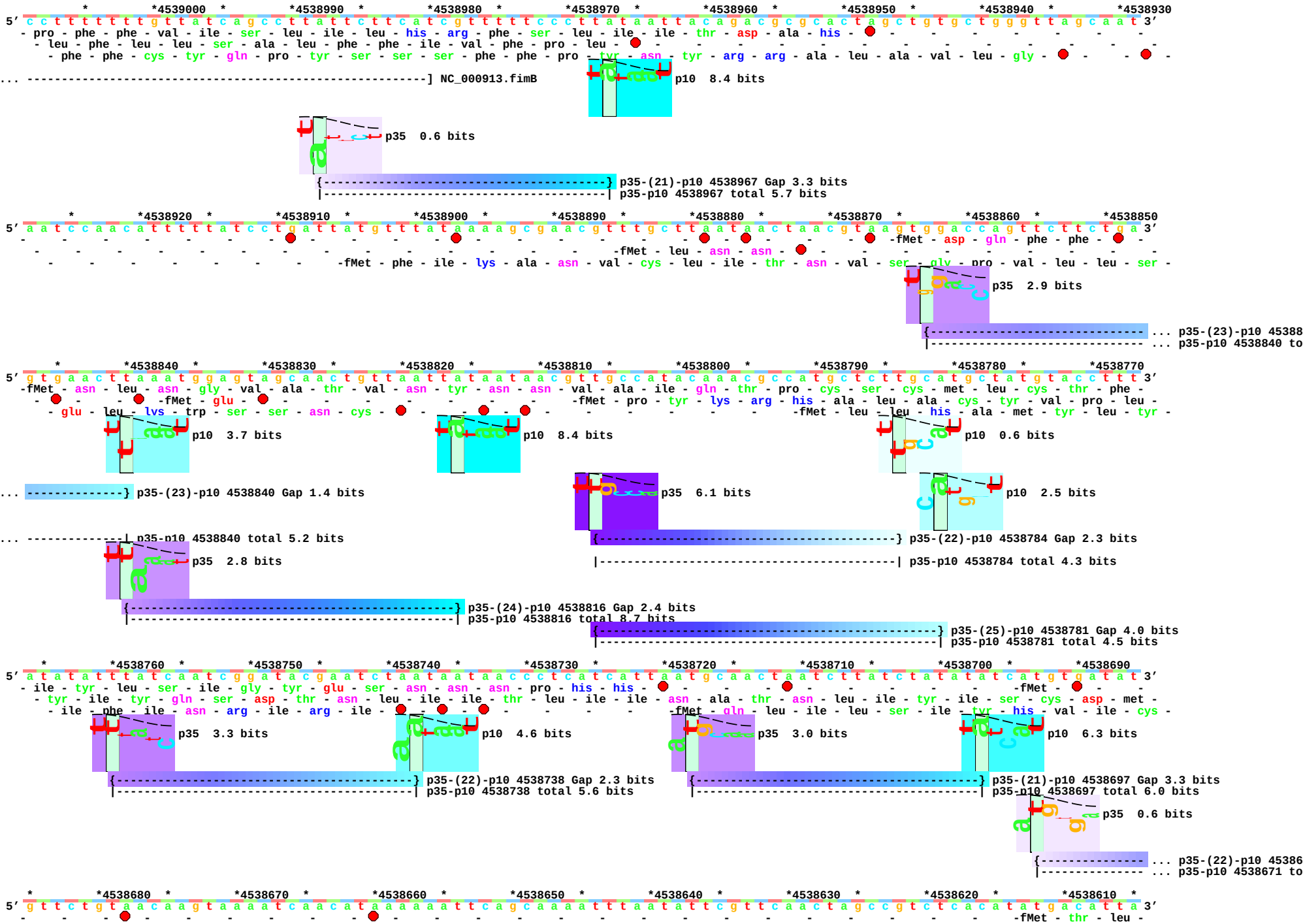
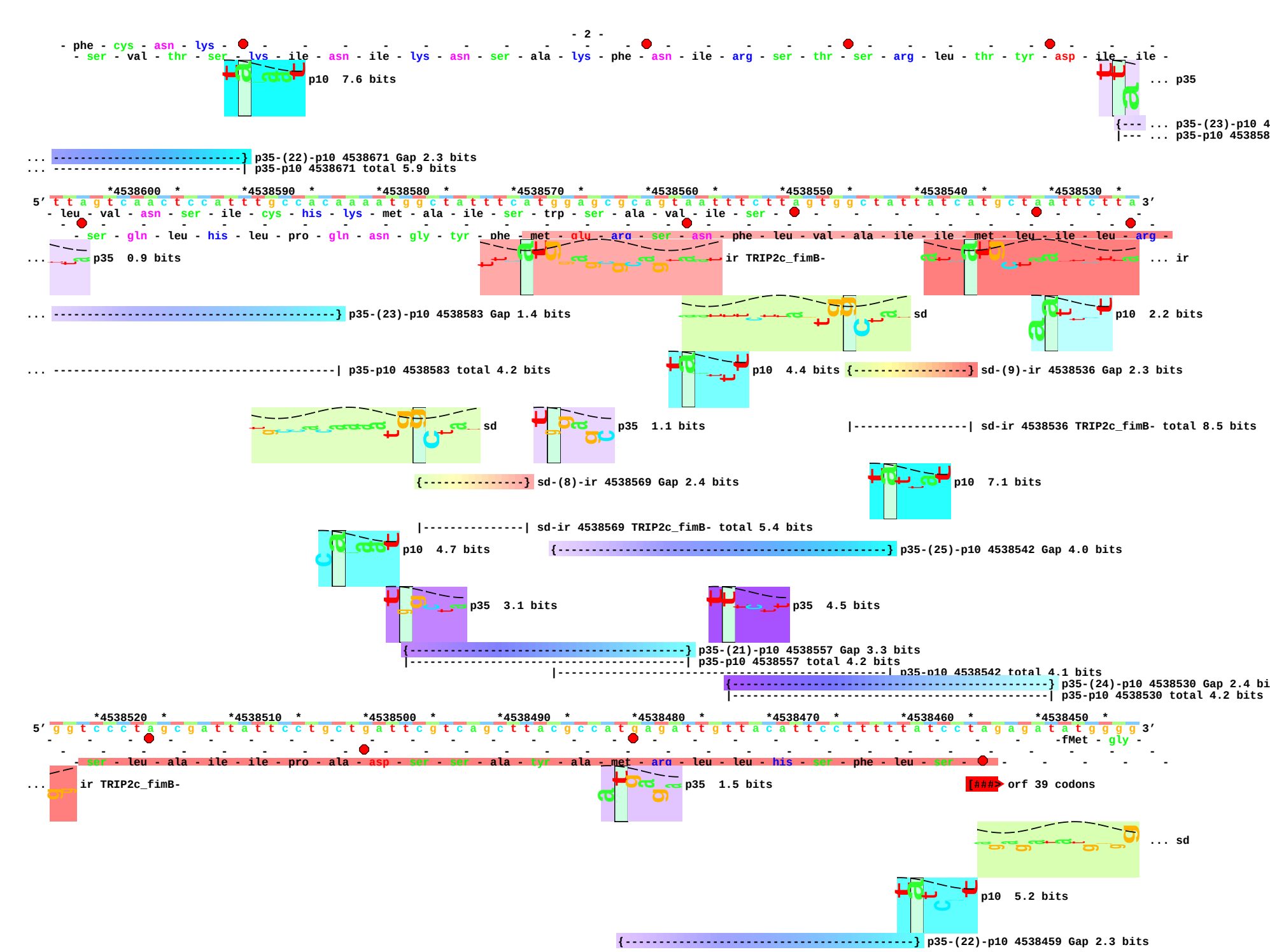
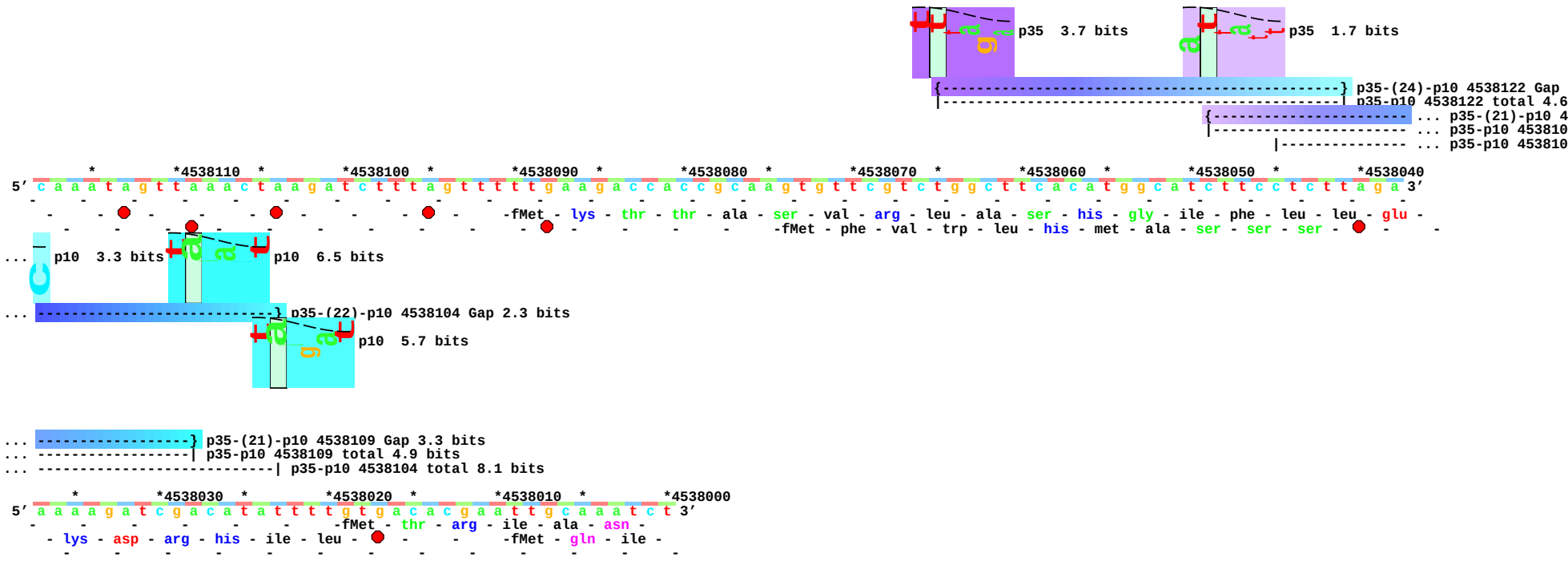
piece 1, NC_000913, TRIP2c_fimB-, config: linear, direction: -, begin: 4539009, end: 4538000




- phe - cys - asn - lys -
- ser - val - thr - ser - lys - ile - asn - ile - lys - asn - ser - ala - lys - phe - asn - ile - arg - ser - thr - ser - arg - leu - thr - tyr - asp - ile - ile -
p10 7.6 bits
... p35
{--- ... p35-(23)-p10 4
|--- ... p35-p10 453858
... } p35-(22)-p10 4538671 Gap 2.3 bits
... | p35-p10 4538671 total 5.9 bits
*4538600 *4538590 *4538580 *4538570 *4538560 *4538550 *4538540 *4538530 *
5′ t t a g t c a a c t c c a t t t g c c a c a a a a t g g c t a t t t c a t g g a g c g c a g t a a t t t c t t a g t g g c t a t t a t c a t g c t a a t t c t t a 3′
- leu - val - asn - ser - ile - cys - his - lys - met - ala - ile - ser - trp - ser - ala - val - ile - ser -
- ser - gln - leu - his - leu - pro - gln - asn - gly - tyr - phe - met - glu - arg - ser - asn - phe - leu - val - ala - ile - ile - met - leu - ile - leu - arg -
... p35 0.9 bits
ir TRIP2c_fimB-
... ir
... } p35-(23)-p10 4538583 Gap 1.4 bits
sd
p10 2.2 bits
... | p35-p10 4538583 total 4.2 bits
p10 4.4 bits {----------} sd-(9)-ir 4538536 Gap 2.3 bits
sd
p35 1.1 bits
|----------| sd-ir 4538536 TRIP2c_fimB- total 8.5 bits
{----------} sd-(8)-ir 4538569 Gap 2.4 bits
p10 7.1 bits
|----------| sd-ir 4538569 TRIP2c_fimB- total 5.4 bits
p10 4.7 bits
{----------} p35-(25)-p10 4538542 Gap 4.0 bits
p35 3.1 bits
p35 4.5 bits
{----------} p35-(21)-p10 4538557 Gap 3.3 bits
|----------| p35-p10 4538557 total 4.2 bits
|----------| p35-p10 4538542 total 4.1 bits
{----------} p35-(24)-p10 4538530 Gap 2.4 bi
|----------| p35-p10 4538530 total 4.2 bits
*4538520 *4538510 *4538500 *4538490 *4538480 *4538470 *4538460 *4538450 *
5′ g g t c c c t a g c g a t t a t t c c t g c t g a t t c g t c a g c t t a c g c c a t g a g a t t g t t a c a t t c c t t t t t a t c c t a g a g a t a t g g g g 3′
-fMet - gly -
- ser - leu - ala - ile - ile - pro - ala - asp - ser - ser - ala - tyr - ala - met - arg - leu - leu - his - ser - phe - leu - ser -
... ir TRIP2c_fimB-
p35 1.5 bits
[###> orf 39 codons
... sd
p10 5.2 bits
{----------} p35-(22)-p10 4538459 Gap 2.3 bits

|----------| p35-p10 4538459 total 4.4 bits
*4538440 *4538430 *4538420 *4538410 *4538400 *4538390 *4538380 *4538370 *
5′ g a a c g c a g g a g a t g a t t t t t t c a t c t a c a t t c g t t g g t a a a t a t a g c t t t g g t c a c t a c g a c t t a a a c c t t c c t c a a t c a c 3′
- glu - arg - arg - arg - -fMet - val - asn - ile - ala - leu - val - thr - thr - thr -
-fMet - ile - phe - ser - ser - thr - phe - val - gly - lys - tyr - ser - phe - gly - his - tyr - asp - leu - asn - leu - pro - gln - ser - gln -
ir TRIP2c_fimB-
p10 2.5 bits
... sd
p35 3.9 bits
p10 1.6 bits
{----------} sd-(11)-ir 4538431 Gap 3.0 bits
|----------| sd-ir 4538431 TRIP2c_fimB- total 5.9 bits
{----------} p35-(23)-p10 4538403 Gap 1.4 bits
|----------| p35-p10 4538403 total 5.0 bits
p35 5.3 bits
{----------} p35-(23)-p10 4538400 Gap 1.4 bits
|----------| p35-p10 4538400 total 5.5 bits
*4538360 *4538350 *4538340 *4538330 *4538320 *4538310 *4538300 *4538290 *
5′ a g c c a t t c g c c g g g c g a t a c g g c a a a c a a a c t a a g t g a a a c a t c a t c c t g a a a a c a c c a a c a t c a a c a a g c c t c t c c a g a t 3′
-fMet - lys - his - his - pro - glu - asn - thr - asn - ile - asn - lys - pro - leu - gln - ile -
- pro - phe - ala - gly - arg - tyr - gly - lys - gln - thr - lys -
[###> orf 36 codons
*4538280 *4538270 *4538260 *4538250 *4538240 *4538230 *4538220 *4538210 *4538200
5′ c g a c t t c a g a a g t g a c c a g t t a c a a g c c a c a a a c c a g g a a a c a t a t t t c a t g a t g a g a a t t a t g c t c a g c c t g a t g g c g g g 3′
- asp - phe - arg - ser - asp - gln - leu - gln - ala - thr - asn - gln - glu - thr - tyr - phe - met - met - arg - ile - met - leu - ser - leu - met - ala - gly -
-fMet - thr - ser - tyr - lys - pro - gln - thr - arg - lys - his - ile - ser -
sd
ir TRIP2c_fimB-
{----------} sd-(12)-ir 4538231 Gap 4.0 bits
|----------| sd-ir 4538231 TRIP2c_fimB- total 10.8 bits
ir TRIP2c_fimB-
{----------} sd-(15)-ir 4538228 Gap 6.0 bits
|----------| sd-ir 4538228 TRIP2c_fimB- total 10.0 bits
ir TRIP2c_fimB-
sd
{----------} sd-(7)-ir 4538219 Gap 3.7 bits
|----------| sd-ir 4538219 TRIP2c_fimB- total 8.3 bits
* *4538190 *4538180 *4538170 *4538160 *4538150 *4538140 *4538130 *4538120
5′ t a a a c a c t g a t t t t c a c c a a g c t c a c t g a g t t a g c t t g c a a a g c t c c c c t t g t t t a g a c t c t t a a t a a a t t a t t t a t a a a a 3′
- lys - his -
-fMet - phe - arg - leu - leu - ile - asn - tyr - leu -
-fMet - gln - ser - ser - pro - cys - leu - asp - ser -
[###> orf 14 codons
p35 1.2 bits
p10 5.5 bits
... p10
{----------} p35-(23)-p10 4538144 Gap 1.4 bits
{---------- ... p35-(22)-p10 4
|----------| p35-p10 4538144 total 5.2 bits
p35 4.7 bits


p35 3.7 bits
p35 1.7 bits
p35-(24)-p10 4538122 Gap
p35-p10 4538122 total 4.6
... p35-(21)-p10 4
... p35-p10 453810
... p35-p10 453810
*4538110 *4538100 *4538090 *4538080 *4538070 *4538060 *4538050 *4538040
5' c a a a t a g t t a a a c t a a g a t c t t t a g t t t t t t g a a g a c c a c c g c a a g t g t t c g t c t g g c t t c a c a t g g c a t c t t c c t c t t a g a 3'
-fMet - lys - thr - thr - ala - ser - val - arg - leu - ala - ser - his - gly - ile - phe - leu - leu - glu -
-fMet - phe - val - trp - leu - his - met - ala - ser - ser - ser -
... p10 3.3 bits
p10 6.5 bits
... p35-(22)-p10 4538104 Gap 2.3 bits
p10 5.7 bits
... p35-(21)-p10 4538109 Gap 3.3 bits
... p35-p10 4538109 total 4.9 bits
... p35-p10 4538104 total 8.1 bits
*4538030 *4538020 *4538010 *4538000
5' a a a a g a t c g a c a t a t t t t g t g a c a c g a a t t g c a a a t c t 3'
-fMet - thr - arg - ile - ala - asn -
- lys - asp - arg - his - ile - leu -
-fMet - gln - ile -