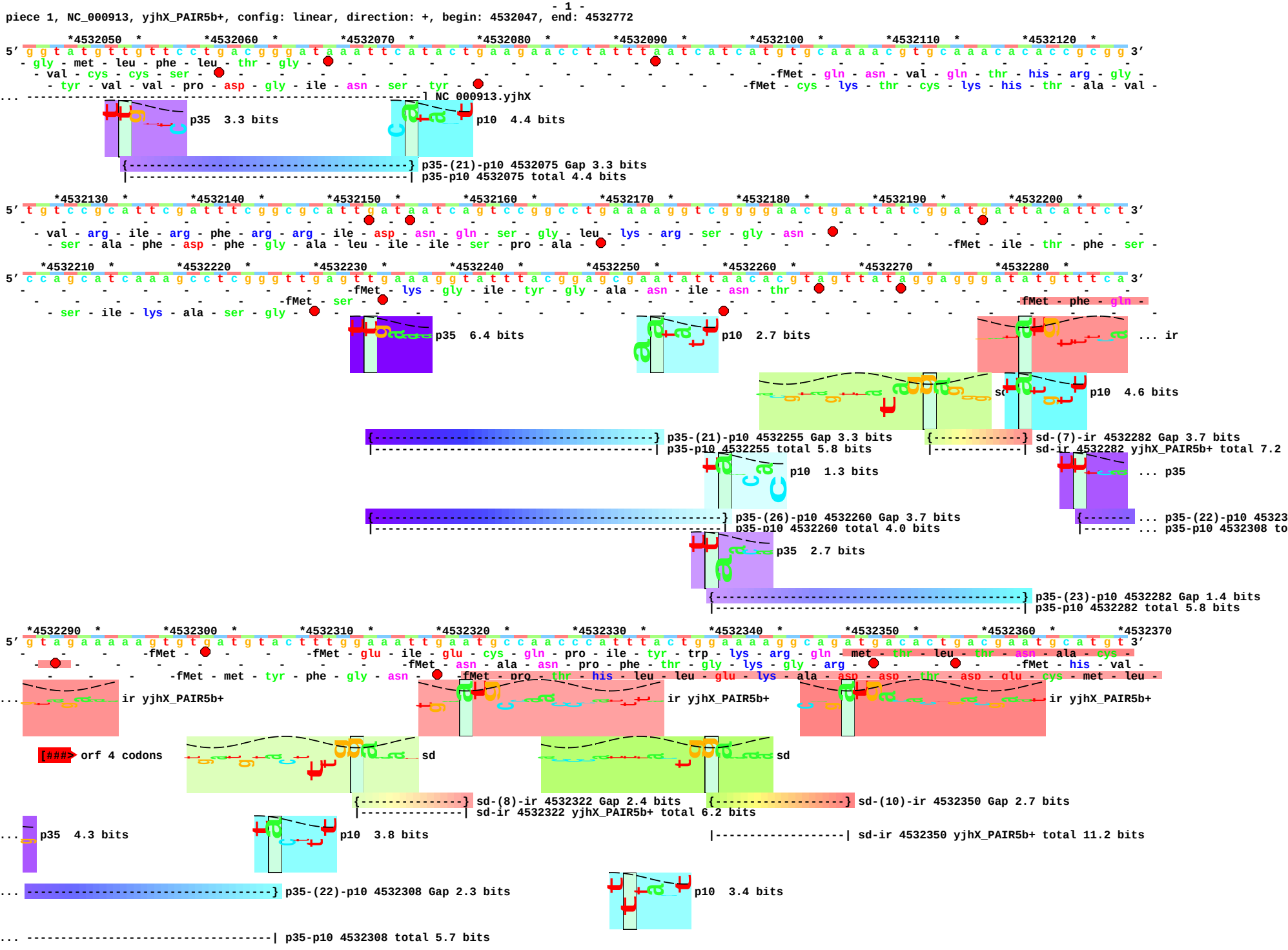
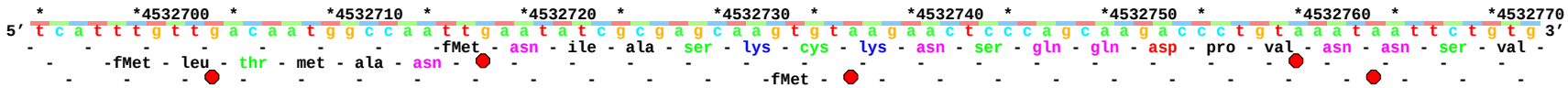

piece 1, NC_000913, yjhX_PAIR5b+, config: linear, direction: +, begin: 4532047, end: 4532772
*4532050 *4532060 *4532070 *4532080 *4532090 *4532100 *4532110 *4532120 *
5′ g g t a t g t t g t t c c t g a c g g g a t a a a t t c a t a c t g a a g a a c c t a t t t a a t c a t c a t g t g c a a a a c g t g c a a a c a c a c c g c g g 3′
- gly - met - leu - phe - leu - thr - gly -
- val - cys - cys - ser -
- tyr - val - val - pro - asp - gly - ile - asn - ser - tyr -
-fMet - gln - asn - val - gln - thr - his - arg - gly -
-fMet - cys - lys - thr - cys - lys - his - thr - ala - val -
NC_000913.yjhX
p35 3.3 bits
p10 4.4 bits
p35-(21)-p10 4532075 Gap 3.3 bits
p35-p10 4532075 total 4.4 bits
*4532130 *4532140 *4532150 *4532160 *4532170 *4532180 *4532190 *4532200 *
5′ t g t c c g c a t t c g a t t t c g g c g c a t t g a t a a t c a g t c c g g c c t g a a a a g g t c g g g g a a c t g a t t a t c g g a t g a t t a c a t t c t 3′
- val - arg - ile - arg - phe - arg - arg - ile - asp - asn - gln - ser - gly - leu - lys - arg - ser - gly - asn -
- ser - ala - phe - asp - phe - gly - ala - leu - ile - ile - ser - pro - ala -
-fMet - ile - thr - phe - ser -
*4532210 *4532220 *4532230 *4532240 *4532250 *4532260 *4532270 *4532280 *
5′ c c a g c a t c a a a g c c t c g g g t t g a g t t g a a a g g t a t t t a c g g a g c g a a t a t t a a c a c g t a g t t a t a g g a g g g a t a t g t t t c a 3′
-fMet - lys - gly - ile - tyr - gly - ala - asn - ile - asn - thr -
-fMet - ser -
-fMet - phe - gln -
- ser - ile - lys - ala - ser - gly -
p35 6.4 bits
p10 2.7 bits
... ir
sd
p10 4.6 bits
p35-(21)-p10 4532255 Gap 3.3 bits
p35-p10 4532255 total 5.8 bits
sd-(7)-ir 4532282 Gap 3.7 bits
sd-ir 4532282 yjhX_PAIR5b+ total 7.2
p10 1.3 bits
... p35
p35-(26)-p10 4532260 Gap 3.7 bits
p35-p10 4532260 total 4.0 bits
... p35-(22)-p10 45323
... p35-p10 4532308 to
p35 2.7 bits
p35-(23)-p10 4532282 Gap 1.4 bits
p35-p10 4532282 total 5.8 bits
*4532290 *4532300 *4532310 *4532320 *4532330 *4532340 *4532350 *4532360 *4532370
5′ g t a g a a a a a g t g t g a t g t a c t t t g g a a a t t g a a t g c c a a c c c a t t t a c t g g a a a a g g c a g a t g a c a c t g a c g a a t g c a t g t 3′
-fMet - glu - ile - glu - cys - gln - pro - ile - tyr - trp - lys - arg - gln - met - thr - leu - thr - asn - ala - cys -
-fMet - asn - ala - asn - pro - phe - thr - gly - lys - gly - arg -
-fMet - his - val -
-fMet - met - tyr - phe - gly - asn -
-fMet - pro - thr - his - leu - leu - glu - lys - ala - asp - asp - thr - asp - glu - cys - met - leu -
... ir yjhX_PAIR5b+
ir yjhX_PAIR5b+
ir yjhX_PAIR5b+
[###> orf 4 codons
sd
sd
sd-(8)-ir 4532322 Gap 2.4 bits
sd-ir 4532322 yjhX_PAIR5b+ total 6.2 bits
sd-(10)-ir 4532350 Gap 2.7 bits
... p35 4.3 bits
p10 3.8 bits
sd-ir 4532350 yjhX_PAIR5b+ total 11.2 bits
... p35-(22)-p10 4532308 Gap 2.3 bits
p10 3.4 bits
... p35-p10 4532308 total 5.7 bits

p35 4.3 bits
p35-(21)-p10 4532334 Gap 3.3 bits
p35-p10 4532334 total 4.4 bits
5′ t g a a g t a c g c c t g a a a t g g c c t c a t c g g c t t t t c c c t t c g g g a g a t t a t c t c c t t t t g t t a a a t c c a g a a c a t a a a t a t g 3′
- glu - val - arg - leu - lys - trp - pro - his - arg - leu - phe - pro - ser - gly - asp - tyr - ser - pro - phe - val - lys - ser - arg - thr -
- lys - tyr - ala -
-fMet - ala - ser - ser - ala - phe - pro - phe - gly - arg - leu - phe - ser - phe - cys -
-fMet - leu - asn - pro - glu - his - lys - tyr - ala -
-fMet -
[###> orf 8 codons
[###> orf 21 codons
sd
... ir
p35 2.9 bits
sd-(10)-ir 4532449 Gap
sd-ir 4532449 yjhX_PAIR
... p10
p35-(23)-p10 4532449 Ga
p35-p10 4532449 total 6
5′ c t c a c c c a t c t t c g a t g c t t g a a a a a t t g a a g c c a a t c c t g a a g t a a t t t t t t t g a a a g g g t a t t t t c c g g a t t c a c a c 3′
- leu - thr - his - leu - arg - cys - leu - lys - asn -
- his - pro - ser - ser - met - leu - glu - lys - leu - lys - pro - ile - leu - ile - ser - asn - phe - phe - glu - arg - val - phe - ser - gly - phe - thr - pro -
-fMet - lys - gly - tyr - phe - pro - asp - ser - his -
... ir yjhX_PAIR5b+
[###> orf 11 codons
p10 1.3 bits
p35 5.5 bits
p10 1.3 bits
p35-(23)-p10 4532502 Gap 1.4 bits
... p10 5.3 bits
p35-p10 4532502 total 5.4 bits
p35-(24)-p10 4532503 Gap 2.4 bits
p35-p10 4532503 total 4.4 bits
5′ c g g c t t t g a t g a g t g a a a a a c c g t t c t c t t t t a t t c a g t c a a t c g t g g c g g t a a t t g c t t c a a t t g c a t a t c c c t g g c g a g 3′
- arg - leu -
- ala - leu - met - ser - glu - lys - pro - phe - ser - phe - ile - gln - ser - ile - val - ala - val - ile - ala - ser - ile - ala - tyr - pro - trp - arg - ala -
-fMet - lys - asn - arg - ser - leu - leu - phe - ser - gln - ser - trp - arg -
-fMet - leu - gln - leu - his - ile - pro - gly - glu -
p35 4.7 bits
p10 3.2 bits
p35-(23)-p10 4532562 Gap 1.4 bits
p35-p10 4532562 total 6.4 bits
p10 2.6 bits
p35-(24)-p10 4532563 Gap 2.4 bits
p35-p10 4532563 total 4.9 bits
5′ c a t a a g c g g g a c t g a t g g t a t a g c c g a g c c a a a a c a c a t c g c a t t g c t g a c g t a a a t a g a t a t c a c c a a t c a a a a c c t g c g 3′
- his - lys - arg - asp -
-fMet - val -
-fMet - leu - thr -


* *4532700 * *4532710 * *4532720 * *4532730 * *4532740 * *4532750 * *4532760 * *4532770
5’ t c a t t t g t t g a c a a t g g c c a a t t g a a t a t c g c g a g c a a g t g t a a g a a c t c c c a g c a a g a c c c t g t a a a t a a t t c t g t g 3’
-fMet - asn - ile - ala - ser - lys - cys - lys - asn - ser - gln - gln - asp - pro - val - asn - asn - ser - val -
-fMet - leu - thr - met - ala - asn -
-fMet -