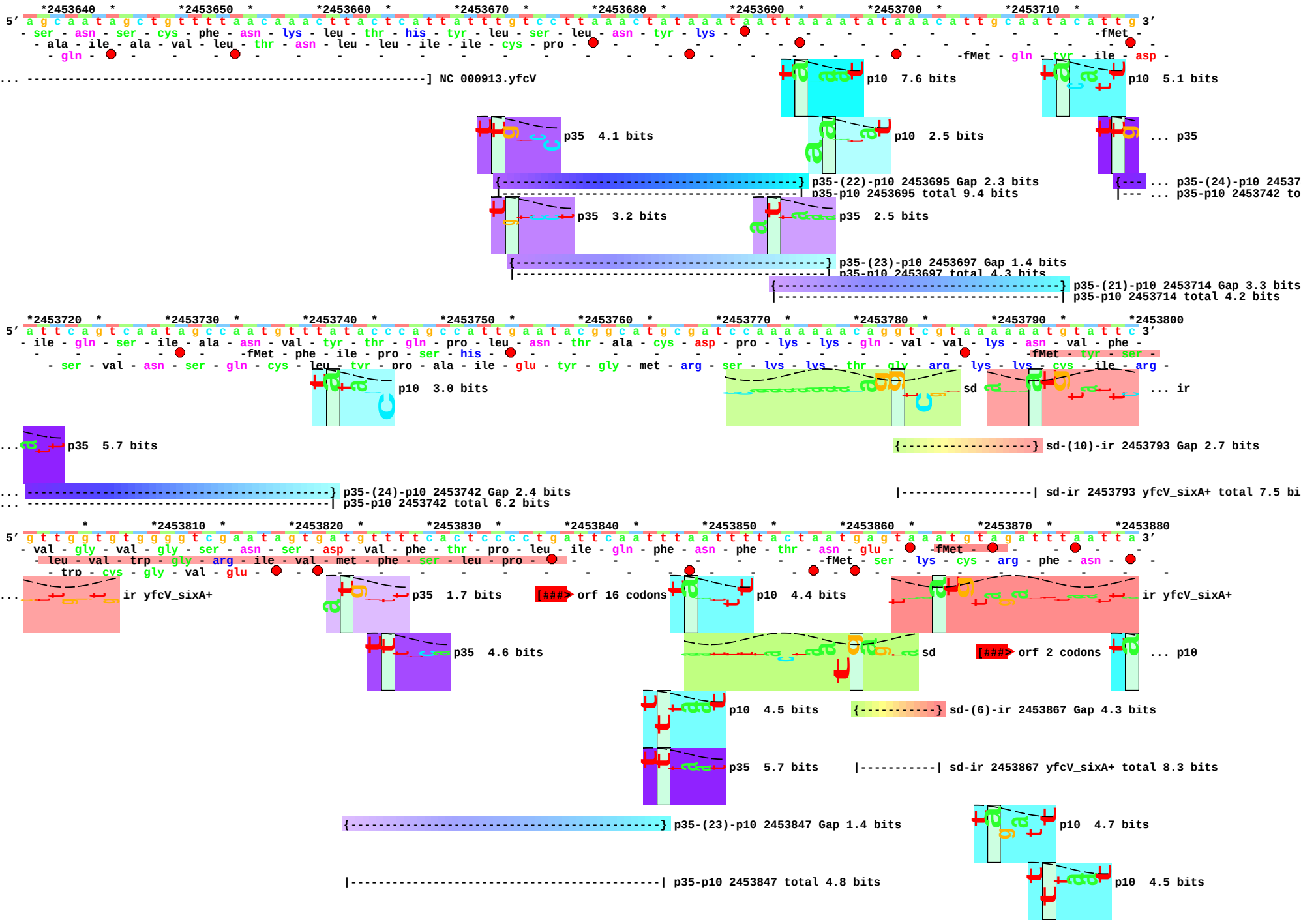
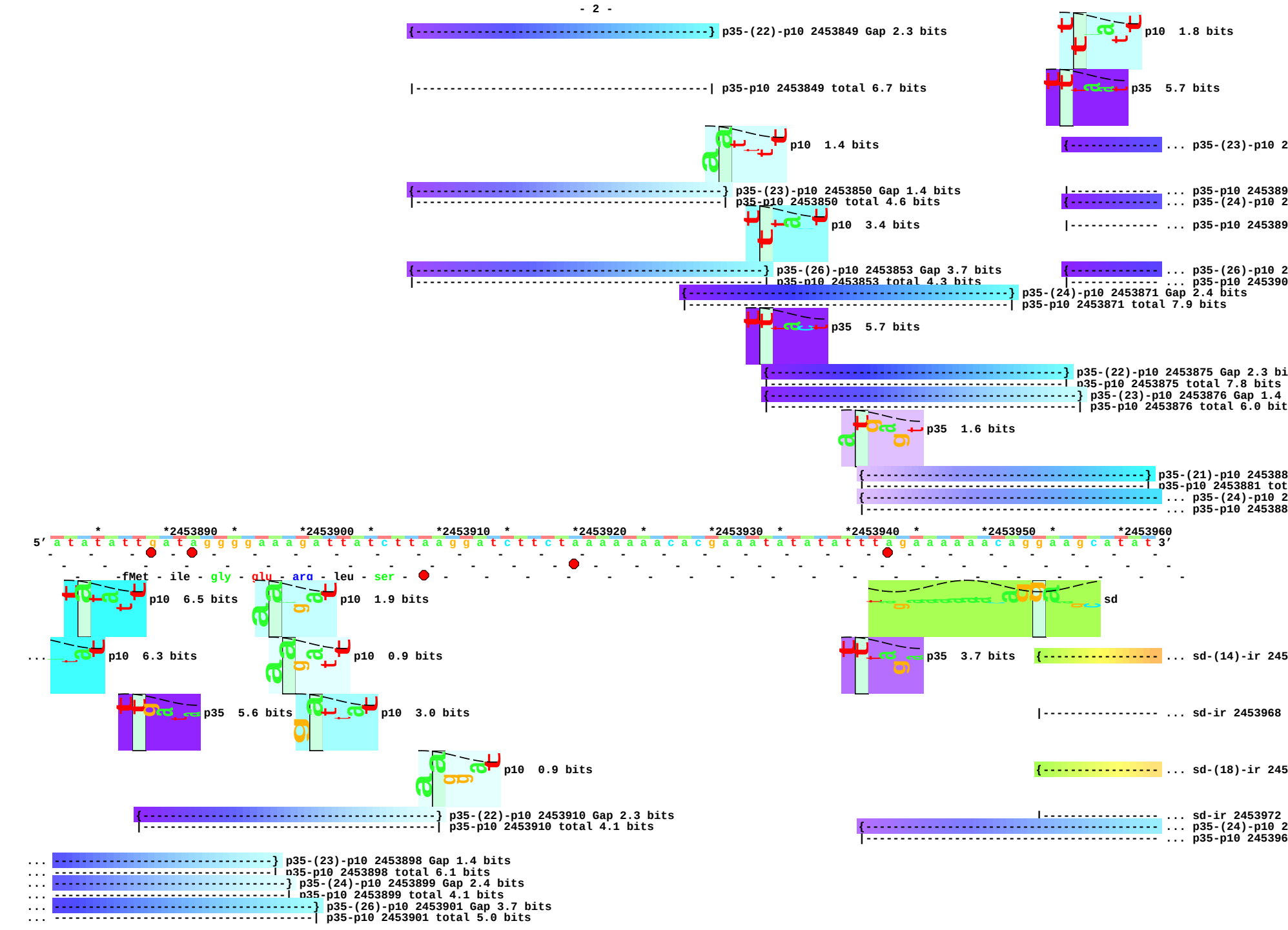
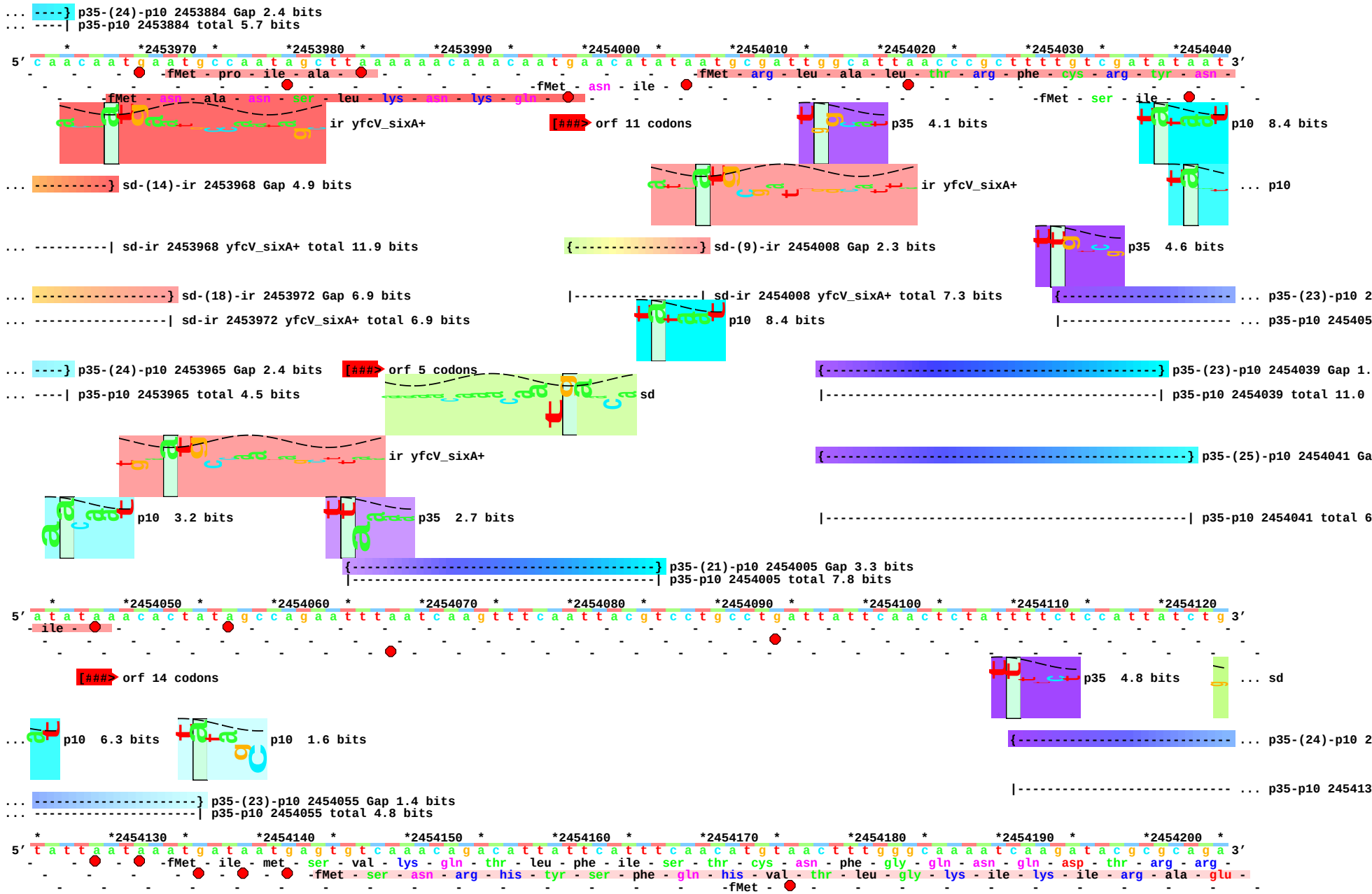
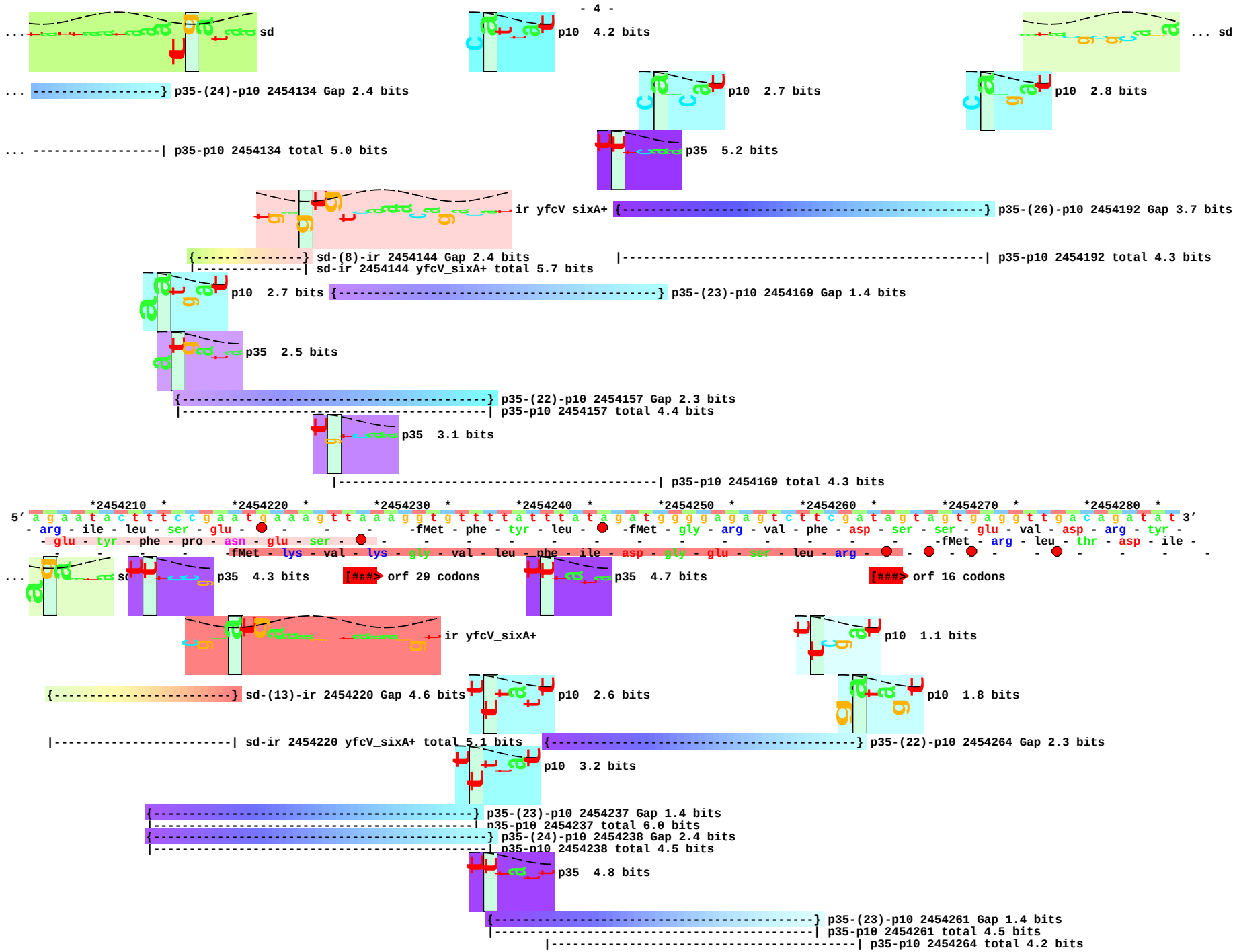
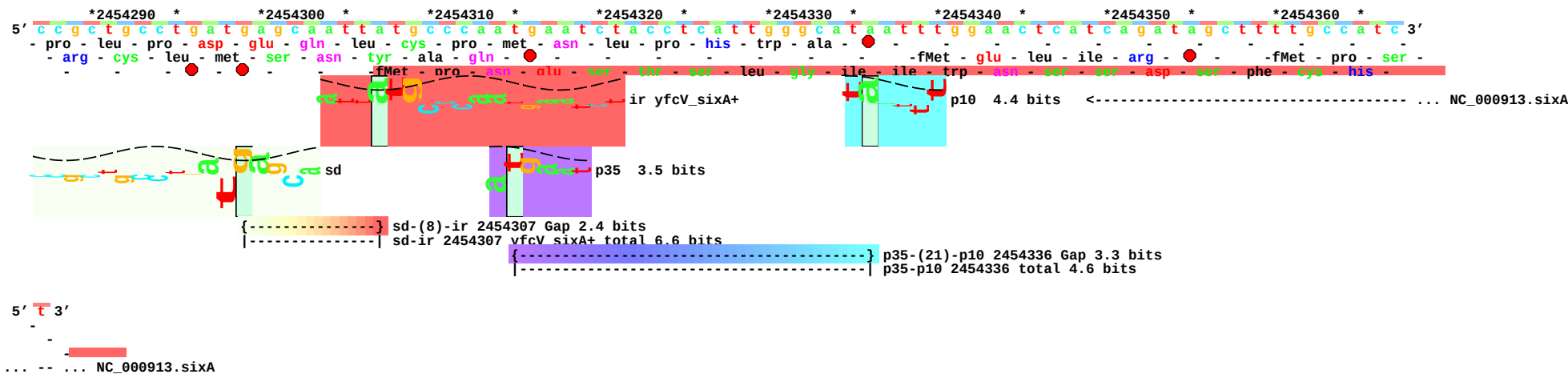
piece 1, NC_000913, yfcV_sixA+, config: linear, direction: +, begin: 2453639, end: 2454368




{---------- p35-(22)-p10 2453849 Gap 2.3 bits
|---------- p35-p10 2453849 total 6.7 bits
p10 1.8 bits
p35 5.7 bits
p10 1.4 bits
{---------- ... p35-(23)-p10 2
{---------- p35-(23)-p10 2453850 Gap 1.4 bits
|---------- p35-p10 2453850 total 4.6 bits
|---------- ... p35-p10 245389
{---------- ... p35-(24)-p10 2
p10 3.4 bits
|---------- ... p35-p10 245389
{---------- p35-(26)-p10 2453853 Gap 3.7 bits
|---------- p35-p10 2453853 total 4.3 bits
{---------- ... p35-(26)-p10 2
|---------- ... p35-p10 245390
{---------- p35-(24)-p10 2453871 Gap 2.4 bits
|---------- p35-p10 2453871 total 7.9 bits
p35 5.7 bits
{---------- p35-(22)-p10 2453875 Gap 2.3 bi
|---------- p35-p10 2453875 total 7.8 bits
{---------- p35-(23)-p10 2453876 Gap 1.4
|---------- p35-p10 2453876 total 6.0 bit
p35 1.6 bits
{---------- p35-(21)-p10 245388
|---------- p35-p10 2453881 tot
{---------- ... p35-(24)-p10 2
|---------- ... p35-p10 245388
5' a t a t a t t g a t a g g g g a a a g a t t a t c t t a a g g a t c t t c t a a a a a a a c a c g a a a t a t a t t t a g a a a a a a c a g g a a g c a t a t 3'
-fMet - ile - gly - glu - arg - leu - ser -
p10 6.5 bits
p10 1.9 bits
sd
... p10 6.3 bits
p10 0.9 bits
p35 3.7 bits
{---------- ... sd-(14)-ir 245
p35 5.6 bits
p10 3.0 bits
|---------- ... sd-ir 2453968
p10 0.9 bits
{---------- ... sd-(18)-ir 245
{---------- p35-(22)-p10 2453910 Gap 2.3 bits
|---------- p35-p10 2453910 total 4.1 bits
|---------- ... sd-ir 2453972
{---------- ... p35-(24)-p10 2
|---------- ... p35-p10 245396
... {---------- p35-(23)-p10 2453898 Gap 1.4 bits
... |---------- p35-p10 2453898 total 6.1 bits
... {---------- p35-(24)-p10 2453899 Gap 2.4 bits
... |---------- p35-p10 2453899 total 4.1 bits
... {---------- p35-(26)-p10 2453901 Gap 3.7 bits
... |---------- p35-p10 2453901 total 5.0 bits


... ----} p35-(24)-p10 2453884 Gap 2.4 bits
... ----| p35-p10 2453884 total 5.7 bits
*2453970 *2453980 *2453990 *2454000 *2454010 *2454020 *2454030 *2454040
5' caacaatgaatgccaatagcttaaaaaacaaacaatgaacatataatgcgattggcattaacccgctttttgtcgatataat 3'
-fMet - pro - ile - ala -
-fMet - arg - leu - ala - leu - thr - arg - phe - cys - arg - tyr - asn -
-fMet - asn - ala - asn - ser - leu - lys - asn - lys - gln -
-fMet - ser - ile -
ir yfcV_sixA+
[###> orf 11 codons
p35 4.1 bits
p10 8.4 bits
... ----------} sd-(14)-ir 2453968 Gap 4.9 bits
ir yfcV_sixA+
... p10
... ----------| sd-ir 2453968 yfcV_sixA+ total 11.9 bits
{----------} sd-(9)-ir 2454008 Gap 2.3 bits
p35 4.6 bits
... ----------} sd-(18)-ir 2453972 Gap 6.9 bits
|----------| sd-ir 2454008 yfcV_sixA+ total 7.3 bits
{---------- ... p35-(23)-p10 2
... ----------| sd-ir 2453972 yfcV_sixA+ total 6.9 bits
p10 8.4 bits
|---------- ... p35-p10 245405
... ----} p35-(24)-p10 2453965 Gap 2.4 bits
[###> orf 5 codons
{----------} p35-(23)-p10 2454039 Gap 1.
... ----| p35-p10 2453965 total 4.5 bits
sd
|----------| p35-p10 2454039 total 11.0
ir yfcV_sixA+
{----------} p35-(25)-p10 2454041 Ga
p10 3.2 bits
p35 2.7 bits
|----------| p35-p10 2454041 total 6
{----------} p35-(21)-p10 2454005 Gap 3.3 bits
|----------| p35-p10 2454005 total 7.8 bits
*2454050 *2454060 *2454070 *2454080 *2454090 *2454100 *2454110 *2454120
5' atataacactatagccagaatttaatcaagtttcaattacgtcctgcctgattattcaactctatttttctccattatctg 3'
ile -
[###> orf 14 codons
p35 4.8 bits
... sd
... p10 6.3 bits
p10 1.6 bits
{---------- ... p35-(24)-p10 2
|---------- ... p35-p10 245413
... ----------} p35-(23)-p10 2454055 Gap 1.4 bits
... ----------| p35-p10 2454055 total 4.8 bits
*2454130 *2454140 *2454150 *2454160 *2454170 *2454180 *2454190 *2454200
5' tattaataaatgataatgagtgtcaaacagacattattcatttcaacatgtaacttgggcaaaatcaagatacgcgcaga 3'
-fMet - ile - met - ser - val - lys - gln - thr - leu - phe - ile - ser - thr - cys - asn - phe - gly - gln - asn - gln - asp - thr - arg - arg -
-fMet - ser - asn - arg - his - tyr - ser - phe - gln - his - val - thr - leu - gly - lys - ile - lys - ile - arg - ala - glu -
-fMet -


... sd
p10 4.2 bits
... sd
... } p35-(24)-p10 2454134 Gap 2.4 bits
p10 2.7 bits
p10 2.8 bits
... | p35-p10 2454134 total 5.0 bits
p35 5.2 bits
ir yfcV_sixA+ { } p35-(26)-p10 2454192 Gap 3.7 bits
{ } sd-(8)-ir 2454144 Gap 2.4 bits
| sd-ir 2454144 yfcV_sixA+ total 5.7 bits
| p35-p10 2454192 total 4.3 bits
p10 2.7 bits { } p35-(23)-p10 2454169 Gap 1.4 bits
p35 2.5 bits
{ } p35-(22)-p10 2454157 Gap 2.3 bits
| p35-p10 2454157 total 4.4 bits
p35 3.1 bits
| p35-p10 2454169 total 4.3 bits
*2454210 *2454220 *2454230 *2454240 *2454250 *2454260 *2454270 *2454280 *
5′ a g a a t a c t t t c c g a a t g a a a g t t a a g g t g t t t t a t t t a t a g a t g g g g a g a g t c t t c g a t a g t a g t g a g g t t g a c a g a t a t 3′
- arg - ile - leu - ser - glu - fMet - phe - tyr - leu - fMet - gly - arg - val - phe - asp - ser - ser - glu - val - asp - arg - tyr -
- glu - tyr - phe - pro - asn - glu - ser - fMet - arg - leu - thr - asp - ile -
fMet - lys - val - lys - gly - val - leu - phe - ile - asp - gly - glu - ser - leu - arg -
... s p35 4.3 bits [###> orf 29 codons p35 4.7 bits [###> orf 16 codons
ir yfcV_sixA+
p10 1.1 bits
{ } sd-(13)-ir 2454220 Gap 4.6 bits
p10 2.6 bits
p10 1.8 bits
| sd-ir 2454220 yfcV_sixA+ total 5.1 bits { } p35-(22)-p10 2454264 Gap 2.3 bits
p10 3.2 bits
{ } p35-(23)-p10 2454237 Gap 1.4 bits
| p35-p10 2454237 total 6.0 bits
{ } p35-(24)-p10 2454238 Gap 2.4 bits
| p35-p10 2454238 total 4.5 bits
p35 4.8 bits
{ } p35-(23)-p10 2454261 Gap 1.4 bits
| p35-p10 2454261 total 4.5 bits
| p35-p10 2454264 total 4.2 bits


*2454290
*2454300
*2454310
*2454320
*2454330
*2454340
*2454350
*2454360
5′ c c g c t g c c t g a t g a g c a a t t a t g c c c a a t g a a t c t a c c t c a t t g g g c a t a a t t t g g a a c t c a t c a g a t a g c t t t t g c c a t c 3′
- pro - leu - pro - asp - glu - gln - leu - cys - pro - met - asn - leu - pro - his - trp - ala -
- arg - cys - leu - met - ser - asn - tyr - ala - gln -
-fMet - glu - leu - ile - arg -
-fMet - pro - ser -
-fMet - pro - asn - glu - ser - thr - ser - leu - gly - ile - ile - trp - asn - ser - ser - asp - ser - phe - cys - his -
ir yfcV_sixA+
p10 4.4 bits
<---------- ... NC_000913.sixA
sd
p35 3.5 bits
{----------} sd-(8)-ir 2454307 Gap 2.4 bits
|----------| sd-ir 2454307 yfcV_sixA+ total 6.6 bits
{----------} p35-(21)-p10 2454336 Gap 3.3 bits
|----------| p35-p10 2454336 total 4.6 bits
5′ t 3′
... -- ... NC_000913.sixA