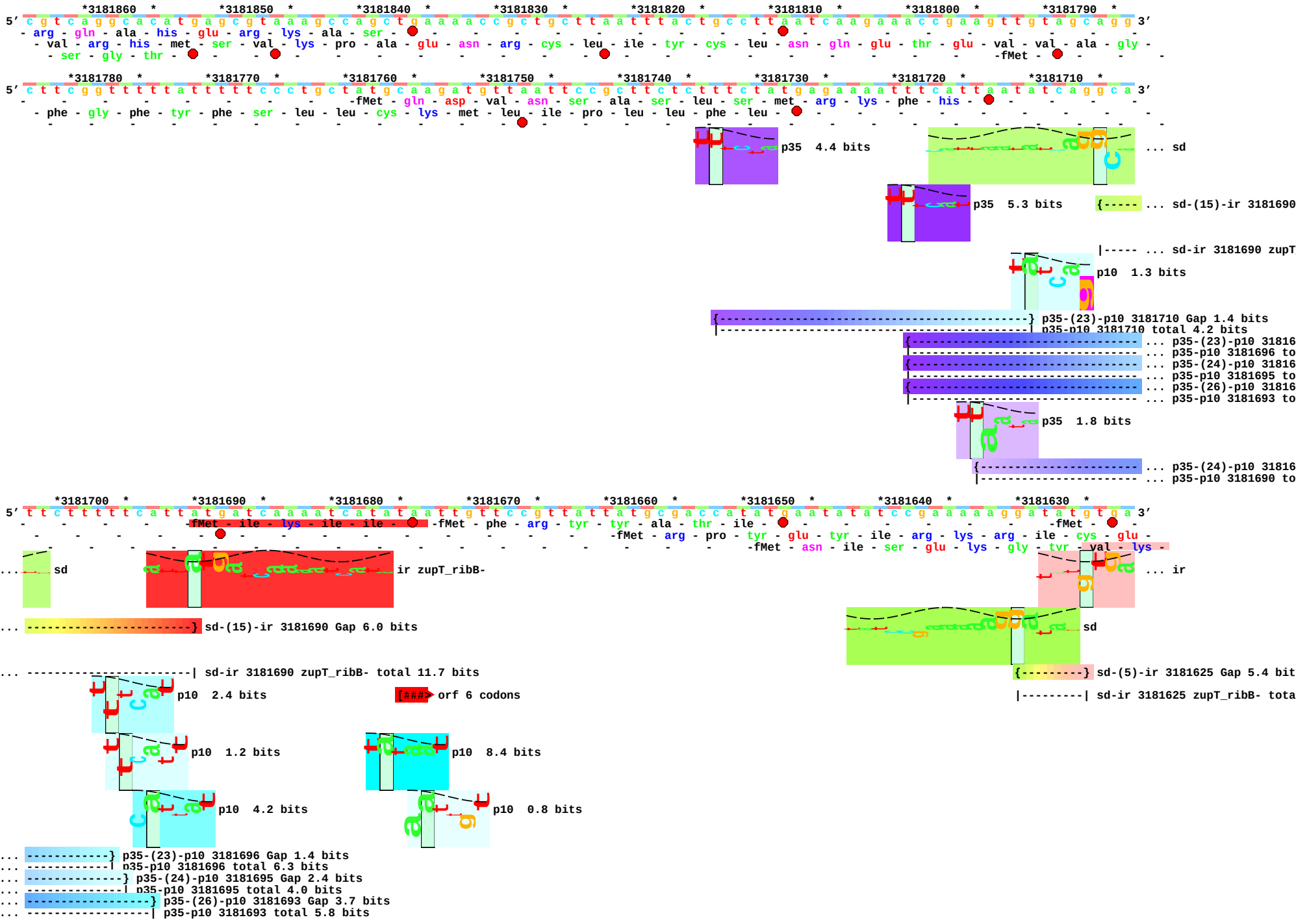
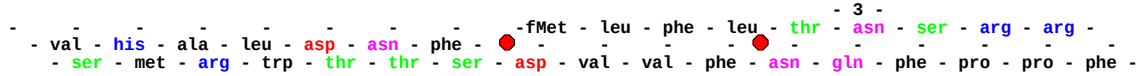
piece 1, NC_000913, zupT_ribB-, config: linear, direction: -, begin: 3181864, end: 3181326



p10 6.4 bits
p35-(24)-p10 3181690 Gap 2.4 bits
p35-p10 3181690 total 5.8 bits
p35 4.6 bits
p35-(21)-p10 3181676 Gap 3.3 bits
p35-p10 3181676 total 9.7 bits
p35 5.3 bits
p35-(23)-p10 3181673 Gap 1.4 bits
p35-p10 3181673 total 4.7 bits
*3181620 *3181610 *3181600 *3181590 *3181580 *3181570 *3181560 *3181550 *
5' a a t t t a t a c g c t a a a t g t t t a g t a t t g t t a a a t a t t a a g g g t a a a a g g a t g t t t a t c g c c t g g t a c t g g a t t g t a t t g a t t 3'
- - - - - - - - -fMet - leu - asn - ile - lys - gly - lys - arg - met - phe - ile - ala - trp - tyr - trp - ile - val - leu - ile -
- ile - tyr - thr - leu - asn - val - -fMet - tyr - -fMet -
- phe - ile - arg - -fMet - phe - ser - ile - val - lys - tyr -
ir zupT_ribB-
p10 3.7 bits
ir zupT_ribB-
p35 5.7 bits
[###> orf 6 codons
sd
{--------- ... p35-(23)-p10 3
p35 4.7 bits
{---------} sd-(8)-ir 3181573 Gap 2.4 bits
|--------- ... p35-p10 318152
|---------| sd-ir 3181573 zupT_ribB- total 7.2 bits
{--------- ... p35-(24)-p10 3
{---------} p35-(25)-p10 3181593 Gap 4.0 bits
|--------- ... p35-p10 318152
|---------| p35-p10 3181593 total 4.4 bits
*3181540 *3181530 *3181520 *3181510 *3181500 *3181490 *3181480 *3181470 *3181460
5' g c t c t g g t t g t g g t g g g t t a t t t c c t g c a t t t g a a a c g t t a t t g t c g g g c g t t t c g c c a g g a c a g a g a c g c a c t g c t t g a a 3'
- ala - leu - val - val - val - gly - tyr - phe - leu - his - leu - lys - arg - tyr - cys - arg - ala - phe - arg - gln - asp - arg - asp - ala - leu - leu - glu -
- leu - trp - leu - trp - trp - val - ile - ser - cys - ile - -fMet - lys -
-fMet - ser - gly - val - ser - pro - gly - gln - arg - arg - thr - ala -
p10 0.5 bits
... p35
{-------- ... p35-(23)-p10 3
|------- ... p35-p10 318144
p35-(23)-p10 3181522 Gap 1.4 bits
p35-p10 3181522 total 4.8 bits
p35-(24)-p10 3181521 Gap 2.4 bits
p35-p10 3181521 total 4.2 bits
p10 0.9 bits
*3181450 *3181440 *3181430 *3181420 *3181410 *3181400 *3181390 *3181380
5' g c g c g g a a c a a a t a c t t a a a c a g t a c g a g a g a a g a g a c a g c c g a a a a g g t a g a a t a a g g c t t t c g t g a a g c t g g c a g a a g t 3'
- ala - arg - asn - lys - tyr - leu - asn - ser - thr - arg - glu - glu - thr - ala - glu - lys - val - glu -
- arg - gly - thr - asn - thr - -fMet - lys - leu - ala - glu - val -
-fMet -
p35 5.5 bits
p10 0.7 bits
[###> orf 57 codons
p35-(23)-p10 3181440 Gap 1.4 bits
p35-p10 3181440 total 4.8 bits
*3181370 *3181360 *3181350 *3181340 *3181330
5' t g t c c a t g c g c t g g a c a a c t t c t g a t g t t g t t t t t a a c c a a t t c c c g c c g t t t 3'


fMet - leu - phe - leu - thr - asn - ser - arg - arg -
val - his - ala - leu - asp - asn - phe -
ser - met - arg - trp - thr - thr - ser - asp - val - val - phe - asn - gln - phe - pro - pro - phe -