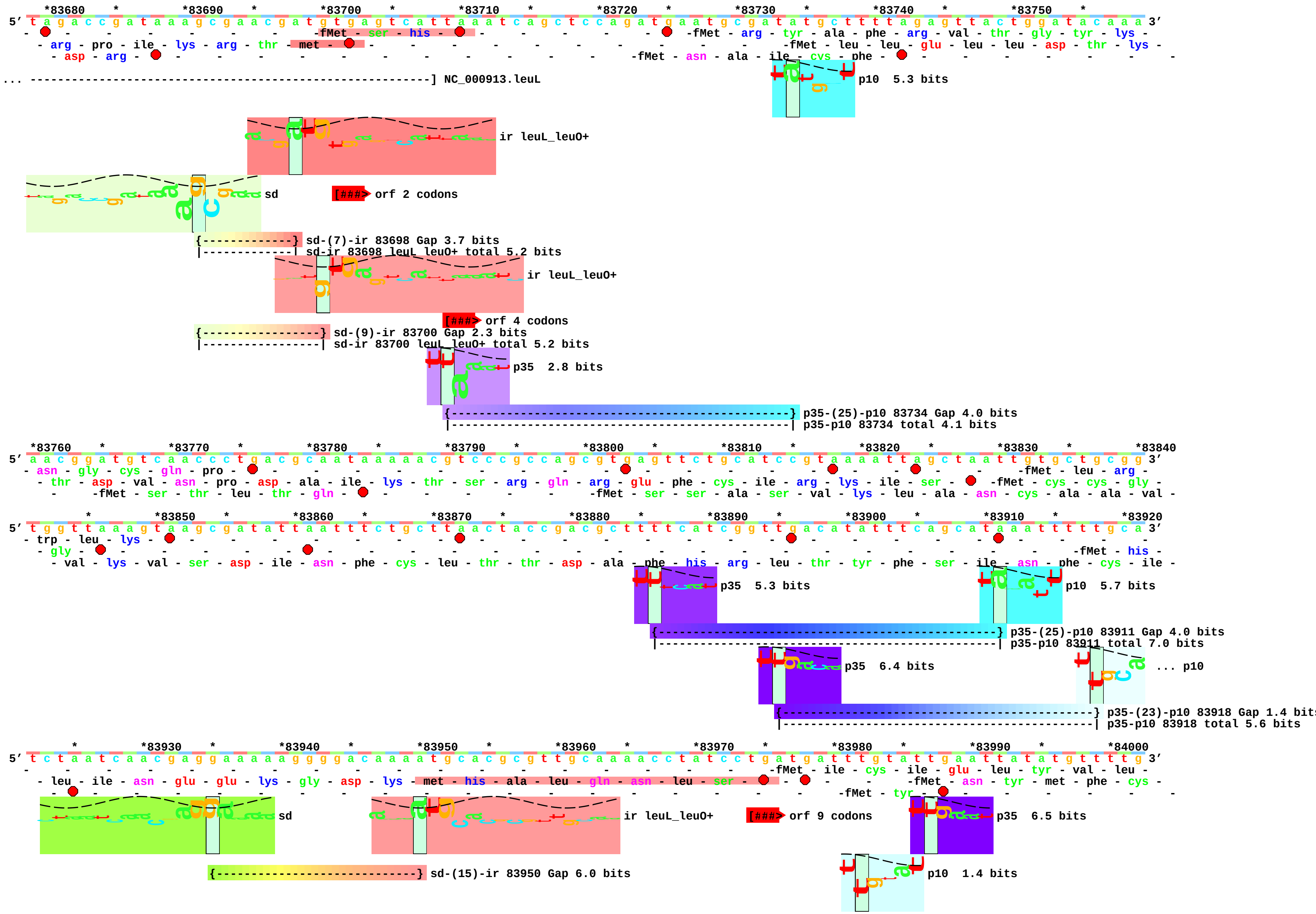
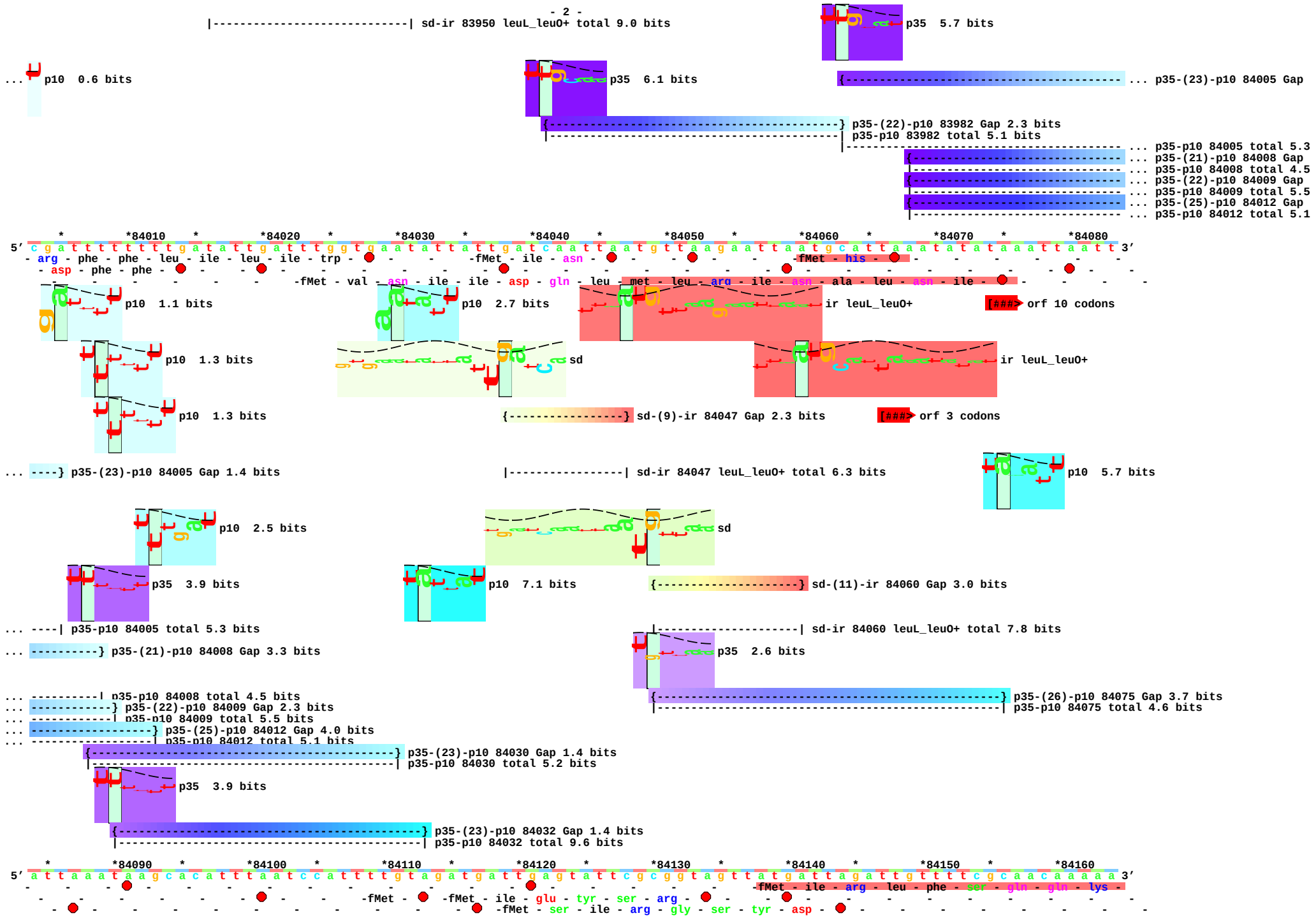
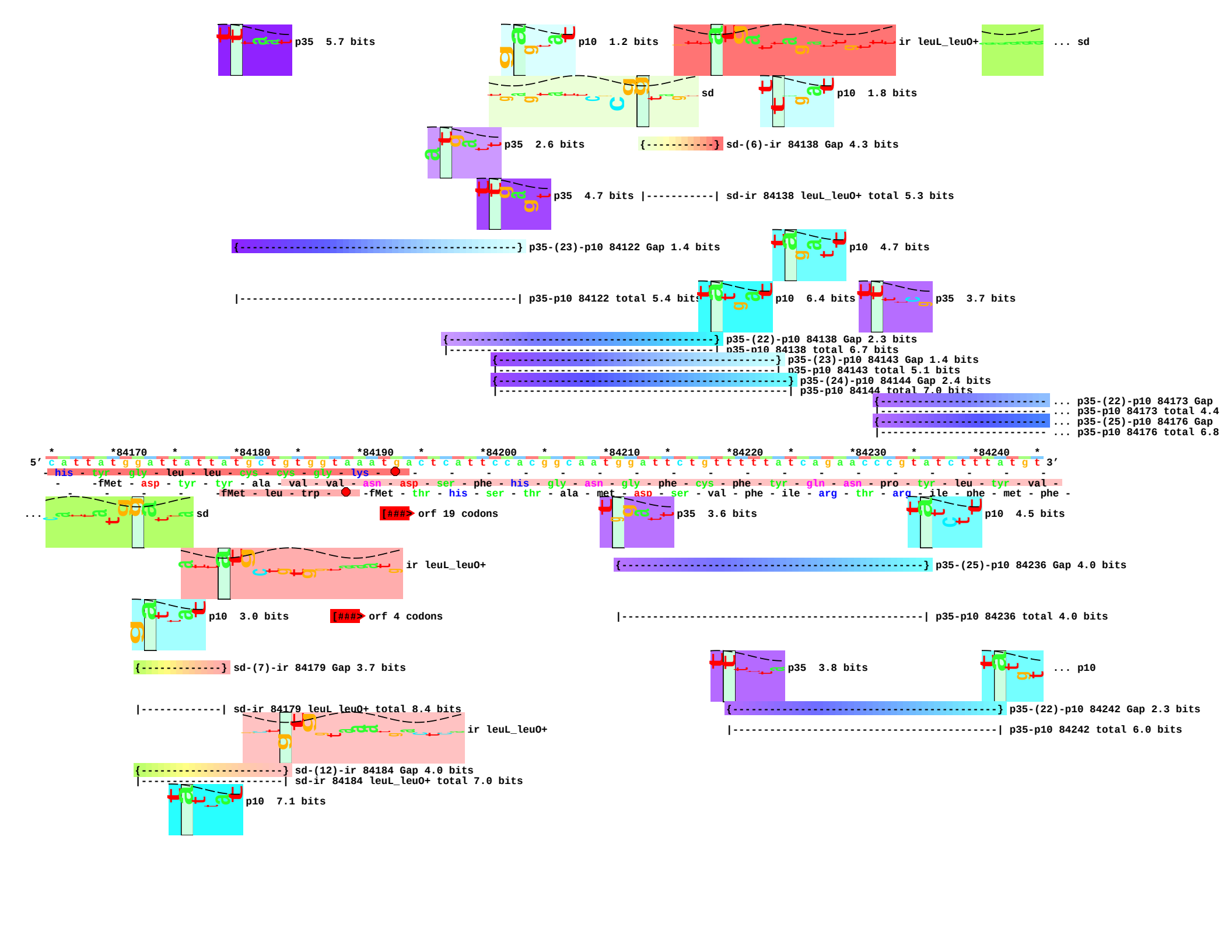
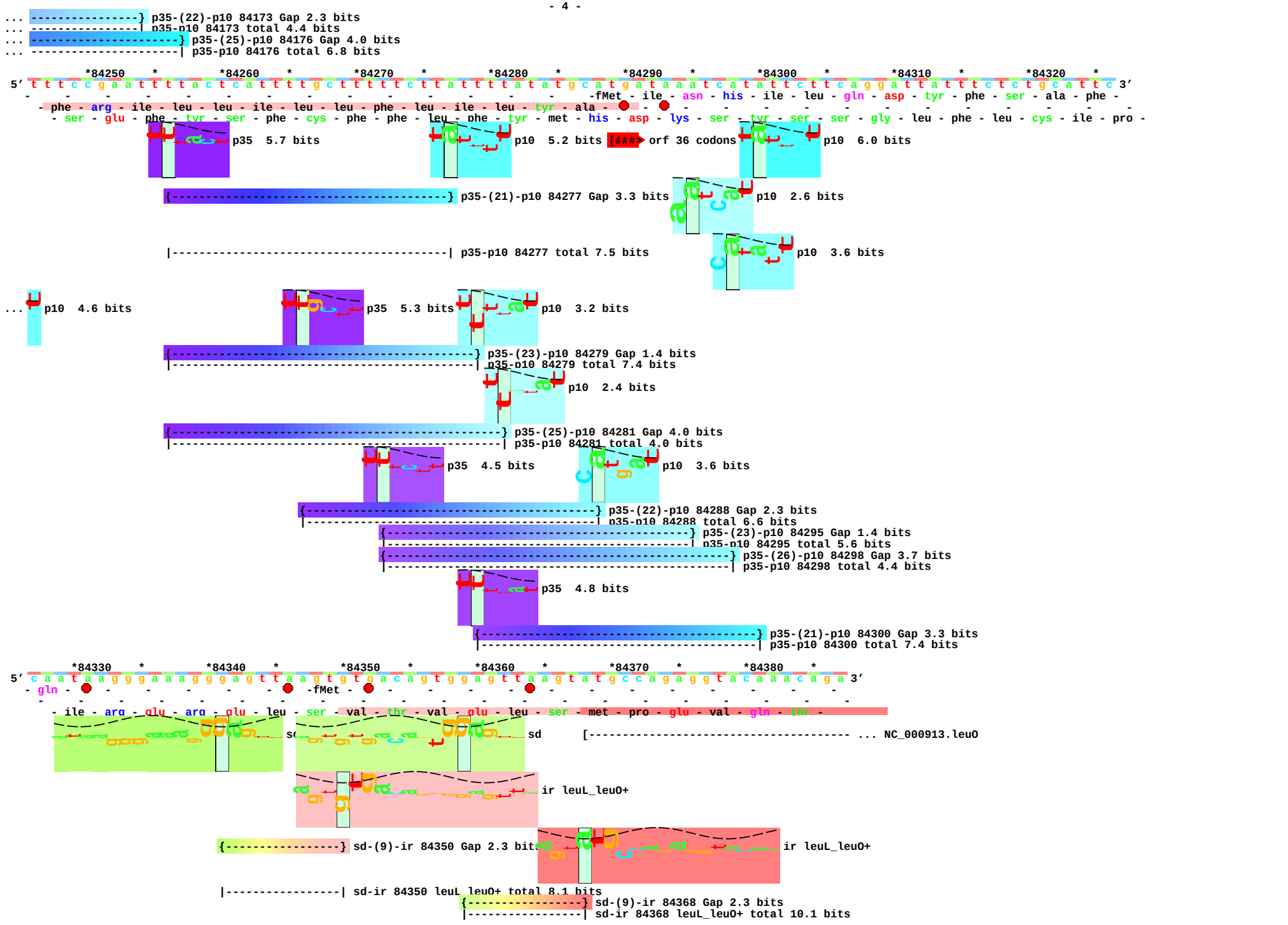
piece 1, NC_000913, leuL_leuO+, config: linear, direction: +, begin: 83679, end: 84387




- 2 -
|----------| sd-ir 83950 leuL_leuO+ total 9.0 bits
p35 5.7 bits
... p10 0.6 bits
p35 6.1 bits
{---------- ... p35-(23)-p10 84005 Gap
{----------} p35-(22)-p10 83982 Gap 2.3 bits
|----------| p35-p10 83982 total 5.1 bits
|---------- ... p35-p10 84005 total 5.3
{---------- ... p35-(21)-p10 84008 Gap
|---------- ... p35-p10 84008 total 4.5
{---------- ... p35-(22)-p10 84009 Gap
|---------- ... p35-p10 84009 total 5.5
{---------- ... p35-(25)-p10 84012 Gap
|---------- ... p35-p10 84012 total 5.1
*84010 *84020 *84030 *84040 *84050 *84060 *84070 *84080
5' c g a t t t t t t t t g a t a t t g a t t t g g t g a a t a t t a t t g a t c a a t t a a t g t t a a g a a t t a a t g c a t t a a a t a t a t a a a t t a a t t 3'
- arg - phe - phe - leu - ile - leu - ile - trp - -fMet - ile - asn - -fMet - his -
- asp - phe - phe -
-fMet - val - asn - ile - ile - asp - gln - leu - met - leu - arg - ile - asn - ala - leu - asn - ile -
p10 1.1 bits
p10 2.7 bits
ir leuL_leuO+
[###> orf 10 codons
p10 1.3 bits
sd
ir leuL_leuO+
p10 1.3 bits
{----------} sd-(9)-ir 84047 Gap 2.3 bits
[###> orf 3 codons
... ----} p35-(23)-p10 84005 Gap 1.4 bits
|----------| sd-ir 84047 leuL_leuO+ total 6.3 bits
p10 5.7 bits
p10 2.5 bits
sd
p35 3.9 bits
p10 7.1 bits
{----------} sd-(11)-ir 84060 Gap 3.0 bits
... ----| p35-p10 84005 total 5.3 bits
|----------| sd-ir 84060 leuL_leuO+ total 7.8 bits
... ----------} p35-(21)-p10 84008 Gap 3.3 bits
p35 2.6 bits
... ----------| p35-p10 84008 total 4.5 bits
{----------} p35-(26)-p10 84075 Gap 3.7 bits
... ----------} p35-(22)-p10 84009 Gap 2.3 bits
|----------| p35-p10 84075 total 4.6 bits
... ----------| p35-p10 84009 total 5.5 bits
... ----------} p35-(25)-p10 84012 Gap 4.0 bits
... ----------| p35-p10 84012 total 5.1 bits
{----------} p35-(23)-p10 84030 Gap 1.4 bits
|----------| p35-p10 84030 total 5.2 bits
p35 3.9 bits
{----------} p35-(23)-p10 84032 Gap 1.4 bits
|----------| p35-p10 84032 total 9.6 bits
*84090 *84100 *84110 *84120 *84130 *84140 *84150 *84160
5' a t t a a a t a a g c a c a t t t a a t c c a t t t t g t a g a t g a t t g a g t a t t c g c g g t a g t t a t g a t t a g a t t g t t t t c g c a a c a a a a a 3'
-fMet - ile - arg - leu - phe - ser - gln - gln - lys -
-fMet - -fMet - ile - glu - tyr - ser - arg -
-fMet - ser - ile - arg - gly - ser - tyr - asp -


p35 5.7 bits
p10 1.2 bits
ir leuL_leuO+
... sd
sd
p10 1.8 bits
p35 2.6 bits
{----------} sd-(6)-ir 84138 Gap 4.3 bits
p35 4.7 bits |----------| sd-ir 84138 leuL_leuO+ total 5.3 bits
{----------} p35-(23)-p10 84122 Gap 1.4 bits
p10 4.7 bits
|----------| p35-p10 84122 total 5.4 bits
p10 6.4 bits
p35 3.7 bits
{----------} p35-(22)-p10 84138 Gap 2.3 bits
|----------| p35-p10 84138 total 6.7 bits
{----------} p35-(23)-p10 84143 Gap 1.4 bits
|----------| p35-p10 84143 total 5.1 bits
{----------} p35-(24)-p10 84144 Gap 2.4 bits
|----------| p35-p10 84144 total 7.0 bits
{---------- ... p35-(22)-p10 84173 Gap
|---------- ... p35-p10 84173 total 4.4
{---------- ... p35-(25)-p10 84176 Gap
|---------- ... p35-p10 84176 total 6.8
* *84170 * *84180 * *84190 * *84200 * *84210 * *84220 * *84230 * *84240 *
5' c a t t a t g g a t t a t t a t g c t g t g g t a a a t g a c t c a t t c c a c g g c a a t g g a t t c t g t t t t a t c a g a a c c c g t a t c t t t a t g t 3'
- his - tyr - gly - leu - leu - cys - cys - gly - lys -
- -fMet - asp - tyr - tyr - ala - val - val - asn - asp - ser - phe - his - gly - asn - gly - phe - cys - phe - tyr - gln - asn - pro - tyr - leu - tyr - val -
-fMet - leu - trp - -fMet - thr - his - ser - thr - ala - met - asp - ser - val - phe - ile - arg - thr - arg - ile - phe - met - phe -
... sd
[###> orf 19 codons
p35 3.6 bits
p10 4.5 bits
ir leuL_leuO+
{----------} p35-(25)-p10 84236 Gap 4.0 bits
p10 3.0 bits
[###> orf 4 codons
|----------| p35-p10 84236 total 4.0 bits
p35 3.8 bits
... p10
{----------} sd-(7)-ir 84179 Gap 3.7 bits
{----------} p35-(22)-p10 84242 Gap 2.3 bits
|----------| sd-ir 84179 leuL_leuO+ total 8.4 bits
|----------| p35-p10 84242 total 6.0 bits
ir leuL_leuO+
{----------} sd-(12)-ir 84184 Gap 4.0 bits
|----------| sd-ir 84184 leuL_leuO+ total 7.0 bits
p10 7.1 bits


... ----------} p35-(22)-p10 84173 Gap 2.3 bits
... ----------| p35-p10 84173 total 4.4 bits
... ----------} p35-(25)-p10 84176 Gap 4.0 bits
... ----------| p35-p10 84176 total 6.8 bits
*84250 *84260 *84270 *84280 *84290 *84300 *84310 *84320 *
5' t t t c c g a a t t t t a c t c a t t t t g c t t t t t c t t a t t t t a t a t g c a t g a t a a a t c a t a t t c t t c a g g a t t a t t t c t c t g c a t t c 3'
- fMet - ile - asn - his - ile - leu - gln - asp - tyr - phe - ser - ala - phe -
- phe - arg - ile - leu - leu - ile - leu - leu - phe - leu - ile - leu - tyr - ala -
- ser - glu - phe - tyr - ser - phe - cys - phe - phe - leu - phe - tyr - met - his - asp - lys - ser - tyr - ser - ser - gly - leu - phe - leu - cys - ile - pro -
p35 5.7 bits
p10 5.2 bits [###> orf 36 codons
p10 6.0 bits
{----------} p35-(21)-p10 84277 Gap 3.3 bits
p10 2.6 bits
|----------| p35-p10 84277 total 7.5 bits
p10 3.6 bits
... p10 4.6 bits
p35 5.3 bits
p10 3.2 bits
{----------} p35-(23)-p10 84279 Gap 1.4 bits
|----------| p35-p10 84279 total 7.4 bits
p10 2.4 bits
{----------} p35-(25)-p10 84281 Gap 4.0 bits
|----------| p35-p10 84281 total 4.0 bits
p35 4.5 bits
p10 3.6 bits
{----------} p35-(22)-p10 84288 Gap 2.3 bits
|----------| p35-p10 84288 total 6.6 bits
{----------} p35-(23)-p10 84295 Gap 1.4 bits
|----------| p35-p10 84295 total 5.6 bits
{----------} p35-(26)-p10 84298 Gap 3.7 bits
|----------| p35-p10 84298 total 4.4 bits
p35 4.8 bits
{----------} p35-(21)-p10 84300 Gap 3.3 bits
|----------| p35-p10 84300 total 7.4 bits
*84330 *84340 *84350 *84360 *84370 *84380 *
5' c a a t a a g g g a a a g g g a g t t a a g t g t g a c a g t g g a g t t a a g t a t g c c a g a g g t a c a a a c a g a 3'
- gln - fMet -
- ile - arg - glu - arg - glu - leu - ser - val - thr - val - glu - leu - ser - met - pro - glu - val - gln - thr -
sd
sd [---------- ... NC_000913.leuO
ir leuL_leuO+
{----------} sd-(9)-ir 84350 Gap 2.3 bits
ir leuL_leuO+
|----------| sd-ir 84350 leuL_leuO+ total 8.1 bits
{----------} sd-(9)-ir 84368 Gap 2.3 bits
|----------| sd-ir 84368 leuL_leuO+ total 10.1 bits