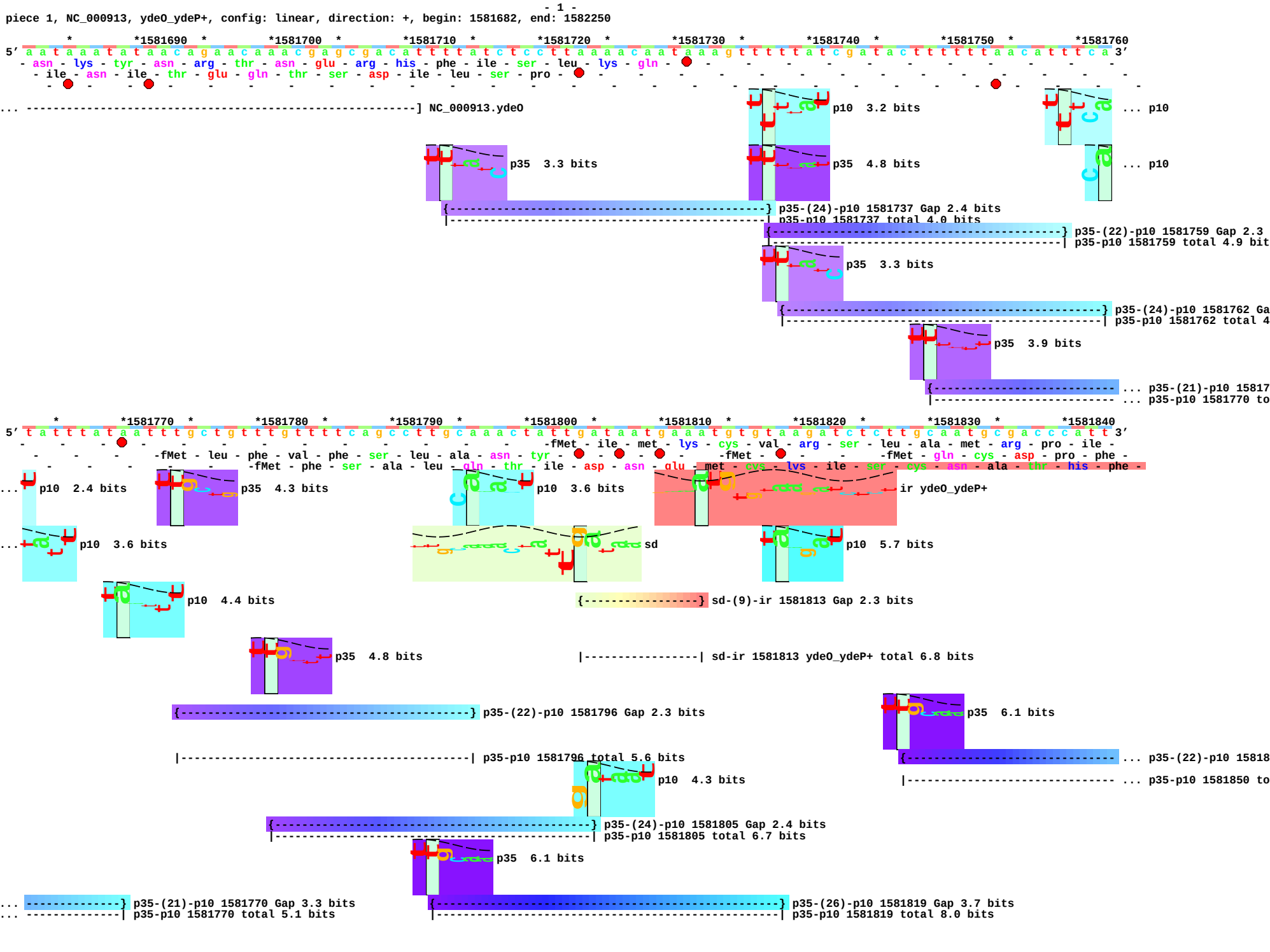
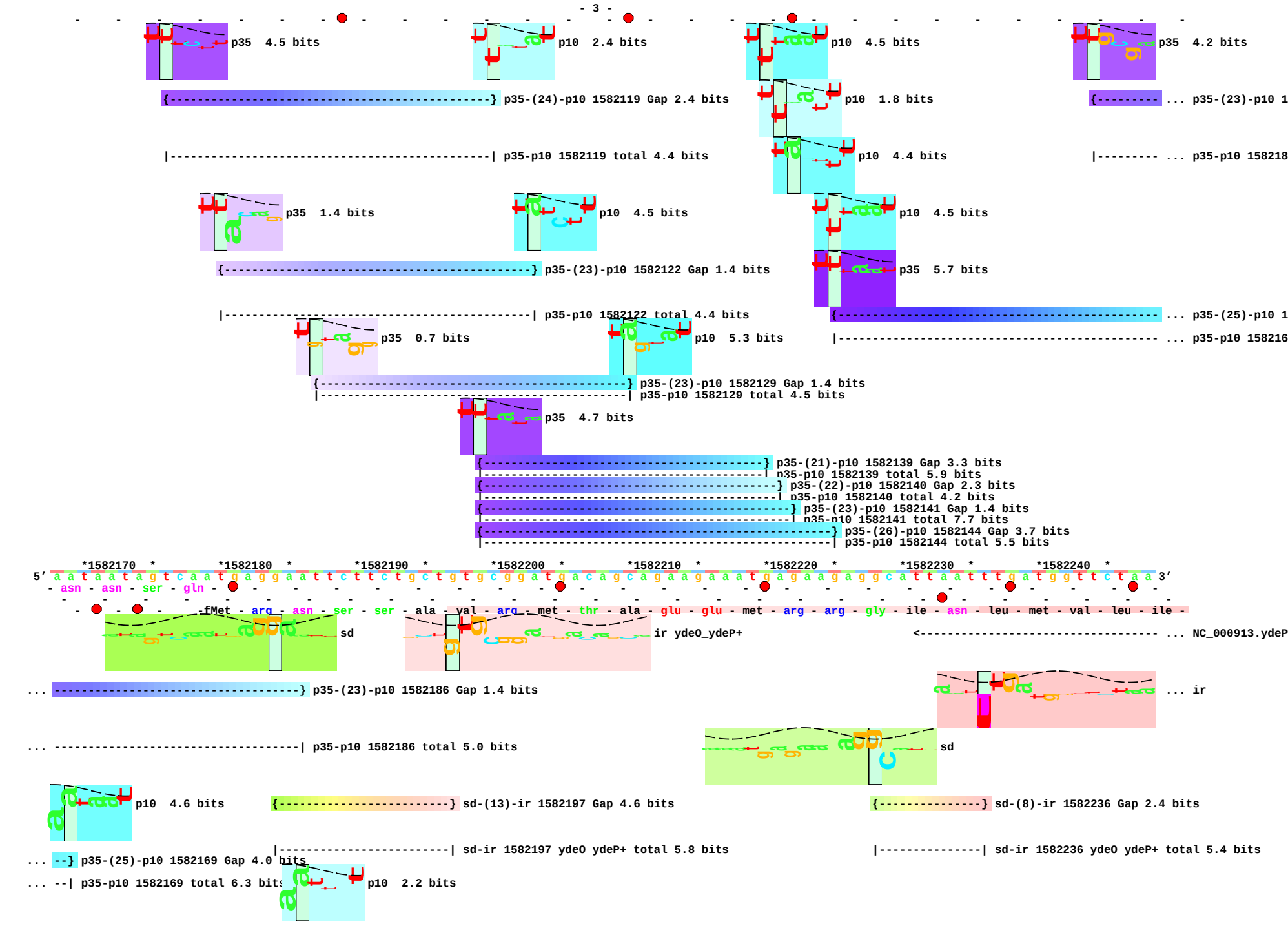
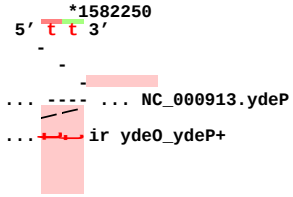

piece 1, NC_000913, ydeO_ydeP+, config: linear, direction: +, begin: 1581682, end: 1582250
*1581690 *1581700 *1581710 *1581720 *1581730 *1581740 *1581750 *1581760
5' a a t a a a t a t a a c a g a a c a a a c g a g c g a c a t t t t a t c t c c t t a a a c a a t a a a g t t t t t a t c g a t a c t t t t t t a a c a t t t c a 3'
- asn - lys - tyr - asn - arg - thr - asn - glu - arg - his - phe - ile - ser - leu - lys - gln -
- ile - asn - ile - thr - glu - gln - thr - ser - asp - ile - leu - ser - pro -
...] NC_000913.ydeO
p10 3.2 bits
... p10
p35 3.3 bits
p35 4.8 bits
... p10
{ } p35-(24)-p10 1581737 Gap 2.4 bits
| p35-p10 1581737 total 4.0 bits
{ } p35-(22)-p10 1581759 Gap 2.3
| p35-p10 1581759 total 4.9 bit
p35 3.3 bits
{ } p35-(24)-p10 1581762 Ga
| p35-p10 1581762 total 4
p35 3.9 bits
{ ... p35-(21)-p10 15817
| ... p35-p10 1581770 to
*1581770 *1581780 *1581790 *1581800 *1581810 *1581820 *1581830 *1581840
5' t a t t t a t a a t t t g c t g t t t g t t t t c a g c c t t g c a a a c t a t t g a t a a t g a a a t g t g t a a g a t c t c t t g c a a t g c g a c c c a t t 3'
-fMet - ile - met - lys - cys - val - arg - ser - leu - ala - met - arg - pro - ile -
-fMet - leu - phe - val - phe - ser - leu - ala - asn - tyr - -fMet - -fMet - gln - cys - asp - pro - phe -
-fMet - phe - ser - ala - leu - gln - thr - ile - asp - asn - glu - met - cys - lys - ile - ser - cys - asn - ala - thr - his - phe -
... p10 2.4 bits
p35 4.3 bits
p10 3.6 bits
ir ydeO_ydeP+
... p10 3.6 bits
sd
p10 5.7 bits
p10 4.4 bits
{ } sd-(9)-ir 1581813 Gap 2.3 bits
p35 4.8 bits
| sd-ir 1581813 ydeO_ydeP+ total 6.8 bits
{ } p35-(22)-p10 1581796 Gap 2.3 bits
p35 6.1 bits
| p35-p10 1581796 total 5.6 bits
{ ... p35-(22)-p10 15818
p10 4.3 bits
| ... p35-p10 1581850 to
{ } p35-(24)-p10 1581805 Gap 2.4 bits
| p35-p10 1581805 total 6.7 bits
p35 6.1 bits
... } p35-(21)-p10 1581770 Gap 3.3 bits
... | p35-p10 1581770 total 5.1 bits
{ } p35-(26)-p10 1581819 Gap 3.7 bits
| p35-p10 1581819 total 8.0 bits

*1581850 *1581860 *1581870 *1581880 *1581890 *1581900 *1581910 *1581920
5′ tctgaaatactcagctgatcaattgccgaaaaaatggctatcaacgtaagtgtcagtaataagacaaccacaattgcagac 3′
- ser - glu - ile - leu - ser - -fMet - ala - ile - asn - val - ser - val - ser - asn - lys - thr - thr - thr - ile - ala - asp -
- leu - lys - tyr - ser - ala - asp - gln - leu - pro - lys - lys - trp - leu - ser - thr - -fMet - ser - val - ile - arg - gln - pro - gln - leu - gln - thr -
[###> orf 12 codons
ir ydeO_ydeP+
sd
p10 3.5 bits
{----------} sd-(6)-ir 1581877 Gap 4.3 bits
|----------| sd-ir 1581877 ydeO_ydeP+ total 5.2 bits
... ----------} p35-(22)-p10 1581850 Gap 2.3 bits
... ----------| p35-p10 1581850 total 7.2 bits
*1581930 *1581940 *1581950 *1581960 *1581970 *1581980 *1581990 *1582000 *
5′ atgatttctttatagttgtctctttgcgtgatttttgttttcactgtggtcgcatgcatttcaaatatgtttatttagcgg 3′
- met - ile - ser - leu - -fMet - ser - leu - cys - val - ile - leu - phe - phe - thr - val - val - ala - cys - ile - ser - asn - met - phe - ile -
-fMet - arg - asp - phe - val - phe - his - cys - gly - arg - met - his - phe - lys - tyr - val - tyr - leu - ala - asp -
[###> orf 21 codons
p10 1.9 bits
p35 5.2 bits
p35 5.6 bits
{---------- ... p35-(24)-p10 1
{----------} p35-(24)-p10 1581965 Gap 2.4 bits
|---------- ... p35-p10 158200
|----------| p35-p10 1581965 total 5.1 bits
p35 1.7 bits
{---------- ... p35-(23)-p10 1
|---------- ... p35-p10 158201
*1582010 *1582020 *1582030 *1582040 *1582050 *1582060 *1582070 *1582080 *
5′ ataacgttaaaaatcgttaatcagtatgcttaatataacaggctggagaaaagaggaaataggactggtgcttcagtactg 3′
-fMet - leu - asn - ile - thr - gly - trp - arg - lys - glu - glu - ile - gly - leu - val - leu - gln - tyr -
- asn - val - lys - asn - arg -
p10 3.1 bits
p10 6.3 bits
... ----} p35-(24)-p10 1582008 Gap 2.4 bits
... ----| p35-p10 1582008 total 5.8 bits
p10 3.8 bits
... ----------} p35-(23)-p10 1582015 Gap 1.4 bits
... ----------| p35-p10 1582015 total 4.1 bits
p35 2.7 bits
{----------} p35-(24)-p10 1582037 Gap 2.4 bits
|----------| p35-p10 1582037 total 6.5 bits
*1582090 *1582100 *1582110 *1582120 *1582130 *1582140 *1582150 *1582160 *
5′ agcggagtttcttacagctgtaggcagaagtttatatcttatagtatgtagtttaatttaatccatgtgagcaaaattgcga 3′
-fMet - -fMet - ser - lys - leu - arg -
-fMet -


p35 4.5 bits
p10 2.4 bits
p10 4.5 bits
p35 4.2 bits
{----------} p35-(24)-p10 1582119 Gap 2.4 bits
p10 1.8 bits
{--------- ... p35-(23)-p10 1
|----------| p35-p10 1582119 total 4.4 bits
p10 4.4 bits
|--------- ... p35-p10 158218
p35 1.4 bits
p10 4.5 bits
p10 4.5 bits
{----------} p35-(23)-p10 1582122 Gap 1.4 bits
p35 5.7 bits
|----------| p35-p10 1582122 total 4.4 bits
{---------- ... p35-(25)-p10 1
p35 0.7 bits
p10 5.3 bits
|---------- ... p35-p10 158216
{----------} p35-(23)-p10 1582129 Gap 1.4 bits
|----------| p35-p10 1582129 total 4.5 bits
p35 4.7 bits
{----------} p35-(21)-p10 1582139 Gap 3.3 bits
|----------| p35-p10 1582139 total 5.9 bits
{----------} p35-(22)-p10 1582140 Gap 2.3 bits
|----------| p35-p10 1582140 total 4.2 bits
{----------} p35-(23)-p10 1582141 Gap 1.4 bits
|----------| p35-p10 1582141 total 7.7 bits
{----------} p35-(26)-p10 1582144 Gap 3.7 bits
|----------| p35-p10 1582144 total 5.5 bits
*1582170 *1582180 *1582190 *1582200 *1582210 *1582220 *1582230 *1582240 *
5′ a a t a a t a g t c a a t g a g g a a t t c t t c t g c t g t g c g g a t g a c a g c a g a a g a a a t g a g a a g a g g c a t t a a t t t g a t g g t t c t a a 3′
- asn - asn - ser - gln -
- fMet - arg - asn - ser - ser - ala - val - arg - met - thr - ala - glu - glu - met - arg - arg - gly - ile - asn - leu - met - val - leu - ile -
sd
ir ydeO_ydeP+
<---------- ... NC_000913.ydeP
... {----------} p35-(23)-p10 1582186 Gap 1.4 bits
... ir
... |----------| p35-p10 1582186 total 5.0 bits
sd
p10 4.6 bits
{----------} sd-(13)-ir 1582197 Gap 4.6 bits
{----------} sd-(8)-ir 1582236 Gap 2.4 bits
|----------| sd-ir 1582197 ydeO_ydeP+ total 5.8 bits
|----------| sd-ir 1582236 ydeO_ydeP+ total 5.4 bits
... --} p35-(25)-p10 1582169 Gap 4.0 bits
... --| p35-p10 1582169 total 6.3 bits
p10 2.2 bits


*1582250
5′ t t 3′
... ---- ... NC_000913.ydeP
... ir ydeO_ydeP+