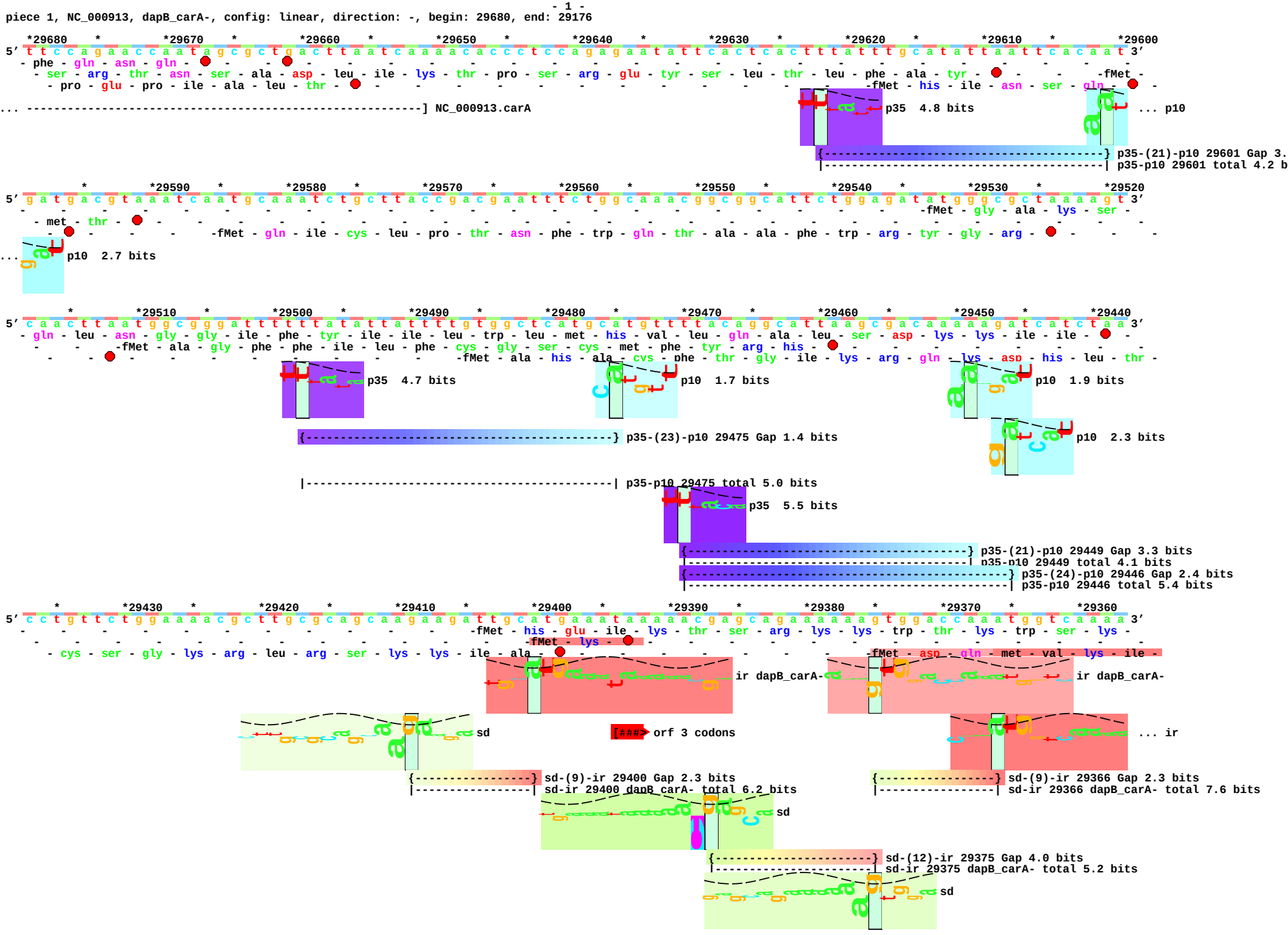
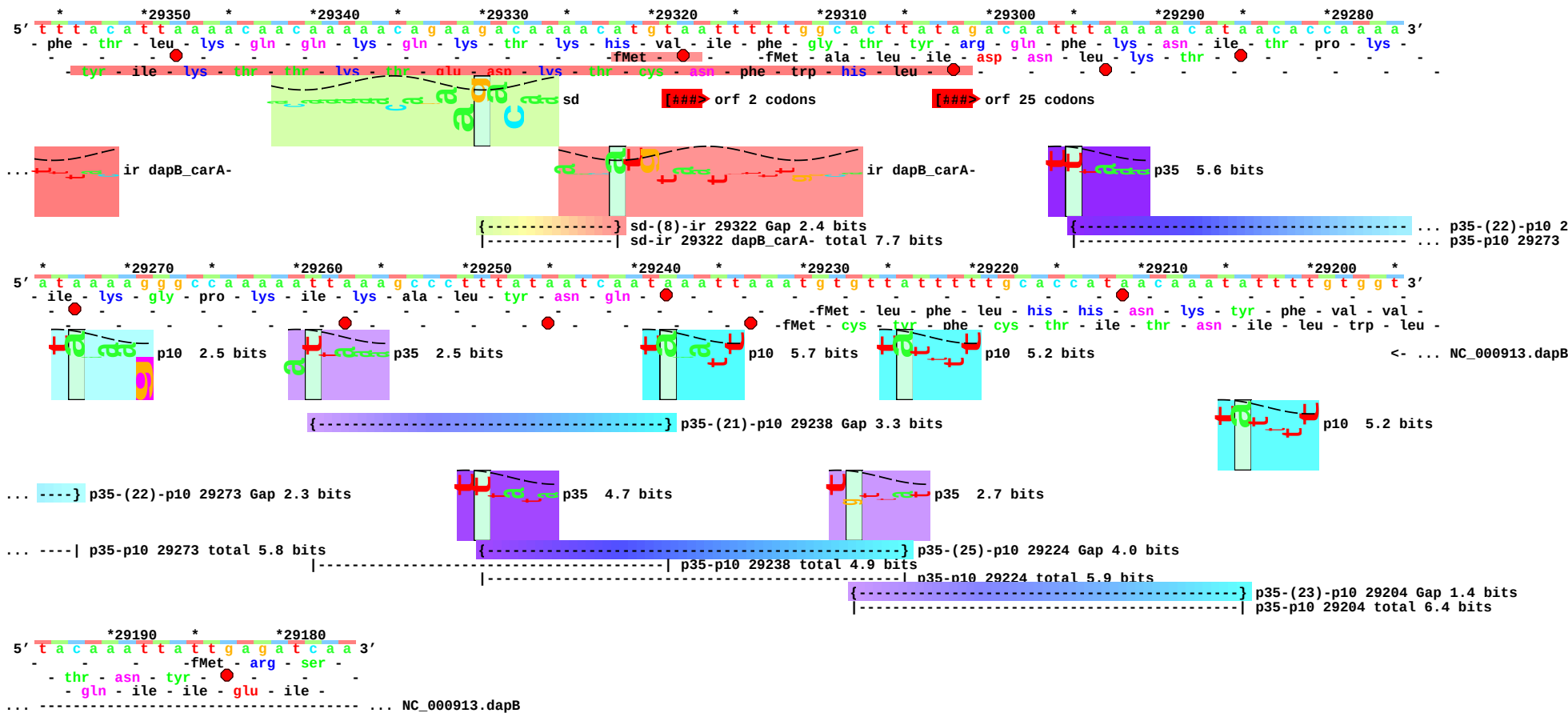

piece 1, NC_000913, dapB_carA-, config: linear, direction: -, begin: 29680, end: 29176
*29680 *29670 *29660 *29650 *29640 *29630 *29620 *29610 *29600
5′ t t c c a g a a c c a a t a g c g c t g a c t t a a t c a a a a c a c c c t c c a g a g a a t a t t c a c t c a c t t t a t t t g c a t a t t a a t t c a c a a t 3′
- phe - gln - asn - gln -
- ser - arg - thr - asn - ser - ala - asp - leu - ile - lys - thr - pro - ser - arg - glu - tyr - ser - leu - thr - leu - phe - ala - tyr - - - -fMet -
- pro - glu - pro - ile - ala - leu - thr -fMet - his - ile - asn - ser - gln - -
... ----------] NC_000913.carA
p35 4.8 bits
... p10
{----------} p35-(21)-p10 29601 Gap 3.
|----------| p35-p10 29601 total 4.2 b
*29590 *29580 *29570 *29560 *29550 *29540 *29530 *29520
5′ g a t g a c g t a a a t c a a t g c a a a t c t g c t t a c c g a c g a a t t c t g g c a a a c g g c g g c a t t c t g g a g a t a t g g g c g c t a a a a g t 3′
- -fMet - gly - ala - lys - ser -
- met - thr -
- - - - -fMet - gln - ile - cys - leu - pro - thr - asn - phe - trp - gln - thr - ala - ala - phe - trp - arg - tyr - gly - arg - - - -
... p10 2.7 bits
*29510 *29500 *29490 *29480 *29470 *29460 *29450 *29440
5′ c a a c t t a a t g g c g g g a t t t t t t a t a t t a t t t t g t g g c t c a t g c a t g t t t t a c a g g c a t t a a g c g a c a a a a a g a t c a t c t a a 3′
- gln - leu - asn - gly - gly - ile - phe - tyr - ile - ile - leu - trp - leu - met - his - val - leu - gln - ala - leu - ser - asp - lys - lys - ile - ile - - -
- - - -fMet - ala - gly - phe - phe - ile - leu - phe - cys - gly - ser - cys - met - phe - tyr - arg - his - - - - - - - - - - - - - -
- - - - - - - - - - - - - -fMet - ala - his - ala - cys - phe - thr - gly - ile - lys - arg - gln - lys - asp - his - leu - thr -
p35 4.7 bits
p10 1.7 bits
p10 1.9 bits
{----------} p35-(23)-p10 29475 Gap 1.4 bits
p10 2.3 bits
|----------| p35-p10 29475 total 5.0 bits
p35 5.5 bits
{----------} p35-(21)-p10 29449 Gap 3.3 bits
|----------| p35-p10 29449 total 4.1 bits
{----------} p35-(24)-p10 29446 Gap 2.4 bits
|----------| p35-p10 29446 total 5.4 bits
*29430 *29420 *29410 *29400 *29390 *29380 *29370 *29360
5′ c c t g t t c t g g a a a a c g c t t g c g c a g c a a g a a g a t t g c a t g a a a t a a a a a c g a g c a g a a a a a a g t g g a c c a a a t g g t c a a a a 3′
- - - - - - - - - - - - - - - - - - - -


*29350 *29340 *29330 *29320 *29310 *29300 *29290 *29280
5′ t t t a c a t t a a a a c a a c a a a a a a c a g a a g a c a a a a c a t g t a a t t t t t g g c a c t t a t a g a c a a t t t a a a a a c a t a a c a c c a a a a 3′
- phe - thr - leu - lys - gln - gln - lys - gln - lys - thr - lys - his - val - ile - phe - gly - thr - tyr - arg - gln - phe - lys - asn - ile - thr - pro - lys -
fMet fMet ala leu ile asp asn leu lys thr
tyr ile lys thr thr lys thr glu asp lys thr cys asn phe trp his leu
sd
[###> orf 2 codons
[###> orf 25 codons
ir dapB_carA-
ir dapB_carA-
p35 5.6 bits
{----------} sd-(8)-ir 29322 Gap 2.4 bits
|----------| sd-ir 29322 dapB_carA- total 7.7 bits
... p35-(22)-p10 2
... p35-p10 29273
*29270 *29260 *29250 *29240 *29230 *29220 *29210 *29200
5′ a t a a a a g g g c c a a a a a t t a a a g c c c t t t a t a a t c a a t a a a t t a a a t g t g t t a t t t t t g c a c c a t a a c a a a t a t t t t g t g g t 3′
- ile - lys - gly - pro - lys - ile - lys - ala - leu - tyr - asn - gln -
fMet leu phe leu his his asn lys tyr phe val val
fMet cys tyr phe cys thr ile thr asn ile leu trp leu
p10 2.5 bits
p35 2.5 bits
p10 5.7 bits
p10 5.2 bits
<- ... NC_000913.dapB
{----------} p35-(21)-p10 29238 Gap 3.3 bits
p10 5.2 bits
... ----} p35-(22)-p10 29273 Gap 2.3 bits
p35 4.7 bits
p35 2.7 bits
... ----| p35-p10 29273 total 5.8 bits
{----------} p35-(25)-p10 29224 Gap 4.0 bits
|----------| p35-p10 29238 total 4.9 bits
|----------| p35-p10 29224 total 5.9 bits
{----------} p35-(23)-p10 29204 Gap 1.4 bits
|----------| p35-p10 29204 total 6.4 bits
*29190 *29180
5′ t a c a a a t t a t t g a g a t c a a 3′
fMet arg ser
thr asn tyr
gln ile ile glu ile
... ---------- ... NC_000913.dapB