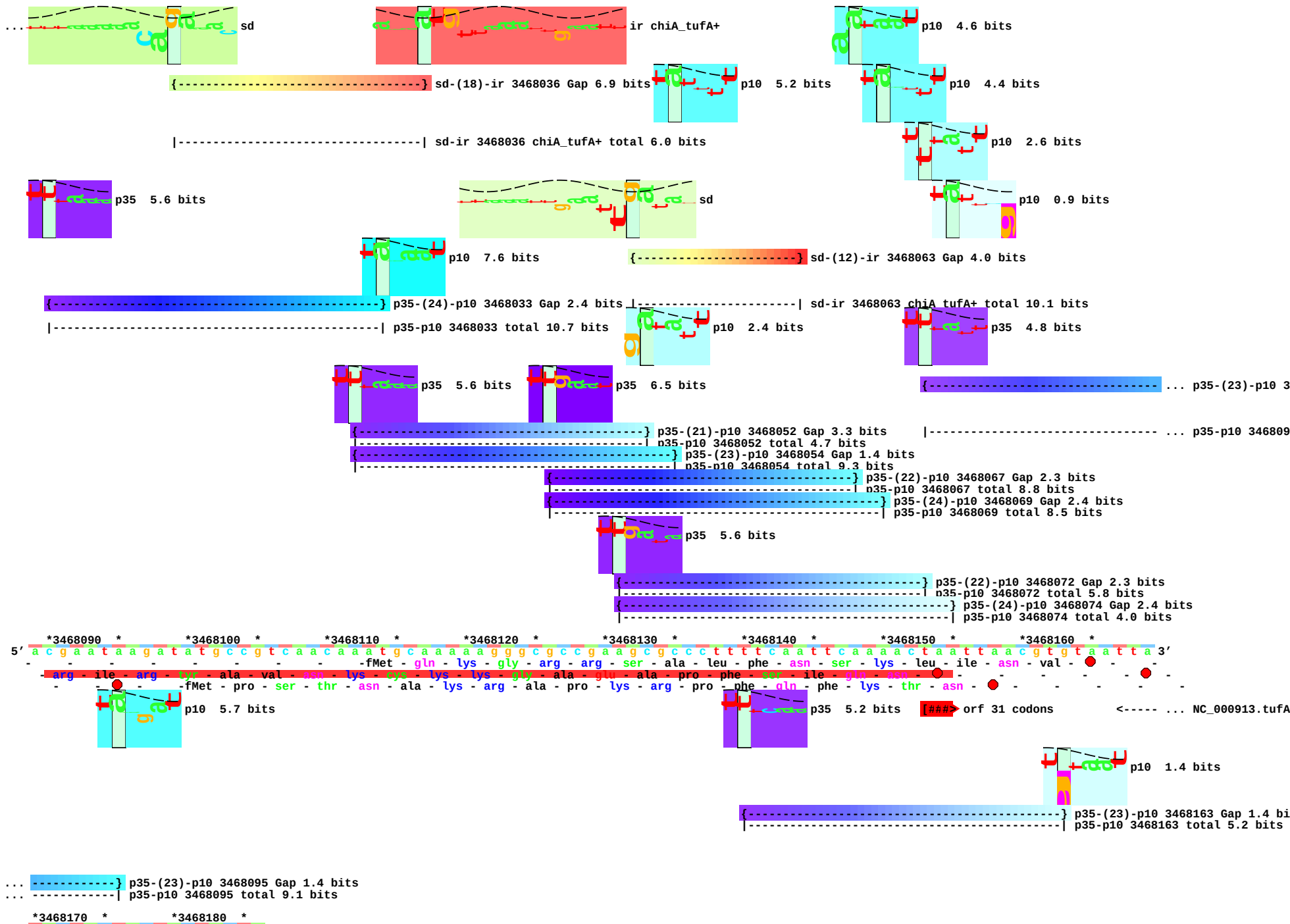
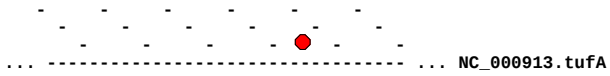
piece 1, NC_000913, chiA_tufA+, config: linear, direction: +, begin: 3467846, end: 3468186
*3467850 *3467860 *3467870 *3467880 *3467890 *3467900 *3467910 *3467920 *
5′ c a t a g a t t t a g t a a a t a t a t t t a a t t t c a t t a t a a t c c c t t g t g a c g t a a a a a c t g c a a a a c a a a a g t c c t a c g c a g g a a t 3′
- his - arg - phe - ser - lys - tyr - ile - fMet -
- ile - asp - leu - val - asn - ile - phe - asn - phe - ile - ile - ile - pro - cys - asp - val - lys - thr - ala - lys - gln - lys - ser - tyr - ala - gly - ile -
fMet - thr -
...] NC_000913.chiA
p10 2.7 bits
p35 3.8 bits
p10 4.2 bits
} p35-(21)-p10 3467874 Gap 3.3 bits
| p35-p10 3467874 total 4.7 bits
p10 8.4 bits
} p35-(24)-p10 3467877 Gap 2.4 bits
| p35-p10 3467877 total 9.8 bits
p35 5.3 bits
} p35-(25)-p10 3467896 Gap 4.0 bits
| p35-p10 3467896 total 4.0 bits
*3467930 *3467940 *3467950 *3467960 *3467970 *3467980 *3467990 *3468000 *
5′ t a t t t a c g t t t t a c g a g a a c c c t t c a a t a t g a a t t a a a t t a c g g c a t t a a a a a t a a g a a a a a a g c c t g a c a a a t g a a g c a t 3′
fMet - lys - his -
- ile - tyr - val - leu - arg - glu - pro - phe - asn - met - asn -
sd
ir chiA_tufA+
... ir
p35 4.6 bits
[###> orf 3 codons
sd
... sd
} sd-(12)-ir 3467955 Gap 4.0 bits
| sd-ir 3467955 chiA_tufA+ total 7.7 bits
} sd-(16)-ir 3467999 Gap 6.4 bits
| sd-ir 3467999 chiA_tufA+ total 7.1 bits
p35 4.6 bits
p10 3.4 bits
} p35-(22)-p10 3467952 Gap 2.3 bits
| p35-p10 3467952 total 5.7 bits
p10 3.7 bits
} p35-(24)-p10 3467961 Gap 2.4 bits
| p35-p10 3467961 total 5.9 bits
p10 5.7 bits
} p35-(25)-p10 3467962 Gap 4.0 bits
| p35-p10 3467962 total 6.4 bits
*3468010 *3468020 *3468030 *3468040 *3468050 *3468060 *3468070 *3468080 *
5′ t t t a a a a a c a g a a a c a t t c a t a t t t a a a a t g t t a a a t t g a a t t g a t a t t t t a a a t a t g a a t a a t t t a t t c g t t c t g a c a g t 3′
- phe - lys - asn - arg - asn - ile - his - ile - fMet - asn -
fMet - leu - asn -
fMet - asn - asn - leu - phe - val - leu - thr - val -
fMet - ile - phe -
... ir chiA_tufA+
[###> orf 12 codons
[###> orf 4 codons
ir chiA_tufA+


sd
ir chiA_tufA+
p10 4.6 bits
sd-(18)-ir 3468036 Gap 6.9 bits
p10 5.2 bits
p10 4.4 bits
sd-ir 3468036 chiA_tufA+ total 6.0 bits
p10 2.6 bits
p35 5.6 bits
sd
p10 0.9 bits
p10 7.6 bits
sd-(12)-ir 3468063 Gap 4.0 bits
p35-(24)-p10 3468033 Gap 2.4 bits
sd-ir 3468063 chiA_tufA+ total 10.1 bits
p35-p10 3468033 total 10.7 bits
p10 2.4 bits
p35 4.8 bits
p35 5.6 bits
p35 6.5 bits
... p35-(23)-p10 3
p35-(21)-p10 3468052 Gap 3.3 bits
... p35-p10 346809
p35-p10 3468052 total 4.7 bits
p35-(23)-p10 3468054 Gap 1.4 bits
p35-p10 3468054 total 9.3 bits
p35-(22)-p10 3468067 Gap 2.3 bits
p35-p10 3468067 total 8.8 bits
p35-(24)-p10 3468069 Gap 2.4 bits
p35-p10 3468069 total 8.5 bits
p35 5.6 bits
p35-(22)-p10 3468072 Gap 2.3 bits
p35-p10 3468072 total 5.8 bits
p35-(24)-p10 3468074 Gap 2.4 bits
p35-p10 3468074 total 4.0 bits
*3468090 *3468100 *3468110 *3468120 *3468130 *3468140 *3468150 *3468160 *
5′ a c g a a t a a g a t a t g c c g t c a a c a a a t g c a a a a a g g g c g c c g a a g c g c c c t t t t c a a t t c a a a a c t a a t t a a c g t g t a a t t a 3′
-fMet - gln - lys - gly - arg - arg - ser - ala - leu - phe - asn - ser - lys - leu - ile - asn - val -
arg - ile - arg - tyr - ala - val - asn - lys - cys - lys - lys - gly - ala - glu - ala - pro - phe - ser - ile - gln - asn -
-fMet - pro - ser - thr - asn - ala - lys - arg - ala - pro - lys - arg - pro - phe - gln - phe - lys - thr - asn -
p10 5.7 bits
p35 5.2 bits
[###> orf 31 codons
<----- ... NC_000913.tufA
p10 1.4 bits
p35-(23)-p10 3468163 Gap 1.4 bi
p35-p10 3468163 total 5.2 bits
... p35-(23)-p10 3468095 Gap 1.4 bits
... p35-p10 3468095 total 9.1 bits
*3468170 *3468180 *
5′ g c c c a g a a c t t t a g c a a 3′


... NC_000913.tufA