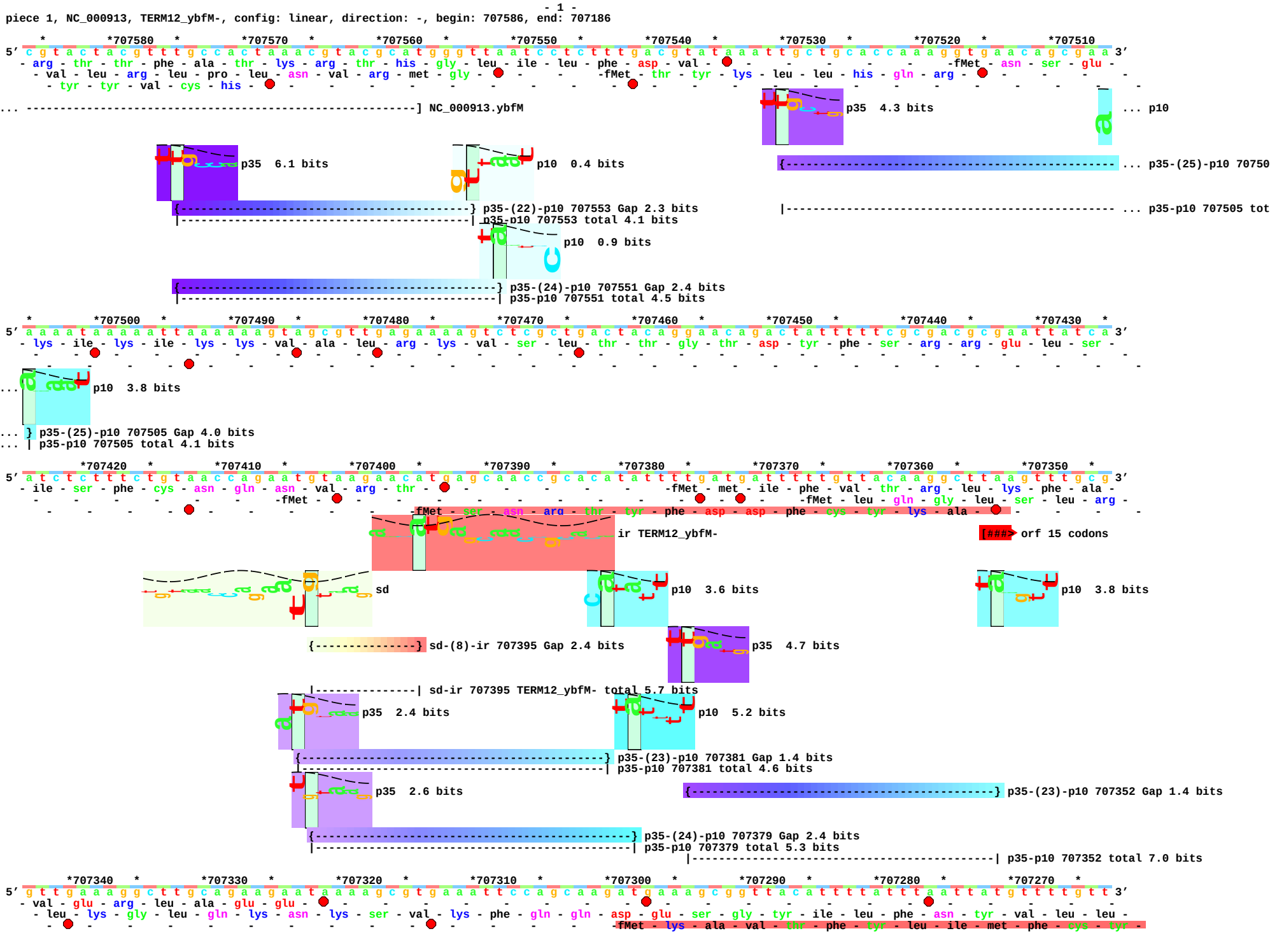
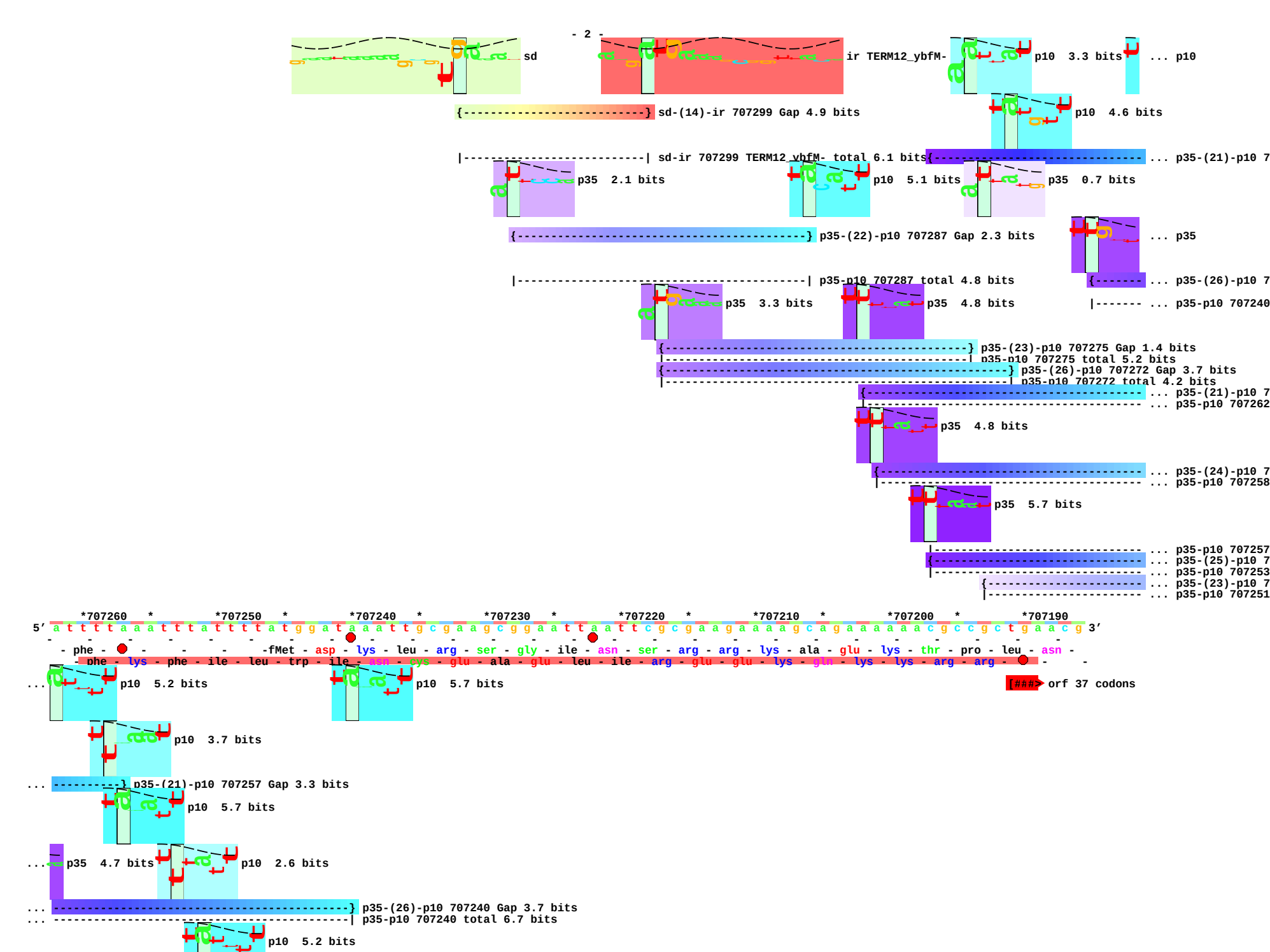

piece 1, NC_000913, TERM12_ybfM-, config: linear, direction: -, begin: 707586, end: 707186
*707580 *707570 *707560 *707550 *707540 *707530 *707520 *707510
5′ c g t a c t a c g t t t g c c a c t a a a c g t a c g c a t g g t t a a t c c t c t t t g a c g t a t a a a t t g c t g c a c c a a a g g t g a a c a g c g a a 3′
- arg - thr - thr - phe - ala - thr - lys - arg - thr - his - gly - leu - ile - leu - phe - asp - val -
- val - leu - arg - leu - pro - leu - asn - val - arg - met - gly -
-fMet - thr - tyr - lys - leu - leu - his - gln - arg -
-fMet - asn - ser - glu -
- tyr - tyr - val - cys - his -
... ----------] NC_000913.ybfM
p35 4.3 bits
... p10
p35 6.1 bits
p10 0.4 bits
{---------- ... p35-(25)-p10 70750
{----------} p35-(22)-p10 707553 Gap 2.3 bits
|----------| p35-p10 707553 total 4.1 bits
|---------- ... p35-p10 707505 tot
p10 0.9 bits
{----------} p35-(24)-p10 707551 Gap 2.4 bits
|----------| p35-p10 707551 total 4.5 bits
*707500 *707490 *707480 *707470 *707460 *707450 *707440 *707430
5′ a a a a t a a a a a t t a a a a a a g t a g c g t t g a g a a a a g t c t c g c t g a c t a c a g g a a c a g a c t a t t t t t c g c g a c g c g a a t t a t c a 3′
- lys - ile - lys - ile - lys - lys - val - ala - leu - arg - lys - val - ser - leu - thr - thr - gly - thr - asp - tyr - phe - ser - arg - arg - glu - leu - ser -
... p10 3.8 bits
... } p35-(25)-p10 707505 Gap 4.0 bits
... | p35-p10 707505 total 4.1 bits
*707420 *707410 *707400 *707390 *707380 *707370 *707360 *707350
5′ a t c t c t t t c t g t a a c c a g a a t g t a a g a a c a t g a g c a a c c g c a c a t a t t t t g a t g a t t t t t g t t a c a a g g c t t a a g t t t g c g 3′
- ile - ser - phe - cys - asn - gln - asn - val - arg - thr -
-fMet - met - ile - phe - val - thr - arg - leu - lys - phe - ala -
-fMet - leu - gln - gly - leu - ser - leu - arg -
-fMet - ser - asn - arg - thr - tyr - phe - asp - asp - phe - cys - tyr - lys - ala -
ir TERM12_ybfM-
[###> orf 15 codons
sd
p10 3.6 bits
p10 3.8 bits
{----------} sd-(8)-ir 707395 Gap 2.4 bits
p35 4.7 bits
|----------| sd-ir 707395 TERM12_ybfM- total 5.7 bits
p35 2.4 bits
p10 5.2 bits
{----------} p35-(23)-p10 707381 Gap 1.4 bits
|----------| p35-p10 707381 total 4.6 bits
p35 2.6 bits
{----------} p35-(23)-p10 707352 Gap 1.4 bits
{----------} p35-(24)-p10 707379 Gap 2.4 bits
|----------| p35-p10 707379 total 5.3 bits
|----------| p35-p10 707352 total 7.0 bits
*707340 *707330 *707320 *707310 *707300 *707290 *707280 *707270
5′ g t t g a a a g g c t t g c a g a a g a a t a a a a g c g t g a a a t t c c a g c a a g a t g a a a g c g g t t a c a t t t t a t t t a a t t a t g t t t t g t t 3′
- val - glu - arg - leu - ala - glu - glu -
- leu - lys - gly - leu - gln - lys - asn - lys - ser - val - lys - phe - gln - gln - asp - glu - ser - gly - tyr - ile - leu - phe - asn - tyr - val - leu - leu -
-fMet - lys - ala - val - thr - phe - tyr - leu - ile - met - phe - cys - tyr -


- 2 -
sd
ir TERM12_ybfM-
p10 3.3 bits
... p10
sd-(14)-ir 707299 Gap 4.9 bits
p10 4.6 bits
sd-ir 707299 TERM12_ybfM- total 6.1 bits
... p35-(21)-p10 7
p35 2.1 bits
p10 5.1 bits
p35 0.7 bits
p35-(22)-p10 707287 Gap 2.3 bits
... p35
p35-p10 707287 total 4.8 bits
... p35-(26)-p10 7
p35 3.3 bits
p35 4.8 bits
... p35-p10 707240
p35-(23)-p10 707275 Gap 1.4 bits
p35-p10 707275 total 5.2 bits
p35-(26)-p10 707272 Gap 3.7 bits
p35-p10 707272 total 4.2 bits
... p35-(21)-p10 7
... p35-p10 707262
p35 4.8 bits
... p35-(24)-p10 7
... p35-p10 707258
p35 5.7 bits
... p35-p10 707257
... p35-(25)-p10 7
... p35-p10 707253
... p35-(23)-p10 7
... p35-p10 707251
*707260
*707250
*707240
*707230
*707220
*707210
*707200
*707190
5' a t t t t a a a t t t a t t t t a t g g a t a a a t t g c g a a g c g g a a t t a a t t c g c g a a g a a a a a g c a g a a a a a a c g c c g c t g a a c g 3'
- phe - lys - phe - ile - leu - trp - ile - asn - cys - glu - ala - glu - leu - ile - arg - glu - glu - lys - gln - lys - lys - arg - arg -
fMet - asp - lys - leu - arg - ser - gly - ile - asn - ser - arg - arg - lys - ala - glu - lys - thr - pro - leu - asn -
... p10 5.2 bits
p10 5.7 bits
[###> orf 37 codons
p10 3.7 bits
... p35-(21)-p10 707257 Gap 3.3 bits
p10 5.7 bits
... p35 4.7 bits
p10 2.6 bits
... p35-(26)-p10 707240 Gap 3.7 bits
... p35-p10 707240 total 6.7 bits
p10 5.2 bits

```
... } p35-(21)-p10 707262 Gap 3.3 bits
... | p35-p10 707262 total 6.7 bits

... --------} p35-(24)-p10 707258 Gap 2.4 bits
... --------| p35-p10 707258 total 6.1 bits

... ----------| p35-p10 707257 total 8.1 bits
... ------------------} p35-(25)-p10 707253 Gap 4.0 bits
... ------------------| p35-p10 707253 total 4.3 bits
... ----------------------} p35-(23)-p10 707251 Gap 1.4 bits
... ----------------------| p35-p10 707251 total 4.5 bits
```