

piece 1, NC_000913, mdtM_yjiP-, config: linear, direction: -, begin: 4567050, end: 4566523

*4567050 * *4567040 * *4567030 * *4567020 * *4567010 * *4567000 * *4566990 * *4566980 * *4566970

5' a t g c g g c g t g c t g g t c g t g a a g t t t g t c a t g g c g a t c c a t c a c c t g t t g a a a a g a t g g c c t g a c t t t a g c g a c t a a c a a 3'

-fMet - arg - arg - ala - gly - arg - glu - val - cys - his - gly - asp - pro - ser - pro - val - glu - lys - asp - gly - leu - thr - leu - ala - thr - asn - lys -

- cys - gly - val - leu - val - val - lys - phe - val - met - ala - ile - his - his - leu - leu - lys - lys - met - ala - - - - -

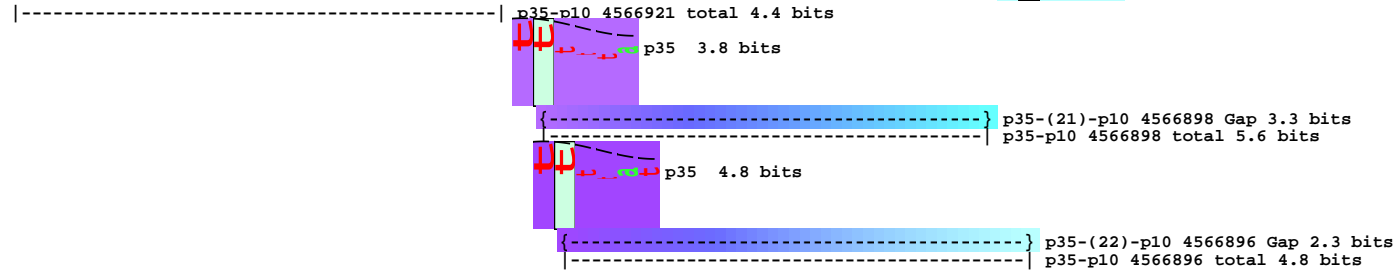
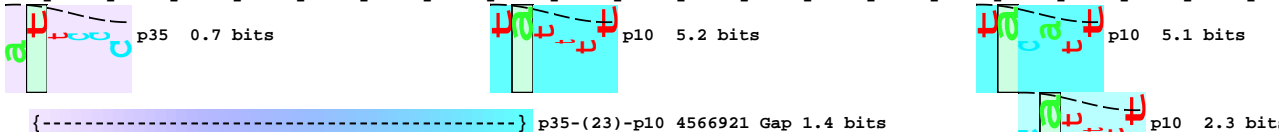
- ala - ala - cys - trp - ser - - - -fMet - ser - trp - arg - ser - ile - thr - cys - - - - -

-----] NC_000913.yjiP

* * *4566960 * *4566950 * *4566940 * *4566930 * *4566920 * *4566910 * *4566900 * *4566890

5' a c c a t t c t c a c c c g g c a a t t t c c c a t t c c c c g a g g c g c t t t c c a g g c t t a t t t t a t t o t t o t t g c a a a c g a t a c a t t t t t c c 3'

- thr - ile - leu - thr - arg - gln - phe - pro - ile - pro - arg - gly - ala - phe - gln - ala - ile - phe - ile - leu - leu - gln - thr - ile - his - phe - ser -

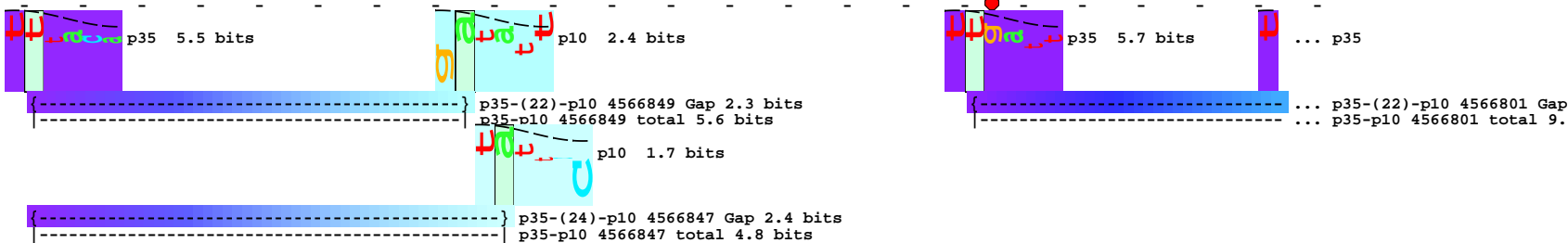


* *4566880 * *4566870 * *4566860 * *4566850 * *4566840 * *4566830 * *4566820 * *4566810

5' g g a a a c a a g c t c g c g t t t t a c a t g t c c t g t a c c c g g c a g a t a t t c c c c t t t a c a c c g c g c t c t t t t g a t t a a c c g c a a a t t 3'

- gly - asn - lys - leu - ala - phe - tyr - met - ser - cys - thr - arg - gln - ile - phe - pro - phe - pro - pro - arg - ser - phe - asp - - - - -

- - - - -fMet - ile - asn - arg - lys - phe - - - - -

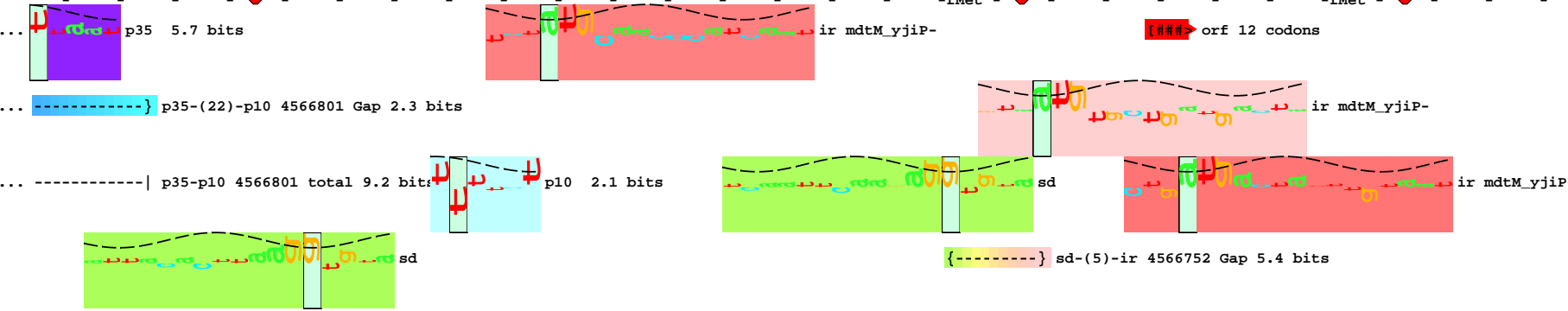


* *4566800 * *4566790 * *4566780 * *4566770 * *4566760 * *4566750 * *4566740 * *4566730

5' t t a a t t a c a c t t a a g g t g t a t a t t t t c t a t g c a a c c c a t c a a t t c a a g a g g t g t a a t g t g c t g a t g a c t a t t t g t a a t c g t 3'

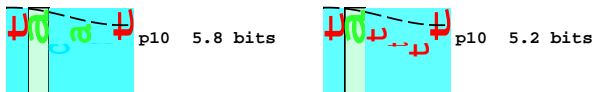
-fMet - tyr - ile - phe - tyr - ala - thr - his - gln - phe - lys - arg - cys - asn - val - leu - met - thr - ile - cys - asn - arg -

-fMet - gln - pro - ile - asn - ser - arg - gly - val - met - cys - - - - -fMet - - - - -



sd-(13)-ir 4566779 Gap 4.6 bits
 sd-ir 4566779 mdtM_yjiP- total 10.7 bits

sd-ir 4566752 mdtM_viiP- total 5.4 bits
 ir mdtM_yjiP-



sd-(7)-ir 4566750 Gap 3.7 bits

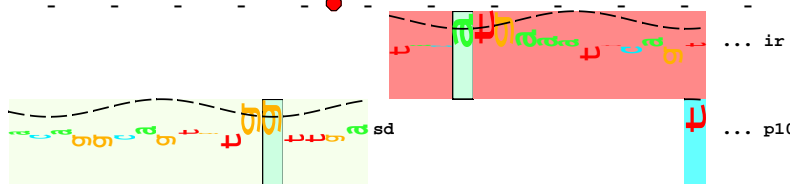
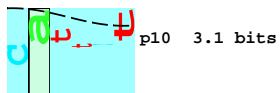
p35-(21)-p10 4566786 Gap 3.3 bits
 p35-p10 4566786 total 7.6 bits
 p35-(23)-p10 4566784 Gap 1.4 bits
 p35-p10 4566784 total 6.3 bits

sd-ir 4566750 mdtM_yjiP- total 8.6 bits
 sd-(13)-ir 4566744 Gap 4.6 bits
 sd-ir 4566744 mdtM_yjiP- total 11.1 bits
 p35 3.4 bits

p35-(22)-p10 4566721 Gap
 p35-p10 4566721 total 4.2

5' t a t a c a t t t c t g a c c c g a a g t c a g a a a g t a t t t c t c t g t c t g t g t g t t c a c a g g c a g t g t g g t t g a t t a c a t g a a a t t c a g t 3'
 -fMet - phe - thr - phe - gly - ser - val - val - asp - tyr - met - lys - phe - ser -

[###] orf 12 codons



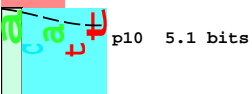
sd-(9)-ir 4566657 Gap 2.3 bits
 sd-ir 4566657 mdtM_yjiP- total 5.1 bits
 p35 1.7 bits

p35-(22)-p10 4566645 Gap
 p35-p10 4566645 total 4.4

p35-(22)-p10 4566721 Gap 2.3 bits
 p35-p10 4566721 total 4.2 bits

5' a c a t t t g c a g t c t c g t t g c c c t t c t c a c c t t c g c c t t t c g t c a t t a c c g a c g g t a t t g a a t t t c g t t t t c c c g t t g g g g t t c 3'
 -fMet - phe - gln - ser - arg - cys - pro - ser - his - leu - pro - phe - val - ile - thr - asp - gly - ile - glu - phe - arg - phe - pro - arg - trp - gly - ser -
 -fMet - asn - phe - val - phe - pro - val - gly - val - leu -

[###] orf 23 codons



p35-(22)-p10 4566645 Gap 2.3 bits
 p35-p10 4566645 total 4.4 bits

5' t c c g g a c a a g g a g t t g t t t g t t a t g c c a c g t t t t t t a c c c g 3'
 - ser - gly - gln - gly - val - val - cys - tyr - ala - thr - phe - phe - tyr - pro -
 - pro - asp - lys - glu - leu - phe - val - met - pro - arg - phe - phe - thr -

- arg - thr - arg - ser - cys - leu - leu - cys - his - val - phe - leu - pro -

