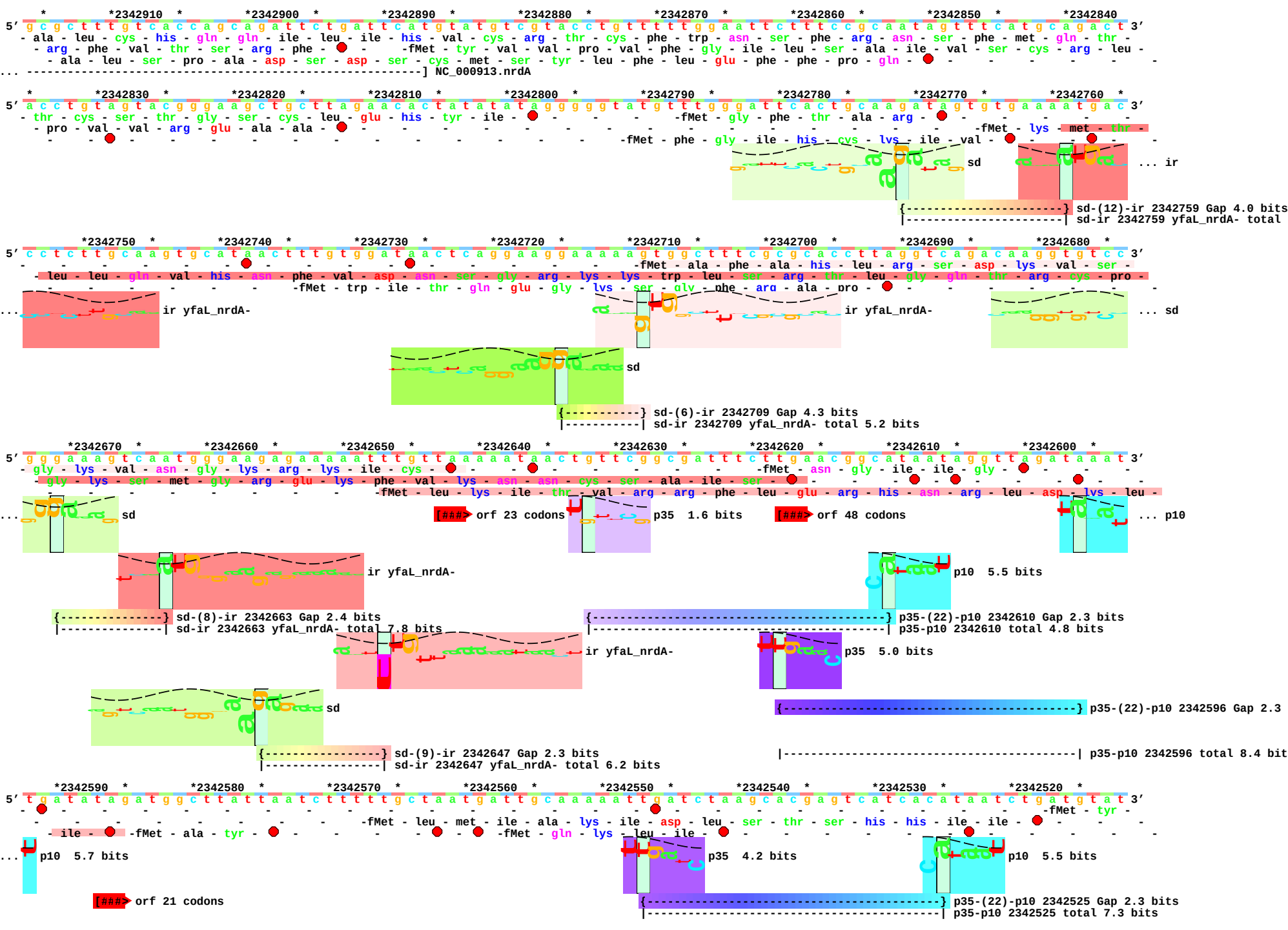
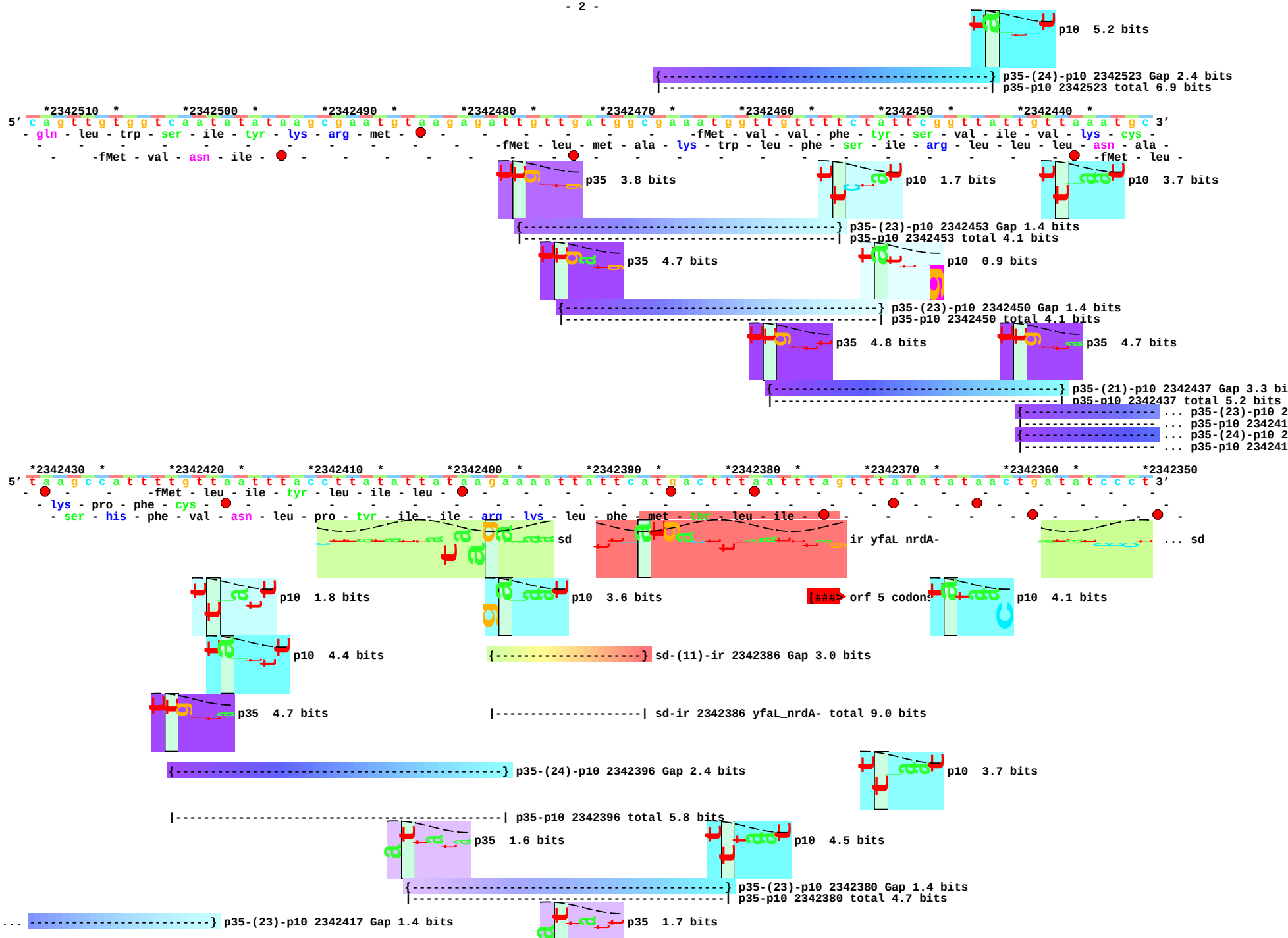
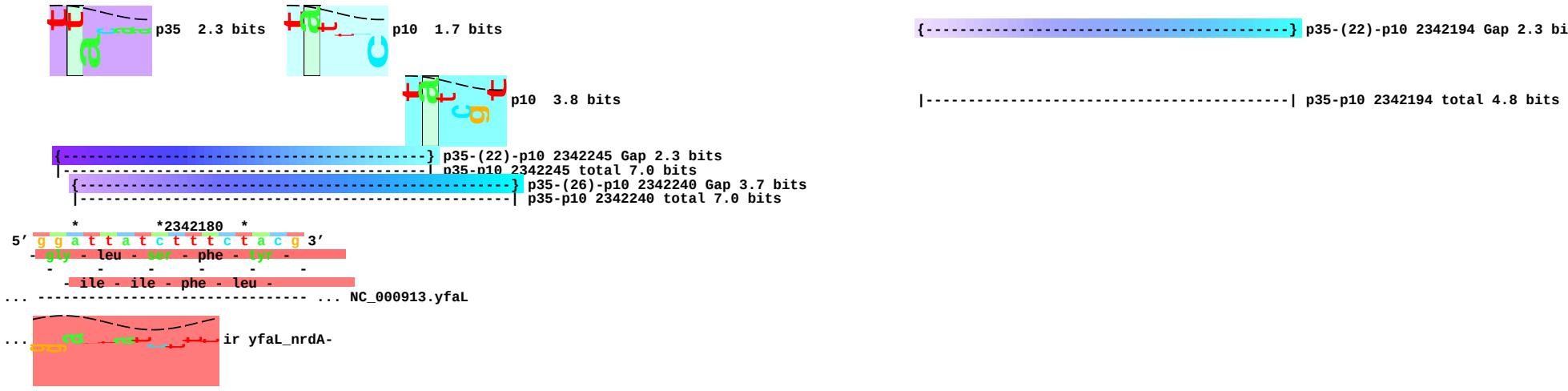
piece 1, NC_000913, yfaL_nrdA-, config: linear, direction: -, begin: 2342916, end: 2342172




p10 5.2 bits
p35-(24)-p10 2342523 Gap 2.4 bits
p35-p10 2342523 total 6.9 bits
*2342510 *2342500 *2342490 *2342480 *2342470 *2342460 *2342450 *2342440 *
5' c a g t t g t g g t c a a t a t a t a a g c g a a t g t a a g a g a t t g t t g a t g g c g a a a t g g t t g t t t c t a t t c g g t t a t t g t t a a a t g c 3'
- gln - leu - trp - ser - ile - tyr - lys - arg - met - -fMet - val - val - phe - tyr - ser - val - ile - val - lys - cys -
-fMet - leu - met - ala - lys - trp - leu - phe - ser - ile - arg - leu - leu - leu - asn - ala -
-fMet - val - asn - ile - -fMet - leu -
p35 3.8 bits
p10 1.7 bits
p10 3.7 bits
p35-(23)-p10 2342453 Gap 1.4 bits
p35-p10 2342453 total 4.1 bits
p35 4.7 bits
p10 0.9 bits
p35-(23)-p10 2342450 Gap 1.4 bits
p35-p10 2342450 total 4.1 bits
p35 4.8 bits
p35 4.7 bits
p35-(21)-p10 2342437 Gap 3.3 bi
p35-p10 2342437 total 5.2 bits
... p35-(23)-p10 2
... p35-p10 234241
... p35-(24)-p10 2
... p35-p10 234241
*2342430 *2342420 *2342410 *2342400 *2342390 *2342380 *2342370 *2342360 *2342350
5' t a a g c c a t t t t g t t a a t t t a c c t t a t a t t a t a a g a a a a t t a t t c a t g a c t t t a a t t t a g t t t a a a t a t a a c t g a t a t c c c t 3'
- lys - pro - phe - cys -
- ser - his - phe - val - asn - leu - pro - tyr - ile - ile - arg - lys - leu - phe - met - thr - leu - ile -
sd
ir yfaL_nrdA-
... sd
p10 1.8 bits
p10 3.6 bits
[###> orf 5 codons
p10 4.1 bits
p10 4.4 bits
sd-(11)-ir 2342386 Gap 3.0 bits
p35 4.7 bits
sd-ir 2342386 yfaL_nrdA- total 9.0 bits
p35-(24)-p10 2342396 Gap 2.4 bits
p10 3.7 bits
p35-p10 2342396 total 5.8 bits
p35 1.6 bits
p10 4.5 bits
p35-(23)-p10 2342380 Gap 1.4 bits
p35-p10 2342380 total 4.7 bits
... p35-(23)-p10 2342417 Gap 1.4 bits
p35 1.7 bits

... ----------| p35-p10 2342417 total 5.1 bits
... ----------} p35-(24)-p10 2342416 Gap 2.4 bits
... ----------| p35-p10 2342416 total 6.7 bits
{----------} p35-(23)-p10 2342369 Gap 1.4 bits
|----------| p35-p10 2342369 total 4.0 bits
p35 3.4 bits
{----------} p35-(21)-p10 2342364 Gap 3.3 bits
|----------| p35-p10 2342364 total 4.2 bits
* *2342340 * *2342330 * *2342320 * *2342310 * *2342300 * *2342290 * *2342280 * *2342270
5′ g a a g g t t a t t a a c t t g a a t t a t g a c g c a c t g a t t a t t c a t c a a a t a a t a a c a a a a t a g c c a t t g c a c c g g g t t g a a c a a 3′
-fMet - asn - tyr - asp - ala - leu - ile - leu - phe - ile - lys -
-fMet - thr - his -
-fMet - his - arg - val - glu - gln -
-fMet - asn - asn -
... sd ir yfaL_nrdA-
[###> orf 12 codons
p35 5.0 bits
{----------} sd-(9)-ir 2342336 Gap 2.3 bits
[###> orf 4 codons
p10 4.6 bits
{---------- ... p35-(21)-p10 2
|----------| sd-ir 2342336 yfaL_nrdA- total 5.2 bits
|---------- ... p35-p10 234225
ir yfaL_nrdA-
{---------- ... p35-(23)-p10 2
{----------} sd-(16)-ir 2342329 Gap 6.4 bits
|----------| sd-ir 2342329 yfaL_nrdA- total 6.2 bits
|---------- ... p35-p10 234225
p35 2.8 bits
p10 7.1 bits
{----------} p35-(24)-p10 2342316 Gap 2.4 bits
|----------| p35-p10 2342316 total 7.4 bits
p35 2.4 bits
{----------} p35-(24)-p10 2342304 Gap 2.4 bits
|----------| p35-p10 2342304 total 4.6 bits
* *2342260 * *2342250 * *2342240 * *2342230 * *2342220 * *2342210 * *2342200 * *2342190
5′ t t t a c a a a a g a a a g a t a t t c c a t a t c g t a t a a t g c g a t t a a a t a c g c c g t c t t a t a g a a a a t g a t g g t t a g a t t a a t a t g c 3′
- phe - thr - lys - glu - arg - tyr - ser - ile - ser - tyr - asn - ala - ile - lys - tyr - ala - val - leu -
- leu - gln - lys - lys - asp - ile - pro - tyr - arg - ile -
-fMet - met - val - arg - leu - ile - cys -
met - arg - leu - asn - thr - pro - ser - tyr - arg - lys -
-fMet - arg -
sd
ir yfaL_nrdA-
[###> orf 11 codons
[------- ... NC_000913.yfaL
... ----------} p35-(21)-p10 2342254 Gap 3.3 bits
ir yfaL_nrdA-
... ----------| p35-p10 2342254 total 4.2 bits
sd
... ir
... ----------} p35-(23)-p10 2342252 Gap 1.4 bits
... ----------| p35-p10 2342252 total 5.2 bits
{----------} sd-(7)-ir 2342205 Gap 3.7 bits
|----------| sd-ir 2342205 yfaL_nrdA- total 5.4 bits
p35 5.5 bits
{----------} sd-(18)-ir 2342237 Gap 6.9 bits
sd
p10 6.3 bits
{----------} sd-(11)-ir 2342191 Gap 3.
|----------| sd-ir 2342237 yfaL_nrdA- total 5.4 bits
p10 2.4 bits
p10 8.4 bits
p35 0.9 bits
|----------| sd-ir 2342191 yfaL_nrdA-


p35 2.3 bits
p10 1.7 bits
{----------} p35-(22)-p10 2342194 Gap 2.3 bi
p10 3.8 bits
|----------| p35-p10 2342194 total 4.8 bits
{----------} p35-(22)-p10 2342245 Gap 2.3 bits
|----------| p35-p10 2342245 total 7.0 bits
{----------} p35-(26)-p10 2342240 Gap 3.7 bits
|----------| p35-p10 2342240 total 7.0 bits
* *2342180 *
5′ g g a t t a t c t t t c t a c g 3′
- gly - leu - ser - phe - tyr -
- ile - ile - phe - leu -
... ... NC_000913.yfaL
... ir yfaL_nrdA-