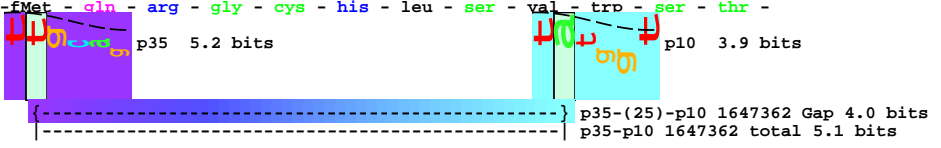


piece 1, NC_000913, rzpQ_dicF-, config: linear, direction: -, begin: 1647435, end: 1646986

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

- lys - thr - asp - thr - ala - lys - arg - his - gln - lys - ile - asp - asn - arg - gly - arg - cys - ser - gly - val - val - thr - ● - -
 - lys - leu - ile - pro - pro - asn - val - thr - arg - lys - leu - ile - thr - glu - gly - val - ala - ala - gly - leu - ser - leu - lys - arg - met - val - asn -
 - asn - ● -

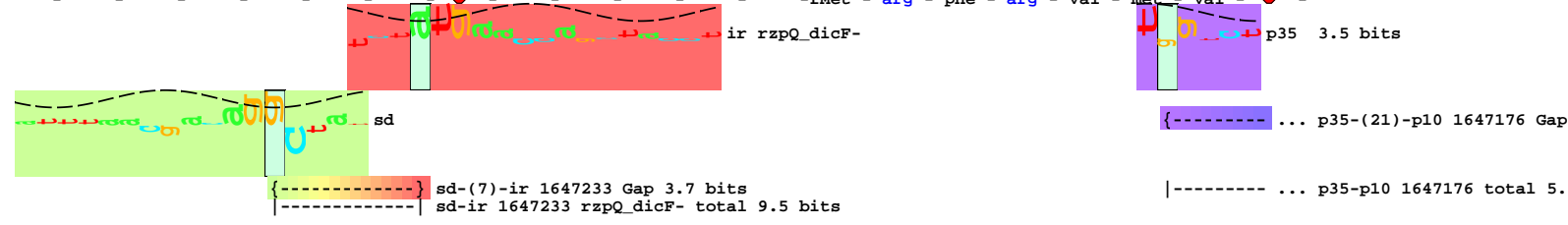


5' *c c t g a c a a c c c g g t g t c c t c a a c g g g a a g g a a t a a c c c c g c c a t a c t t a c c g c c g c c a t t t c g c g g g t t g c c a c a a c c* 3'

- leu - thr - thr - arg - cys - pro - gln - arg - gly - arg - asn - asn - pro - ala - ile - leu - thr - ala - ala - pro - phe - arg - gly - leu - pro - gln - pro -

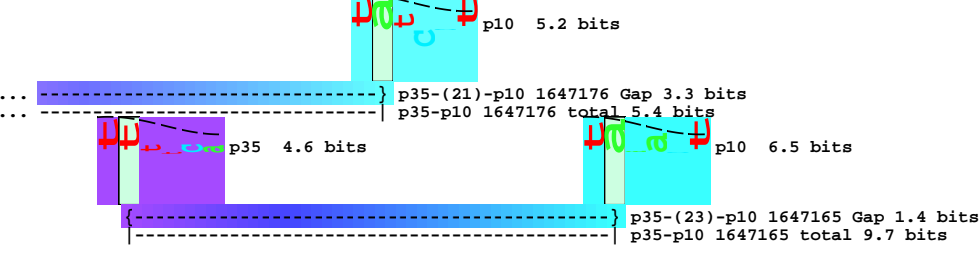
5' *g g a a g c g c a c g g t c g a c g a a a a t t t a a c g a c a g g c t a t c t a t g a a c c a g c t a c c t c g c c a t g c g c t t t c g c g t t a t g g t c t* 3'

- glu - ala - his - gly - arg - arg - lys - phe - asn - asp - arg - leu - ser - met - ● - gln - leu - pro - arg - his - ala - leu - ser - arg - tyr - gly - leu - ● -
 -
 - fMet - arg - phe - arg - val - met - val - ● -



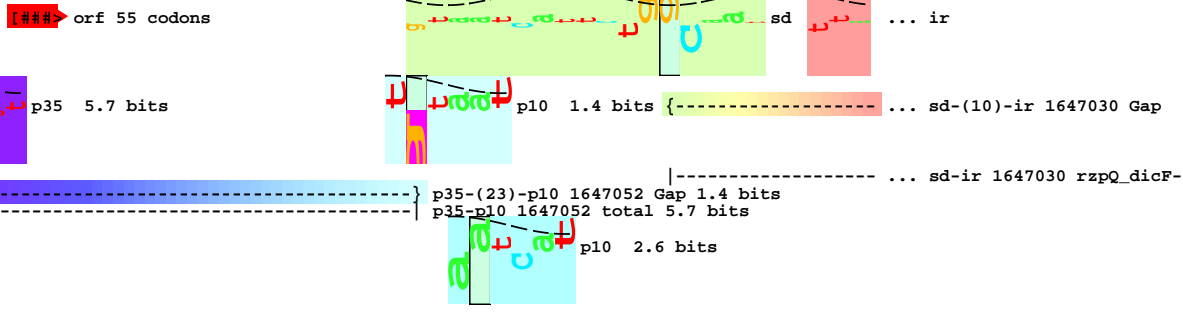
5' *g a c t t t t c a g g g a a a t a t c c t t t c a g t a a a c t g t c a g t t c c g g a t g c g c a c c c g t g t c o g g c g c a c g c a c t c c a c c t c a c c* 3'

- thr - phe - gln - gly - ● - ile - leu - ser - val - ● - cys - gln - phe - arg - met - arg - thr - arg - val - arg - arg - thr - his - ser - thr - ser - pro -
 -
 - fMet - ser - gly - ala - arg - thr - pro - pro - his - pro -



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

- val - glu - ● - ser - leu - ile - thr - ● - leu - ser - phe - val - asp - ● -
 - trp - arg - thr - pro - ● -
 - fMet - leu - ile - ser - tyr - ● -
 - fMet - leu - asn - ● -



p35-(26)-p10 1647049 Gap 3.7 bits
p35-p10 1647049 total 4.6 bits

*1647030 * *1647020 * *1647010 * *1647000 * *1646990
5' a t g c c g c t g c t t t t t c c a g a t t g g t g a t a t c c t g c t c c a g a g c g g 3'

-fMet - pro - leu - leu - phe - pro - asp - trp - - - - -
- ala - ala - ala - phe - ser - arg - leu - val - ile - ser - cys - ser - arg - ala -

... ir rzpQ_dicF- [###> orf 9 codons

sd-(10)-ir 1647030 Gap 2.7 bits
sd-ir 1647030 rzpQ_dicF- total 6.6 bits