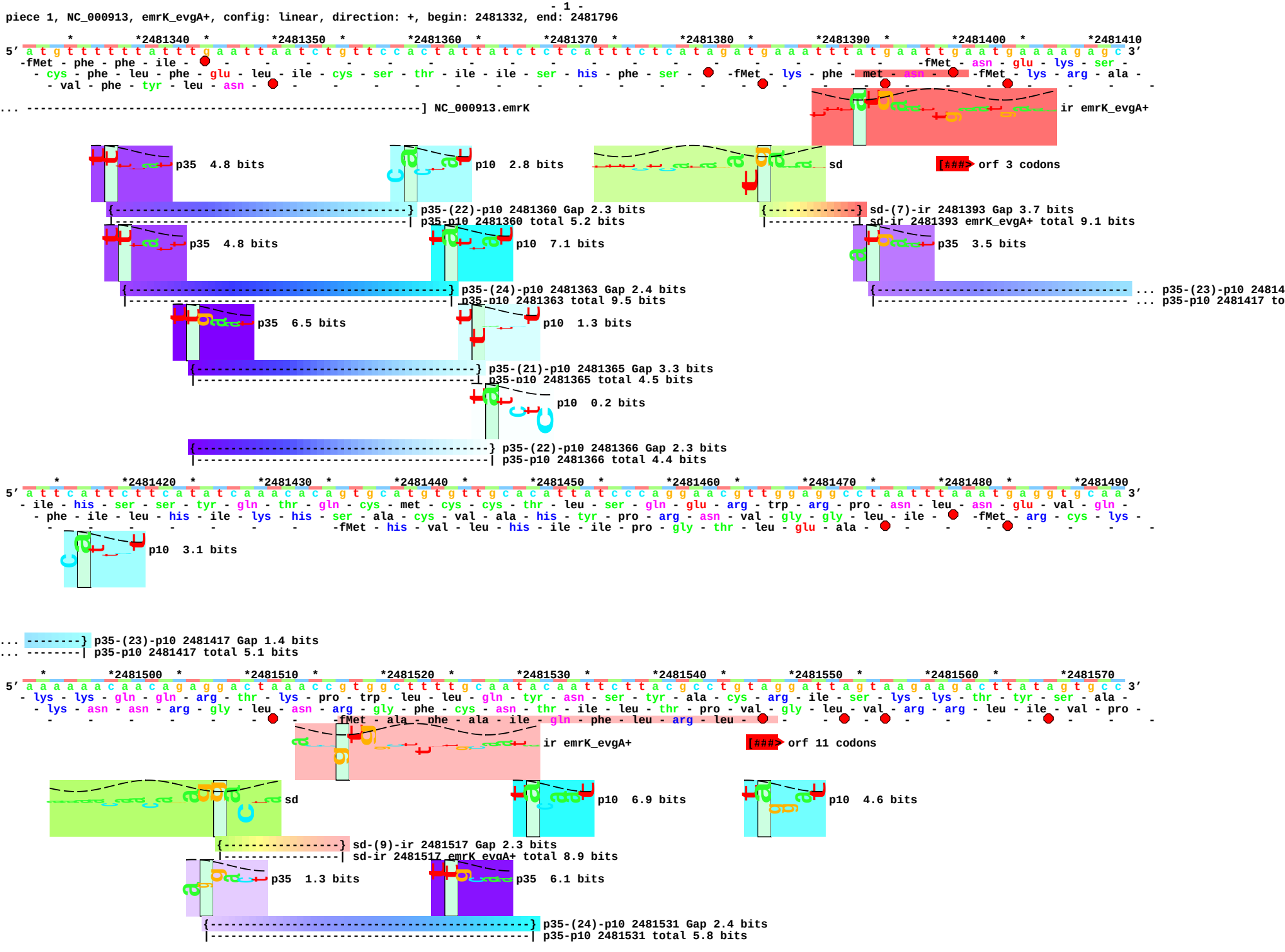
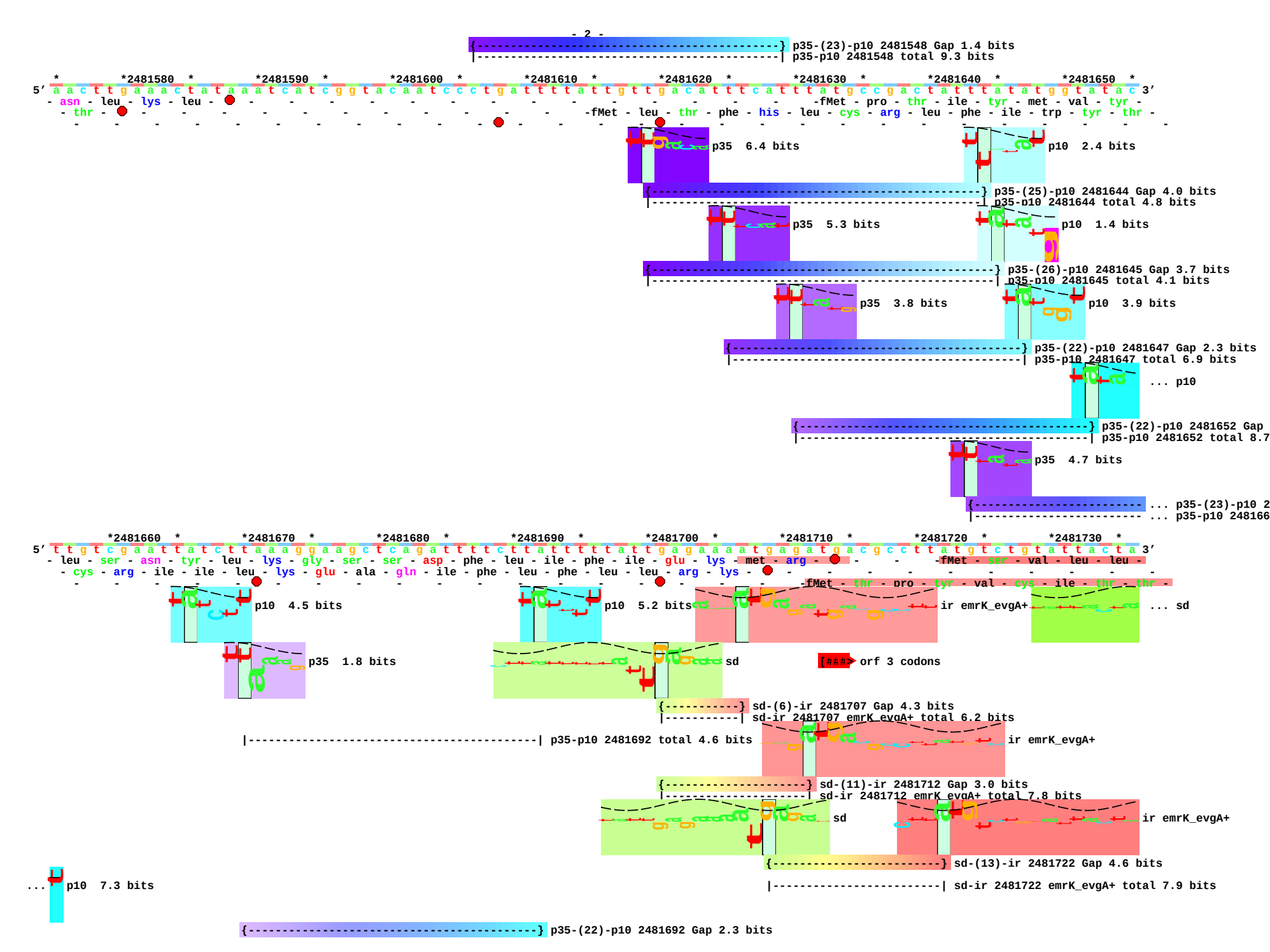
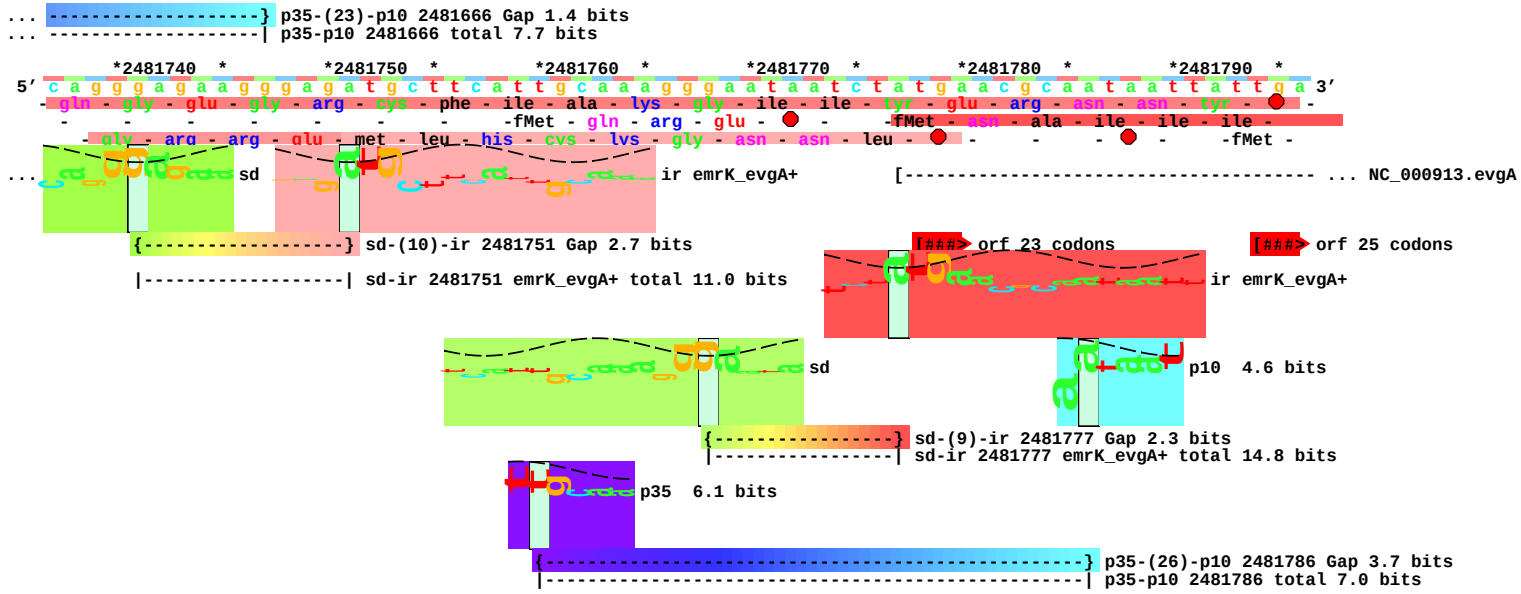

piece 1, NC_000913, emrK_evgA+, config: linear, direction: +, begin: 2481332, end: 2481796
*2481340 *2481350 *2481360 *2481370 *2481380 *2481390 *2481400 *2481410
5′ a t g t t t t t a t t t g a a t t a a t c t g t t c c a c t a t t a t c t c t c a t t t c t c a t a g a t g a a a t t t a t g a a t t g a a t g a a a a g a g c 3′
-fMet - phe - phe - ile - fMet - asn - glu - lys - ser -
- cys - phe - leu - phe - glu - leu - ile - cys - ser - thr - ile - ile - ser - his - phe - ser - fMet - lys - phe - met - asn - fMet - lys - arg - ala -
- val - phe - tyr - leu - asn -
...] NC_000913.emrK
ir emrK_evgA+
p35 4.8 bits
p10 2.8 bits
sd
[###> orf 3 codons
} p35-(22)-p10 2481360 Gap 2.3 bits
| p35-p10 2481360 total 5.2 bits
} sd-(7)-ir 2481393 Gap 3.7 bits
| sd-ir 2481393 emrK_evgA+ total 9.1 bits
p35 4.8 bits
p10 7.1 bits
p35 3.5 bits
} p35-(24)-p10 2481363 Gap 2.4 bits
| p35-p10 2481363 total 9.5 bits
... p35-(23)-p10 24814
... p35-p10 2481417 to
p35 6.5 bits
p10 1.3 bits
} p35-(21)-p10 2481365 Gap 3.3 bits
| p35-p10 2481365 total 4.5 bits
p10 0.2 bits
} p35-(22)-p10 2481366 Gap 2.3 bits
| p35-p10 2481366 total 4.4 bits
*2481420 *2481430 *2481440 *2481450 *2481460 *2481470 *2481480 *2481490
5′ a t t c a t t c t t c a t a t c a a a c a c a g t g c a t g t g t t g c a c a t t a t c c c a g g a a c g t t g g a g g c c t a a t t t a a a t g a g g t g c a a 3′
- ile - his - ser - ser - tyr - gln - thr - gln - cys - met - cys - cys - thr - leu - ser - gln - glu - arg - trp - arg - pro - asn - leu - asn - glu - val - gln -
- phe - ile - leu - his - ile - lys - his - ser - ala - cys - val - ala - his - tyr - pro - arg - asn - val - gly - gly - leu - ile - fMet - arg - cys - lys -
fMet - his - val - leu - his - ile - ile - pro - gly - thr - leu - glu - ala -
p10 3.1 bits
... } p35-(23)-p10 2481417 Gap 1.4 bits
... | p35-p10 2481417 total 5.1 bits
*2481500 *2481510 *2481520 *2481530 *2481540 *2481550 *2481560 *2481570
5′ a a a a a a c a a c a g a g g a c t a a a c c g t g g c t t t t g c a a t a c a a t t c t t a c g c c t g t a g g a t t a g t a a g a a g a c t t a t a g t g c c 3′
- lys - lys - gln - gln - arg - thr - lys - pro - trp - leu - leu - gln - tyr - asn - ser - tyr - ala - cys - arg - ile - ser - lys - lys - thr - tyr - ser - ala -
- lys - asn - asn - arg - gly - leu - asn - arg - gly - phe - cys - asn - thr - ile - leu - thr - pro - val - gly - leu - val - arg - arg - leu - ile - val - pro -
fMet - ala - phe - ala - ile - gln - phe - leu - arg - leu -
ir emrK_evgA+
[###> orf 11 codons
sd
p10 6.9 bits
p10 4.6 bits
} sd-(9)-ir 2481517 Gap 2.3 bits
| sd-ir 2481517 emrK_evgA+ total 8.9 bits
p35 1.3 bits
p35 6.1 bits
} p35-(24)-p10 2481531 Gap 2.4 bits
| p35-p10 2481531 total 5.8 bits


- 2 -
{----------} p35-(23)-p10 2481548 Gap 1.4 bits
|----------| p35-p10 2481548 total 9.3 bits
*2481580 *2481590 *2481600 *2481610 *2481620 *2481630 *2481640 *2481650 *
5′ a a c t t g a a a c t a t a a a t c a t c g g t a c a a t c c c t g a t t t t a t t g t t g a c a t t t c a t t t a t g c c g a c t a t t t a t a t g g t a t a c 3′
- asn - leu - lys - leu - -fMet - pro - thr - ile - tyr - met - val - tyr -
- thr - -fMet - leu - thr - phe - his - leu - cys - arg - leu - phe - ile - trp - tyr - thr -
p35 6.4 bits
p10 2.4 bits
{----------} p35-(25)-p10 2481644 Gap 4.0 bits
|----------| p35-p10 2481644 total 4.8 bits
p35 5.3 bits
p10 1.4 bits
{----------} p35-(26)-p10 2481645 Gap 3.7 bits
|----------| p35-p10 2481645 total 4.1 bits
p35 3.8 bits
p10 3.9 bits
{----------} p35-(22)-p10 2481647 Gap 2.3 bits
|----------| p35-p10 2481647 total 6.9 bits
... p10
{----------} p35-(22)-p10 2481652 Gap
|----------| p35-p10 2481652 total 8.7
p35 4.7 bits
{---------- ... p35-(23)-p10 2
|---------- ... p35-p10 248166
*2481660 *2481670 *2481680 *2481690 *2481700 *2481710 *2481720 *2481730 *
5′ t t g t c g a a t t a t c t t a a a g g a a g c t c a g a t t t t c t t a t t t t t a t t g a g a a a a t g a g a t g a c g c c t t a t g t c t g t a t t a c t a 3′
- leu - ser - asn - tyr - leu - lys - gly - ser - ser - asp - phe - leu - ile - phe - ile - glu - lys - met - arg - -fMet - ser - val - leu - leu -
- cys - arg - ile - ile - leu - lys - glu - ala - gln - ile - phe - leu - phe - leu - leu - arg - lys - -fMet - thr - pro - tyr - val - cys - ile - thr - thr -
p10 4.5 bits
p10 5.2 bits
ir emrK_evgA+
... sd
p35 1.8 bits
sd
[###> orf 3 codons
{----------} sd-(6)-ir 2481707 Gap 4.3 bits
|----------| sd-ir 2481707 emrK_evgA+ total 6.2 bits
|----------| p35-p10 2481692 total 4.6 bits
ir emrK_evgA+
{----------} sd-(11)-ir 2481712 Gap 3.0 bits
|----------| sd-ir 2481712 emrK_evgA+ total 7.8 bits
sd
ir emrK_evgA+
{----------} sd-(13)-ir 2481722 Gap 4.6 bits
... p10 7.3 bits
|----------| sd-ir 2481722 emrK_evgA+ total 7.9 bits
{----------} p35-(22)-p10 2481692 Gap 2.3 bits


... } p35-(23)-p10 2481666 Gap 1.4 bits
... | p35-p10 2481666 total 7.7 bits
*2481740 * *2481750 * *2481760 * *2481770 * *2481780 * *2481790 *
5' c a g g g a g a a g g g a g a t g c t t c a t t g c a a a g g g a a t a a t c t a t g a a c g c a a t a a t t a t t g a 3'
- gln - gly - glu - gly - arg - cys - phe - ile - ala - lys - gly - ile - ile - tyr - glu - arg - asn - asn - tyr -
- - - - - - - -fMet - gln - arg - glu - - - -fMet - asn - ala - ile - ile - ile -
- gly - arg - arg - glu - met - leu - his - cys - lys - gly - asn - asn - leu - - - - -fMet -
... sd ir emrK_evgA+ [---------- ... NC_000913.evgA
{---------} sd-(10)-ir 2481751 Gap 2.7 bits
|---------| sd-ir 2481751 emrK_evgA+ total 11.0 bits
[###> orf 23 codons
[###> orf 25 codons
ir emrK_evgA+
sd
p10 4.6 bits
{---------} sd-(9)-ir 2481777 Gap 2.3 bits
|---------| sd-ir 2481777 emrK_evgA+ total 14.8 bits
p35 6.1 bits
{----------} p35-(26)-p10 2481786 Gap 3.7 bits
|----------| p35-p10 2481786 total 7.0 bits