

piece 1, NC\_000913, yjbM\_dusA+, config: linear, direction: +, begin: 4259300, end: 4259756

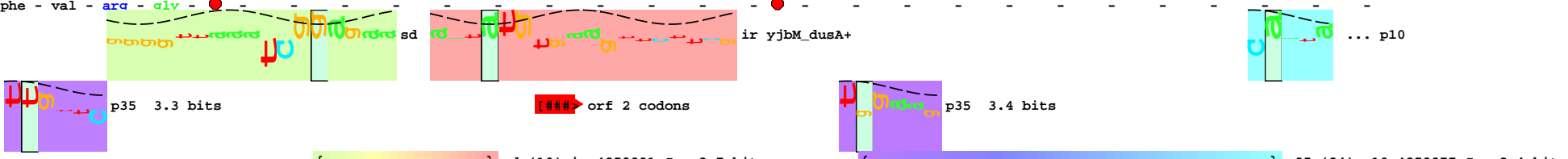
\*4259300 \*      \*4259310 \*      \*4259320 \*      \*4259330 \*      \*4259340 \*      \*4259350 \*      \*4259360 \*      \*4259370 \*      \*4259380 \*

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

- asp - leu - phe - gly - val - lys - ser - glu - lys - fMet - lys - phe - phe - asp - ser - met - glu - gly - ile - ile -

- ile - cys - ser - gly - leu - asn - arg - arg - asn - asn - met -

- phe - val - arg - gly -



{-----} sd-(10)-ir 4259331 Gap 2.7 bits  
 {-----} sd-ir 4259331 yjbM\_dusA+ total 6.0 bits

{-----} p35-(24)-p10 4259377 Gap 2.4 bits  
 {-----} p35-p10 4259377 total 4.4 bits

{-----} p35-(22)-p10 4259326 Gap 2.3 bits  
 {-----} p35-p10 4259326 total 5.5 bits

p10 6.3 bits

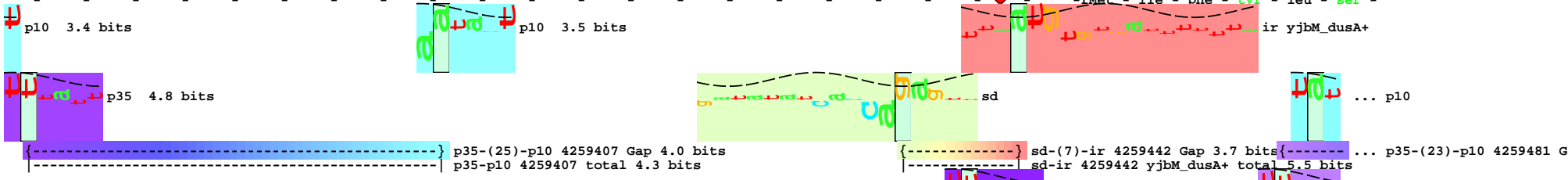
{-----} p35-(24)-p10 4259328 Gap 2.4 bits  
 {-----} p35-p10 4259328 total 7.1 bits

\*      \*4259390 \*      \*4259400 \*      \*4259410 \*      \*4259420 \*      \*4259430 \*      \*4259440 \*      \*4259450 \*      \*4259460 \*

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

- fMet - gly - ser - phe - phe - ser - ile - asn - thr - ile - ser - arg - glu - ile - tyr - his - gln - ser - leu - met - cys - asp - phe - leu - phe - ile -

- fMet - ile - phe - tyr - leu - ser -



{-----} p35-(25)-p10 4259407 Gap 4.0 bits  
 {-----} p35-p10 4259407 total 4.3 bits

{-----} sd-(7)-ir 4259442 Gap 3.7 bits  
 {-----} sd-ir 4259442 yjbM\_dusA+ total 5.5 bits

{-----} p35-(23)-p10 4259481 Gap

p35 5.7 bits

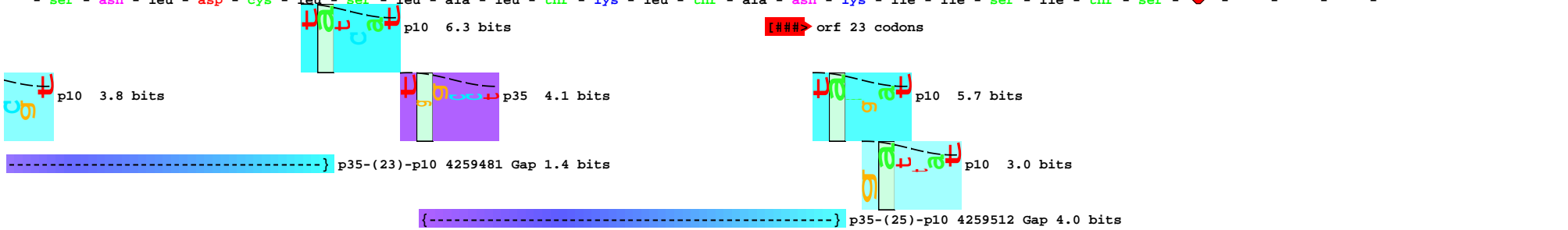
{-----} p35-(21)-p10 4259460 Gap 3.3 bits  
 {-----} p35-p10 4259460 total 6.2 bits  
 {-----} p35-p10 4259481 total 8.2

\*      \*4259470 \*      \*4259480 \*      \*4259490 \*      \*4259500 \*      \*4259510 \*      \*4259520 \*      \*4259530 \*      \*4259540 \*

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

- val - glu - pro - gly - leu - phe - ile - ile - gly - leu - asn - lys - val - asn - gly - fMet - arg - ala - ser -

- ser - asn - leu - asp - cys - leu - ser - leu - ala - leu - thr - lys - leu - thr - ala - asn - lys - ile - ile - ser - ile - thr - ser -



{-----} p35-(23)-p10 4259481 Gap 1.4 bits

{-----} p35-(25)-p10 4259512 Gap 4.0 bits

p10 3.0 bits

... p35 3.3 bits

p35-p10 4259512 total 5.7 bits



... p35-p10 4259481 total 8.2 bits

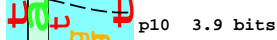
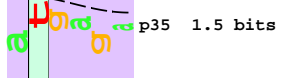
p35-(23)-p10 4259515 total 4.2 bits

5' <sup>\*</sup>atg cct tta gagg aatct caatttt tcttt tgg caa tgg aac aggc gctt cctgt tttgt tttat ggt atag tacc ccgc tatt gagg c 3'

-fMet - pro - - - - -fMet - gln - - - - -fMet - leu - trp - tyr - ser - thr - pro - leu - leu - ser -

- cys - leu - glu - arg - ile - ser - ile - phe - phe - cys - asn - glu - thr - gly - ala - ser - cys - cys - tyr - gly - ile - val - pro - arg - tyr - - -

- -fMet - arg - gly - ser - gln - phe - ser - phe - ala - met - arg - gln - ala - leu - pro - val - val - met - val - - -



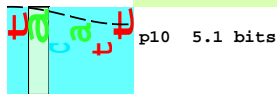
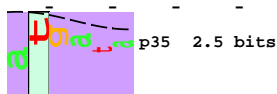
p35-(23)-p10 4259599 Gap 1.4 bits

p35-p10 4259599 total 4.0 bits

5' <sup>\*</sup>ctc cta gaa tag tga tgc tga aata aac caata gata tata tgc gata aaaa taat cct cta c attt g aaaa atgc acc ggt aatt 3'

- leu - leu - asn - ser - asp - ala - glu - - - -fMet - ile - tyr - arg - - - -fMet - lvs - met - his - gly - asn - ser -

- -fMet - met - leu - asn - asn - ile - thr - pro - - - - -



... sd-(11)-ir 4259710 Gap

p35-p10 4259682 total 5.1 bits

p35-(24)-p10 4259682 Gap 2.4 bits

5' <sup>\*</sup>ctg a aatg caaaa aat caacc caaac caggc gcaatg cctg aaaa aactg acgt 3'

- glu - met - lvs - lvs - ile - asn - glu - thr - ser - ala - met - pro - glu - lys - thr - asp -



sd-(11)-ir 4259710 Gap 3.0 bits

sd-ir 4259710 yjbM\_dusA+ total 10.4 bits