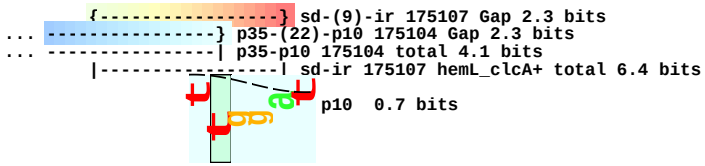
- 1 -
piece 1, NC_000913, hemL_clcA+, config: linear, direction: +, begin: 174853, end: 175126
*174860 *174870 *174880 *174890 *174900 *174910 *174920 *174930
5' t g c g c t g t a a a g a t t t t c a g a c t t a c t c a t g g a g g g t t c c t g a t t c g t a g a a a a a g t g a a t g g c t g c t a t t c t a t g t t a t t 3'
- cys - ala - val - lys - ile - phe - arg - leu - thr - his - gly - gly - phe - leu - ile - arg - arg - lys - ser - glu - trp - leu - leu - phe - tyr - val - ile -
- ala - leu - -fMet - glu - gly - ser - -fMet - asn - gly - cys - tyr - ser - met - leu - phe -
- arg - cys - lys - asp - phe - gln - thr - tyr - ser - trp - arg - val - pro - asp - ser - -fMet - ala - ala - ile - leu - cys - tyr - ser -
...] NC_000913.hemL sd ir hemL_clcA+
{ } sd-(10)-ir 174912 Gap 2.7 bits
| | sd-ir 174912 hemL_clcA+ total 5.3 bits
*174940 *174950 *174960 *174970 *174980 *174990 *175000 *175010
5' c a t a a c a a g t t a a a t a c t c g t c a a a c a t c a g g c t g c t t g t a c t g g t g c a a t c c t g a t t t c t t a g a g t a t a a a a g t t t t g t g 3'
- his - asn - lys - leu - asn - thr - arg - gln - thr - ser - gly - cys - leu - tyr - trp - cys - asn - pro - asp - phe - leu - glu - tyr - lys - ser - phe - val -
- ile - thr - ser - -fMet - gln - ser - -fMet - cys -
[###> orf 9 codons p35 3.5 bits p10 4.1 bits
{ } p35-(24)-p10 174996 Gap 2.4 bits
| | p35-p10 174996 total 5.2 bits
*175020 *175030 *175040 *175050 *175060 *175070 *175080 *175090
5' c a t t t g a a a c a t t a c g c t t t g c a a a g g a t t t t c a t g g a a c g t g c g a g t a a a a t g c c g t c a t c t t a t t t g t a t g a c c a a t a a 3'
- his - leu - lys - his - tyr - ala - leu - gln - arg - ile - phe - met - glu - arg - ala - ser - lys - met - pro - ser - ser - tyr - leu - tyr - asp - gln -
- ile - -fMet - arg - val - lys - cys - arg - his - leu - ile - cys - met - thr - asn - lys -
p35 6.4 bits ir hemL_clcA+ [###> orf 16 codons
sd p10 7.6 bits ... sd
{ } sd-(7)-ir 175048 Gap 3.7 bits p35 5.7 bits
| | sd-ir 175048 hemL_clcA+ total 7.0 bits { } ... p35-(22)-p10 17510
p10 1.1 bits | | ... p35-p10 175104 tot
{ } p35-(23)-p10 175042 Gap 1.4 bits
| | p35-p10 175042 total 6.1 bits
p10 2.4 bits
{ } p35-(26)-p10 175045 Gap 3.7 bits
| | p35-p10 175045 total 5.2 bits
p35 0.5 bits
{ } p35-(23)-p10 175063 Gap 1.4 bits
| | p35-p10 175063 total 6.7 bits
*175100 *175110 *175120
5' g t g a t c a t t g g a t g a a a a c t g a t a c t c c c t c 3'
-fMet - ile - ile - gly - -fMet - asp - glu - asn -
-fMet - lys - thr - asp - thr - pro -
[... NC_000913.clcA
... sd ir hemL_clcA+


{----------} sd-(9)-ir 175107 Gap 2.3 bits
... ----------} p35-(22)-p10 175104 Gap 2.3 bits
... ----------| p35-p10 175104 total 4.1 bits
|----------| sd-ir 175107 hemL_clcA+ total 6.4 bits
p10 0.7 bits