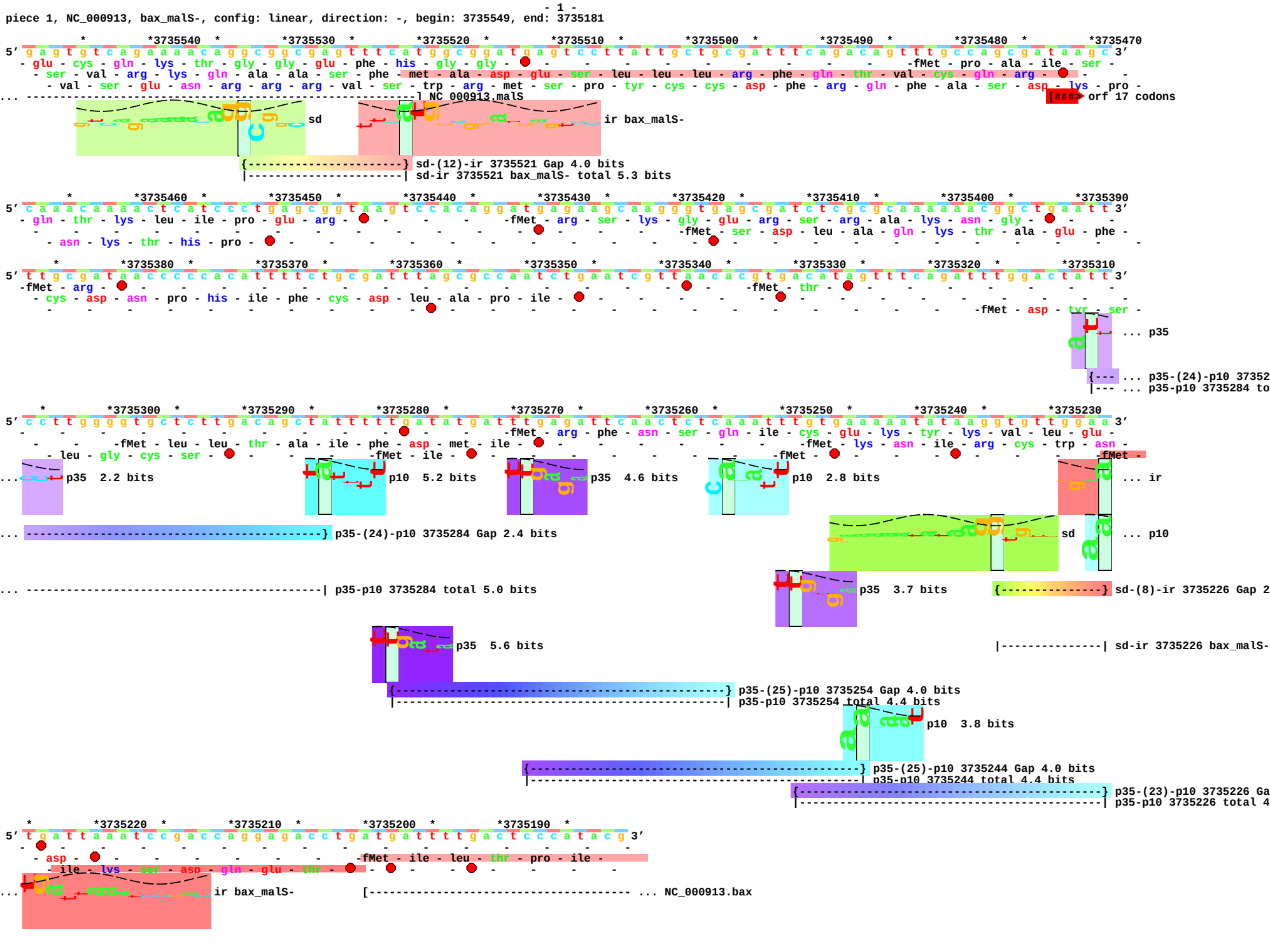
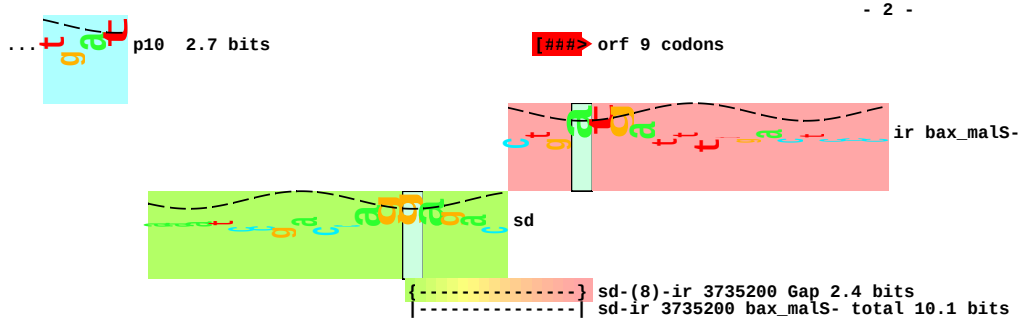

- 1 -
piece 1, NC_000913, bax_malS-, config: linear, direction: -, begin: 3735549, end: 3735181
*3735540 *3735530 *3735520 *3735510 *3735500 *3735490 *3735480 *3735470
5′ g a g t g t c a g a a a a c a g g c g g c g a g t t t c a t g g c g g a t g a g t c c t t a t t g c t g c g a t t t c a g a c a g t t t g c c a g c g a t a a g c 3′
- glu - cys - gln - lys - thr - gly - gly - glu - phe - his - gly - gly - -fMet - pro - ala - ile - ser -
- ser - val - arg - lys - gln - ala - ala - ser - phe - met - ala - asp - glu - ser - leu - leu - leu - arg - phe - gln - thr - val - cys - gln - arg -
- val - ser - glu - asn - arg - arg - arg - val - ser - trp - arg - met - ser - pro - tyr - cys - cys - asp - phe - arg - gln - phe - ala - ser - asp - lys - pro -
... NC_000913.malS [###> orf 17 codons
sd ir bax_malS-
{----------} sd-(12)-ir 3735521 Gap 4.0 bits
|----------| sd-ir 3735521 bax_malS- total 5.3 bits
*3735460 *3735450 *3735440 *3735430 *3735420 *3735410 *3735400 *3735390
5′ c a a a c a a a a c t c a t c c c t g a g c g g t a a g t c c a c a g g a t g a g a a g c a a g g g t g a g c g a t c t c g c g c a a a a a a c g g c t g a a t t 3′
- gln - thr - lys - leu - ile - pro - glu - arg - -fMet - arg - ser - lys - gly - glu - arg - ser - arg - ala - lys - asn - gly -
-fMet - ser - asp - leu - ala - gln - lys - thr - ala - glu - phe -
- asn - lys - thr - his - pro -
*3735380 *3735370 *3735360 *3735350 *3735340 *3735330 *3735320 *3735310
5′ t t g c g a t a a c c c c c a c a t t t t c t g c g a t t t a g c g c c a a t c t g a a t c g t t a a c a c g t g a c a t a g t t t c a g a t t t g g a c t a t t 3′
-fMet - arg - -fMet - thr -
- cys - asp - asn - pro - his - ile - phe - cys - asp - leu - ala - pro - ile -
-fMet - asp - tyr - ser -
... p35
{--- ... p35-(24)-p10 37352
|--- ... p35-p10 3735284 to
*3735300 *3735290 *3735280 *3735270 *3735260 *3735250 *3735240 *3735230
5′ c c t t g g g g t g c t c t t g a c a g c t a t t t t t g a t a t g a t t t g a g a t t c a a c t c t c a a a t t t g t g a a a a a t a t a a g g t g t t g g a a 3′
-fMet - arg - phe - asn - ser - gln - ile - cys - glu - lys - tyr - lys - val - leu - glu -
-fMet - leu - leu - thr - ala - ile - phe - asp - met - ile - -fMet - lys - asn - ile - arg - cys - trp - asn -
- leu - gly - cys - ser - -fMet - ile - -fMet - -fMet -
... p35 2.2 bits p10 5.2 bits p35 4.6 bits p10 2.8 bits ... ir
... {----------} p35-(24)-p10 3735284 Gap 2.4 bits
sd ... p10
... |----------| p35-p10 3735284 total 5.0 bits p35 3.7 bits {----------} sd-(8)-ir 3735226 Gap 2
p35 5.6 bits |----------| sd-ir 3735226 bax_malS-
{----------} p35-(25)-p10 3735254 Gap 4.0 bits
|----------| p35-p10 3735254 total 4.4 bits
p10 3.8 bits
{----------} p35-(25)-p10 3735244 Gap 4.0 bits
|----------| p35-p10 3735244 total 4.4 bits
{----------} p35-(23)-p10 3735226 Ga
|----------| p35-p10 3735226 total 4
*3735220 *3735210 *3735200 *3735190 *
5′ t g a t t a a a t c c g a c c a g g a g a c c t g a t g a t t t t g a c t c c c a t a c g 3′
- asp - -fMet - ile - leu - thr - pro - ile -
- ile - lys - ser - asp - gln - glu - thr -
... ir bax_malS- [---------- ... NC_000913.bax


...
p10 2.7 bits
[###> orf 9 codons
ir bax_malS-
sd
{----------} sd-(8)-ir 3735200 Gap 2.4 bits
|----------| sd-ir 3735200 bax_malS- total 10.1 bits