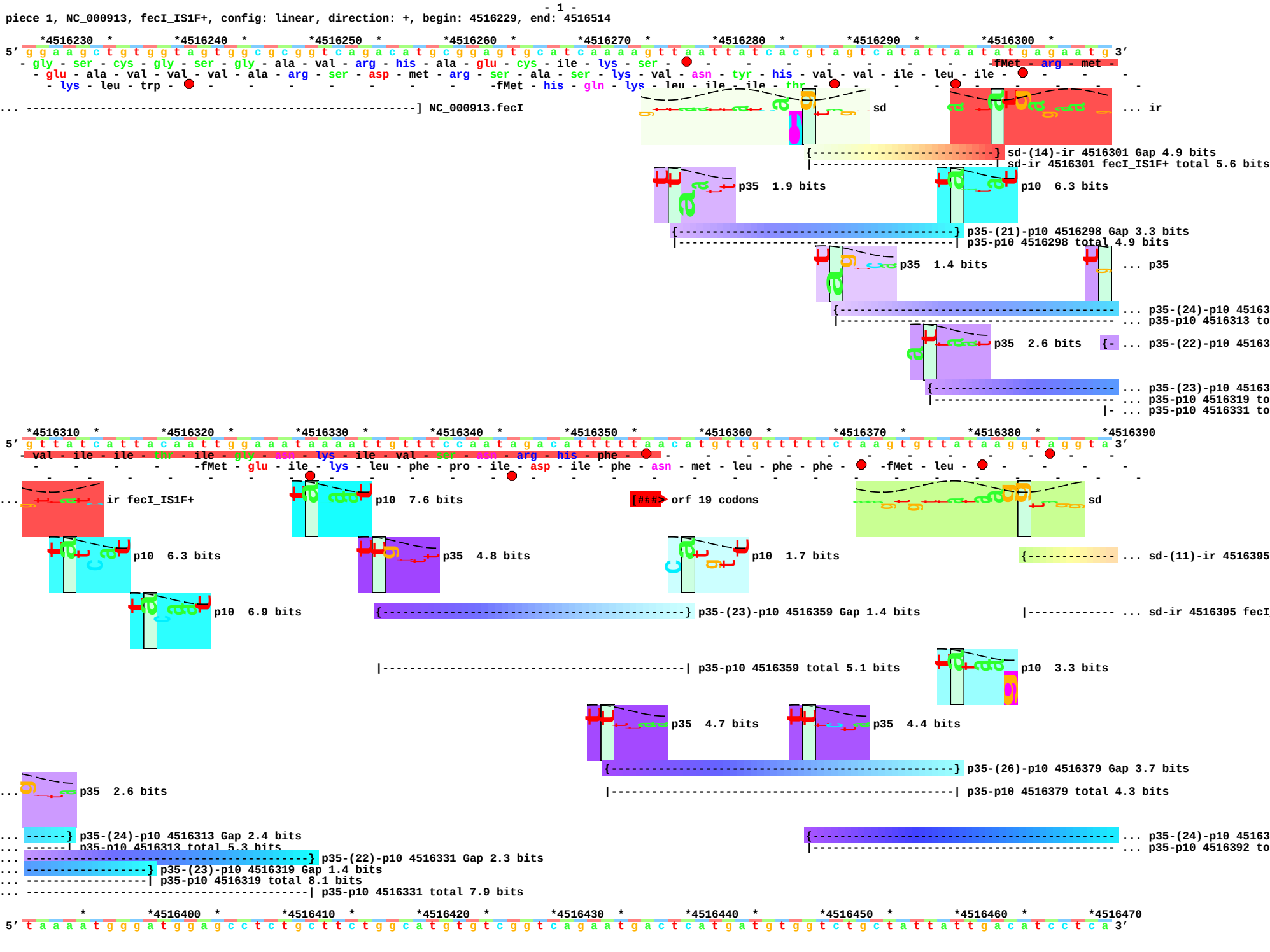
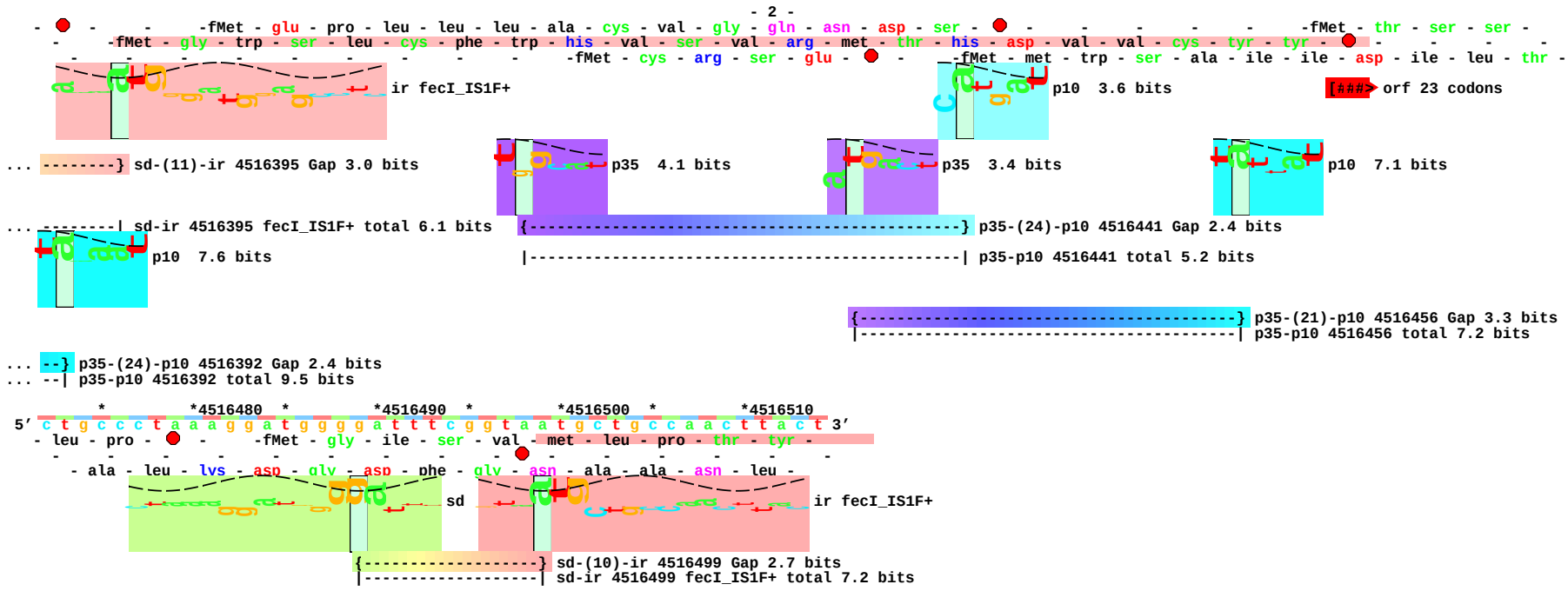

piece 1, NC_000913, fecI_IS1F+, config: linear, direction: +, begin: 4516229, end: 4516514
*4516230 *4516240 *4516250 *4516260 *4516270 *4516280 *4516290 *4516300 *
5′ g g a a g c t g t g g t a g t g g c g c g g t c a g a c a t g c g g a g t g c a t c a a a a g t t a a t t a t c a c g t a g t c a t t a a t a t g a g a a t g 3′
- gly - ser - cys - gly - ser - gly - ala - val - arg - his - ala - glu - cys - ile - lys - ser - fMet - arg - met -
- glu - ala - val - val - val - ala - arg - ser - asp - met - arg - ser - ala - ser - lys - val - asn - tyr - his - val - val - ile - leu - ile -
- lys - leu - trp - fMet - his - gln - lys - leu - ile - ile - thr -
... ----------] NC_000913.fecI
sd
... ir
{----------} sd-(14)-ir 4516301 Gap 4.9 bits
|----------| sd-ir 4516301 fecI_IS1F+ total 5.6 bits
p35 1.9 bits
p10 6.3 bits
{----------} p35-(21)-p10 4516298 Gap 3.3 bits
|----------| p35-p10 4516298 total 4.9 bits
p35 1.4 bits
... p35
{---------- ... p35-(24)-p10 45163
|---------- ... p35-p10 4516313 to
p35 2.6 bits
{- ... p35-(22)-p10 45163
{---------- ... p35-(23)-p10 45163
|---------- ... p35-p10 4516319 to
|- ... p35-p10 4516331 to
*4516310 *4516320 *4516330 *4516340 *4516350 *4516360 *4516370 *4516380 *4516390
5′ g t t a t c a t t a c a a t t g g a a a t a a a a t t g t t t c c a a t a g a c a t t t t t a a c a t g t t g t t t t t t c t a a g t g t t a t a a g g t a g g t a 3′
- val - ile - ile - thr - ile - gly - asn - lys - ile - val - ser - asn - arg - his - phe -
- fMet - glu - ile - lys - leu - phe - pro - ile - asp - ile - phe - asn - met - leu - phe - phe - fMet - leu -
... ir fecI_IS1F+
p10 7.6 bits
[###> orf 19 codons
sd
p10 6.3 bits
p35 4.8 bits
p10 1.7 bits
{---------- ... sd-(11)-ir 4516395
p10 6.9 bits
{----------} p35-(23)-p10 4516359 Gap 1.4 bits
|---------- ... sd-ir 4516395 fecI
|----------| p35-p10 4516359 total 5.1 bits
p10 3.3 bits
p35 4.7 bits
p35 4.4 bits
{----------} p35-(26)-p10 4516379 Gap 3.7 bits
... p35 2.6 bits
|----------| p35-p10 4516379 total 4.3 bits
... ------} p35-(24)-p10 4516313 Gap 2.4 bits
... ------| p35-p10 4516313 total 5.3 bits
{---------- ... p35-(24)-p10 45163
|---------- ... p35-p10 4516392 to
... ----------} p35-(22)-p10 4516331 Gap 2.3 bits
... ----------} p35-(23)-p10 4516319 Gap 1.4 bits
... ----------| p35-p10 4516319 total 8.1 bits
... ----------| p35-p10 4516331 total 7.9 bits
* *4516400 *4516410 *4516420 *4516430 *4516440 *4516450 *4516460 *4516470
5′ t a a a a t g g g a t g g a g c c t c t g c t t c t g g c a t g t g t c g g t c a g a a t g a c t c a t g a t g t g g t c t g c t a t t a t t g a c a t c c t c a 3′


-fMet - glu - pro - leu - leu - leu - ala - cys - val - gly - gln - asn - asp - ser -
-fMet - thr - ser - ser -
-fMet - gly - trp - ser - leu - cys - phe - trp - his - val - ser - val - arg - met - thr - his - asp - val - val - cys - tyr - tyr -
-fMet - cys - arg - ser - glu -
-fMet - met - trp - ser - ala - ile - ile - asp - ile - leu - thr -
ir fecI_IS1F+
p10 3.6 bits
[###> orf 23 codons
... --------} sd-(11)-ir 4516395 Gap 3.0 bits
p35 4.1 bits
p35 3.4 bits
p10 7.1 bits
... --------| sd-ir 4516395 fecI_IS1F+ total 6.1 bits
{----------} p35-(24)-p10 4516441 Gap 2.4 bits
p10 7.6 bits
|----------| p35-p10 4516441 total 5.2 bits
{----------} p35-(21)-p10 4516456 Gap 3.3 bits
|----------| p35-p10 4516456 total 7.2 bits
... --} p35-(24)-p10 4516392 Gap 2.4 bits
... --| p35-p10 4516392 total 9.5 bits
*4516480
*4516490
*4516500
*4516510
5’ c t g c c c t a a a g g a t g g g g a t t t c g g t a a t g c t g c c a a c t t a c t 3’
- leu - pro -
-fMet - gly - ile - ser - val - met - leu - pro - thr - tyr -
- ala - leu - lys - asp - gly - asp - phe - gly - asn - ala - ala - asn - leu -
sd
ir fecI_IS1F+
{----------} sd-(10)-ir 4516499 Gap 2.7 bits
|----------| sd-ir 4516499 fecI_IS1F+ total 7.2 bits