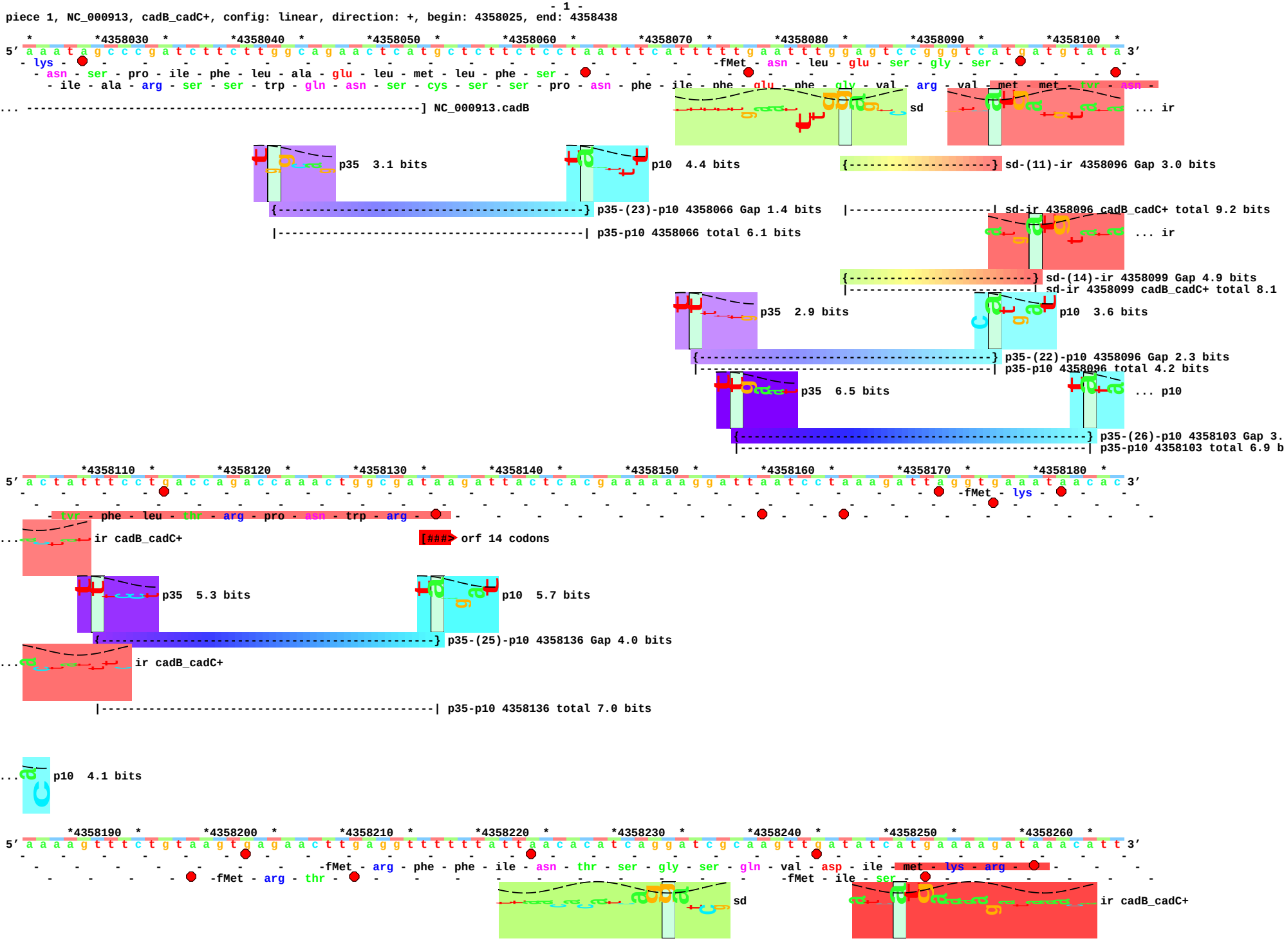
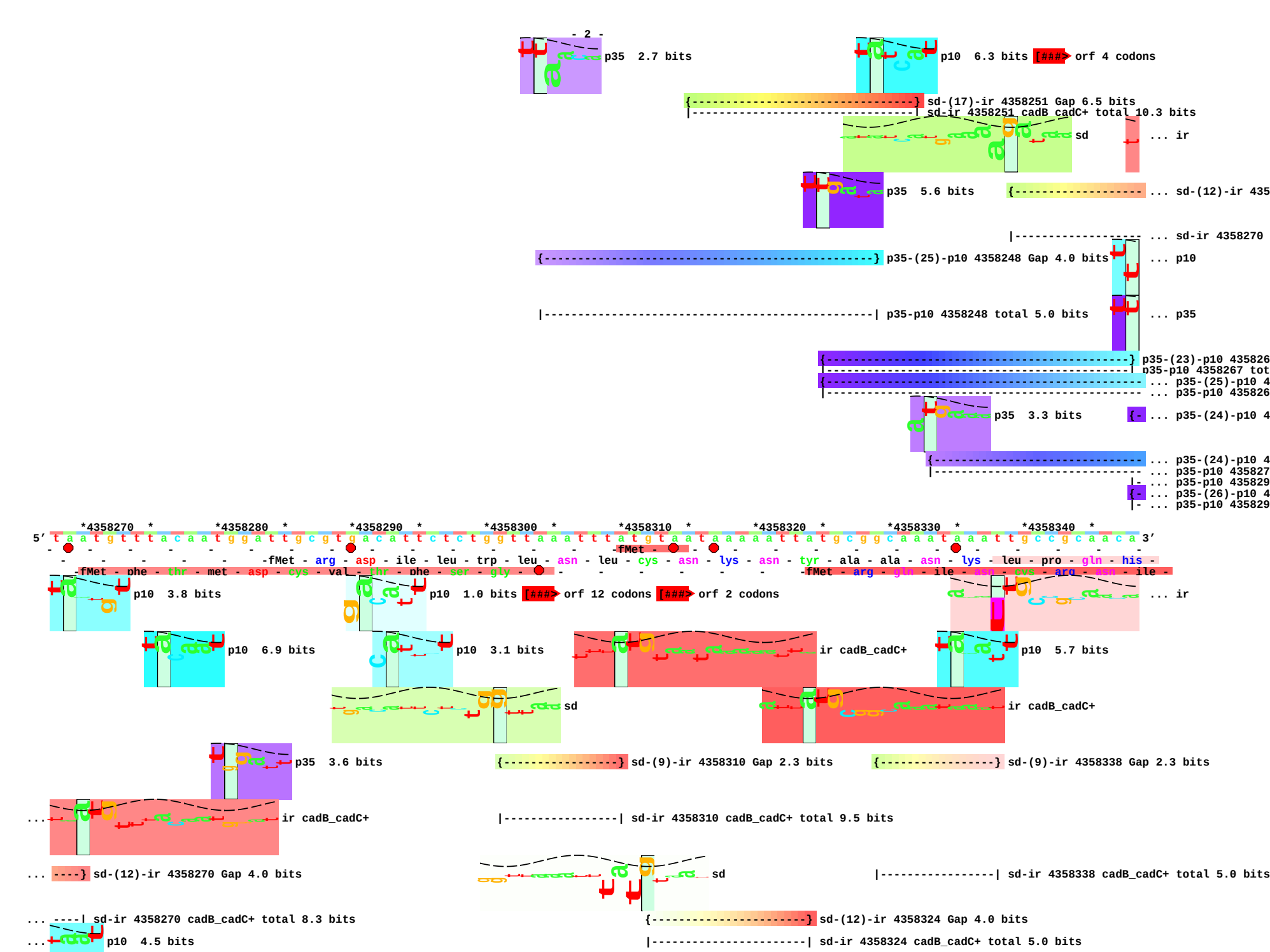
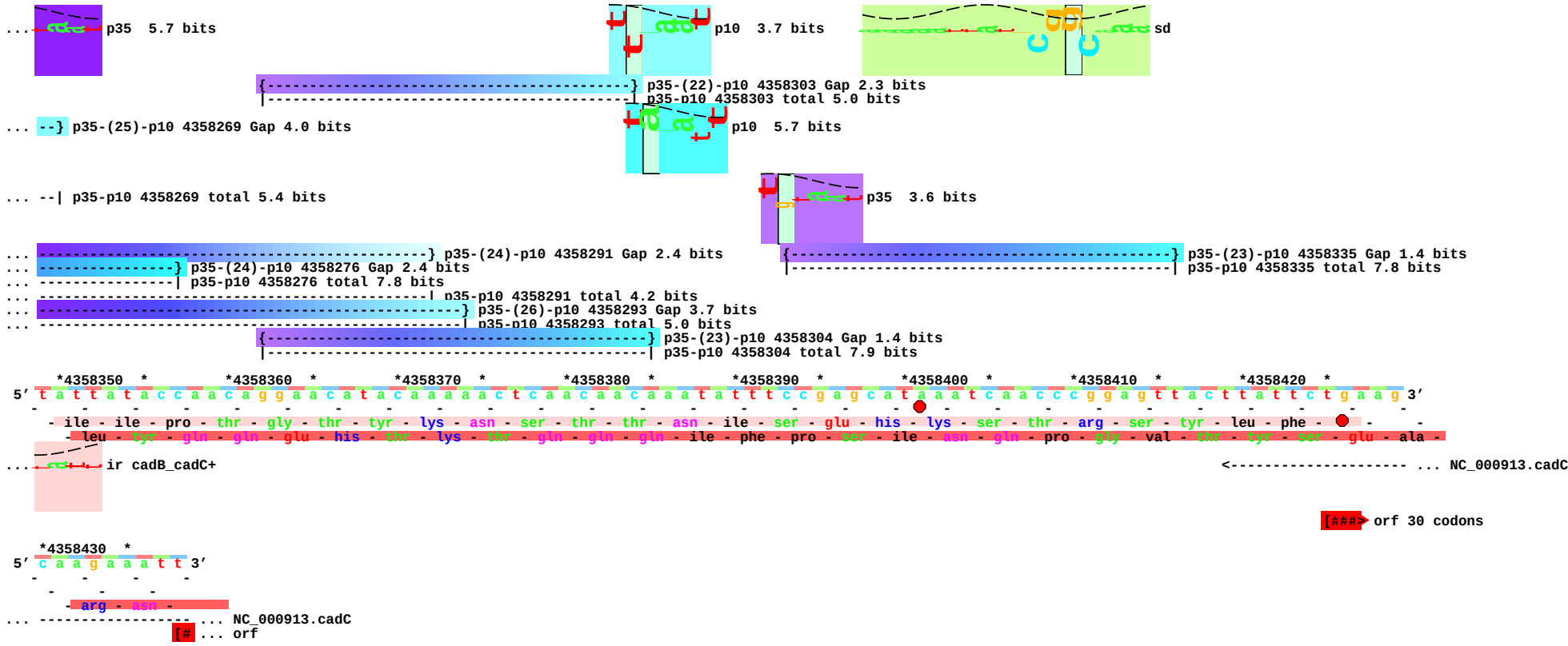

piece 1, NC_000913, cadB_cadC+, config: linear, direction: +, begin: 4358025, end: 4358438
*4358030 *4358040 *4358050 *4358060 *4358070 *4358080 *4358090 *4358100
5′ a a a t a g c c c g a t c t t c t t g g c a g a a c t c a t g c t c t t c t c c t a a t t t c a t t t t t g a a t t t g g a g t c c g g g t c a t g a t g t a t a 3′
- lys - -fMet - asn - leu - glu - ser - gly - ser -
- asn - ser - pro - ile - phe - leu - ala - glu - leu - met - leu - phe - ser -
- ile - ala - arg - ser - ser - trp - gln - asn - ser - cys - ser - ser - pro - asn - phe - ile - phe - glu - phe - gly - val - arg - val - met - met - tyr - asn -
... ----------] NC_000913.cadB
sd
... ir
p35 3.1 bits
p10 4.4 bits
{----------} sd-(11)-ir 4358096 Gap 3.0 bits
{----------} p35-(23)-p10 4358066 Gap 1.4 bits
|----------| p35-p10 4358066 total 6.1 bits
|----------| sd-ir 4358096 cadB_cadC+ total 9.2 bits
... ir
{----------} sd-(14)-ir 4358099 Gap 4.9 bits
|----------| sd-ir 4358099 cadB_cadC+ total 8.1
p35 2.9 bits
p10 3.6 bits
{----------} p35-(22)-p10 4358096 Gap 2.3 bits
|----------| p35-p10 4358096 total 4.2 bits
p35 6.5 bits
... p10
{----------} p35-(26)-p10 4358103 Gap 3.
|----------| p35-p10 4358103 total 6.9 b
*4358110 *4358120 *4358130 *4358140 *4358150 *4358160 *4358170 *4358180
5′ a c t a t t t c c t g a c c a g a c c a a a c t g g c g a t a a g a t t a c t c a c g a a a a a a g g a t t a a t c c t a a a g a t t a g g t g a a a t a a c a c 3′
-fMet - lys -
- tyr - phe - leu - thr - arg - pro - asn - trp - arg -
... ir cadB_cadC+
[###> orf 14 codons
p35 5.3 bits
p10 5.7 bits
{----------} p35-(25)-p10 4358136 Gap 4.0 bits
... ir cadB_cadC+
|----------| p35-p10 4358136 total 7.0 bits
... p10 4.1 bits
*4358190 *4358200 *4358210 *4358220 *4358230 *4358240 *4358250 *4358260
5′ a a a a g t t t c t g t a a g t g a g a a c t t g a g g t t t t t t a t t a a c a c a t c a g g a t c g c a a g t t g a t a t c a t g a a a a g a t a a a c a t t 3′
-fMet - arg - phe - phe - ile - asn - thr - ser - gly - ser - gln - val - asp - ile - met - lys - arg -
-fMet - arg - thr - -fMet - ile - ser -
sd
ir cadB_cadC+


- 2 -
p35 2.7 bits
p10 6.3 bits [###> orf 4 codons
{---------- sd-(17)-ir 4358251 Gap 6.5 bits
|---------- sd-ir 4358251 cadB cadC+ total 10.3 bits
sd
... ir
p35 5.6 bits
{---------- ... sd-(12)-ir 435
|---------- ... sd-ir 4358270
{---------- p35-(25)-p10 4358248 Gap 4.0 bits
... p10
|---------- p35-p10 4358248 total 5.0 bits
... p35
{---------- p35-(23)-p10 435826
|---------- p35-p10 4358267 tot
{---------- ... p35-(25)-p10 4
|---------- ... p35-p10 435826
p35 3.3 bits
{- ... p35-(24)-p10 4
{---------- ... p35-(24)-p10 4
|---------- ... p35-p10 435827
|- ... p35-p10 435829
{- ... p35-(26)-p10 4
|- ... p35-p10 435829
*4358270 *4358280 *4358290 *4358300 *4358310 *4358320 *4358330 *4358340 *
5' t a a t g t t t a c a a t g g a t t g c g t g a c a t t c t c t g g t t a a a t t t a t g t a a t a a a a a t t a t g c g g c a a a t a a a t t g c c g c a a c a 3'
fMet
fMet - arg - asp - ile - leu - trp - leu - asn - leu - cys - asn - lys - asn - tyr - ala - ala - asn - lys - leu - pro - gln - his -
fMet - phe - thr - met - asp - cys - val - thr - phe - ser - gly -
fMet - arg - gln - ile - asn - cys - arg - asn - ile -
p10 3.8 bits
p10 1.0 bits [###> orf 12 codons [###> orf 2 codons
... ir
p10 6.9 bits
p10 3.1 bits
ir cadB_cadC+
p10 5.7 bits
sd
ir cadB_cadC+
p35 3.6 bits
{---------- sd-(9)-ir 4358310 Gap 2.3 bits
{---------- sd-(9)-ir 4358338 Gap 2.3 bits
... ir cadB_cadC+
|---------- sd-ir 4358310 cadB_cadC+ total 9.5 bits
... ----} sd-(12)-ir 4358270 Gap 4.0 bits
sd
|---------- sd-ir 4358338 cadB_cadC+ total 5.0 bits
... ----| sd-ir 4358270 cadB_cadC+ total 8.3 bits
{---------- sd-(12)-ir 4358324 Gap 4.0 bits
... p10 4.5 bits
|---------- sd-ir 4358324 cadB_cadC+ total 5.0 bits


... p35 5.7 bits
p10 3.7 bits
sd
{----------} p35-(22)-p10 4358303 Gap 2.3 bits
|----------| p35-p10 4358303 total 5.0 bits
... --} p35-(25)-p10 4358269 Gap 4.0 bits
p10 5.7 bits
... --| p35-p10 4358269 total 5.4 bits
p35 3.6 bits
... {----------} p35-(24)-p10 4358291 Gap 2.4 bits
... {----------} p35-(24)-p10 4358276 Gap 2.4 bits
... |----------| p35-p10 4358276 total 7.8 bits
... |----------| p35-p10 4358291 total 4.2 bits
... {----------} p35-(26)-p10 4358293 Gap 3.7 bits
... |----------| p35-p10 4358293 total 5.0 bits
{----------} p35-(23)-p10 4358304 Gap 1.4 bits
|----------| p35-p10 4358304 total 7.9 bits
{----------} p35-(23)-p10 4358335 Gap 1.4 bits
|----------| p35-p10 4358335 total 7.8 bits
*4358350 *4358360 *4358370 *4358380 *4358390 *4358400 *4358410 *4358420 *
5′ t a t t a t a c c a a c a g g a a c a t a c a a a a a c t c a a c a a c a a a t a t t t c c g a g c a t a a a t c a a c c c g g a g t t a c t t a t t c t g a a g 3′
- ile - ile - pro - thr - gly - thr - tyr - lys - asn - ser - thr - thr - asn - ile - ser - glu - his - lys - ser - thr - arg - ser - tyr - leu - phe -
- leu - tyr - gln - gln - glu - his - thr - lys - thr - gln - gln - gln - ile - phe - pro - ser - ile - asn - gln - pro - gly - val - thr - tyr - ser - glu - ala -
... ir cadB_cadC+
<---------- ... NC_000913.cadC
[###> orf 30 codons
*4358430 *
5′ c a a g a a a t t 3′
- arg - asn -
... ... NC_000913.cadC
[# ... orf