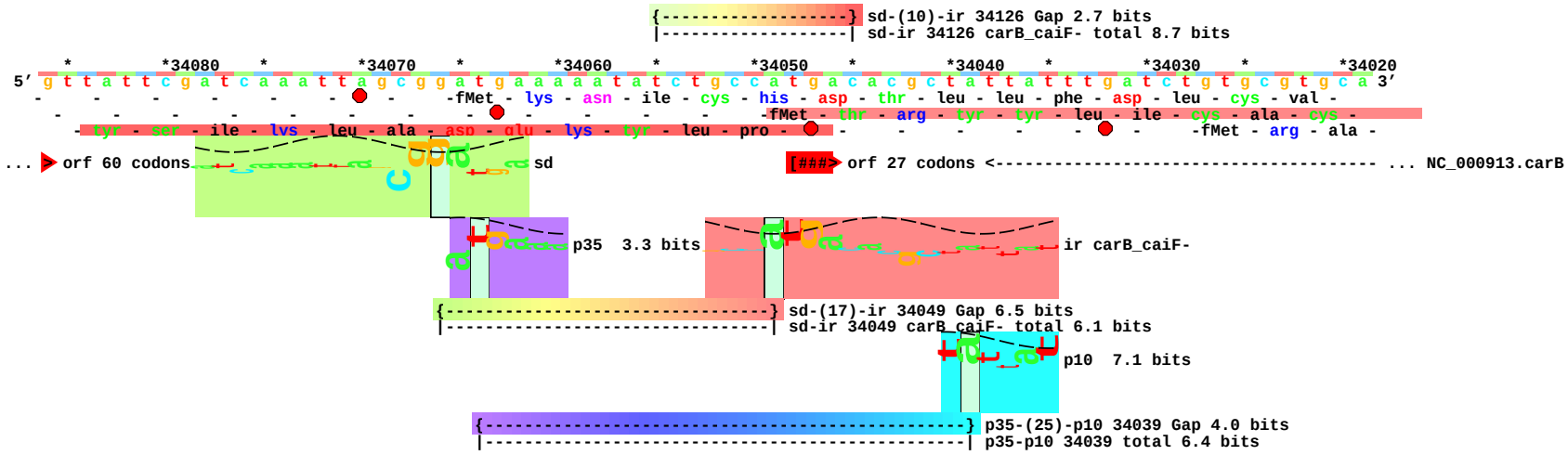
piece 1, NC_000913, carB_caiF-, config: linear, direction: -, begin: 34329, end: 34019
*34320 *34310 *34300 *34290 *34280 *34270 *34260 *34250
5′ g a g t g g t t t t c a a c a t a t c c t t c a c a c a t a c g a a c t c c a g t t t c a c a a a t t a a a a g t c t g g c t a t g a c t c g t t t t g a a g c 3′
- glu - trp - phe - phe - asn - ile - ser - phe - thr - his - thr - asn - ser - ser - phe - thr - asn -
- ser - gly - phe - ser - thr - tyr - pro - ser - his - ile - arg - thr - pro - val - ser - gln - ile - lys - ser - leu - ala - met - thr - arg - phe - glu - ala -
- val - val - phe - gln - his - ile - leu - his - thr - tyr - glu - leu - gln - phe - his - lys - leu - lys - val - trp - leu - -fMet - lys - gln -
...] NC_000913.caiF
ir carB_caiF-
sd
... sd
{ sd-(8)-ir 34265 Gap 2.4 bits
| sd-ir 34265 carB_caiF- total 6.3 bits
p35 2.8 bits
{ ... p35-(22)-p10 34234
| ... p35-p10 34234 tota
p35 5.5 bits
{ ... p35-(25)-p10 34229
| ... p35-p10 34229 tota
*34240 *34230 *34220 *34210 *34200 *34190 *34180 *34170
5′ a a t t a a a c a a g g c c a t a t t a a a a t t g t g g a t a t c g a t a g t a t g c a a c t t c a c c g t c g a t a a g t g t g a g c t a a a t c c t g c 3′
-fMet - gln - leu - his - arg - arg - -fMet -
- ile - lys - gln - gly - his - ile - lys - ile - val - asp - ile - ser - ile - val - cys - asn - phe - thr - val - asp - lys - cys - glu - leu - asn - pro - ala -
- leu - asn - lys - ala - ile - leu - lys - leu - trp - ile - tyr - arg - -fMet - ser -
ir carB_caiF-
[###> orf 7 codons
sd
p10 7.6 bits
ir carB_caiF-
{ sd-(14)-ir 34223 Gap 4.9 bits
| sd-ir 34223 carB_caiF- total 5.8 bits
sd
p10 5.3 bits
... } p35-(22)-p10 34234 Gap 2.3 bits
... | p35-p10 34234 total 4.1 bits
p10 3.6 bits
{ sd-(14)-ir 34206 Gap 4.9 bits
... } p35-(25)-p10 34229 Gap 4.0 bits
... | p35-p10 34229 total 9.1 bits
| sd-ir 34206 carB_caiF- total 8.4 bits
p35 2.5 bits
{ p35-(22)-p10 34209 Gap 2.3 bits
| p35-p10 34209 total 5.4 bits
*34160 *34150 *34140 *34130 *34120 *34110 *34100 *34090
5′ t t a t g t c a t c a a a a a t a t c g a t t c c c c a a a a g a t t t a c t t a a t g g g c a a a a a a a a a a c g g t c c t c a t c a g a g a a c c g t a t t a 3′
- tyr - val - ile - lys - asn - ile - asp - ser - pro - lys - asp - leu - leu - asn - gly - gln - lys - lys - thr - val - leu - ile - arg - glu - pro - tyr -
-fMet - ser - ser - lys - ile - ser - ile - pro - gln - lys - ile - tyr - leu - met - gly - lys - lys - lys - arg - ser - ser - ser - glu - asn - arg - ile - ser -
sd
ir carB_caiF-
[### ... orf


{------------------} sd-(10)-ir 34126 Gap 2.7 bits
|------------------| sd-ir 34126 carB_caiF- total 8.7 bits
*34080 *34070 *34060 *34050 *34040 *34030 *34020
5' g t t a t t c g a t c a a a t t a g c g g a t g a a a a a t a t c t g c c a t g a c a c g c t a t t a t t t g a t c t g t g c g t g c a 3'
-fMet - lys - asn - ile - cys - his - asp - thr - leu - leu - phe - asp - leu - cys - val -
-fMet - thr - arg - tyr - tyr - leu - ile - cys - ala - cys -
- tyr - ser - ile - lys - leu - ala - asp - glu - lys - tyr - leu - pro - -fMet - arg - ala -
... orf 60 codons sd [###> orf 27 codons <---------- ... NC_000913.carB
p35 3.3 bits ir carB_caiF-
{--------------------------------} sd-(17)-ir 34049 Gap 6.5 bits
|--------------------------------| sd-ir 34049 carB_caiF- total 6.1 bits
p10 7.1 bits
{--} p35-(25)-p10 34039 Gap 4.0 bits
|--| p35-p10 34039 total 6.4 bits