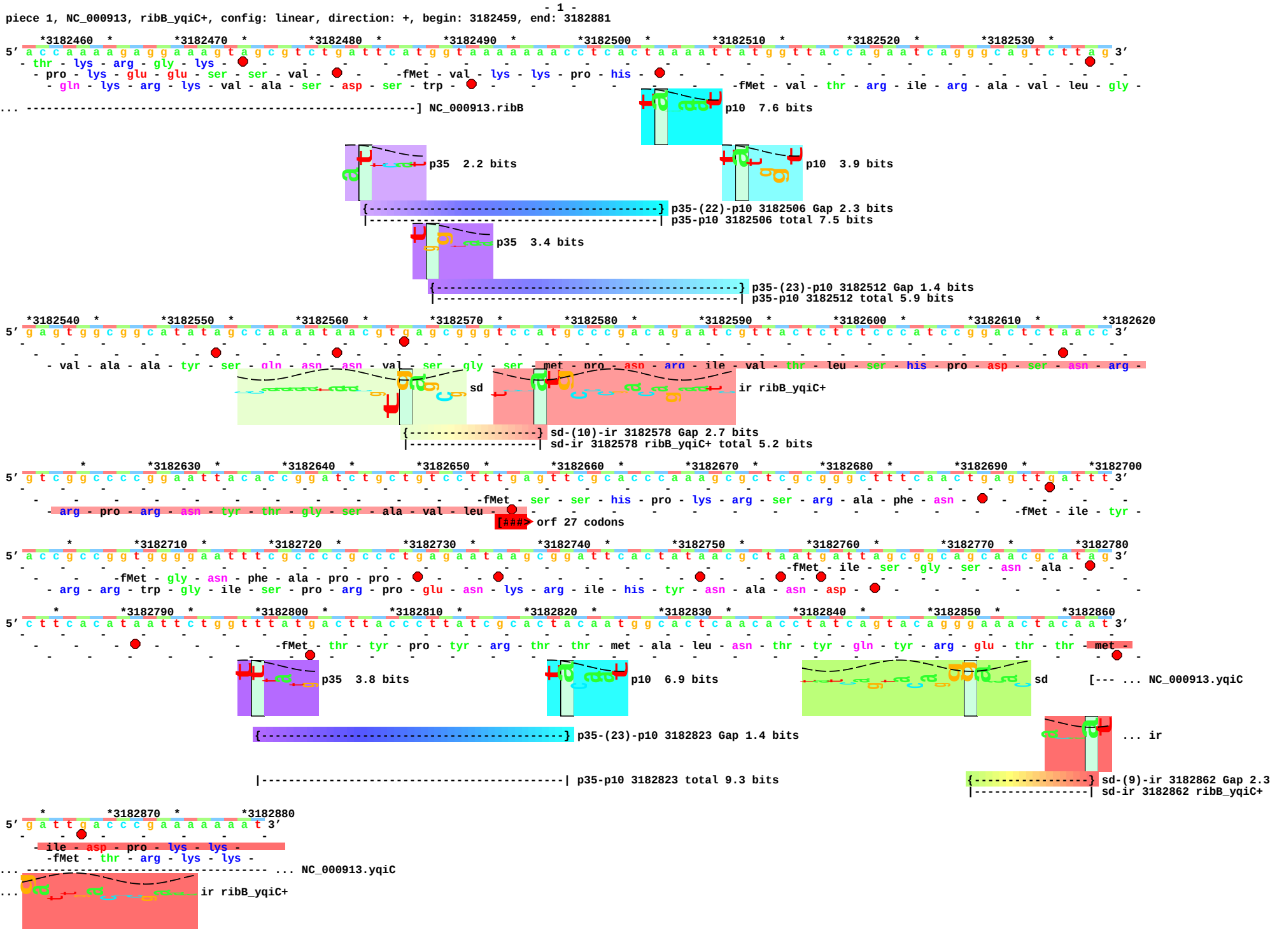
piece 1, NC_000913, ribB_yqiC+, config: linear, direction: +, begin: 3182459, end: 3182881
*3182460 *3182470 *3182480 *3182490 *3182500 *3182510 *3182520 *3182530 *
5′ a c c a a a a g a g g a a a g t a g c g t c t g a t t c a t g g t a a a a a a a c c t c a c t a a a a t t a t g g t t a c c a g a a t c a g g g c a g t c t t a g 3′
- thr - lys - arg - gly - lys -
- pro - lys - glu - glu - ser - ser - val -
-fMet - val - lys - lys - pro - his -
- gln - lys - arg - lys - val - ala - ser - asp - ser - trp -
-fMet - val - thr - arg - ile - arg - ala - val - leu - gly -
... ----------] NC_000913.ribB
p10 7.6 bits
p35 2.2 bits
p10 3.9 bits
{----------} p35-(22)-p10 3182506 Gap 2.3 bits
|----------| p35-p10 3182506 total 7.5 bits
p35 3.4 bits
{----------} p35-(23)-p10 3182512 Gap 1.4 bits
|----------| p35-p10 3182512 total 5.9 bits
*3182540 *3182550 *3182560 *3182570 *3182580 *3182590 *3182600 *3182610 *3182620
5′ g a g t g g c g g c a t a t a g c c a a a a t a a c g t g a g c g g g t c c a t g c c c g a c a g a a t c g t t a c t c t c t c c c a t c c g g a c t c t a a c c 3′
- val - ala - ala - tyr - ser - gln - asn - asn - val - ser - gly - ser - met - pro - asp - arg - ile - val - thr - leu - ser - his - pro - asp - ser - asn - arg -
sd
ir ribB_yqiC+
{----------} sd-(10)-ir 3182578 Gap 2.7 bits
|----------| sd-ir 3182578 ribB_yqiC+ total 5.2 bits
*3182630 *3182640 *3182650 *3182660 *3182670 *3182680 *3182690 *3182700
5′ g t c g g c c c c g g a a t t a c a c c g g a t c t g c t g t c c t t t g a g t t c g c a c c c a a a g c g c t c g c g g g c t t t c a a c t g a g t t g a t t t 3′
-fMet - ser - ser - his - pro - lys - arg - ser - arg - ala - phe - asn -
- arg - pro - arg - asn - tyr - thr - gly - ser - ala - val - leu -
-fMet - ile - tyr -
[###> orf 27 codons
*3182710 *3182720 *3182730 *3182740 *3182750 *3182760 *3182770 *3182780
5′ a c c g c c g g t g g g g a a t t t c g c c c c g c c c t g a g a a t a a g c g g a t t c a c t a t a a c g c t a a t g a t t a g c g g c a g c a a c g c a t a g 3′
-fMet - ile - ser - gly - ser - asn - ala -
-fMet - gly - asn - phe - ala - pro - pro -
- arg - arg - trp - gly - ile - ser - pro - arg - pro - glu - asn - lys - arg - ile - his - tyr - asn - ala - asn - asp -
*3182790 *3182800 *3182810 *3182820 *3182830 *3182840 *3182850 *3182860
5′ c t t c a c a t a a t t c t g g t t t a t g a c t t a c c c t t a t c g c a c t a c a a t g g c a c t c a a c a c c t a t c a g t a c a g g g a a a c t a c a a t 3′
-fMet - thr - tyr - pro - tyr - arg - thr - thr - met - ala - leu - asn - thr - tyr - gln - tyr - arg - glu - thr - thr - met -
p35 3.8 bits
p10 6.9 bits
sd
[--- ... NC_000913.yqiC
{----------} p35-(23)-p10 3182823 Gap 1.4 bits
... ir
|----------| p35-p10 3182823 total 9.3 bits
{----------} sd-(9)-ir 3182862 Gap 2.3
|----------| sd-ir 3182862 ribB_yqiC+
*3182870 *3182880
5′ g a t t g a c c c g a a a a a a a t 3′
- ile - asp - pro - lys - lys -
-fMet - thr - arg - lys - lys -
... ---------- ... NC_000913.yqiC
... ir ribB_yqiC+