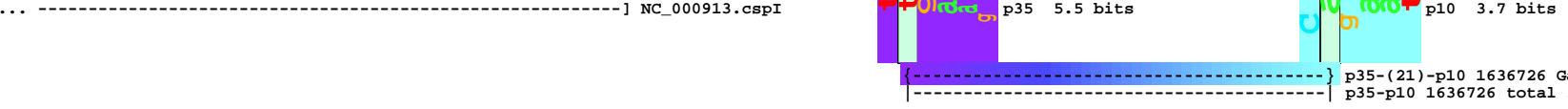
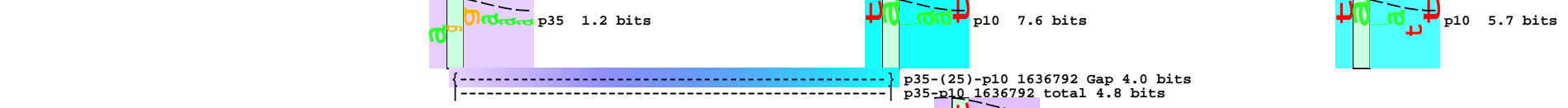


piece 1, NC_000913, cspI_ydfP+, config: linear, direction: +, begin: 1636662, end: 1637073

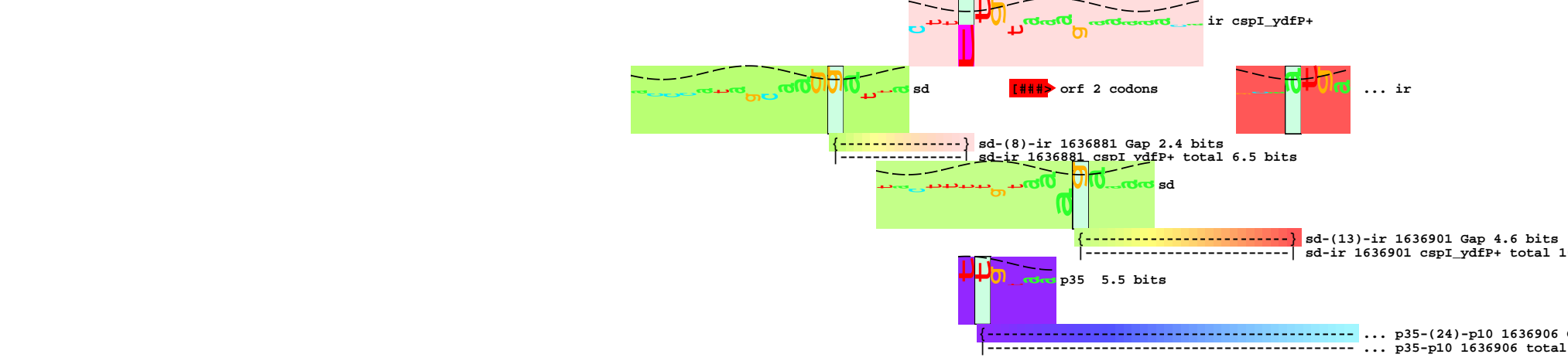
5' ^{*}ttt^{*}ca^{*}ct^{*}aa^{*}cc^{*}ag^{*}tc^{*}att^{*}tt^{*}gt^{*}tga^{*}ac^{*}ata^{*}att^{*}att^{*}ac^{*}ct^{*}tt^{*}tga^{*}ag^{*}aa^{*}att^{*}ag^{*}cc^{*}tt^{*}gg^{*}gc^{*}aga^{*}aat^{*}gg^{*}tc^{*}cg^{*}aaaa^{*}aa^{*}3'
 - phe - his - lys - pro - val - ile - leu - leu - asp - ile - ile - ile - thr - phe - fMet - lys - lys - leu - ala - leu - gly - gln - asn - gly - pro - lys - lys -
 - ser - leu - asn - gln - ser - phe - cys - - - - - fMet - gly - arg - met - val - arg - lys - lys -



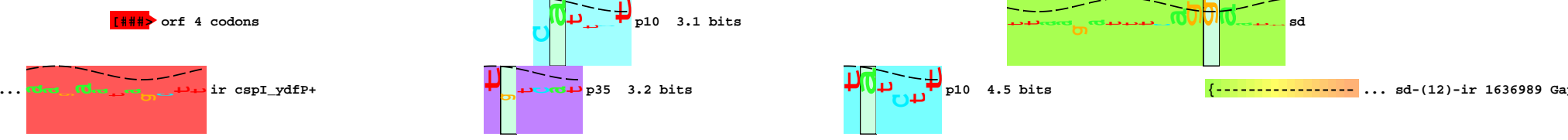
5' ^{*}aat^{*}at^{*}ca^{*}gag^{*}ag^{*}aaaa^{*}acc^{*}aa^{*}ca^{*}agg^{*}aa^{*}at^{*}ct^{*}ca^{*}ag^{*}ag^{*}gt^{*}aca^{*}ata^{*}ata^{*}aa^{*}att^{*}tata^{*}aca^{*}aat^{*}gact^{*}gct^{*}tcag^{*}ata^{*}aa^{*}att^{*}3'
 - asn - ile - arg - glu - lys - asn - gln - gln - gly - asn - leu - lys - arg - tyr - lys - - - - - fMet -
 - ile - ser - glu - arg - lys - thr - asn - lys - glu - ile - ser - arg - gly - thr - asn - asn - lys - ile - ile - thr - met - thr - ala - ser - asp - lys - phe -



5' ^{*}tgt^{*}aa^{*}ca^{*}aa^{*}acc^{*}aga^{*}aac^{*}acc^{*}att^{*}aac^{*}gc^{*}at^{*}gatt^{*}aac^{*}acc^{*}acc^{*}at^{*}ag^{*}ca^{*}agg^{*}att^{*}act^{*}tt^{*}tgt^{*}aa^{*}aga^{*}aaaa^{*}ac^{*}ac^{*}ag^{*}ca^{*}att^{*}ga^{*}3'
 - val - thr - asn - gln - asn - thr - ile - asn - ala - fMet - ile - asn - his - pro - - - - - fMet - lys -



5' ^{*}aga^{*}aat^{*}ag^{*}cct^{*}tt^{*}tatt^{*}att^{*}ta^{*}ata^{*}aaaa^{*}cg^{*}tg^{*}tcat^{*}tt^{*}ct^{*}gatt^{*}aa^{*}ga^{*}acc^{*}tt^{*}tt^{*}at^{*}acc^{*}ct^{*}ta^{*}ag^{*}att^{*}ttc^{*}agg^{*}aat^{*}ttt^{*}gg^{*}3'
 - glu - - - - - fMet - ser - phe - - - - - fMet - ala -



p10 2.8 bits {-----} p35-(22)-p10 1636956 Gap 2.3 bits |----- ... sd-ir 1636989 cspI_ydfP+

p35 4.8 bits |-----| p35-p10 1636956 total 5.3 bits

{-----} p35-(22)-p10 1636937 Gap 2.3 bits

p10 5.7 bits

|-----| p35-p10 1636937 total 5.6 bits

p35 1.6 bits

... --} p35-(24)-p10 1636906 Gap 2.4 bits
... --| p35-p10 1636906 total 5.9 bits

{-----} p35-(23)-p10 1636967 Gap 1.4 bits
p35-p10 1636967 total 5.8 bits

*1636990 * *1637000 * *1637010 * *1637020 * *1637030 * *1637040 * *1637050 * *1637060 *
5' c t c a t g g a a g a g t c c t t t t t a t t t a a a t t t t a c a t t c c g c g a t g t a a a t g t t c c g a t t t a a t a t t a c c c t a c a t t t g a t g c 3'
- fMet - glu - glu - ser - phe - leu - phe - lys - phe - tyr - ile - pro - arg - cys - lys - cys - ser - asp - leu - ile - leu - pro - tyr - ile -

- his - gly - arg - val - leu - phe - ile - - fMet - fMet - phe - arg - phe - asn - ile - thr - leu - his - leu - met - leu -
ir cspI_ydfP+ p10 5.1 bits p10 0.7 bits <----- ... NC_000913.ydfP

... -----} sd-(12)-ir 1636989 Gap 4.0 bits p35 5.6 bits p35 3.4 bits p10 4.5 bits [###] orf 25 codons

... -----| sd-ir 1636989 cspI_ydfP+ total 11.5 bits p35 1.2 bits p10 3.8 bits

p35 3.4 bits {-----} p35-(23)-p10 1637031 Gap 1.4 bits

{-----} p35-(26)-p10 1637017 Gap 3.7 bits p35 5.7 bits

|-----| p35-p10 1637017 total 4.8 bits p35-p10 1637031 total 4.8 bits ... p35-(26)-p10 1637069 Gap

{-----} p35-(23)-p10 1637043 Gap 1.4 bits
p35-p10 1637043 total 4.2 bits
p35-(22)-p10 1637051 Gap 2.3 bits
p35-p10 1637051 total 4.9 bits

... p35-p10 1637069 total 5.1

*1637070
5' t t t t t a t 3'
- phe -
... NC_000913.ydfP

p10 3.2 bits

... -----} p35-(26)-p10 1637069 Gap 3.7 bits

... ----| p35-p10 1637069 total 5.1 bits