

piece 1, NC_000913, ypjC_ileY-, config: linear, direction: -, begin: 2783813, end: 2783014

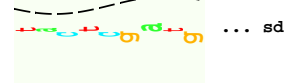
*2783810 * *2783800 * *2783790 * *2783780 * *2783770 * *2783760 * *2783750 * *2783740 *

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

- ser - leu - val - gln - val - gln - gln - gly - pro - pro - asn - his - tyr - leu - arg - ile - arg - lys - ser - fMet -

- arg - trp - phe - lys - ser - ser - lys - gly - his - gln - ile - ile - ile - tyr - val - ser - gly - arg - val - lys - gly - thr - arg - gly - thr - arg - trp -

- ala - gly - ser - ser - pro - ala - arg - ala - thr - lys - ser - leu - phe - thr - tyr - gln - glu - glu - leu - arg - val - gln - gly - val - leu - asp - gly -



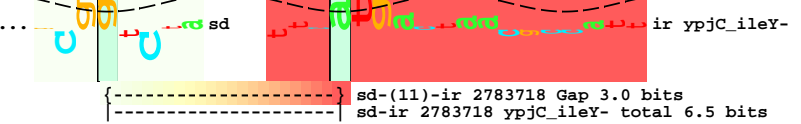
*2783730 * *2783720 * *2783710 * *2783700 * *2783690 * *2783680 * *2783670 * *2783660 *

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

- ala - val - tyr - ile - ser - fMet - gly - gly - phe - glu - fMet - phe - trp - tyr -

- arg - ser - ile - phe - his - asp - fMet - arg - trp - val - val - ser - asn - glu - gly - trp - cys - phe - gly - thr -

- gly - leu - tyr - phe - met - thr - val - ala - ile - ser - arg - lys - lys - cys - gly - gly - trp - phe - arg - met - arg - ala - gly - val - leu - val - arg -



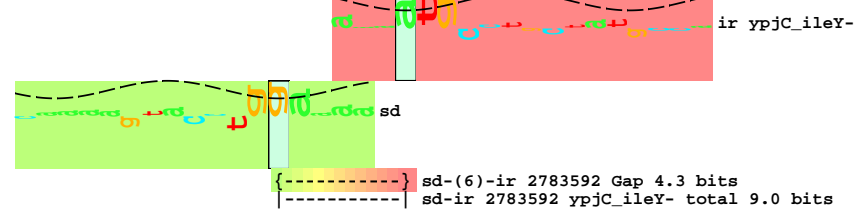
*2783650 * *2783640 * *2783630 * *2783620 * *2783610 * *2783600 * *2783590 * *2783580 *

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

- val - ala - arg - his - cys - asn - val - phe - ile - his - gln - tyr - ser - phe - lys - ser - thr - trp - lys - lys - cys - leu - leu - cys - gln - ala - gly -

- trp - his - ala - thr - ala - met - tyr - leu - ser - ile - ser - thr - his - ser - lys - val - pro - gly - lys - asn - ala - cys - tyr - ala - lys - arg - ala -

- gly - thr - pro - leu - gln - cys - ile - tyr - pro - ser - val - leu - ile - gln - lys - tyr - leu - glu - lys - met - pro - ala - met - pro - ser - gly - gln -



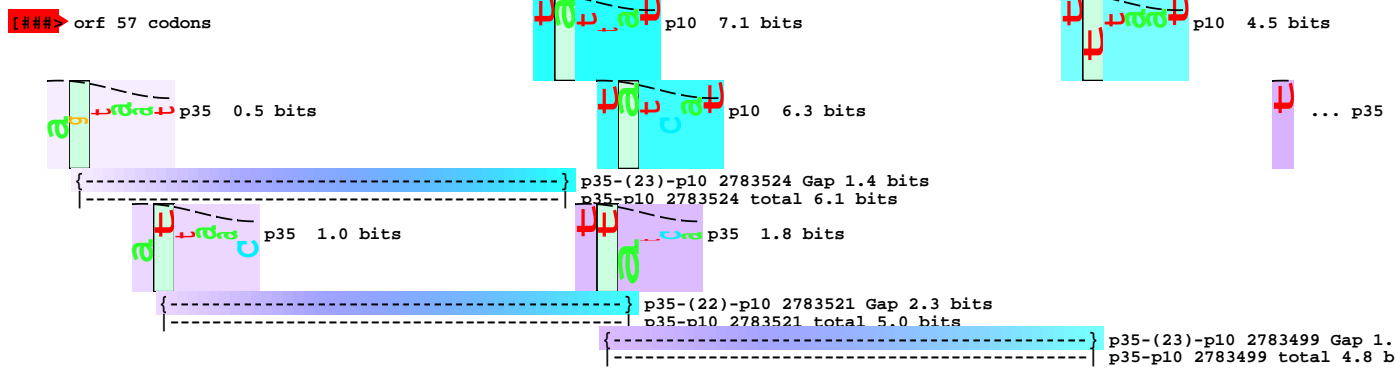
*2783570 * *2783560 * *2783550 * *2783540 * *2783530 * *2783520 * *2783510 * *2783500 * *2783490

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

- lys - leu - leu - thr - cys - gly - ile - lys -

- asn - cys - leu - his - val - glu - leu - ser - asn -

- ile - ala - tyr - met - trp -

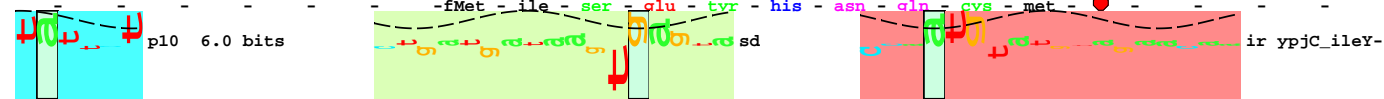


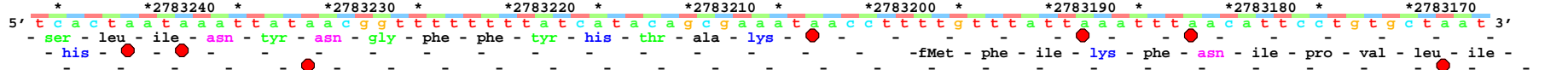
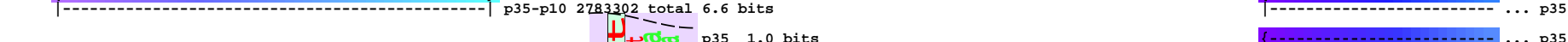
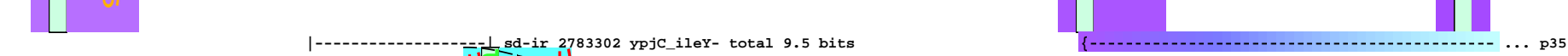
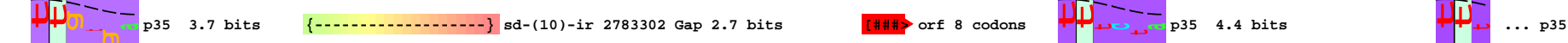
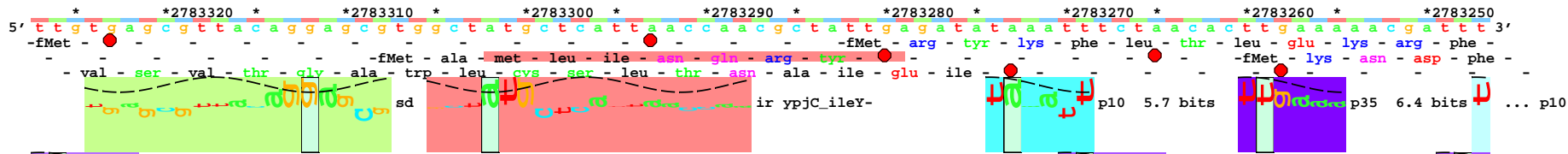
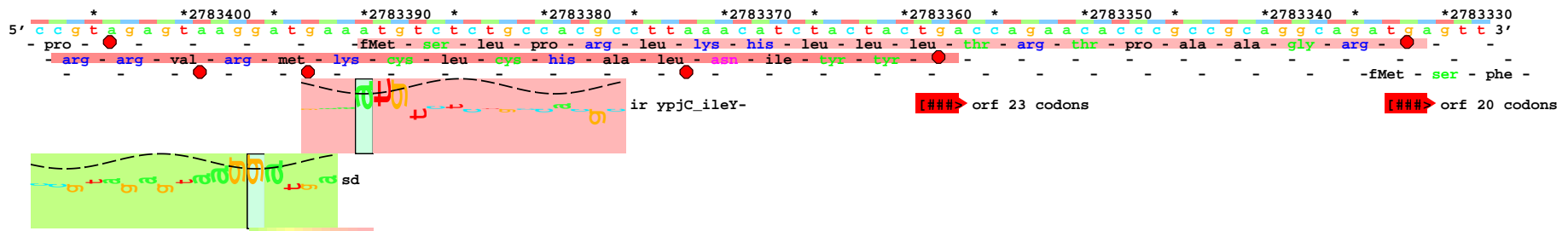
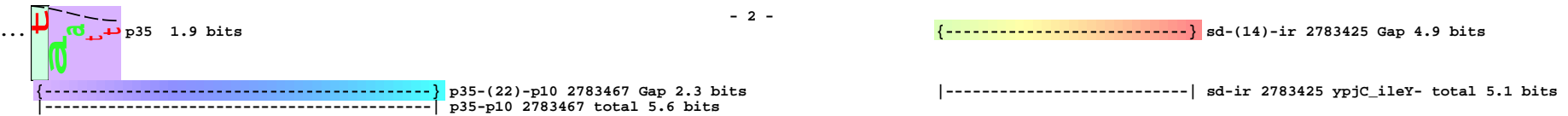
*2783480 * *2783470 * *2783460 * *2783450 * *2783440 * *2783430 * *2783420 * *2783410

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

- fMet - ser - thr - thr - thr - asn - val - cys - arg - thr - met -

- fMet - tyr - val - glu - gln - cys - met -





... -----| p35-p10 2783238 total 8.9 bits p35 4.8 bits |-----| p35-p10 2783168 total 5.2 bits

... } p35-(23)-p10 2783236 Gap 1.4 bits p35-(23)-p10 2783225 Gap 1.4 bits ... p35-(24)-p10 2783165 Gap
... } p35-p10 2783225 total 4.5 bits ... p35-p10 2783165 total 4.8
... } p35-p10 2783236 total 8.3 bits
... } p35-(26)-p10 2783233 Gap 3.7 bits
... } p35-p10 2783233 total 6.8 bits

p10 5.7 bits |-----| p35-p10 2783203 total 6.0 bits

p10 3.3 bits {-----} p35-(23)-p10 2783198 Gap 1.4 bits

|-----| p35-p10 2783198 total 4.0 bits

* *2783160 * *2783150 * *2783140 * *2783130 * *2783120 * *2783110 * *2783100 * *2783090 *
5' t t a a t t a a a a g t t c c a t g c g t a g c a a g t g a a g c a g t t a a t g t c a g t a a t t g t c t c a a a t g a g c g t t t t t t a t a g t g a c a a 3'
-fMet - arg - ser - lys - fMet - lys - gln - leu - met - ser - val - ile - val - ser - asn - glu - arg - phe - phe - ile - val - thr - asn -

p10 4.4 bits sd ir ypjC_ileY- p10 5.9 bits

p10 4.5 bits {-----} sd-(12)-ir 2783127 Gap 4.0 bits p35 3.9 bits

|-----| sd-ir 2783127 ypjC_ileY- total 5.2 bits {-----} ... p35-(23)-p10 2783076 Gap

p35 5.6 bits |-----} p35-p10 2783076 total 8.1

... } p35-(24)-p10 2783165 Gap 2.4 bits p35-p10 2783094 total 9.2 bits
... | p35-p10 2783165 total 4.8 bits

* *2783080 * *2783070 * *2783060 * *2783050 * *2783040 * *2783030 * *2783020 *
5' a c a g t a a t a a c a t t a a a a a t a g c c a t g t a g a c a t t a a a t t g a g g a a t a g a c a a t g t t a g t t a g t a a a a g c a a 3'
-fMet - fMet - arg - asn - arg - gln - cys - fMet - leu - val - ser - lys - ser -
- ser - asn - asn - ile - lys - asn - ser - his - val - asp - ile - asn -

p10 5.6 bits [###> orf 28 codons [-----} ... NC_000913.ypjC

ir ypjC_ileY-

... } p35-(23)-p10 2783076 Gap 1.4 bits

sd

... -----| p35-p10 2783076 total 8.1 bits {-----} sd-(9)-ir 2783033 Gap 2.3 bits
sd-ir 2783033 ypjC_ileY- total 14.3 bits