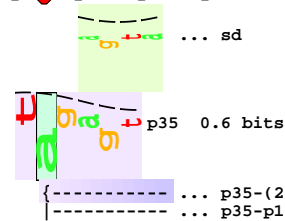


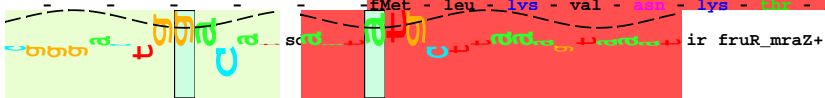
piece 1, NC_000913, fruR_mraZ+, config: linear, direction: +, begin: 89003, end: 89653

* * * * *
 5' t a t c g c c g c g g c g t g c t c a g c c g t a g c t a a g c c g c g a a c a a a a t a c g c g c c a g g t g a a t t t c c c t c t g g c g c g t a g a g t a 3'
 - tyr - arg - arg - gly - val - leu - ser - arg - ser - fMet - asn - phe - pro - leu - ala - arg - arg - val -
 - ile - ala - ala - ala - cys - ser - ala - val - ala - lys - pro - arg - thr - lys - ile - arg - ala - arg -
 - ser - pro - arg - arg - ala - gln - pro -

... sd

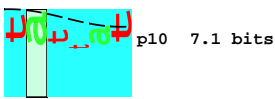


* * * * *
 5' c g g g a c t g g a c a t c a a t a t g c t t a a a g t a a a t a a g a c t a t t c c t g a c t a t t t g a t a a a t g c t t t t a a a c c c g c c c g t t a 3'
 - arg - asp - trp - thr - ser - ile - cys - leu - lys - fMet - ile - asn - ala - phe - lys - pro - ala - arg -
 - fMet - leu - lys - val - asn - lys - thr - ile - pro - asp - tyr - tyr - fMet - leu - leu - asn - pro - pro - val - asn -

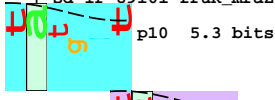


ir fruR_mraZ+ [###] orf 13 codons

sd-(9)-ir 89101 Gap 2.3 bits

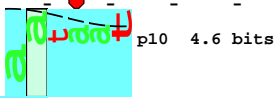
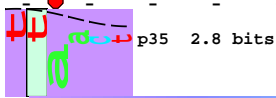


p35-(23)-p10 89101 Gap 1.4 bits
 p35-p10 89101 total 4.5 bits
 sd-ir 89101 fruR_mraZ+ total 9.7 bits



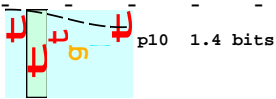
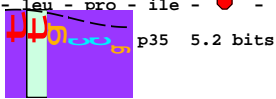
p35-(26)-p10 89132 Gap 3.7 bits
 p35-p10 89132 total 5.1 bits

* * * * *
 5' a t t a a c t c a c c a g c t g a a a t t c a c a a t a a t t a a g t g a t a t c g a c a g c g c g t t t t t g c a t t a t t t t g t t a c a t g c g g c g a t g 3'
 - fMet - ile - ser - thr - ala - arg - phe - cys - ile - ile - leu - leu - his - ala - ala - met -
 - fMet - his - tyr - phe - val - thr - cys - gly - asp - glu -



p35-(23)-p10 89190 Gap 1.4 bits
 p35-p10 89190 total 5.9 bits

* * * * *
 5' a a t t g c c g a t t t a a c a a a c a c t t t t t c t t t t t g c g c a a a c c g c g t g g c a t c a a g c g c c a c a c a g a c g t a a c a a g g a c t 3'
 - asn - cys - arg - phe - asn - lys - his - phe - ser - leu - leu - leu - arg - lys - pro - ala - gly - ile - lys - arg - his - thr - asp - val - thr - arg - thr -
 - leu - pro - ile -

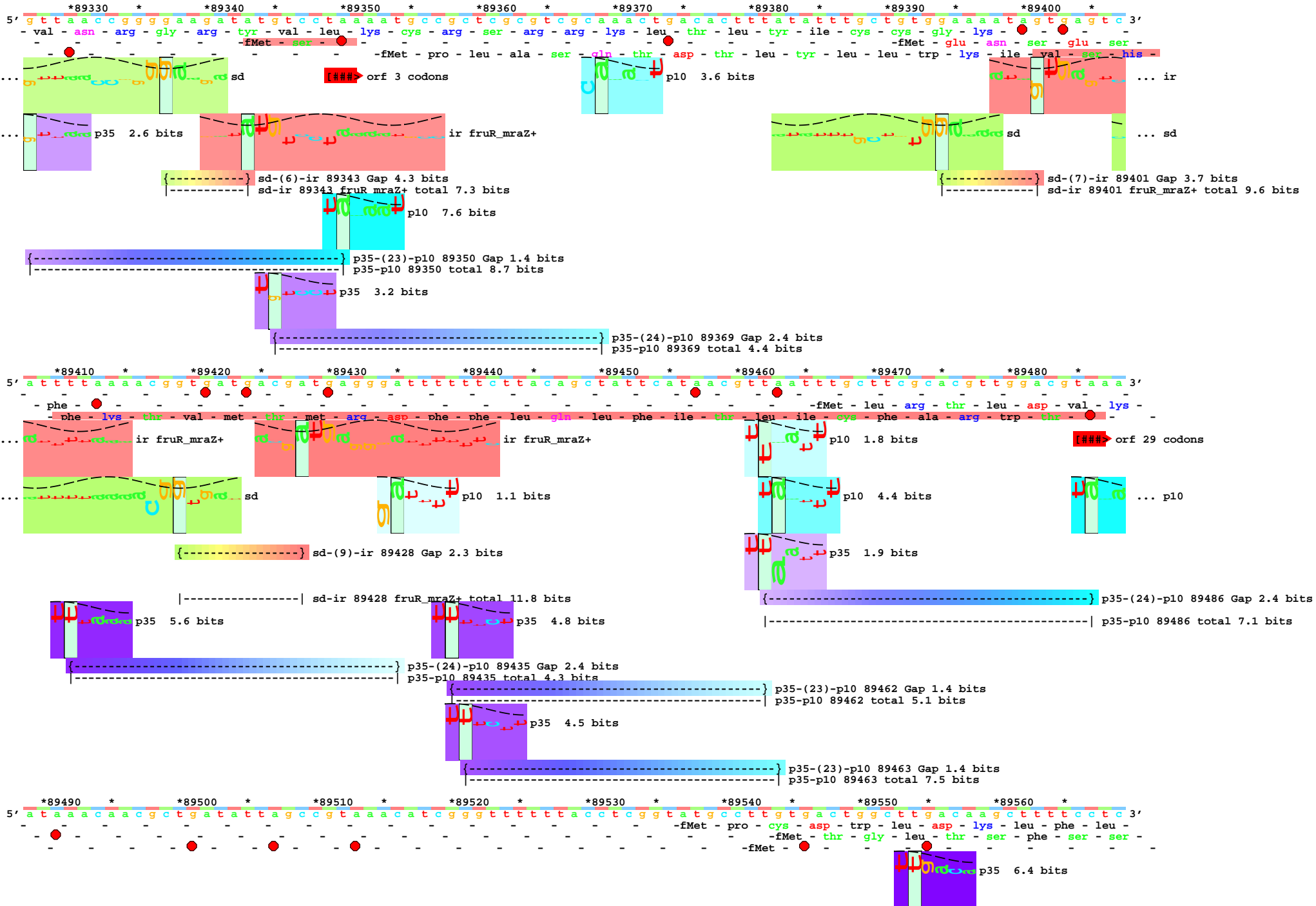


... sd

p35-(24)-p10 89273 Gap 2.4 bits

... p35

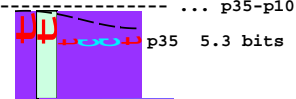
p35-p10 89273 total 4.2 bits



... p10 7.6 bits

{-----} ... p35-(24)-p10 89578 Gap

|-----} ... p35-p10 89578 total 10.5



p35 5.3 bits

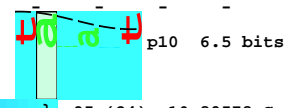
{-----} ... p35-(23)-p10 89587 Gap
-----} ... p35-p10 89587 total 4.4

*89570 * *89580 * *89590 * *89600 * *89610 * *89620 * *89630 * *89640 * *89650

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

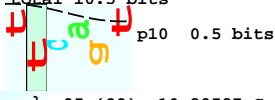
- ser - ser - val - asn - ser - phe - gln - trp - glu - ile - val - gly - gln - ser - gly - asn - lys - gly - glu - ala - gly - met - phe - arg - gly - ala - thr -

- ala - pro - - - -fMet - gly - asn - cys - gly - ala - lys - trp - glu - - -fMet - arg - leu - ala - cys - ser - gly - glu - gln - arg -



p10 6.5 bits

... } p35-(24)-p10 89578 Gap 2.4 bits
... } p35-p10 89578 total 10.5 bits



p10 0.5 bits

... } p35-(23)-p10 89587 Gap 1.4 bits
... } p35-p10 89587 total 4.4 bits

5' g t t 3'

... NC_000913.mraZ

[-----} ... NC_000913.mraZ