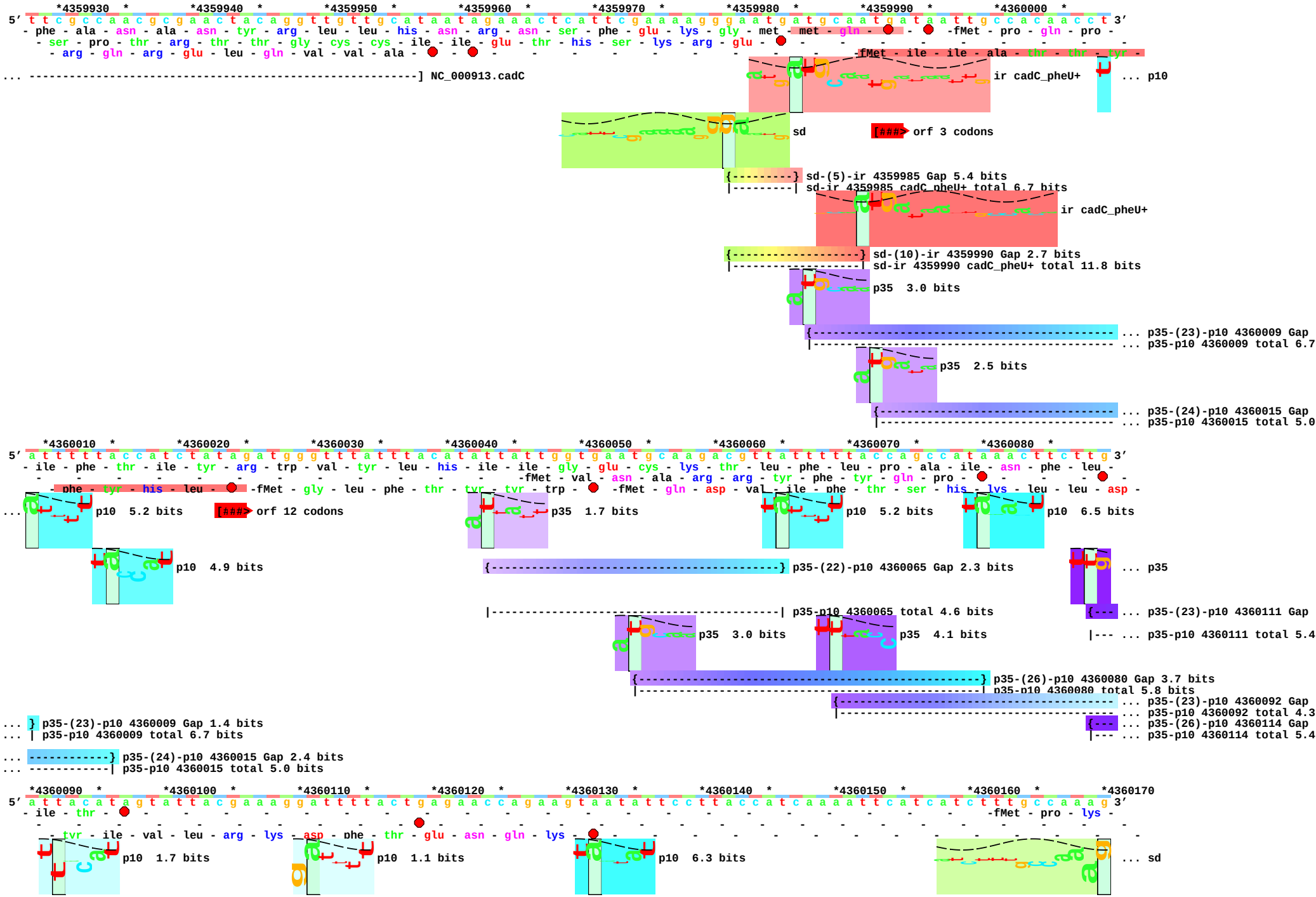
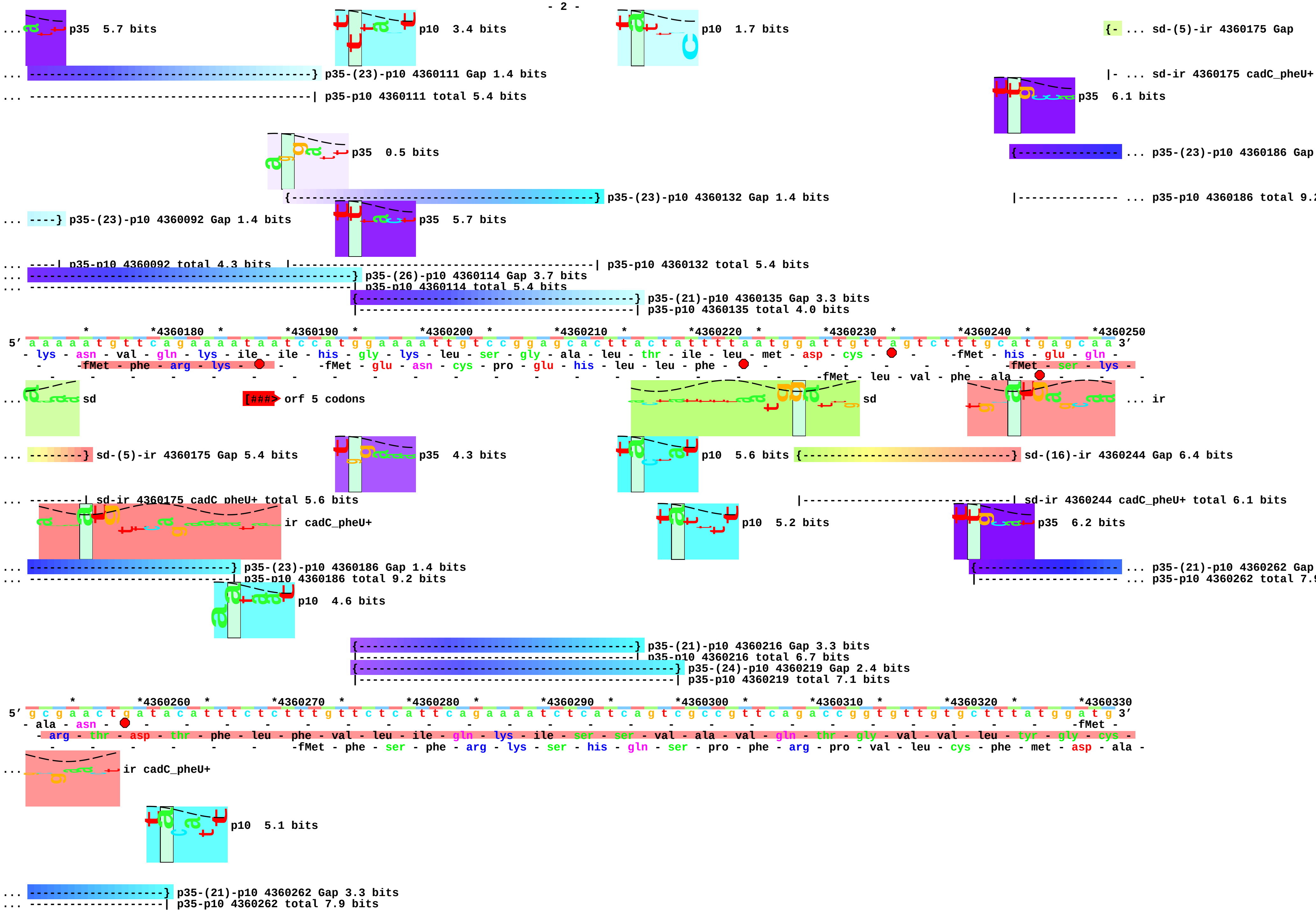
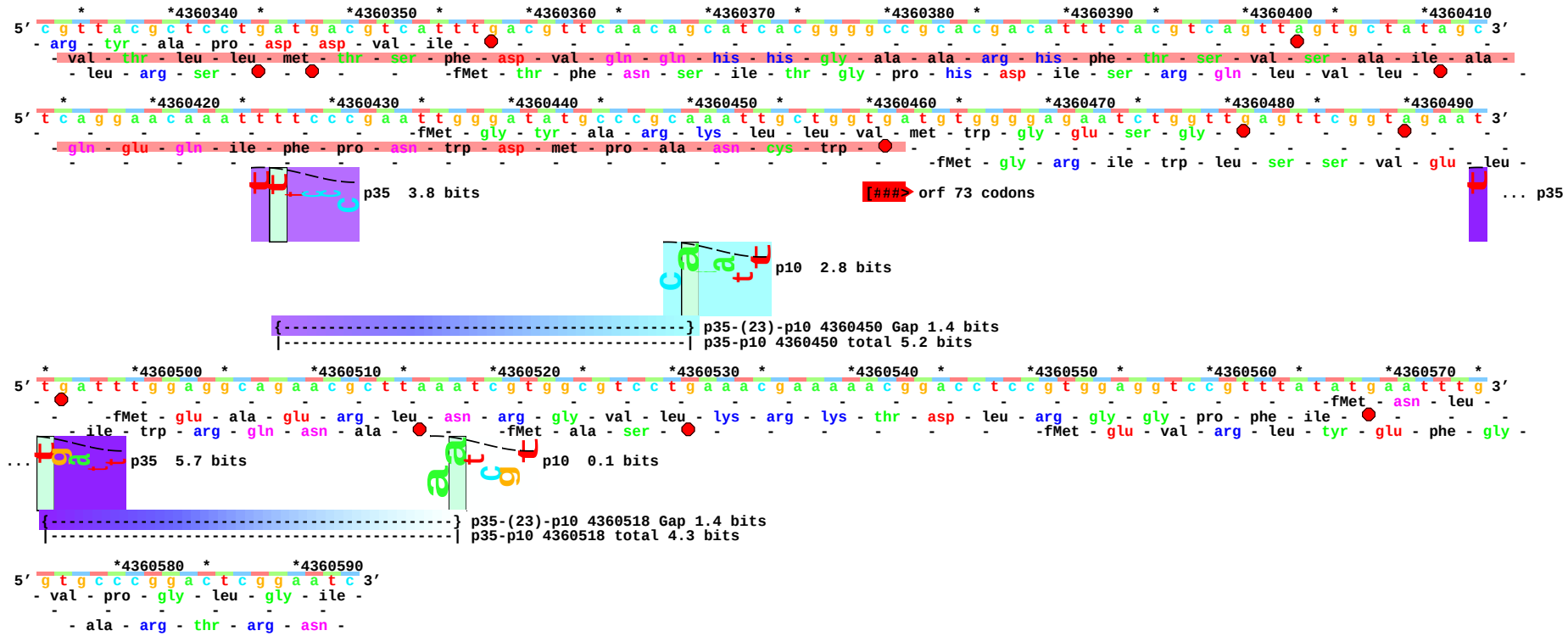
piece 1, NC_000913, cadC_pheU+, config: linear, direction: +, begin: 4359928, end: 4360593





... p35 5.7 bits
p10 3.4 bits
p10 1.7 bits
{- ... sd-(5)-ir 4360175 Gap
... --} p35-(23)-p10 4360111 Gap 1.4 bits
|- ... sd-ir 4360175 cadC_pheU+
... --| p35-p10 4360111 total 5.4 bits
p35 6.1 bits
p35 0.5 bits
{-------------- ... p35-(23)-p10 4360186 Gap
{---} p35-(23)-p10 4360132 Gap 1.4 bits
|-------------- ... p35-p10 4360186 total 9.2
... ----} p35-(23)-p10 4360092 Gap 1.4 bits
p35 5.7 bits
... ----| p35-p10 4360092 total 4.3 bits
|---| p35-p10 4360132 total 5.4 bits
... --} p35-(26)-p10 4360114 Gap 3.7 bits
... --| p35-p10 4360114 total 5.4 bits
{---} p35-(21)-p10 4360135 Gap 3.3 bits
|---| p35-p10 4360135 total 4.0 bits
* *4360180 * *4360190 * *4360200 * *4360210 * *4360220 * *4360230 * *4360240 * *4360250
5' a a a a a t g t t c a g a a a a t a a t c c a t g g a a a a t t g t c c g g a g c a c t t a c t a t t t t a a t g g a t t g t t a g t c t t t g c a t g a g c a a 3'
- lys - asn - val - gln - lys - ile - ile - his - gly - lys - leu - ser - gly - ala - leu - thr - ile - leu - met - asp - cys - - -fMet - his - glu - gln -
- -fMet - phe - arg - lys - - -fMet - glu - asn - cys - pro - glu - his - leu - leu - phe - -fMet - ser - lys -
-fMet - leu - val - phe - ala -
... sd
[###> orf 5 codons
sd
... ir
... --------} sd-(5)-ir 4360175 Gap 5.4 bits
p35 4.3 bits
p10 5.6 bits
{---------------------------------} sd-(16)-ir 4360244 Gap 6.4 bits
... --------| sd-ir 4360175 cadC_pheU+ total 5.6 bits
|---------------------------------| sd-ir 4360244 cadC_pheU+ total 6.1 bits
ir cadC_pheU+
p10 5.2 bits
p35 6.2 bits
... -------------------------------} p35-(23)-p10 4360186 Gap 1.4 bits
{-------------------- ... p35-(21)-p10 4360262 Gap
... -------------------------------| p35-p10 4360186 total 9.2 bits
|-------------------- ... p35-p10 4360262 total 7.9
p10 4.6 bits
{---} p35-(21)-p10 4360216 Gap 3.3 bits
|---| p35-p10 4360216 total 6.7 bits
{---} p35-(24)-p10 4360219 Gap 2.4 bits
|---| p35-p10 4360219 total 7.1 bits
* *4360260 * *4360270 * *4360280 * *4360290 * *4360300 * *4360310 * *4360320 * *4360330
5' g c g a a c t g a t a c a t t t c t c t t t g t t c t c a t t c a g a a a a t c t c a t c a g t c g c c g t t c a g a c c g g t g t t g t g c t t t a t g g a t g 3'
- ala - asn -fMet -
- arg - thr - asp - thr - phe - leu - phe - val - leu - ile - gln - lys - ile - ser - ser - val - ala - val - gln - thr - gly - val - val - leu - tyr - gly - cys -
- - - - - - -fMet - phe - ser - phe - arg - lys - ser - his - gln - ser - pro - phe - arg - pro - val - leu - cys - phe - met - asp - ala -
... ir cadC_pheU+
p10 5.1 bits
... --------------------} p35-(21)-p10 4360262 Gap 3.3 bits
... --------------------| p35-p10 4360262 total 7.9 bits


*4360340 *4360350 *4360360 *4360370 *4360380 *4360390 *4360400 *4360410
5' c g t t a c g c t c c t g a t g a c g t c a t t t g a c g t t c a a c a g c a t c a c g g g g c c g c a c g a c a t t t c a c g t c a g t t a g t g c t a t a g c 3'
- arg - tyr - ala - pro - asp - asp - val - ile -
- val - thr - leu - leu - met - thr - ser - phe - asp - val - gln - gln - his - his - gly - ala - ala - arg - his - phe - thr - ser - val - ser - ala - ile - ala -
- leu - arg - ser -
-fMet - thr - phe - asn - ser - ile - thr - gly - pro - his - asp - ile - ser - arg - gln - leu - val - leu -
*4360420 *4360430 *4360440 *4360450 *4360460 *4360470 *4360480 *4360490
5' t c a g g a a c a a a t t t t c c c g a a t t g g g a t a t g c c c g c a a a t t g c t g g t g a t g t g g g g a g a a t c t g g t t g a g t t c g g t a g a a t 3'
-fMet - gly - tyr - ala - arg - lys - leu - leu - val - met - trp - gly - glu - ser - gly -
- gln - glu - gln - ile - phe - pro - asn - trp - asp - met - pro - ala - asn - cys - trp -
-fMet - gly - arg - ile - trp - leu - ser - ser - val - glu - leu -
p35 3.8 bits
[###> orf 73 codons
... p35
p10 2.8 bits
{----------} p35-(23)-p10 4360450 Gap 1.4 bits
|----------| p35-p10 4360450 total 5.2 bits
*4360500 *4360510 *4360520 *4360530 *4360540 *4360550 *4360560 *4360570 *
5' t g a t t t g g a g g c a g a a c g c t t a a a t c g t g g c g t c c t g a a a c g a a a a a c g g a c c t c c g t g g a g g t c c g t t t a t a t g a a t t t g 3'
-fMet - asn - leu -
-fMet - glu - ala - glu - arg - leu - asn - arg - gly - val - leu - lys - arg - lys - thr - asp - leu - arg - gly - gly - pro - phe - ile -
- ile - trp - arg - gln - asn - ala -
-fMet - ala - ser -
-fMet - glu - val - arg - leu - tyr - glu - phe - gly -
... p35 5.7 bits
p10 0.1 bits
{----------} p35-(23)-p10 4360518 Gap 1.4 bits
|----------| p35-p10 4360518 total 4.3 bits
*4360580 *4360590
5' g t g c c c g g a c t c g g a a t c 3'
- val - pro - gly - leu - gly - ile -
- ala - arg - thr - arg - asn -