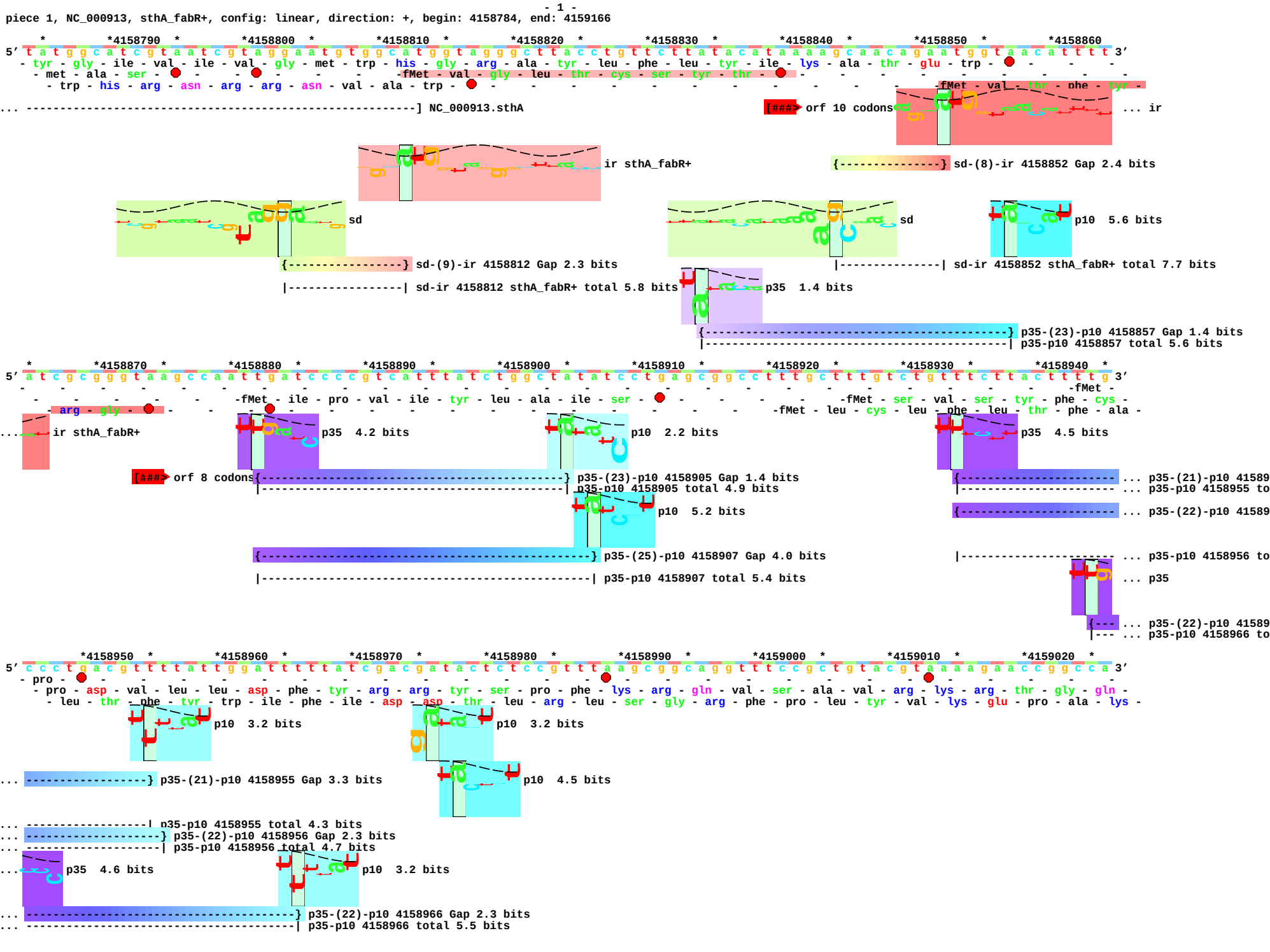
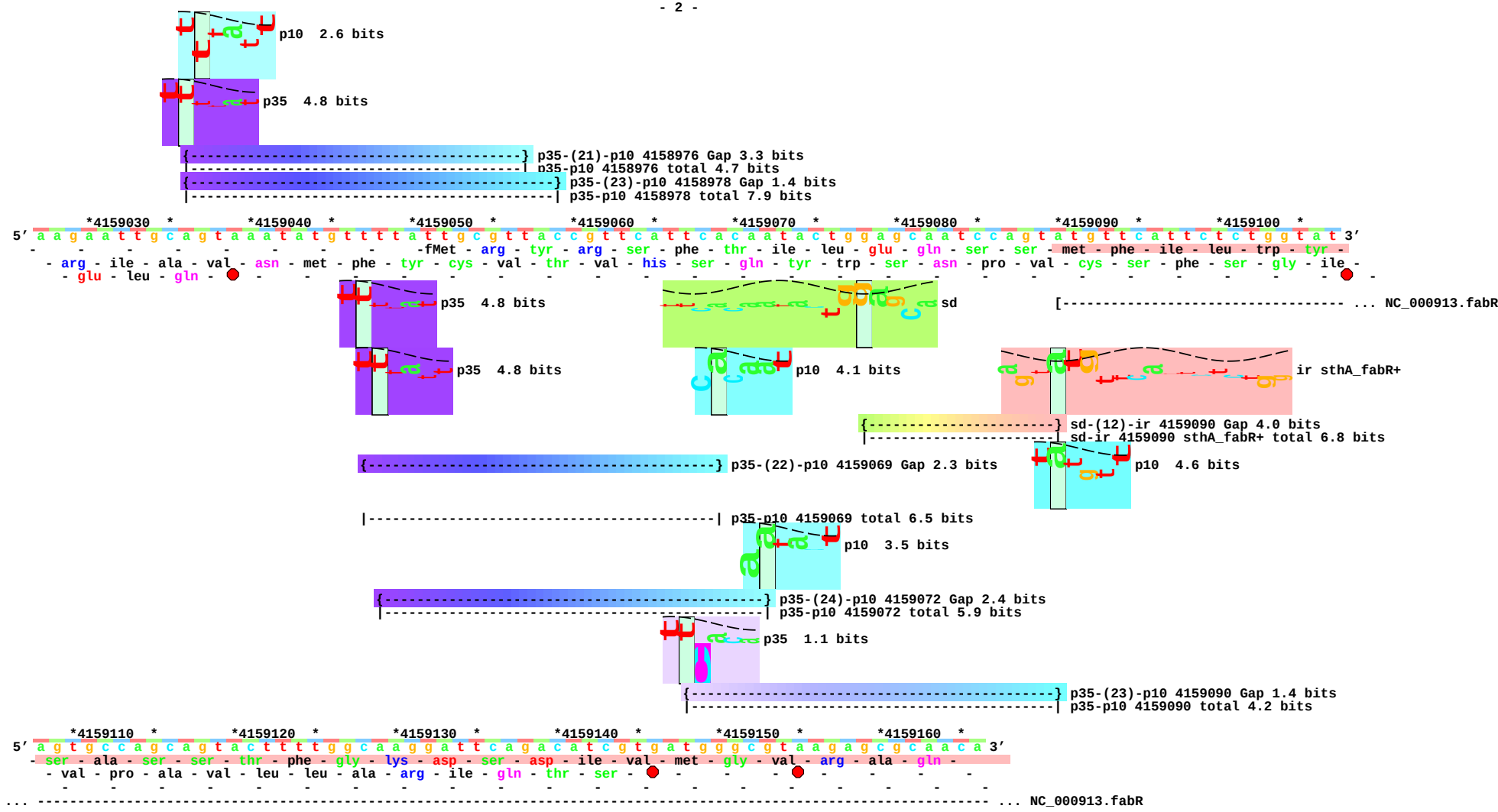

piece 1, NC_000913, sthA_fabR+, config: linear, direction: +, begin: 4158784, end: 4159166
*4158790 *4158800 *4158810 *4158820 *4158830 *4158840 *4158850 *4158860
5′ t a t g g c a t c g t a a t c g t a g g a a t g t g g c a t g g t a g g g c t t a c c t g t t c t t a t a c a t a a a a g c a a c a g a a t g g t a a c a t t t t 3′
- tyr - gly - ile - val - ile - val - gly - met - trp - his - gly - arg - ala - tyr - leu - phe - leu - tyr - ile - lys - ala - thr - glu - trp -
- met - ala - ser - -fMet - val - gly - leu - thr - cys - ser - tyr - thr -
- trp - his - arg - asn - arg - arg - asn - val - ala - trp -
-fMet - val - thr - phe - tyr -
... ----------] NC_000913.sthA
[###> orf 10 codons
... ir
ir sthA_fabR+
{----------} sd-(8)-ir 4158852 Gap 2.4 bits
sd
sd
p10 5.6 bits
{----------} sd-(9)-ir 4158812 Gap 2.3 bits
|----------| sd-ir 4158852 sthA_fabR+ total 7.7 bits
|----------| sd-ir 4158812 sthA_fabR+ total 5.8 bits
p35 1.4 bits
{----------} p35-(23)-p10 4158857 Gap 1.4 bits
|----------| p35-p10 4158857 total 5.6 bits
*4158870 *4158880 *4158890 *4158900 *4158910 *4158920 *4158930 *4158940
5′ a t c g c g g g t a a g c c a a t t g a t c c c c g t c a t t t a t c t g g c t a t a t c c t g a g c g g c c t t t g c t t t g t c t g t t t c t t a c t t t t g 3′
-fMet -
-fMet - ile - pro - val - ile - tyr - leu - ala - ile - ser -
-fMet - ser - val - ser - tyr - phe - cys -
- arg - gly -
-fMet - leu - cys - leu - phe - leu - thr - phe - ala -
... ir sthA_fabR+
p35 4.2 bits
p10 2.2 bits
p35 4.5 bits
[###> orf 8 codons
{----------} p35-(23)-p10 4158905 Gap 1.4 bits
|----------| p35-p10 4158905 total 4.9 bits
{---------- ... p35-(21)-p10 41589
|---------- ... p35-p10 4158955 to
p10 5.2 bits
{---------- ... p35-(22)-p10 41589
{----------} p35-(25)-p10 4158907 Gap 4.0 bits
|----------| p35-p10 4158907 total 5.4 bits
|---------- ... p35-p10 4158956 to
... p35
{--- ... p35-(22)-p10 41589
|--- ... p35-p10 4158966 to
*4158950 *4158960 *4158970 *4158980 *4158990 *4159000 *4159010 *4159020
5′ c c c t g a c g t t t t a t t g g a t t t t t a t c g a c g a t a c t c t c c g t t t a a g c g g c a g g t t t c c g c t g t a c g t a a a a g a a c c g g c c a 3′
- pro -
- pro - asp - val - leu - leu - asp - phe - tyr - arg - arg - tyr - ser - pro - phe - lys - arg - gln - val - ser - ala - val - arg - lys - arg - thr - gly - gln -
- leu - thr - phe - tyr - trp - ile - phe - ile - asp - asp - thr - leu - arg - leu - ser - gly - arg - phe - pro - leu - tyr - val - lys - glu - pro - ala - lys -
p10 3.2 bits
p10 3.2 bits
... ----------} p35-(21)-p10 4158955 Gap 3.3 bits
p10 4.5 bits
... ----------| p35-p10 4158955 total 4.3 bits
... ----------} p35-(22)-p10 4158956 Gap 2.3 bits
... ----------| p35-p10 4158956 total 4.7 bits
... p35 4.6 bits
p10 3.2 bits
... ----------} p35-(22)-p10 4158966 Gap 2.3 bits
... ----------| p35-p10 4158966 total 5.5 bits


p10 2.6 bits
p35 4.8 bits
p35-(21)-p10 4158976 Gap 3.3 bits
p35-p10 4158976 total 4.7 bits
p35-(23)-p10 4158978 Gap 1.4 bits
p35-p10 4158978 total 7.9 bits
*4159030 *4159040 *4159050 *4159060 *4159070 *4159080 *4159090 *4159100 *
5' a a g a a t t g c a g t a a a t a t g t t t t a t t g c g t t a c c g t t c a t t c a c a a t a c t g g a g c a a t c c a g t a t g t t c a t t c t c t g g t a t 3'
-fMet - arg - tyr - arg - ser - phe - thr - ile - leu - glu - gln - ser - ser - met - phe - ile - leu - trp - tyr -
- arg - ile - ala - val - asn - met - phe - tyr - cys - val - thr - val - his - ser - gln - tyr - trp - ser - asn - pro - val - cys - ser - phe - ser - gly - ile -
- glu - leu - gln -
p35 4.8 bits
sd
[---------- ... NC_000913.fabR
p35 4.8 bits
p10 4.1 bits
ir sthA_fabR+
sd-(12)-ir 4159090 Gap 4.0 bits
sd-ir 4159090 sthA_fabR+ total 6.8 bits
p35-(22)-p10 4159069 Gap 2.3 bits
p10 4.6 bits
p35-p10 4159069 total 6.5 bits
p10 3.5 bits
p35-(24)-p10 4159072 Gap 2.4 bits
p35-p10 4159072 total 5.9 bits
p35 1.1 bits
p35-(23)-p10 4159090 Gap 1.4 bits
p35-p10 4159090 total 4.2 bits
*4159110 *4159120 *4159130 *4159140 *4159150 *4159160 *
5' a g t g c c a g c a g t a c t t t t g g c a a g g a t t c a g a c a t c g t g a t g g g c g t a a g a g c g c a a c a 3'
- ser - ala - ser - ser - thr - phe - gly - lys - asp - ser - asp - ile - val - met - gly - val - arg - ala - gln -
- val - pro - ala - val - leu - leu - ala - arg - ile - gln - thr - ser -
... NC_000913.fabR