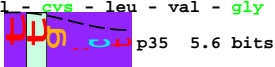


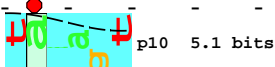
piece 1, NC_000913, exuR_yqjA+, config: linear, direction: +, begin: 3245421, end: 3245814

5' *ctcgaatacagccaccagcggcaggtaaaatgaaatctccctggtccgacagcgctgcaatggcgcctgtttgtctctcgtcggtaagc* 3'
 - leu - asp - thr - ala - thr - ser - gly - ser - lys - ● - -fMet - arg - leu - phe - val - ser - ser - val - ser -
 - ser - ile - gln - pro - pro - ala - ala - val - asn - glu - ile - pro - val - arg - gln - ala - leu - gln - cys - ala - cys - leu - ser - arg - arg - ● - -
 - arg - tyr - ser - his - gln - arg - gln - ● -fMet - lys - phe - leu - ser - asp - arg - arg - cys - asn - ala - pro - val - cys - leu - val - gly - lys - arg -



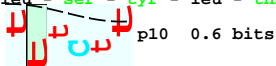
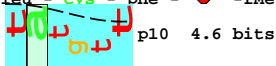
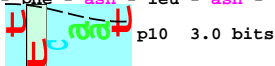
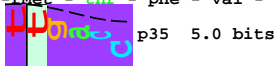
... p35-(25)-p10 3245511 Gap
 ... p35-p10 3245511 total 6.7

5' *gaaaagtgataaagtggtcagcctgtgtgtaaaatcctctcgcacacccctccctgcattccagcaaaaatccagactccacggacatggt* 3'
 - glu - lys - tyr - lys - val - ser - ala - cys - val - asn - pro - leu - ala - thr - leu - pro - cys - ile - gln - gln - asn - gln - thr - pro - arg - thr - cys -
 - lys - val - ● - -fMet - ● - -



... p35-(25)-p10 3245511 Gap 4.0 bits
 ... p35-p10 3245511 total 6.7 bits

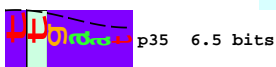
5' *aatTTTgataaacgaacacgTTgacCTTtTgTtacaattagattccaattTgaattTatgTttTtgaaTgctTtcttatactca* 3'
 - asn - phe - asp - asn - glu - gln - arg - ● - -fMet - leu - gln - leu - asp - ser - ile - ● - -fMet - phe - leu - asn - ala - phe - leu - ser - his -
 - -fMet - ile - thr - asn - asn - val - asp - leu - cys - tyr - asn - ● - -fMet - phe - leu - ser - phe - ● -fMet - leu - ser - tyr - leu - thr -
 - ● - ● - -fMet - thr - phe - val - thr - ile - arg - phe - asn - leu - asn - leu - cys - phe - ● -



... p35-(21)-p10 3245625 Gap 3.3 bits

... p10 1.3 bits

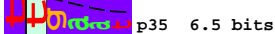
... p35-p10 3245625 total 4.7 bits



... p35-(23)-p10 3245627 Gap 1.4 bits
 ... p35-p10 3245627 total 5.1 bits

... p35-(23)-p10 3245668 Gap

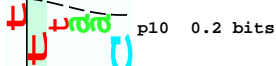
... p35-(24)-p10 3245638 Gap 2.4 bits
 ... p35-p10 3245638 total 4.4 bits



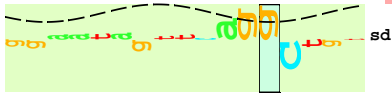
... p35-(22)-p10 3245653 Gap 2.3 bits
 ... p35-p10 3245653 total 4.8 bits

... p35-(26)-p10 3245657 Gap 3.7 bits
 ... p35-p10 3245657 total 4.1 bits

5' *cgaTTTtaacaggggaatagTtccagcctgtgTtgaTgtatcaaaaaccgcagaaacataccaaaaacagcaataaacattgcggtag* 3'
 - asp - leu - thr - gly - asn - ser - ser - gly - cys - val - asp - val - ser - asn - pro - gln - asn - ile - pro - lys - gln - gln - ● - -fMet - arg - ● -
 - ile - ● - -fMet - leu - met - tyr - gln - thr - arc - arg - thr - tyr - gln - asn - ser - asn - asn - ile - ala - val - val -



ir exuR_yqjA+



... -----} p35-(23)-p10 3245668 Gap 1.4 bits
... -----} p35-p10 3245668 total 5.3 bits

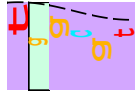
{-----} sd-(9)-ir 3245696 Gap 2.3 bits
-----} sd-ir 3245696 exuR_yqjA+ total 5.3 bits

* *3245750 * *3245760 * *3245770 * *3245780 * *3245790 * *3245800 * *3245810 *
5' t g c a t c t t t t a a a a c c a g c g t g g c g t t a a c c g a t t c a c c a g g a a t a a t g a a t g g a a c t t t t t g a c c c a a t t 3'

- his - leu - leu - lys - pro - ala - trp - arg - fMet - ala - leu - thr - asp - ser - pro - gly - ile - met - val - gly - thr - phe - asp - pro - ile -

[###] orf 26 codons

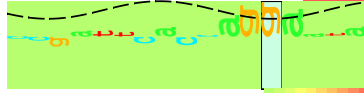
... NC_000913.yqjA



p35 2.3 bits



ir exuR_yqjA+



sc



ir exuR_yqjA+

{-----} sd-(5)-ir 3245791 Gap 5.4 bits
-----} sd-ir 3245791 exuR_yqjA+ total 11.1 bits

{-----} sd-(9)-ir 3245795 Gap 2.3 bits
-----} sd-ir 3245795 exuR_yqjA+ total 10.2 bits



p10 4.6 bits

{-----} p35-(22)-p10 3245788 Gap 2.3 bits
-----} p35-p10 3245788 total 4.5 bits