

piece 1, NC_000913, cadC_pheU-, config: linear, direction: -, begin: 4360603, end: 4359938

*4360600 * *4360590 * *4360580 * *4360570 * *4360560 * *4360550 * *4360540 * *4360530 *

5' t c c t t g g t t c g a t t c c g a g t c c g g g c a c c a a a t t c a t a t a a c g g a c c t c c a c g g a g g t c c g t t t t c g t t t c a g g a c g c c 3'

- ser - leu - val - arg - phe - arg - val - arg - ala - pro - asn - ser - tyr - lys - arg - thr - ser - thr - glu - val - arg - phe - ser - phe - gln - asp - ala -

- pro - trp - phe - asp - ser - glu - ser - gly - his - gln - ile - his - ile - ile - asn - gly - pro - pro - arg - arg - ser - val - phe - arg - phe - arg - thr - pro -

- leu - gly - ser - ile - pro - ser - pro - gly - thr - lys - phe - ile

*4360520 * *4360510 * *4360500 * *4360490 * *4360480 * *4360470 * *4360460 * *4360450 *

5' a c g a t t t a a g c g t t c t g c c t c c a a a t t c a a t t c t a c c g a a c t c a a c c a g a t t c t c c c c a c a t c a c c a g c a a t t t t g c g g g c a t 3'

- thr - ile -

- arg - phe - lys - arg - ser - ala - ser - lys - ser - ile - leu - pro - asn - ser - thr - arg - phe - ser - pro - his - his - gln - gln - phe - ala - gly - ile -

- fMet - arg - ala - tyr -

p35 4.7 bits p10 2.2 bits p35 3.4 bits

----- p35-(23)-p10 4360494 Gap 1.4 bits -----

----- p35-p10 4360494 total 5.4 bits -----

----- p35-(22)-p10 4360428 Gap -----

----- p35-p10 4360428 total 4.6 bits -----

*4360440 * *4360430 * *4360420 * *4360410 * *4360400 * *4360390 * *4360380 * *4360370 *

5' a t c c c a a t t c g g g a a a a t t t g t t c c t g a g c t a t a g c a c t a a c t g a c g t g a a a t g t c g t g c g g c c c c g t g a t g c t g t t g a a c 3'

- ser - gln - phe - gly - lys - ile - cys - ser - fMet - phe - leu - ser - tyr - ser - thr - asn - fMet - ser - cys - gly - pro - val - met - leu - leu - asn -

- pro - asn - ser - gly - lys - phe - val - pro - glu - leu - fMet - lys - cys - arg - ala - ala - pro - fMet - arg - pro - arg - asp - ala - val - glu - arg -

p10 3.6 bits

----- p35-(22)-p10 4360428 Gap 2.3 bits -----

----- p35-p10 4360428 total 4.6 bits -----

*4360360 * *4360350 * *4360340 * *4360330 * *4360320 * *4360310 * *4360300 * *4360290 * *4360280 *

5' g t c a a a t g a c g t c a t c a g g a g c g t a a c g c a t c c a t a a a g c a c a a c a c c g g t c t g a a c g g c g a c t g a t g a g a t t t t t c t g a a t 3'

- val - lys - gln - met - thr - ser - ser - gly - ala - fMet - arg - phe - ser - glu -

- fMet - arg - pro - arg - asp - ala - val - glu - arg -

... sd

----- p35-(22)-p10 4360428 Gap 2.3 bits -----

----- p35-p10 4360428 total 4.6 bits -----

*4360270 * *4360260 * *4360250 * *4360240 * *4360230 * *4360220 * *4360210 * *4360200 *

5' g a g a a c a a a g a g a a a t g t a t c a g t t c g c t t g c t c a t g c a a a g a c t a a c a a t c c a t t a a a a t a g t a a g t g c t c c g g a c a a t t 3'

- arg - thr - lys - arg - asn - val - ser - val - arg - leu - leu - met - gln - arg - leu - thr - ile - his - fMet - leu - arg - thr - ile -

- fMet - tyr - gln - phe - ala - cys - ser - cys - lys - asp -

sd [###] orf 11 codons

ir cadC_pheU- p10 7.6 bits p35 3.0 bits

----- sd-(11)-ir 4360194 Gap -----

----- sd-ir 4360265 cadC_pheU- total 7.0 bits -----

----- p35-(21)-p10 4360223 Gap 3.3 bits -----

----- p35-p10 4360223 total 7.3 bits -----

----- sd-(11)-ir 4360194 cadC_pheU- -----

*4360190 * *4360180 * *4360170 * *4360160 * *4360150 * *4360140 * *4360130 * *4360120 *

5' t t c c a t g g a t t a t t t t t c g a a c a t t t t t c t t t g g c a a a g a t g a t g a a t t t t g a t g g t a a g g a a t a t t a c t t c t g g t t c t c a 3'

- phe - his - gly - leu - phe - ser - glu - his - phe - ser - leu - ala - lys - met - met - asn - phe - asp - gly - lys - glu - tyr - tyr - phe - trp - phe - ser -

- fMet - asp - tyr - phe - leu - asn - ile - phe - leu - trp - gln - arg - fMet - met - val - arg - asn - ile - thr - ser - gly - ser - gln -

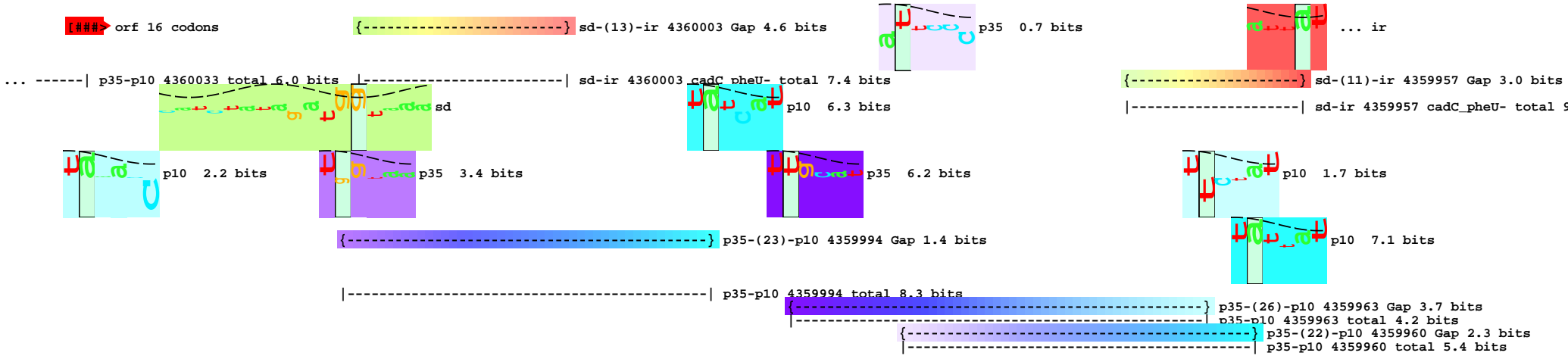
sd [###] orf 13 codons

p35 5.2 bits p10 2.3 bits ir cadC_pheU- p35 1.3 bits p35 0.2 bits

----- sd-(11)-ir 4360194 Gap 3.0 bits -----

----- p35-(23)-p10 4360099 Gap -----





*4359950 *4359940
 5' g c a a c a a c c t g t a g t t c g 3'
 - ala - thr - thr - cys - ser - ser -
 - glu - glu - pro - val - val -
 - asn - asn - leu - - -
 ... NC_000913.cadC
 ir cadC_pheU-