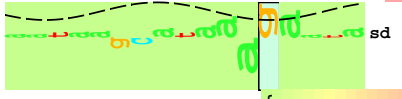
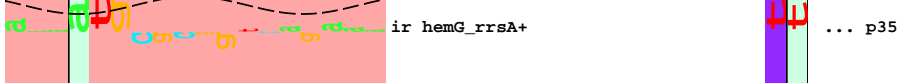


piece 1, NC_000913, hemG_rrsA+, config: linear, direction: +, begin: 4033147, end: 4033573

5' ^{*4033150 *} ^{*4033160 *} ^{*4033170 *} ^{*4033180 *} ^{*4033190 *} ^{*4033200 *} ^{*4033210 *} ^{*4033220 *}
 ca 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 t g c g o g g t c a g a a a t t a t t t t a a a t t t c o c t c t t 3'
 - his - leu - thr - asp - lys - pro - thr - leu - lys - 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 -



{-----} sd-(9)-ir 4033193 Gap 2.3 bits
 {-----} sd-ir 4033193 hemG_rrsA+ total 8.2 bits

{- ... p35-(22)-p10 4033249 Gap

|- ... p35-p10 4033249 total 11.

5' ^{*4033230 *} ^{*4033240 *} ^{*4033250 *} ^{*4033260 *} ^{*4033270 *} ^{*4033280 *} ^{*4033290 *} ^{*4033300 *}
 g t c a g g g c c g g a a t a a c t c c c t a t a a t g c g c c a c c a c t g a c a c g g a a c a a c g g c a a a c a c g c c g c g g g t c a g c g g g g t t c t c t 3'
 - ser - gly - arg - asn - asn - ser - leu - fMet - arg - his - his -

... 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

5' ^{*4033310 *} ^{*4033320 *} ^{*4033330 *} ^{*4033340 *} ^{*4033350 *} ^{*4033360 *} ^{*4033370 *} ^{*4033380 *}
 c c t g a g a a c t c c g g c a g a g 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 g c g c g c t 3'
 - fMet - thr - leu - fMet - leu - asp - ser - val - ala - gly - arg - arg - ile - met - his - thr - pro - arg - arg -



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

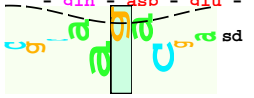
{-----} p35-(22)-p10 4033368 Gap 2.3 bits
 {-----} p35-p10 4033368 total 11.3 bits

5' ^{*4033390 *} ^{*4033400 *} ^{*4033410 *} ^{*4033420 *} ^{*4033430 *} ^{*4033440 *} ^{*4033450 *} ^{*4033460 *} ^{*4033470 *}
 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 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 -



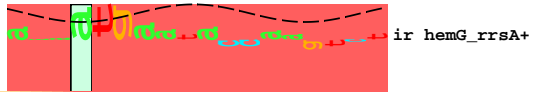
... [##] orf 7 codons

5' ^{*} ^{*4033480 *} ^{*4033490 *} ^{*4033500 *} ^{*4033510 *} ^{*4033520 *} ^{*4033530 *} ^{*4033540 *} ^{*4033550 *}
 c g c a a g a c g 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 - lys - ser - gln - glu - fMet - asn - thr - fMet - ser - val - lys - leu -



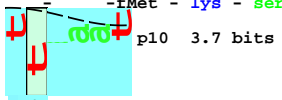
[###] orf 8 codons

p35 5.7 bits

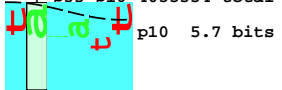


{-----} sd-(8)-ir 4033484 Gap 2.4 bits
 |-----| sd-ir 4033484 hemG_rrsA+ total 7.1 bits

* * * * *
 *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 -



... --} 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



----- ... p35-(24)-p10 4033553 Gap

----- ... p35-p10 4033553 total 7.0
 ----- ... p35-(25)-p10 4033554 Gap
 ----- ... p35-p10 4033554 total 7.4