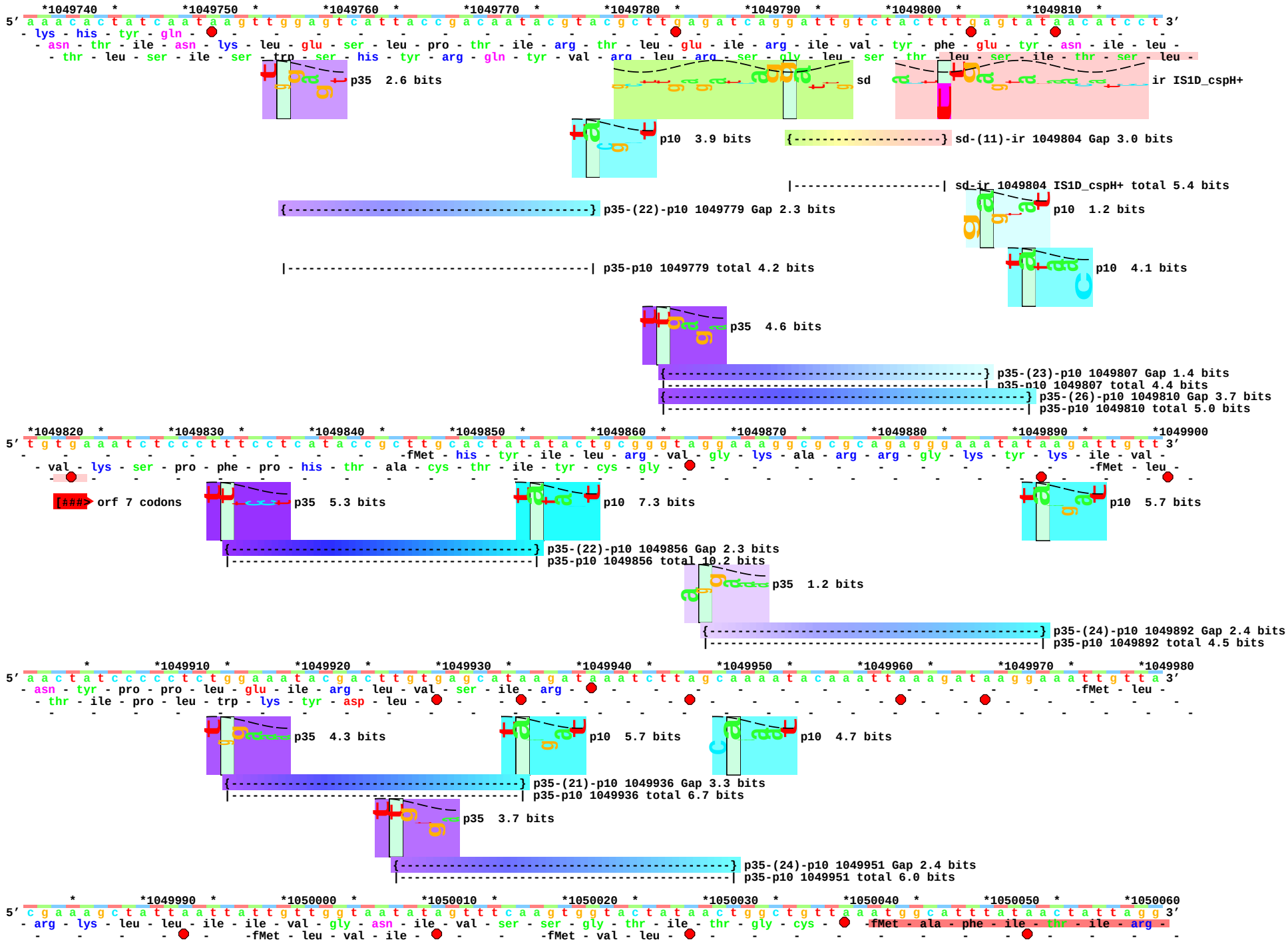
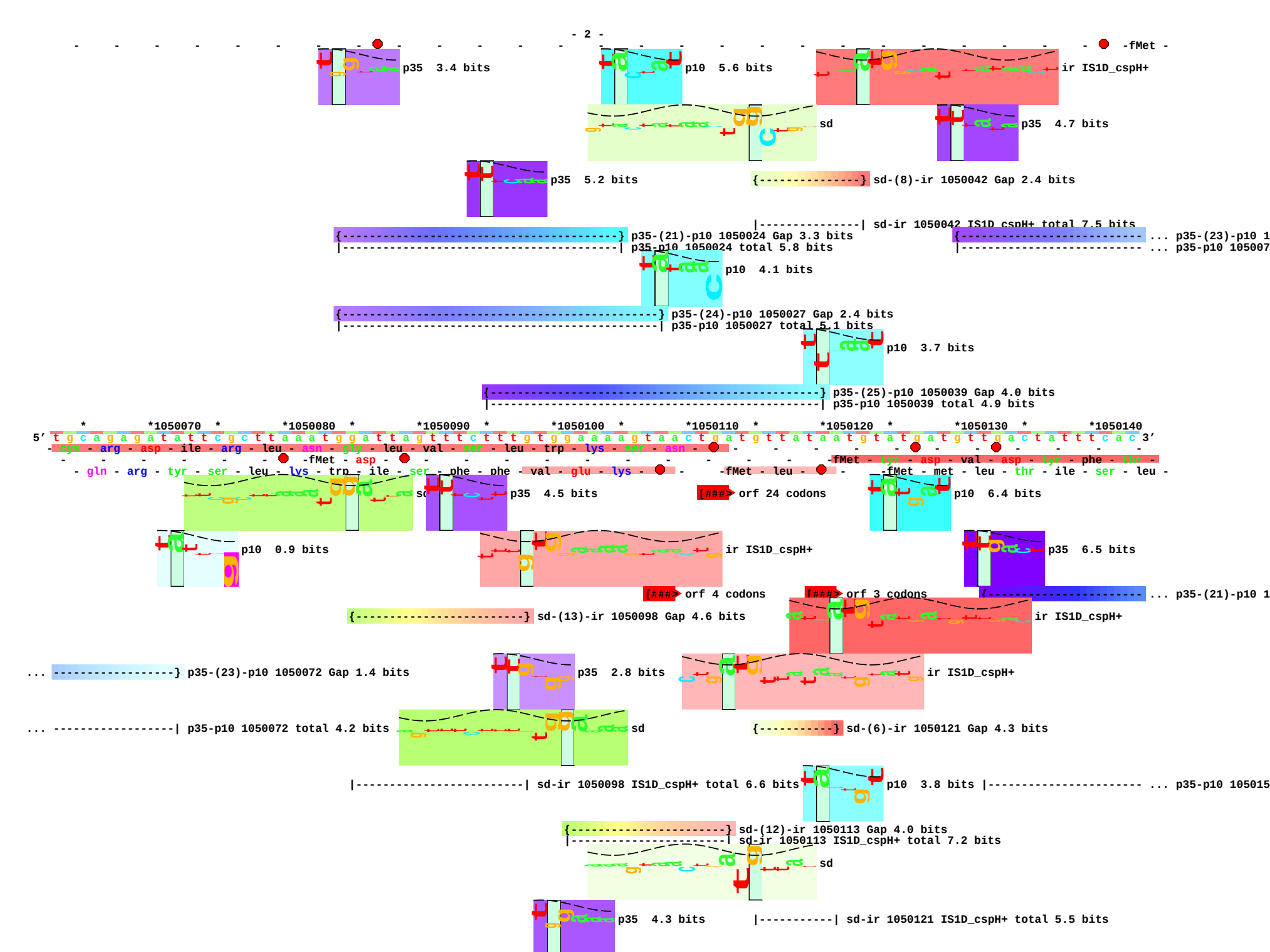
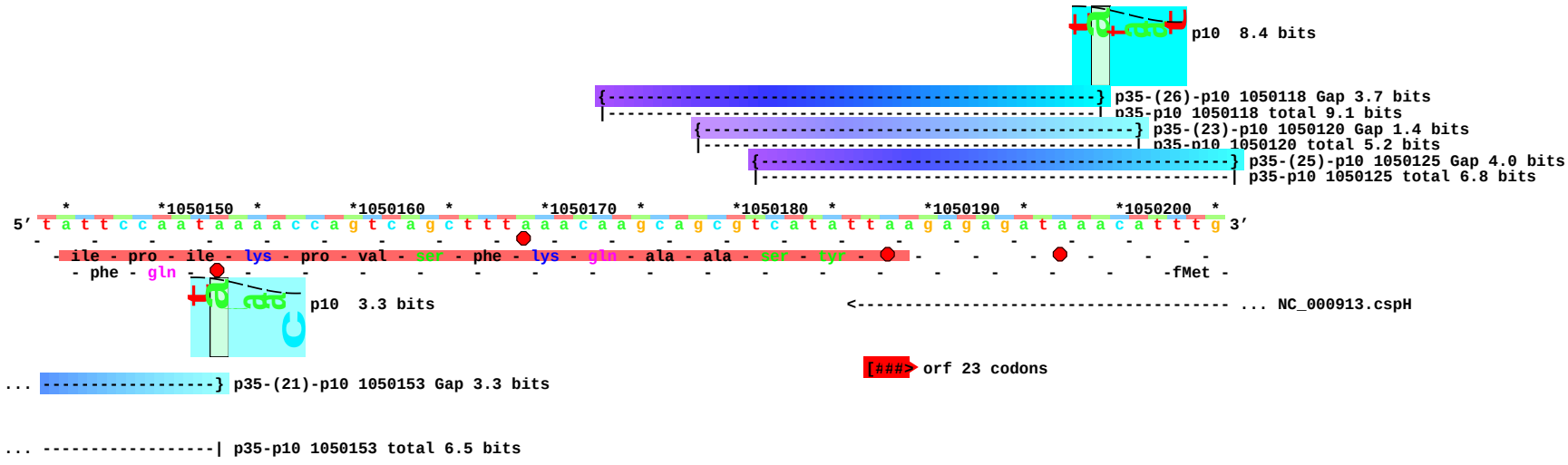
piece 1, NC_000913, IS1D_cspH+, config: linear, direction: +, begin: 1049739, end: 1050205


*1049740 *1049750 *1049760 *1049770 *1049780 *1049790 *1049800 *1049810 *
5' a a a c a c t a t c a a t a a g t t g g a g t c a t t a c c g a c a a t a c g t a c g c t t g a g a t c a g g a t t g t c t a c t t t g a g t a t a a c a t c c t 3'
- lys - his - tyr - gln -
- asn - thr - ile - asn - lys - leu - glu - ser - leu - pro - thr - ile - arg - thr - leu - glu - ile - arg - ile - val - tyr - phe - glu - tyr - asn - ile - leu -
- thr - leu - ser - ile - ser - trp - ser - his - tyr - arg - gln - tyr - val - arg - leu - arg - ser - gly - leu - ser - thr - leu - ser - ile - thr - ser - leu -
p35 2.6 bits
sd
ir IS1D_cspH+
p10 3.9 bits
{----------} sd-(11)-ir 1049804 Gap 3.0 bits
|----------| sd-ir 1049804 IS1D_cspH+ total 5.4 bits
{----------} p35-(22)-p10 1049779 Gap 2.3 bits
p10 1.2 bits
|----------| p35-p10 1049779 total 4.2 bits
p10 4.1 bits
p35 4.6 bits
{----------} p35-(23)-p10 1049807 Gap 1.4 bits
|----------| p35-p10 1049807 total 4.4 bits
{----------} p35-(26)-p10 1049810 Gap 3.7 bits
|----------| p35-p10 1049810 total 5.0 bits
*1049820 *1049830 *1049840 *1049850 *1049860 *1049870 *1049880 *1049890 *1049900
5' t g t g a a a t c t c c c t t t c c t c a t a c c g c t t g c a c t a t a t a c t g c g g g t a g g a a a g g c g c g c a g a g g g a a a t a t a a g a t t g t t 3'
- -fMet - his - tyr - ile - leu - arg - val - gly - lys - ala - arg - arg - gly - lys - tyr - lys - ile - val -
- val - lys - ser - pro - phe - pro - his - thr - ala - cys - thr - ile - tyr - cys - gly - - - - - - - - - - - - - - - - - - -


- 2 -
-fMet -
p35 3.4 bits
p10 5.6 bits
ir IS1D_cspH+
sd
p35 4.7 bits
p35 5.2 bits
{----------} sd-(8)-ir 1050042 Gap 2.4 bits
|----------| sd-ir 1050042 IS1D_cspH+ total 7.5 bits
{----------} p35-(21)-p10 1050024 Gap 3.3 bits
|----------| p35-p10 1050024 total 5.8 bits
... p35-(23)-p10 1
... p35-p10 105007
p10 4.1 bits
{----------} p35-(24)-p10 1050027 Gap 2.4 bits
|----------| p35-p10 1050027 total 5.1 bits
p10 3.7 bits
{----------} p35-(25)-p10 1050039 Gap 4.0 bits
|----------| p35-p10 1050039 total 4.9 bits
*1050070
*1050080
*1050090
*1050100
*1050110
*1050120
*1050130
*1050140
5′ t g c a g a g a t a t t c g c t t a a a t g g a t t a g t t t c t t t g t g g a a a a g t a a c t g a t g t t a t a a t g t a t g a t g t t g a c t a t t t c a c 3′
- cys - arg - asp - ile - arg - leu - asn - gly - leu - val - ser - leu - trp - lys - ser - asn -
-fMet - asp -
-fMet - tyr - asp - val - asp - tyr - phe - thr -
- gln - arg - tyr - ser - leu - lys - trp - ile - ser - phe - phe - val - glu - lys -
-fMet - leu -
-fMet - met - leu - thr - ile - ser - leu -
p35 4.5 bits
[###> orf 24 codons
p10 6.4 bits
p10 0.9 bits
ir IS1D_cspH+
p35 6.5 bits
[###> orf 4 codons
[###> orf 3 codons
... p35-(21)-p10 1
{----------} sd-(13)-ir 1050098 Gap 4.6 bits
ir IS1D_cspH+
... p35-(23)-p10 1050072 Gap 1.4 bits
p35 2.8 bits
ir IS1D_cspH+
... p35-p10 1050072 total 4.2 bits
sd
{----------} sd-(6)-ir 1050121 Gap 4.3 bits
|----------| sd-ir 1050098 IS1D_cspH+ total 6.6 bits
p10 3.8 bits
... p35-p10 105015
{----------} sd-(12)-ir 1050113 Gap 4.0 bits
|----------| sd-ir 1050113 IS1D_cspH+ total 7.2 bits
sd
p35 4.3 bits
|----------| sd-ir 1050121 IS1D_cspH+ total 5.5 bits


p10 8.4 bits
p35-(26)-p10 1050118 Gap 3.7 bits
p35-p10 1050118 total 9.1 bits
p35-(23)-p10 1050120 Gap 1.4 bits
p35-p10 1050120 total 5.2 bits
p35-(25)-p10 1050125 Gap 4.0 bits
p35-p10 1050125 total 6.8 bits
*1050150
*1050160
*1050170
*1050180
*1050190
*1050200
5′ t a t t c c a a t a a a a c c a g t c a g c t t t a a a c a a g c a g c g t c a t a t t a a g a g a g a t a a a c a t t t g 3′
- ile - pro - ile - lys - pro - val - ser - phe - lys - gln - ala - ala - ser - tyr -
- phe - gln -
-fMet -
p10 3.3 bits
<---------- ... NC_000913.cspH
[###> orf 23 codons
... p35-(21)-p10 1050153 Gap 3.3 bits
... p35-p10 1050153 total 6.5 bits