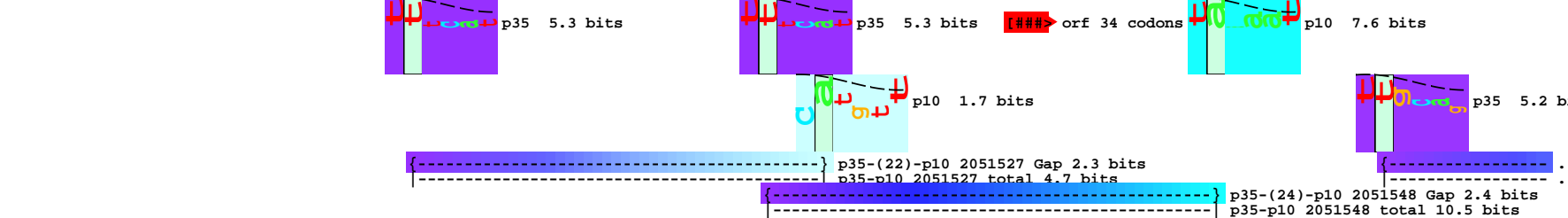
p35   2.9 bits

ir yeeL_shiA+

sd   p10   4.6 bits

{ - - - - - - - } sd-(7)-ir 2051438 Gap 3.7 bits
| - - - - - - - | sd-ir 2051438 yeeL_shiA+ total 5.9 bits

{ - - - - - - - - - - } p35-(21)-p10 2051438 Gap 3.3 bits
| - - - - - - - - - - | p35-p10 2051438 total 4.2 bits

```
   *        *2051490 *        *2051500 *        *2051510 *        *2051520 *        *2051530 *        *2051540 *        *2051550 *        *2051560 *
5' acaccagcaactcctgcgctttcatcttccatcgaattttcatgttgccgctaatcagccataaaatcatttgcagatgc 3'
   -   -   -   -   -   -   -   -   -   -fMet - leu - pro - leu - ile - ser - his - lys - ile - ile - cys - arg - cys -
   - his - gln - gln - leu - leu - arg - phe - his - leu - pro - ser - asn - phe - ser - cys - cys - arg -   -   -   -   -   -   -fMet - gln - met - arg -
```

p35   5.3 bits   p35   5.3 bits   [###> orf 34 codons   p10   7.6 bits

p10   1.7 bits

p35   5.2 bits

{ - - - - - - - - - - - - - - } p35-(22)-p10 2051527 Gap 2.3 bits
| - - - - - - - - - - - - - - | p35-p10 2051527 total 4.7 bits   { - - - - - - - ... p35-(22)-p10 2051579 Gap
                                                                        | - - - - - - - ... p35-p10 2051579 total 7.0

{ - - - - - - - - - - - - - - } p35-(24)-p10 2051548 Gap 2.4 bits
| - - - - - - - - - - - - - - | p35-p10 2051548 total 10.5 bits

```
      *2051570 *        *2051580 *        *2051590 *        *2051600 *        *2051610 *        *2051620 *        *2051630 *        *2051640 *
5' gctctgtcgaggtagtctcataaggttcgtttatagatcgacggcaatgtgagttacctttccatactaattataaaag 3'
   - ala - leu - ser - arg -   -   -   -   -   -   -   -   -   -fMet - leu - ser - tyr - leu - phe - his - thr - asn - tyr - lys - lys -
      - ser - val - glu - val - val - ser -   -   -   -   -   -   -   -fMet -   -   -   -   -   -   -   -   -   -   -   -   -
```

p10   4.1 bits

... { - - - - - - - - - - - } p35-(22)-p10 2051579 Gap 2.3 bits
... | - - - - - - - - - - - | p35-p10 2051579 total 7.0 bits

```
      *2051650 *        *2051660 *        *2051670 *        *2051680 *
5' acagtacaaacaggatcattatggactccacgctcatctc 3'
   - thr - val - gln - thr - gly - ser - leu - trp - thr - pro - arg - ser - ser -
   -   -   -   -   -   -   -   -   -   -   -   -   -
                                -fMet - asp - ser - thr - leu - ile -
```

sd [- ... NC_000913.shiA

ir yeeL_shiA+

{ - - - - - - - } sd-(7)-ir 2051667 Gap 3.7 bits
| - - - - - - - | sd-ir 2051667 yeeL_shiA+ total 9.2 bits