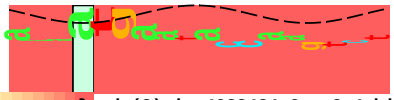
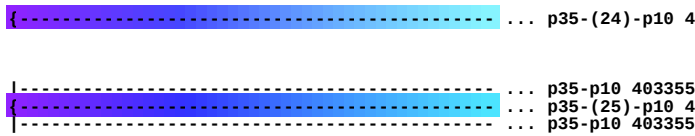
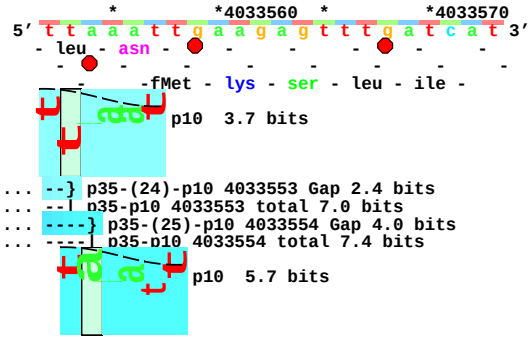
piece 1, NC_000913, hemG_rrsA+, config: linear, direction: +, begin: 4033147, end: 4033573
*4033150 *4033160 *4033170 *4033180 *4033190 *4033200 *4033210 *4033220 *
5′ c a t t t a a c c g a c a a a c c g a c g c t g a a a t a a g c a t a a a g a a t a a a a a a t g c g c g g t c a g a a a a t t a t t t t a a a t t c c t c t t 3′
- his - leu - thr - asp - lys - pro - thr - leu - lys -
- ile -
-fMet - arg - gly - gln - lys - ile - ile - leu - asn - phe - leu - leu -
- phe - asn - arg - gln - thr - asp - ala - glu - ile - ser - ile - lys - asn - lys - lys - cys - ala - val - arg - lys - leu - phe -
ir hemG_rrsA+
... p35
sd
{- ... p35-(22)-p10 40332
{----------} sd-(9)-ir 4033193 Gap 2.3 bits
|----------| sd-ir 4033193 hemG_rrsA+ total 8.2 bits
|- ... p35-p10 4033249 to
*4033230 *4033240 *4033250 *4033260 *4033270 *4033280 *4033290 *4033300 *
5′ g t c a g g c c g g a a t a a c t c c c t a a t g c g c c a c c a c t g a c a c g g a a a c a a c g g c a a a c a c g c c g c c g g g t c a g c g g g g t t c t 3′
-fMet - arg - his - his -
- ser - gly - arg - asn - asn - ser - leu -
... p35 5.5 bits
[###> orf 20 codons
... ----------} p35-(22)-p10 4033249 Gap 2.3 bits
... ----------| p35-p10 4033249 total 11.6 bits
p10 8.4 bits
*4033310 *4033320 *4033330 *4033340 *4033350 *4033360 *4033370 *4033380 *
5′ c c t g a g a a c t c c g g c a g a g a a a g c a a a a a t a a a t g c t t g a c t c t g t a g c g g g a a g g c g t a t t a t g c a c a c c c c g c g c c g c t 3′
-fMet - thr - leu -
-fMet - leu - asp - ser - val - ala - gly - arg - arg - ile - met - his - thr - pro - arg - arg -
sd
ir hemG_rrsA+
p35 6.5 bits
{----------} sd-(11)-ir 4033371 Gap 3.0 bits
[# ... orf
|----------| sd-ir 4033371 hemG_rrsA+ total 5.9 bits
p10 7.1 bits
{----------} p35-(22)-p10 4033368 Gap 2.3 bits
|----------| p35-p10 4033368 total 11.3 bits
*4033390 *4033400 *4033410 *4033420 *4033430 *4033440 *4033450 *4033460 *4033470
5′ g a g a a a a a g c g a a g c g g c a c t g c t c t t t a a c a a t t t a t c a g a c a a t c t g t g t g g g c a c t c g a a g a t a c g g a t t c t t a a c g t 3′
-fMet - trp - ala - leu - glu - asp - thr - asp - ser -
-fMet - gly - thr - arg - arg - tyr - gly - phe - leu - thr - ser -
... sd
... ##> orf 7 codons
*4033480 *4033490 *4033500 *4033510 *4033520 *4033530 *4033540 *4033550
5′ c g c a a g a c g a a a a a t g a a t a c c a a g t c t c a a g a g t g a a c a c g t a a t t c a t t a c g a a g t t t a a t t c t t t g a g c g t c a a a c t t 3′
-fMet - asn - thr -
-fMet - asn - thr - lys - ser - gln - glu -
-fMet - ser - val - lys - leu -
- gln - asp - glu - lys -
... sd
[###> orf 8 codons
p35 5.7 bits


ir hemG_rrsA+
{---------------} sd-(8)-ir 4033484 Gap 2.4 bits
|---------------| sd-ir 4033484 hemG_rrsA+ total 7.1 bits


{---------- ... p35-(24)-p10 4
|---------- ... p35-p10 403355
{---------- ... p35-(25)-p10 4
|---------- ... p35-p10 403355


* *4033560 * *4033570
5′ t t a a a t t g a a g a g t t t g a t c a t 3′
- leu - asn - - - - - - -
- - -fMet - lys - ser - leu - ile -
p10 3.7 bits
... --} p35-(24)-p10 4033553 Gap 2.4 bits
... --| p35-p10 4033553 total 7.0 bits
... ----} p35-(25)-p10 4033554 Gap 4.0 bits
... ----| p35-p10 4033554 total 7.4 bits
p10 5.7 bits