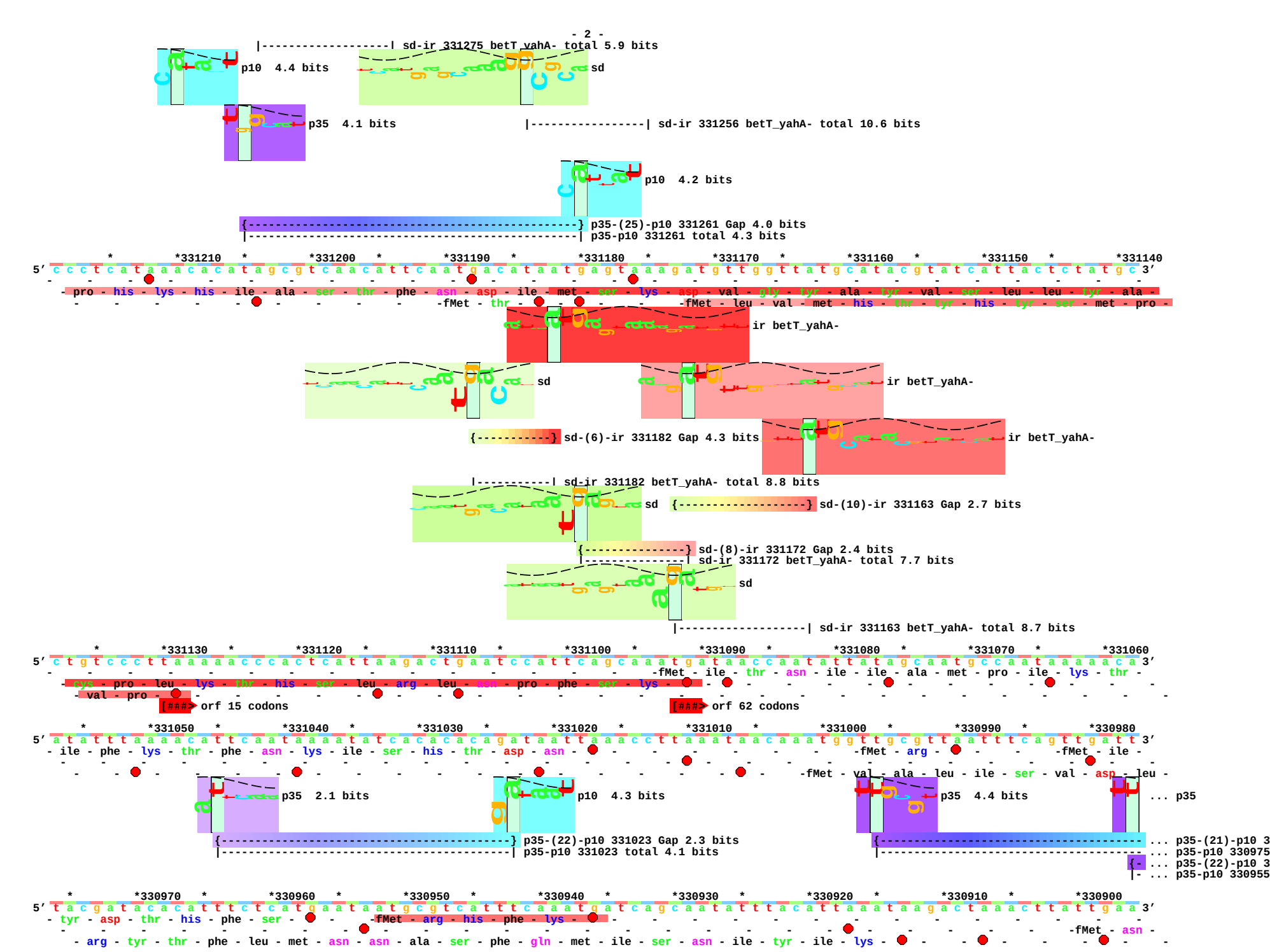
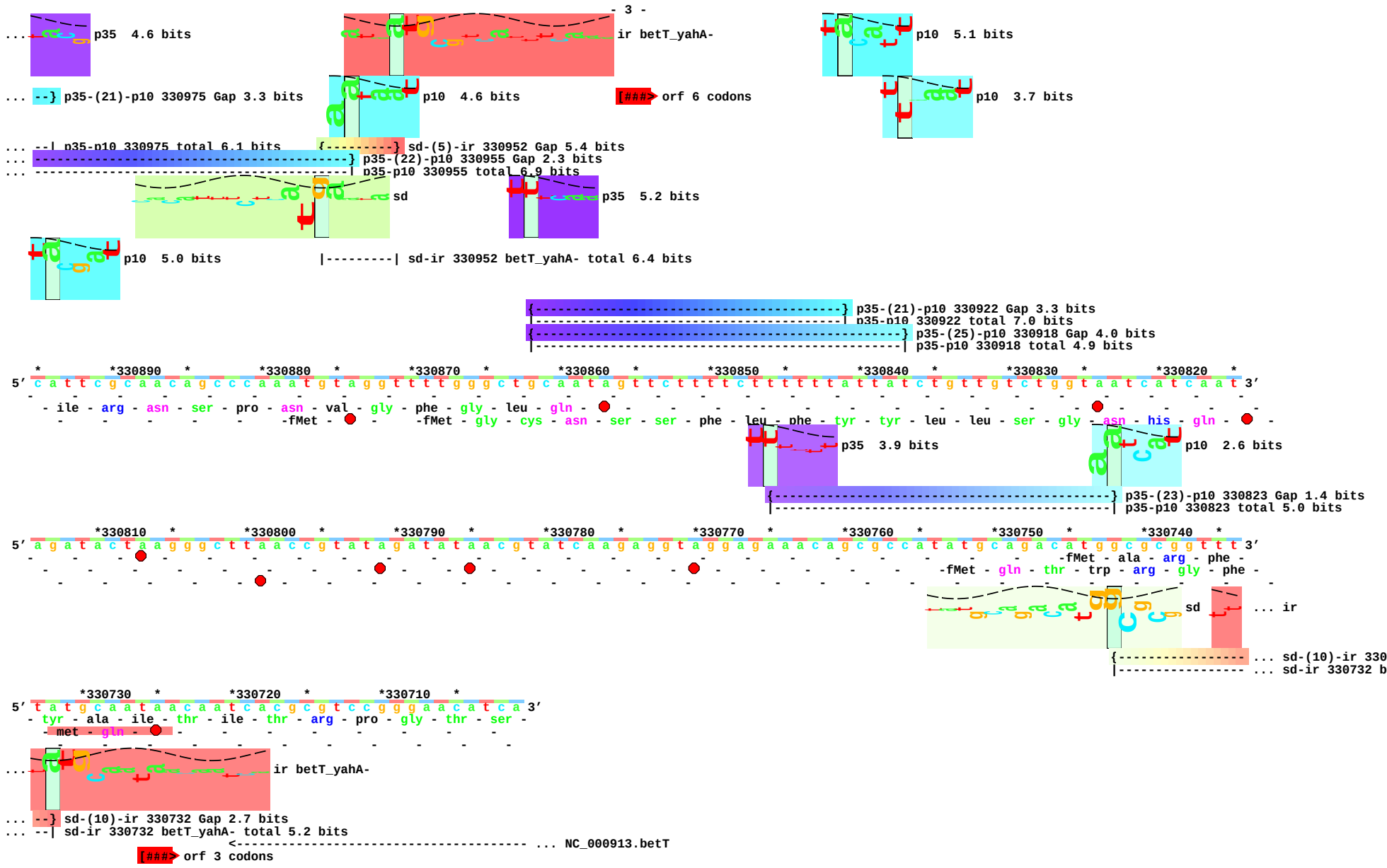
piece 1, NC_000913, betT_yahA-, config: linear, direction: -, begin: 331624, end: 330701


- 2 -
|-----------------| sd-ir 331275 betT_yahA- total 5.9 bits
p10 4.4 bits
sd
p35 4.1 bits
|-----------------| sd-ir 331256 betT_yahA- total 10.6 bits
p10 4.2 bits
{---} p35-(25)-p10 331261 Gap 4.0 bits
|---| p35-p10 331261 total 4.3 bits
*331210 *331200 *331190 *331180 *331170 *331160 *331150 *331140
5' cccctcataaacacatagcgtcaacattcaatgacataatgagtaaagatgttggttatgcatacgtatcattactctatgc 3'
- pro - his - lys - his - ile - ala - ser - thr - phe - asn - asp - ile - met - ser - lys - asp - val - gly - tyr - ala - tyr - val - ser - leu - leu - tyr - ala -
-fMet - thr -
-fMet - leu - val - met - his - thr - tyr - his - tyr - ser - met - pro -
ir betT_yahA-
sd
ir betT_yahA-
{----------} sd-(6)-ir 331182 Gap 4.3 bits
ir betT_yahA-
|----------| sd-ir 331182 betT_yahA- total 8.8 bits
sd
{------------------} sd-(10)-ir 331163 Gap 2.7 bits
{---------------} sd-(8)-ir 331172 Gap 2.4 bits
|---------------| sd-ir 331172 betT_yahA- total 7.7 bits
sd
|-------------------| sd-ir 331163 betT_yahA- total 8.7 bits
*331130 *331120 *331110 *331100 *331090 *331080 *331070 *331060
5' ctgtcccttaaaaaccccactcattaagactgaatccattcagcaaatgataaccaatattatagcaatgccaataaaaaca 3'
-fMet - ile - thr - asn - ile - ile - ala - met - pro - ile - lys - thr -
- cys - pro - leu - lys - thr - his - ser - leu - arg - leu - asn - pro - phe - ser - lys -
- val - pro -
[###> orf 15 codons
[###> orf 62 codons
*331050 *331040 *331030 *331020 *331010 *331000 *330990 *330980
5' atatttaaaacattcaataaaatatcacacacagataatttaaaccttaaataacaaatggttgcgttaatttcagttgatt 3'
- ile - phe - lys - thr - phe - asn - lys - ile - ser - his - thr - asp - asn -
-fMet - arg -
-fMet - ile -
-fMet - val - ala - leu - ile - ser - val - asp - leu -
p35 2.1 bits
p10 4.3 bits
p35 4.4 bits
... p35
{---------------------------------------} p35-(22)-p10 331023 Gap 2.3 bits
|---------------------------------------| p35-p10 331023 total 4.1 bits
{---------- ... p35-(21)-p10 3
|---------- ... p35-p10 330975
{- ... p35-(22)-p10 3
|- ... p35-p10 330955
*330970 *330960 *330950 *330940 *330930 *330920 *330910 *330900
5' tacgatacacatttctcatgaataatgcgtcatttcaaatgatcagcaatatttacattaaataagactaaacttattgaa 3'
- tyr - asp - thr - his - phe - ser -
-fMet - arg - his - phe - lys -
-fMet - asn -
- arg - tyr - thr - phe - leu - met - asn - asn - ala - ser - phe - gln - met - ile - ser - asn - ile - tyr - ile - lys -


- 3 -
... p35 4.6 bits
ir betT_yahA-
p10 5.1 bits
... --} p35-(21)-p10 330975 Gap 3.3 bits
p10 4.6 bits
[###> orf 6 codons
p10 3.7 bits
... --| p35-p10 330975 total 6.1 bits
{---------} sd-(5)-ir 330952 Gap 5.4 bits
... ----------} p35-(22)-p10 330955 Gap 2.3 bits
... ----------| p35-p10 330955 total 6.9 bits
sd
p35 5.2 bits
p10 5.0 bits
|---------| sd-ir 330952 betT_yahA- total 6.4 bits
{----------} p35-(21)-p10 330922 Gap 3.3 bits
|----------| p35-p10 330922 total 7.0 bits
{----------} p35-(25)-p10 330918 Gap 4.0 bits
|----------| p35-p10 330918 total 4.9 bits
* *330890 * *330880 * *330870 * *330860 * *330850 * *330840 * *330830 * *330820 *
5′ c a t t c g c a a c a g c c c a a a t g t a g g t t t t g g g c t g c a a t a g t t c t t t t c t t t t t t a t t a t c t g t t g t c t g g t a a t c a t c a a t 3′
- ile - arg - asn - ser - pro - asn - val - gly - phe - gly - leu - gln -
-fMet - -fMet - gly - cys - asn - ser - ser - phe - leu - phe - tyr - tyr - leu - leu - ser - gly - asn - his - gln -
p35 3.9 bits
p10 2.6 bits
{----------} p35-(23)-p10 330823 Gap 1.4 bits
|----------| p35-p10 330823 total 5.0 bits
*330810 * *330800 * *330790 * *330780 * *330770 * *330760 * *330750 * *330740 *
5′ a g a t a c t a a g g c t t a a c c g t a t a g a t a t a a c g t a t c a a g a g g t a g g a g a a a c a g c g c c a t a t g c a g a c a t g g c g c g g t t t 3′
-fMet - ala - arg - phe -
-fMet - gln - thr - trp - arg - gly - phe -
sd ... ir
{---------- ... sd-(10)-ir 330
|---------- ... sd-ir 330732 b
*330730 * *330720 * *330710 *
5′ t a t g c a a t a a c a a t c a c g c g t c c g g g a a c a t c a 3′
- tyr - ala - ile - thr - ile - thr - arg - pro - gly - thr - ser -
- met - gln -
... ir betT_yahA-
... --} sd-(10)-ir 330732 Gap 2.7 bits
... --| sd-ir 330732 betT_yahA- total 5.2 bits
<---------- ... NC_000913.betT
[###> orf 3 codons