

piece 1, NC_000913, yjjP_yjjQ+, config: linear, direction: +, begin: 4600852, end: 4601519

*4600860 *4600870 *4600880 *4600890 *4600900 *4600910 *4600920 *4600930

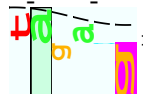
5' t g t t a c g g c t c g c t g t t g c t c a g t t t g c a t a a c t c g c c c t t t g t c a t a g a c g t g c t g c g t a t t g t t c a g a t a a t g a g a a t c 3'

- cys - tyr - gly - ser - leu - leu - leu - ser - leu - his - asn - ser - pro - phe - val - ile - asp - val - leu - arg - ile - val - gln - ile - met - arg - ile -

- val - thr - ala - arg - cys - cys - ser - val - cys - ile - thr - arg - pro - leu - ser - fMet - phe - arg -

- leu - arg - leu - ala - val - ala - gln - phe - ala -

... -----] NC_000913.yjjP



{-----} p35-(22)-p10 4600899 Gap 2.3 bits
p35-p10 4600899 total 4.2 bits

... p35-(26)-p10 4600940 Gap

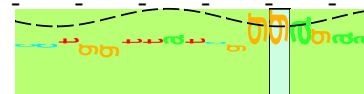
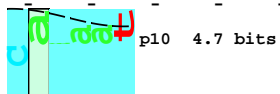
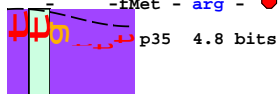
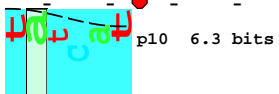
... p35-p10 4600940 total 5.9

*4600940 *4600950 *4600960 *4600970 *4600980 *4600990 *4601000 *4601010

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

- his - leu - tyr - his - glu - ala - arg - leu - phe - cys - gly - arg - leu - arg - ser - lys - leu - arg -

- fMet - lys - his - gly - cys - phe - ala - val - gly - fMet - arg -



... {-----} p35-(26)-p10 4600940 Gap 3.7 bits

... {-----} p10 1.9 bits

{-----} ... sd-(10)-ir 4601017 Gap

{-----} p35-(22)-p10 4600977 Gap 2.3 bits
p35-p10 4600977 total 7.2 bits

|-----} ... sd-ir 4601017 yjjP_yjjQ+

... -----| p35-p10 4600940 total 5.9 bits

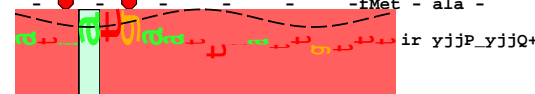
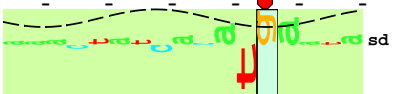
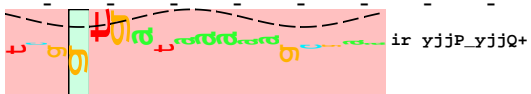
{-----} p35-(23)-p10 4600978 Gap 1.4 bits
p35-p10 4600978 total 5.3 bits

*4601020 *4601030 *4601040 *4601050 *4601060 *4601070 *4601080 *4601090

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

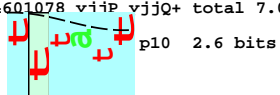
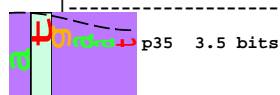
- fMet - ile - lys - ser - glu - leu - ser - leu - ala - ala - asn - lys - leu - ser - his - glu - tyr - tyr - his - his - asn - glu - phe - ile - val - trp -

- fMet - asn - ile - ile - ile - ile - met - phe - leu - leu - phe - gly - fMet - ala -

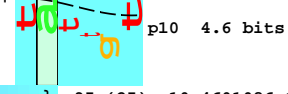


... {-----} sd-(10)-ir 4601017 Gap 2.7 bits
sd-ir 4601017 yjjP_yjjQ+ total 7.9 bits

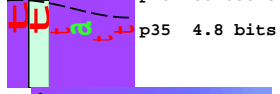
{-----} sd-(16)-ir 4601078 Gap 6.4 bits
sd-ir 4601078 yjjP_yjjQ+ total 7.0 bits



{-----} p35-(23)-p10 4601084 Gap 1.4 bits
p35-p10 4601084 total 4.6 bits



{-----} p35-(25)-p10 4601086 Gap 4.0 bits
p35-p10 4601086 total 4.0 bits



... p35-(23)-p10 4601107 Gap

... p35-p10 4601107 total 5.1



{-----} ... p35-(22)-p10 4601110 Gap
p35-p10 4601110 total 6.8

*4601100 * *4601110 * *4601120 * *4601130 * *4601140 * *4601150 * *4601160 * *4601170 *

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

- pro - leu - arg - ile - arg - ile - ile - asp - asn - arg - ala - arg - phe - leu - met - leu - thr - ser - - - - -fMet - asn - lys -

- leu - tyr - glu - ser - gly - - - - -

- phe - thr - asn - gln - asp - asn - arg - - - - -

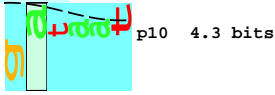
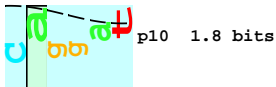
[###] orf 12 codons

[###] orf 45 codons



... p35-(21)-p10 4601189 Gap

... p35-p10 4601189 total 4.4



... p35-(23)-p10 4601107 Gap 1.4 bits

... p35-p10 4601107 total 5.1 bits

... p35-(22)-p10 4601110 Gap 2.3 bits

... p35-p10 4601110 total 6.8 bits

*4601180 * *4601190 * *4601200 * *4601210 * *4601220 * *4601230 * *4601240 * *4601250 *

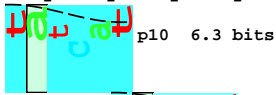
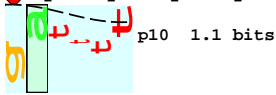
5' t a t t g g t t g t g t g a t t t t g c a t t c t g c g g g a a g g g a t a t c a t t t a a t t a t a a a t t a a a t g a a t g t g a t t t c t g t t t t c a t 3'

- tyr - trp - leu - cys - asp - phe - ala - phe - cys - gly - lys - gly - tyr - his - leu - ile - ile - asn - -fMet - asn - val - ile - ser - val - phe - his -

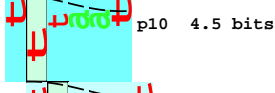
-fMet - val - val - - - - -

-fMet - ile - leu - his - ser - ala - gly - arg - asp - ile - ile - - - - -

-fMet - val - val - - - - -

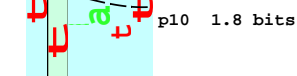


... p35-(21)-p10 4601189 Gap 3.3 bits

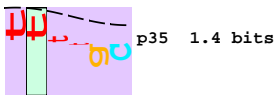


... p35-(23)-p10 4601274 Gap

... p35-p10 4601189 total 4.4 bits



... p35-p10 4601274 total 4.8

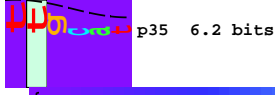


... p35-(22)-p10 4601213 Gap 2.3 bits

... p35-p10 4601213 total 5.4 bits

... p35-(24)-p10 4601276 Gap

... p35-p10 4601276 total 6.7



... p35-(25)-p10 4601218 Gap 4.0 bits

... p35-p10 4601218 total 6.7 bits

... p35-(26)-p10 4601219 Gap 3.7 bits

... p35-p10 4601219 total 4.3 bits

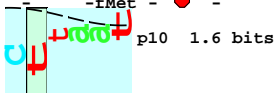
*4601260 * *4601270 * *4601280 * *4601290 * *4601300 * *4601310 * *4601320 * *4601330 *

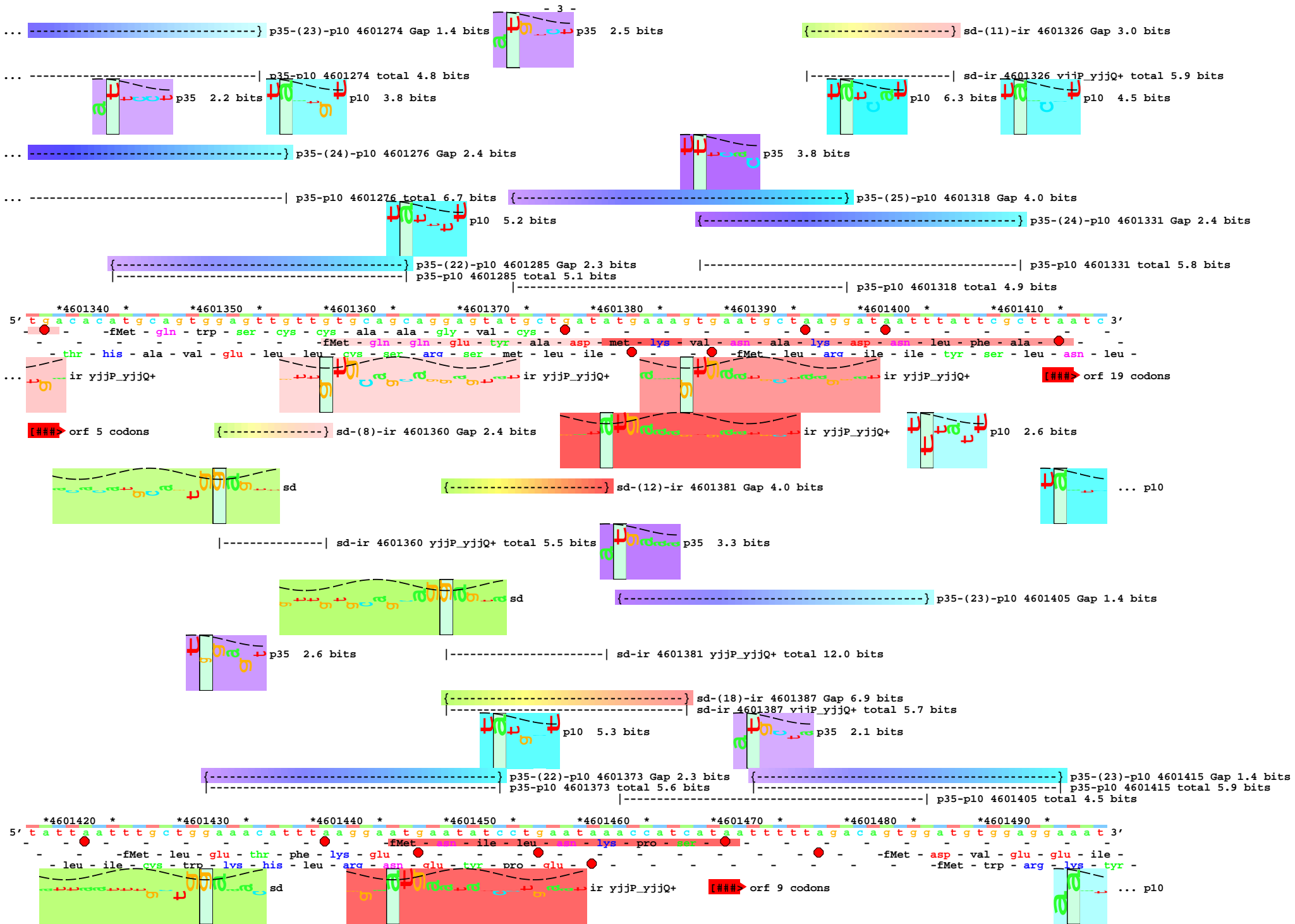
5' t a a g t a t t c c t a a c a a c t t a a t g t a g a t a t t t t a a a t g t c t c c a g g c t a t t t c a c c a g g t t a t c a t t t g a t g c t a a c c t t c 3'

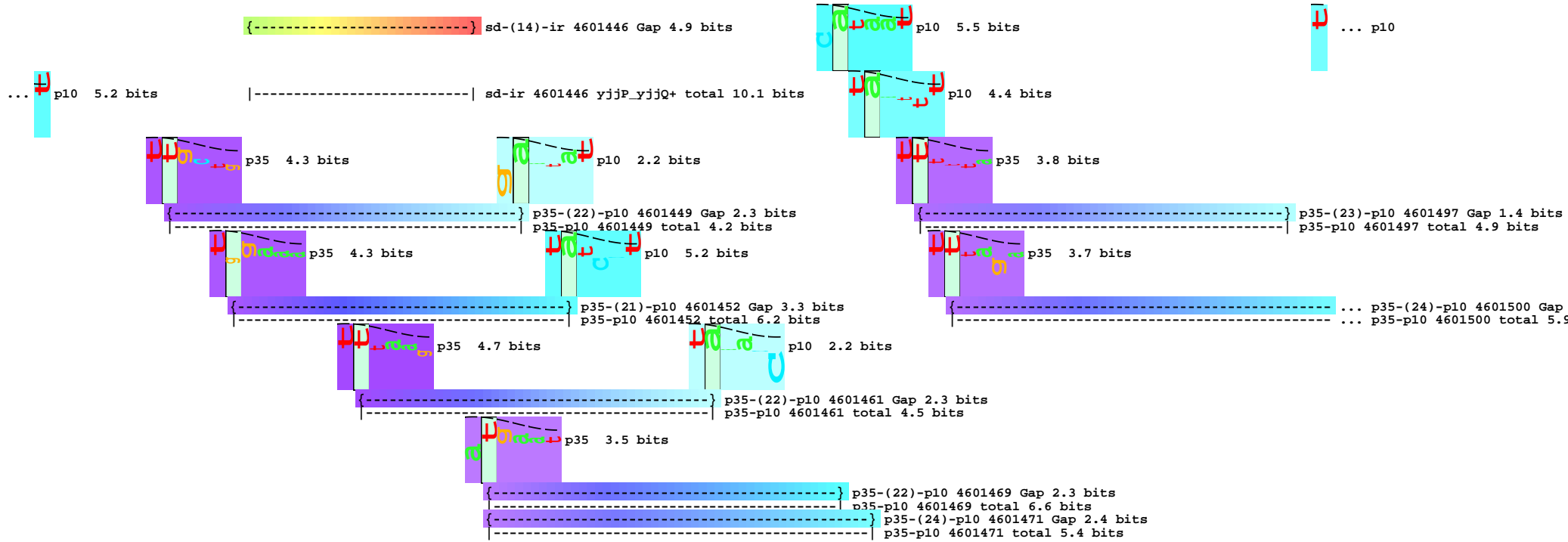
-fMet - - - - -

-fMet - ser - pro - gly - tyr - phe - thr - arg - leu - ser - phe - asp - ala - asn - leu - leu -

-fMet - - - - -







*4601500 * *4601510 *

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

-fMet - leu - pro - gly - cys - cys -

- cys - cys - gln - asp - ala - ala -

- val - ala - arg - met - leu - gln -

... p10 2.5 bits

... p10 4.6 bits

[----- ... NC_000913.yjjQ

... } p35-(24)-p10 4601500 Gap 2.4 bits
... | p35-p10 4601500 total 5.9 bits