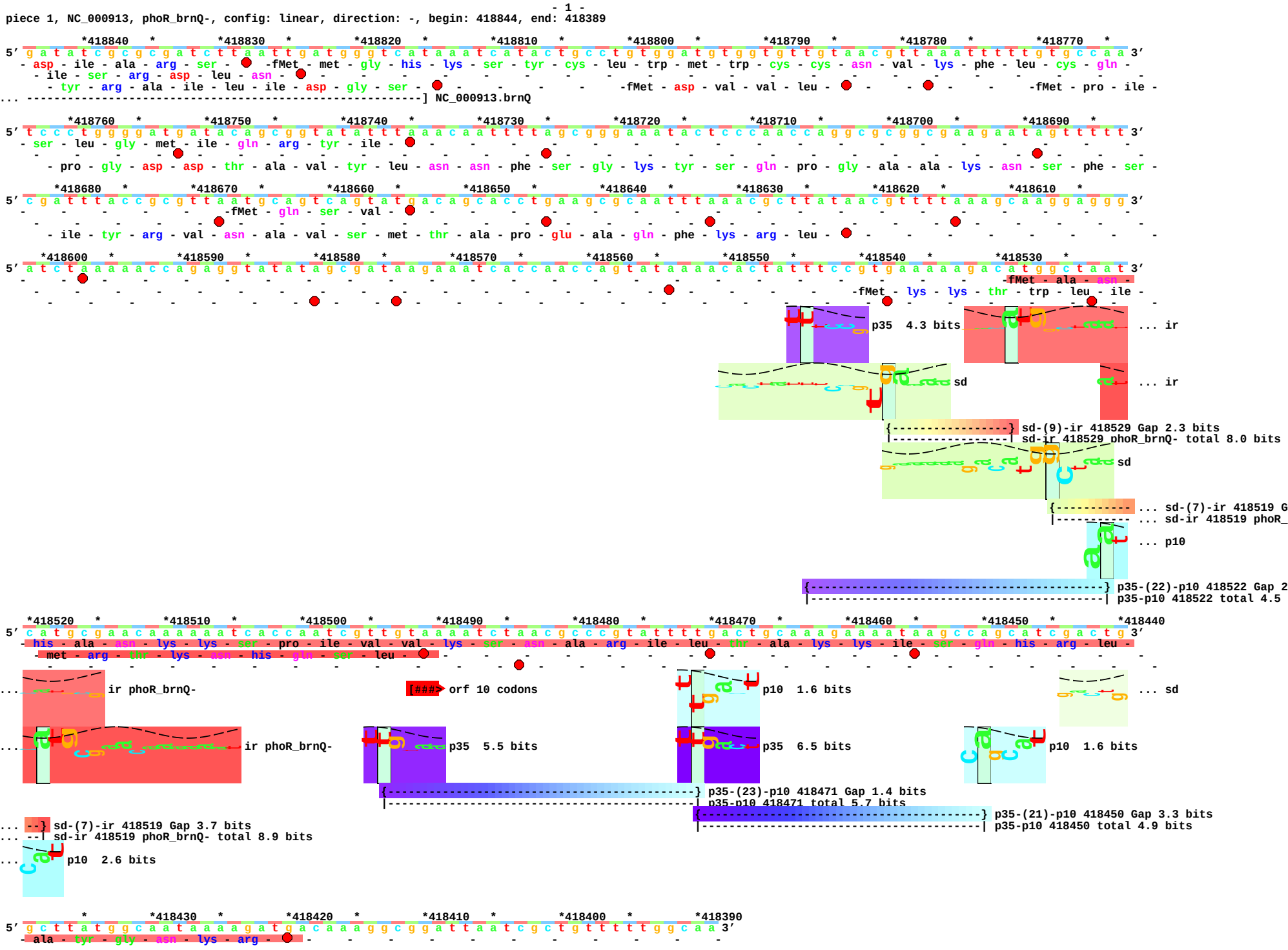
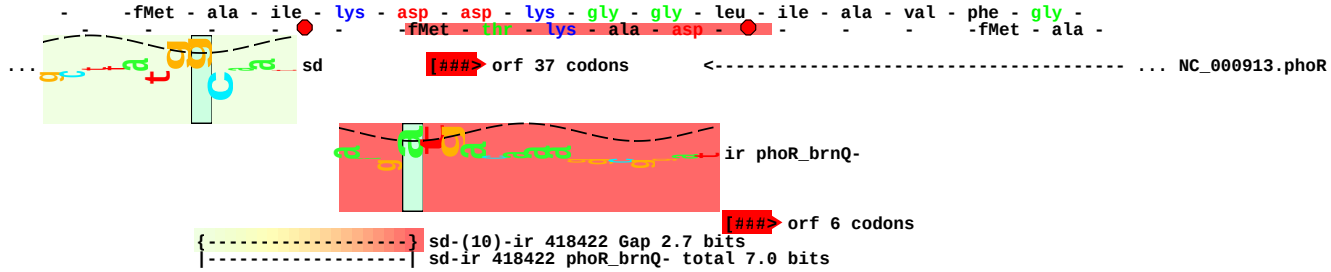

piece 1, NC_000913, phoR_brnQ-, config: linear, direction: -, begin: 418844, end: 418389
*418840 *418830 *418820 *418810 *418800 *418790 *418780 *418770
5′ g a t a t c g c g c g a t c t t a a t t g a t g g g t c a t a a a t c a t a c t g c c t g t g g a t g t g g t g t t g t a a c g t t a a a t t t t t g t g c c a a 3′
- asp - ile - ala - arg - ser - -fMet - met - gly - his - lys - ser - tyr - cys - leu - trp - met - trp - cys - cys - asn - val - lys - phe - leu - cys - gln -
- ile - ser - arg - asp - leu - asn -
- tyr - arg - ala - ile - leu - ile - asp - gly - ser - -fMet - asp - val - val - leu - -fMet - pro - ile -
... ----------] NC_000913.brnQ
*418760 *418750 *418740 *418730 *418720 *418710 *418700 *418690
5′ t c c c t g g g g a t g a t a c a g c g g t a t a t t t a a a c a a t t t t a g c g g g a a a t a c t c c c a a c c a g g c g c g g c g a a g a a t a g t t t t t 3′
- ser - leu - gly - met - ile - gln - arg - tyr - ile -
- pro - gly - asp - asp - thr - ala - val - tyr - leu - asn - asn - phe - ser - gly - lys - tyr - ser - gln - pro - gly - ala - ala - lys - asn - ser - phe - ser -
*418680 *418670 *418660 *418650 *418640 *418630 *418620 *418610
5′ c g a t t t a c c g c g t t a a t g c a g t c a g t a t g a c a g c a c c t g a a g c g c a a t t t a a a c g c t t t a t a a c g t t t t a a a g c a a g g a g g g 3′
-fMet - gln - ser - val -
- ile - tyr - arg - val - asn - ala - val - ser - met - thr - ala - pro - glu - ala - gln - phe - lys - arg - leu -
*418600 *418590 *418580 *418570 *418560 *418550 *418540 *418530
5′ a t c t a a a a a a c c a g a g g t a t a t a g c g a t a a g a a a t c a c c a a c c a g t a t a a a a c a c t a t t t c c g t g a a a a a g a c a t g g c t a a t 3′
-fMet - ala - asn -
-fMet - lys - lys - thr - trp - leu - ile -
p35 4.3 bits ... ir
sd ... ir
{---------- sd-(9)-ir 418529 Gap 2.3 bits
|---------- sd-ir 418529 phoR_brnQ- total 8.0 bits
sd
{---------- ... sd-(7)-ir 418519 G
|---------- ... sd-ir 418519 phoR_
... p10
{---------- p35-(22)-p10 418522 Gap 2
|---------- p35-p10 418522 total 4.5
*418520 *418510 *418500 *418490 *418480 *418470 *418460 *418450 *418440
5′ c a t g c g a a c a a a a a a t c a c c a a t c g t t g t a a a a t c t a a c g c c c g t a t t t t g a c t g c a a a g a a a a t a a g c c a g c a t c g a c t g 3′
- his - ala - asn - lys - lys - ser - pro - ile - val - val - lys - ser - asn - ala - arg - ile - leu - thr - ala - lys - lys - ile - ser - gln - his - arg - leu -
- met - arg - thr - lys - asn - his - gln - ser - leu -
... ir phoR_brnQ- [###> orf 10 codons p10 1.6 bits ... sd
... ir phoR_brnQ- p35 5.5 bits p35 6.5 bits p10 1.6 bits
{---------- p35-(23)-p10 418471 Gap 1.4 bits
|---------- p35-p10 418471 total 5.7 bits
{---------- p35-(21)-p10 418450 Gap 3.3 bits
|---------- p35-p10 418450 total 4.9 bits
... --} sd-(7)-ir 418519 Gap 3.7 bits
... --| sd-ir 418519 phoR_brnQ- total 8.9 bits
... p10 2.6 bits
* *418430 * *418420 * *418410 * *418400 * *418390
5′ g c t t a t g g c a a t a a a a g a t g a c a a a g g c g g a t t a a t c g c t g t t t t t g g c a a 3′
- ala - tyr - gly - asn - lys - arg -


- - -fMet - ala - ile - lys - asp - asp - lys - gly - gly - leu - ile - ala - val - phe - gly -
- - - - - - - -fMet - thr - lys - ala - asp - - - - -fMet - ala -
... sd [###> orf 37 codons <---------- ... NC_000913.phoR
ir phoR_brnQ-
[###> orf 6 codons
{----------} sd-(10)-ir 418422 Gap 2.7 bits
|----------| sd-ir 418422 phoR_brnQ- total 7.0 bits