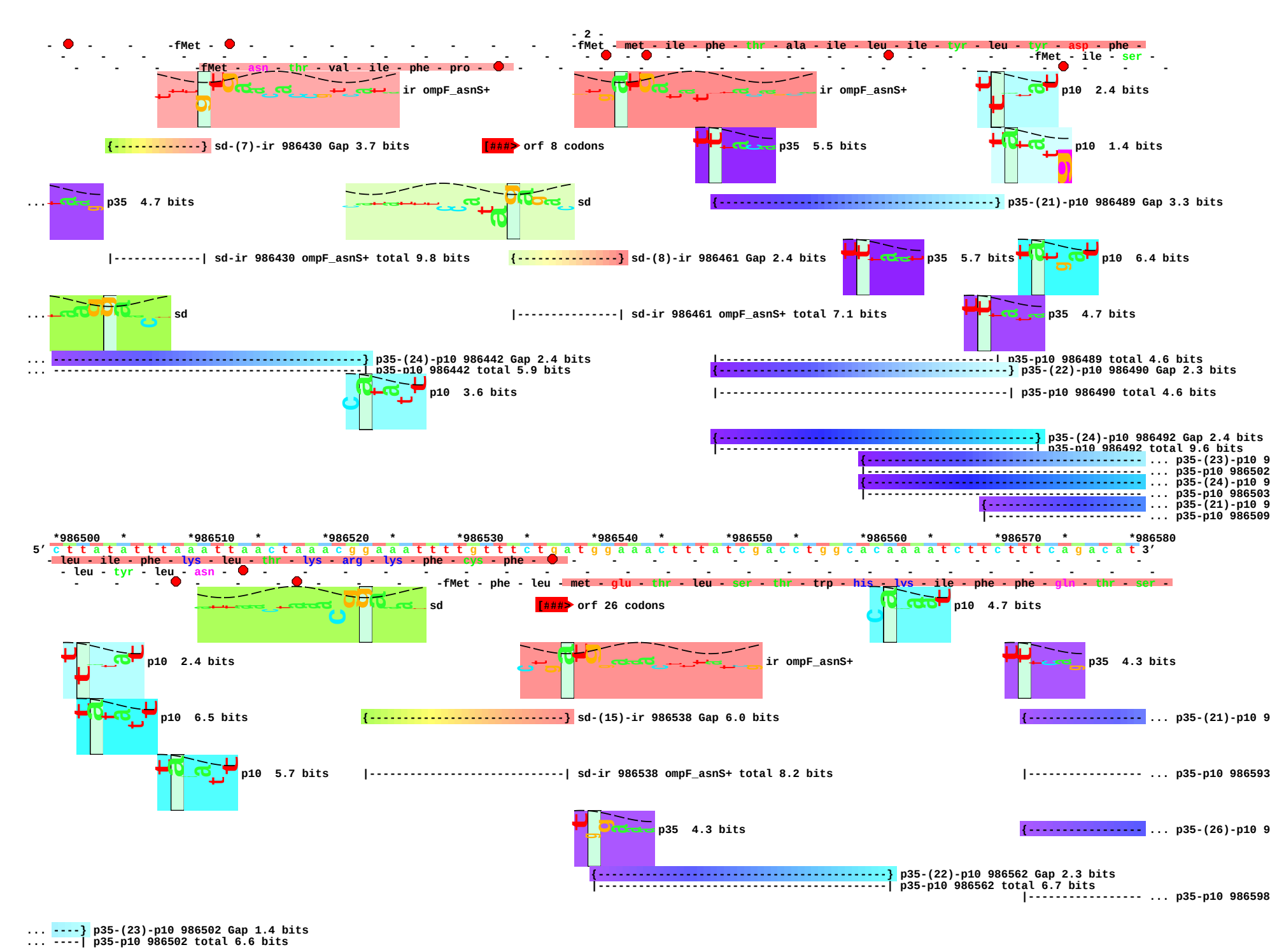
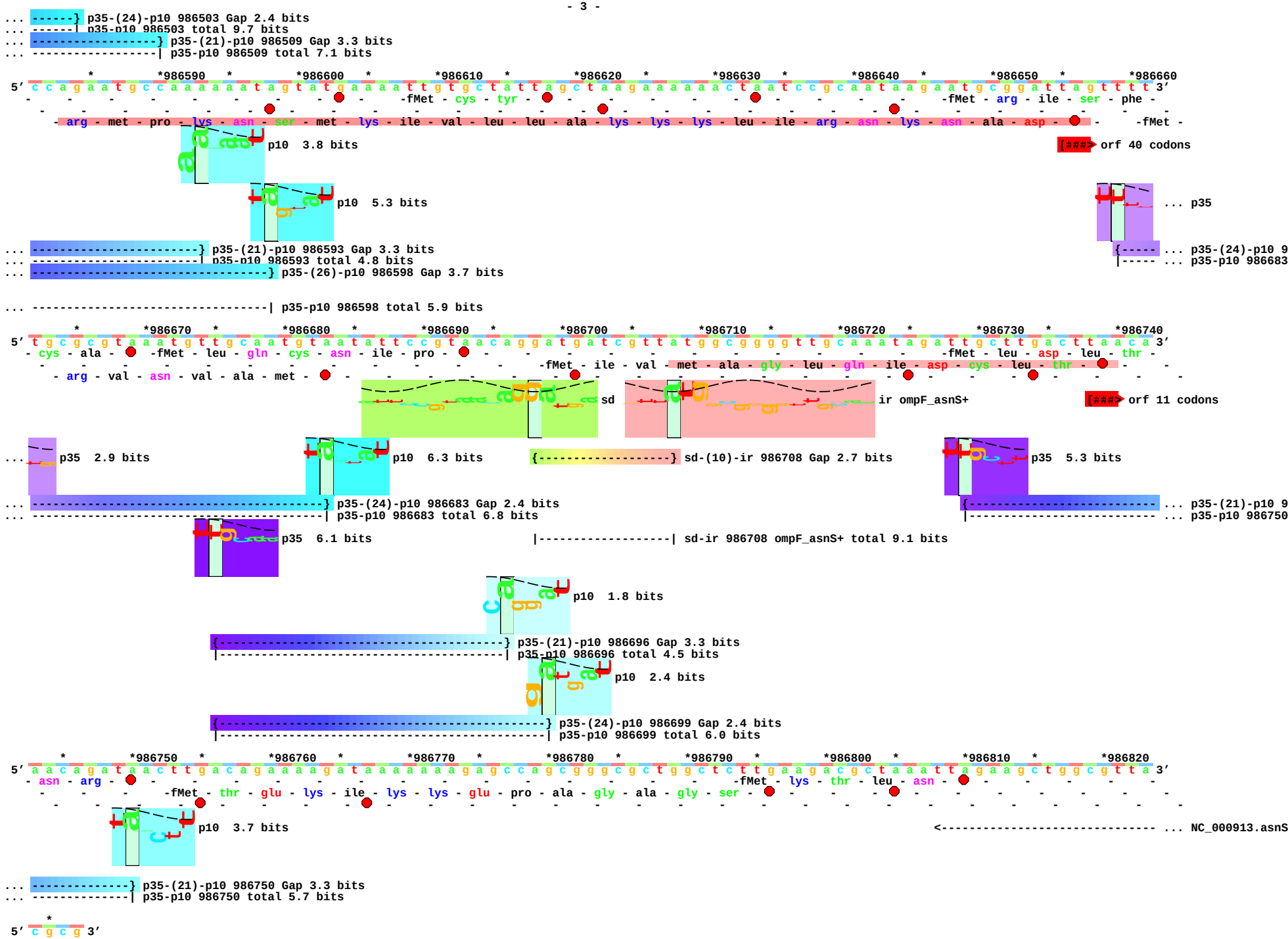
piece 1, NC_000913, ompF_asnS+, config: linear, direction: +, begin: 986176, end: 986827
*986180 *986190 *986200 *986210 *986220 *986230 *986240 *986250
5′ g a t c a c t g c c a g a a t a t t g c g c t t c a t c a t t a t t t a t t a c c c t c a t g g t t t t t t t a t g a c a c c t g c c a c t g c c g t c a a t a 3′
- asp - his - cys - gln - asn - ile - ala - leu - his - his - tyr - leu - leu - pro - ser - trp - phe - phe - leu -
- ile - thr - ala - arg - ile - leu - arg - phe - ile - ile - ile - tyr - tyr - pro - his - gly - phe - phe - tyr - asp - thr - cys - his - cys - arg - gln -
- ser - leu - pro - glu - tyr - cys - ala - ser - ser - leu - phe - ile - thr - leu - met - val - phe - phe - met - thr - pro - ala - thr - ala - val - asn - lys -
... ----------] NC_000913.ompF
ir ompF_asnS+
... p10
sd
p10 2.2 bits
p35 4.8 bits
{----------} sd-(9)-ir 986232 Gap 2.3 bits
|----------| sd-ir 986232 ompF_asnS+ total 7.9 bits
{----------} p35-(23)-p10 986232 Gap 1.4 bits
|----------| p35-p10 986232 total 5.5 bits
p35 3.3 bits
{----------} p35-(23)-p10 986256 Gap
|----------| p35-p10 986256 total 5.
*986260 *986270 *986280 *986290 *986300 *986310 *986320 *986330
5′ a g t t c t g t c a a t a a a a a t t t a c g g a a c t a t t g a t g a g a g t t t g g t g t c t t t a t g t g t c t g c a g g c a t c t t t c c a t t c a a a c 3′
-fMet - cys - leu - gln - ala - ser - phe - his - ser - asn -
-fMet - val - ser - leu - cys - val - cys - arg - his - leu - ser - ile - gln - thr -
phe - cys - gln - -fMet - met - arg - val - trp - cys - leu - tyr - val - ser - ala - gly - ile - phe - pro - phe - lys - leu -
... p10 3.8 bits [###> orf 13 codons
ir ompF_asnS+
p35 5.2 bits
sd
{---------- ... p35-(24)-p10 98635
{----------} sd-(9)-ir 986289 Gap 2.3 bits
|----------| sd-ir 986289 ompF_asnS+ total 7.4 bits
|---------- ... p35-p10 986350 tot
*986340 *986350 *986360 *986370 *986380 *986390 *986400 *986410
5′ t a a c g t t t c g c t a c c g t g a a a g t g c t a c a a a a g a t a a a g a t t t g g t t t c a a a a a g a a a a a a a t a t g t a a c c a a a a g t a a a a t t 3′
-fMet - lys - val - leu - gln - arg -
-fMet - val - ser - lys - arg - lys - asn - met -
asn - val - ser - leu - pro -
thr - phe - arg - tyr - arg - glu - ser - ala - thr - lys - ile - lys - ile - trp - phe - gln - lys - glu - lys - ile - cys - asn - gln - lys -
p10 2.4 bits
sd
[###> orf 2 codons
[###> orf 42 codons
... ----------} p35-(24)-p10 986350 Gap 2.4 bits
ir ompF_asnS+
... ----------| p35-p10 986350 total 5.1 bits
{----------} sd-(8)-ir 986399 Gap 2.4 bits
... p35
|----------| sd-ir 986399 ompF_asnS+ total 11.9 bits
... sd
{- ... p35-(24)-p10 98644
|- ... p35-p10 986442 tot
*986420 *986430 *986440 *986450 *986460 *986470 *986480 *986490
5′ t a a g g a a c t t t g t g a a c a c c g t c a t a t t t c c a t a g a g a c g t g a t g a t a t t t a c a g c a a t t t t a a t c t a t t t a t a g a t t t c 3′


-fMet - asn - thr - val - ile - phe - pro -
ir ompF_asnS+
{----------} sd-(7)-ir 986430 Gap 3.7 bits
[###> orf 8 codons
p35 4.7 bits
sd
|----------| sd-ir 986430 ompF_asnS+ total 9.8 bits
sd
{----------} p35-(24)-p10 986442 Gap 2.4 bits
|----------| p35-p10 986442 total 5.9 bits
p10 3.6 bits
- 2 -
-fMet - met - ile - phe - thr - ala - ile - leu - ile - tyr - leu - tyr - asp - phe -
ir ompF_asnS+
p35 5.5 bits
{----------} sd-(8)-ir 986461 Gap 2.4 bits
|----------| sd-ir 986461 ompF_asnS+ total 7.1 bits
|----------| p35-p10 986442 total 5.9 bits
-fMet - ile - ser -
p10 2.4 bits
p10 1.4 bits
p35 5.7 bits
p10 6.4 bits
p35 4.7 bits
{----------} p35-(21)-p10 986489 Gap 3.3 bits
|----------| p35-p10 986489 total 4.6 bits
{----------} p35-(22)-p10 986490 Gap 2.3 bits
|----------| p35-p10 986490 total 4.6 bits
{----------} p35-(24)-p10 986492 Gap 2.4 bits
|----------| p35-p10 986492 total 9.6 bits
{---------- ... p35-(23)-p10 9
|---------- ... p35-p10 986502
{---------- ... p35-(24)-p10 9
|---------- ... p35-p10 986503
{---------- ... p35-(21)-p10 9
|---------- ... p35-p10 986509
*986500 *986510 *986520 *986530 *986540 *986550 *986560 *986570 *986580
5' c t t a t a t t t a a a t t a a c t a a a c g g a a a t t t t g t t t c t g a t g g a a a c t t t a t c g a c c t g g c a c a a a a t c t t c t t t c a g a c a t 3'
- leu - ile - phe - lys - leu - thr - lys - arg - lys - phe - cys - phe -
- leu - tyr - leu - asn -
-fMet - phe - leu - met - glu - thr - leu - ser - thr - trp - his - lys - ile - phe - phe - gln - thr - ser -
sd
[###> orf 26 codons
p10 4.7 bits
p10 2.4 bits
ir ompF_asnS+
p35 4.3 bits
p10 6.5 bits
{----------} sd-(15)-ir 986538 Gap 6.0 bits
{---------- ... p35-(21)-p10 9
p10 5.7 bits
|----------| sd-ir 986538 ompF_asnS+ total 8.2 bits
|---------- ... p35-p10 986593
p35 4.3 bits
{---------- ... p35-(26)-p10 9
{----------} p35-(22)-p10 986562 Gap 2.3 bits
|----------| p35-p10 986562 total 6.7 bits
|---------- ... p35-p10 986598
{----} p35-(23)-p10 986502 Gap 1.4 bits
|----| p35-p10 986502 total 6.6 bits


... ------} p35-(24)-p10 986503 Gap 2.4 bits
... ------| p35-p10 986503 total 9.7 bits
... ----------} p35-(21)-p10 986509 Gap 3.3 bits
... ----------| p35-p10 986509 total 7.1 bits
*986590 *986600 *986610 *986620 *986630 *986640 *986650 *986660
5' c c a g a a t g c c a a a a a a t a g t a t g a a a a t t g t g c t a t t a g c t a a g a a a a a a a c t a a t c c g c a a t a a g a a t g c g g a t t a g t t t t 3'
-fMet - cys - tyr - -fMet - arg - ile - ser - phe -
- arg - met - pro - lys - asn - ser - met - lys - ile - val - leu - leu - ala - lys - lys - lys - leu - ile - arg - asn - lys - asn - ala - asp - -fMet -
p10 3.8 bits
[###> orf 40 codons
p10 5.3 bits
... p35
... ----------} p35-(21)-p10 986593 Gap 3.3 bits
... ----------| p35-p10 986593 total 4.8 bits
... ----------} p35-(26)-p10 986598 Gap 3.7 bits
{----- ... p35-(24)-p10 9
|----- ... p35-p10 986683
... ----------| p35-p10 986598 total 5.9 bits
*986670 *986680 *986690 *986700 *986710 *986720 *986730 *986740
5' t g c g c g t a a a t g t t g c a a t g t a a t a t t c c g t a a c a g g a t g a t c g t t a t g g c g g g g t t g c a a a t a g a t t g c t t g a c t t a a c a 3'
- cys - ala - -fMet - leu - gln - cys - asn - ile - pro - -fMet - leu - asp - leu - thr -
-fMet - ile - val - met - ala - gly - leu - gln - ile - asp - cys - leu - thr -
- arg - val - asn - val - ala - met -
sd
ir ompF_asnS+
[###> orf 11 codons
... p35 2.9 bits
p10 6.3 bits
{----------} sd-(10)-ir 986708 Gap 2.7 bits
p35 5.3 bits
... ----------} p35-(24)-p10 986683 Gap 2.4 bits
... ----------| p35-p10 986683 total 6.8 bits
{---------- ... p35-(21)-p10 9
|---------- ... p35-p10 986750
p35 6.1 bits
|----------| sd-ir 986708 ompF_asnS+ total 9.1 bits
p10 1.8 bits
{----------} p35-(21)-p10 986696 Gap 3.3 bits
|----------| p35-p10 986696 total 4.5 bits
p10 2.4 bits
{----------} p35-(24)-p10 986699 Gap 2.4 bits
|----------| p35-p10 986699 total 6.0 bits
*986750 *986760 *986770 *986780 *986790 *986800 *986810 *986820
5' a a c a g a t a a c t t g a c a g a a a a g a t a a a a a a a g a g c c a g c g g g c g c t g g c t c t t g a a g a c g c t a a a t t a g a a g c t g g c g t t a 3'
- asn - arg - -fMet - lys - thr - leu - asn -
-fMet - thr - glu - lys - ile - lys - lys - glu - pro - ala - gly - ala - gly - ser -
p10 3.7 bits
<---------- ... NC_000913.asnS
... ----------} p35-(21)-p10 986750 Gap 3.3 bits
... ----------| p35-p10 986750 total 5.7 bits
*
5' c g c g 3'
-

- -
-
... -------- ... NC_000913.asnS