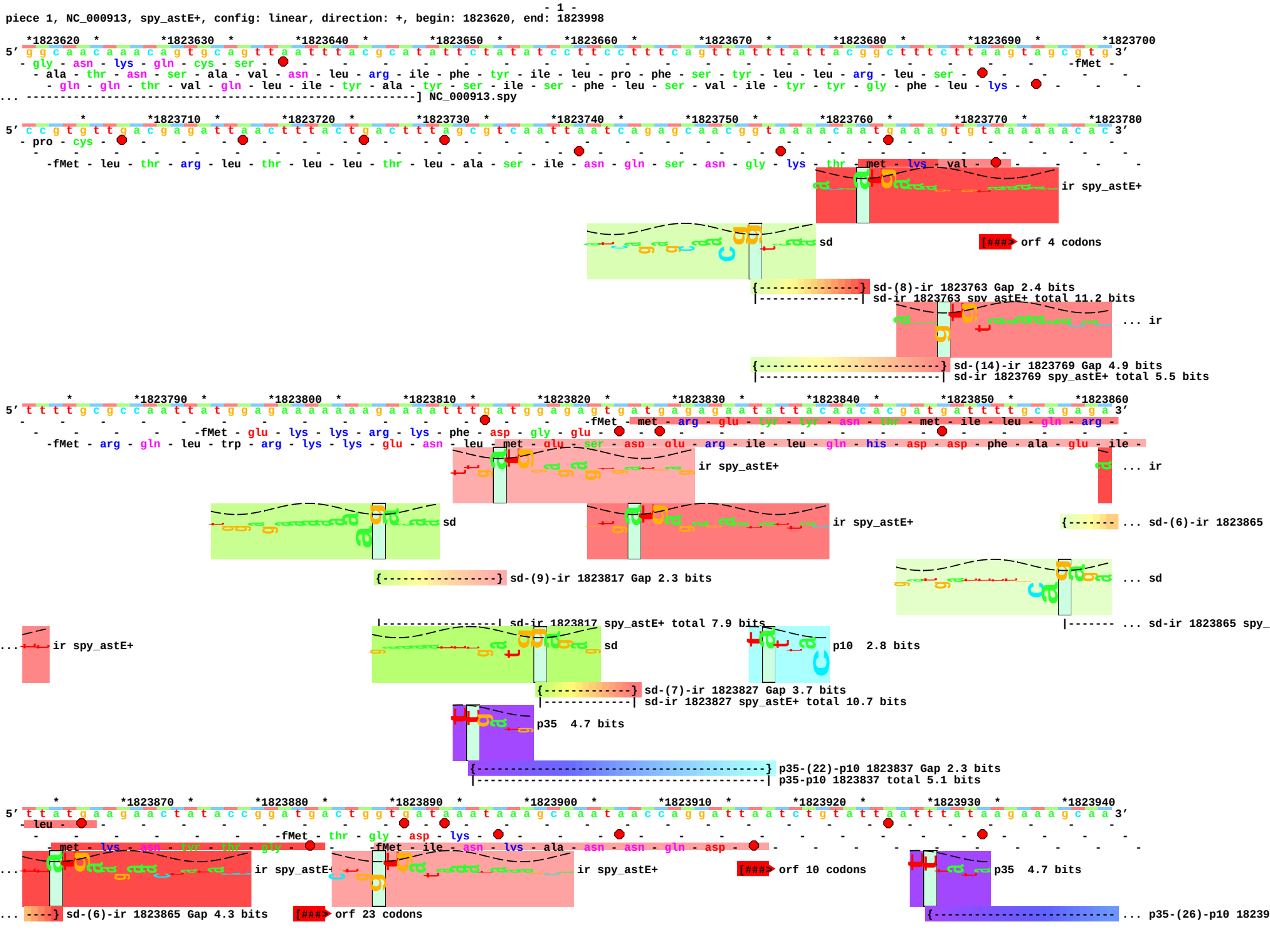
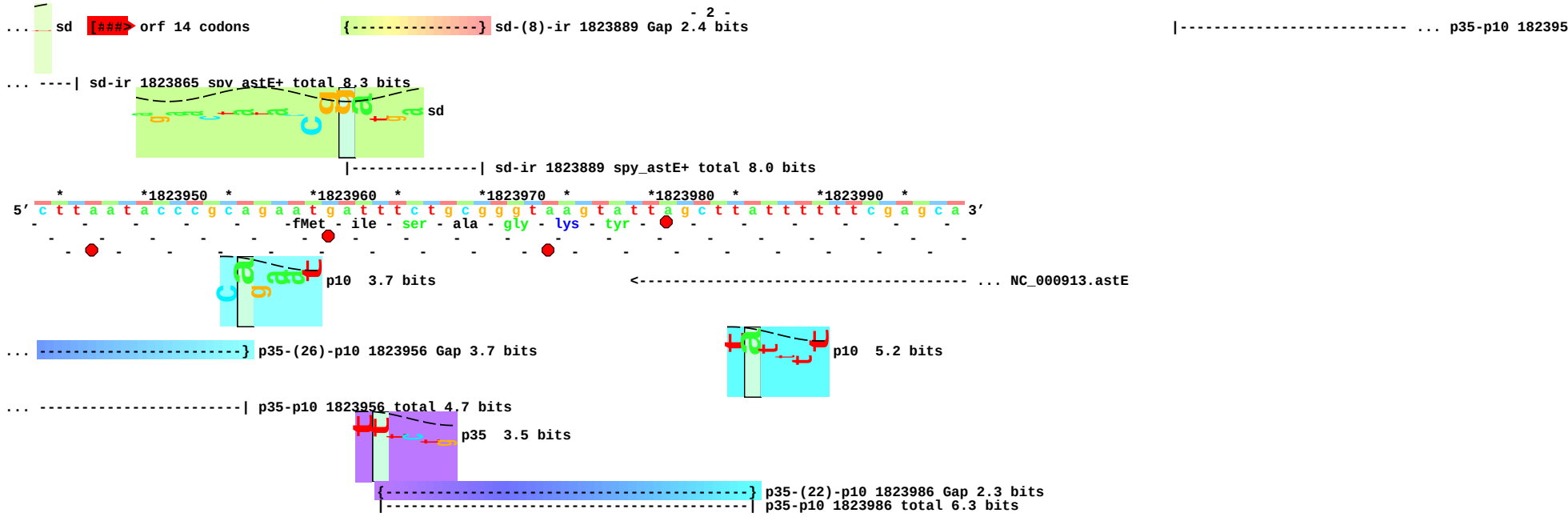

piece 1, NC_000913, spy_astE+, config: linear, direction: +, begin: 1823620, end: 1823998
*1823620 *1823630 *1823640 *1823650 *1823660 *1823670 *1823680 *1823690 *1823700
5′ g g c a a c a a a c a g t g c a g t t a a t t t a c g c a t a t t c t a t a t c c t t c c t t t c a g t t a t t t a t t a c g g c t t t c t t a a g t a g c g t g 3′
- gly - asn - lys - gln - cys - ser - fMet -
- ala - thr - asn - ser - ala - val - asn - leu - arg - ile - phe - tyr - ile - leu - pro - phe - ser - tyr - leu - leu - arg - leu - ser -
- gln - gln - thr - val - gln - leu - ile - tyr - ala - tyr - ser - ile - ser - phe - leu - ser - val - ile - tyr - tyr - gly - phe - leu - lys -
] NC_000913.spy
*1823710 *1823720 *1823730 *1823740 *1823750 *1823760 *1823770 *1823780
5′ c c g t g t t g a c g a g a t t a a c t t t a c t g a c t t t a g c g t c a a t t a a t c a g a g c a a c g g t a a a a c a a t g a a a g t g t a a a a a a c a c 3′
- pro - cys -
-fMet - leu - thr - arg - leu - thr - leu - leu - thr - leu - ala - ser - ile - asn - gln - ser - asn - gly - lys - thr - met - lys - val -
ir spy_astE+
sd
[###> orf 4 codons
{----------} sd-(8)-ir 1823763 Gap 2.4 bits
|----------| sd-ir 1823763 spy_astE+ total 11.2 bits
... ir
{----------} sd-(14)-ir 1823769 Gap 4.9 bits
|----------| sd-ir 1823769 spy_astE+ total 5.5 bits
*1823790 *1823800 *1823810 *1823820 *1823830 *1823840 *1823850 *1823860
5′ t t t t g c g c c a a t t a t g g a g a a a a a a a g a a a a t t t g a t g g a g a g t g a t g a g a g a a t a t t a c a a c a c g a t g a t t t t g c a g a g a 3′
-fMet - met - arg - glu - tyr - tyr - asn - thr - met - ile - leu - gln - arg -
-fMet - glu - lys - lys - arg - lys - phe - asp - gly - glu -
-fMet - arg - gln - leu - trp - arg - lys - lys - glu - asn - leu - met - glu - ser - asp - glu - arg - ile - leu - gln - his - asp - asp - phe - ala - glu - ile -
ir spy_astE+
... ir
sd
ir spy_astE+
{------- ... sd-(6)-ir 1823865
{----------} sd-(9)-ir 1823817 Gap 2.3 bits
... sd
|---------- sd-ir 1823817 spy_astE+ total 7.9 bits
|------- ... sd-ir 1823865 spy_
... ir spy_astE+
sd
p10 2.8 bits
{----------} sd-(7)-ir 1823827 Gap 3.7 bits
|----------| sd-ir 1823827 spy_astE+ total 10.7 bits
p35 4.7 bits
{----------} p35-(22)-p10 1823837 Gap 2.3 bits
|----------| p35-p10 1823837 total 5.1 bits
*1823870 *1823880 *1823890 *1823900 *1823910 *1823920 *1823930 *1823940
5′ t t a t g a a g a a c t a t a c c g g a t g a c t g g t g a t a a a t a a a g c a a a t a a c c a g g a t t a a t c t g t a t t a a t t t a t a a g a a a g c a a 3′
- leu -
-fMet - thr - gly - asp - lys -
- met - lys - asn - tyr - thr - gly -
-fMet - ile - asn - lys - ala - asn - asn - gln - asp -
... ir spy_astE+
ir spy_astE+
[###> orf 10 codons
p35 4.7 bits
... ----} sd-(6)-ir 1823865 Gap 4.3 bits
[###> orf 23 codons
{---------- ... p35-(26)-p10 18239


... sd [###> orf 14 codons {----------} sd-(8)-ir 1823889 Gap 2.4 bits |---------- ... p35-p10 182395
... ----| sd-ir 1823865 spy_astE+ total 8.3 bits
sd
|----------| sd-ir 1823889 spy_astE+ total 8.0 bits
*1823950 *1823960 *1823970 *1823980 *1823990
5' c t t a a t a c c c g c a g a a t g a t t t c t g c g g g t a a g t a t t a g c t t a t t t t t t c g a g c a 3'
-fMet - ile - ser - ala - gly - lys - tyr -
p10 3.7 bits
<---------- ... NC_000913.astE
... ----------} p35-(26)-p10 1823956 Gap 3.7 bits
p10 5.2 bits
... ----------| p35-p10 1823956 total 4.7 bits
p35 3.5 bits
{----------} p35-(22)-p10 1823986 Gap 2.3 bits
|----------| p35-p10 1823986 total 6.3 bits