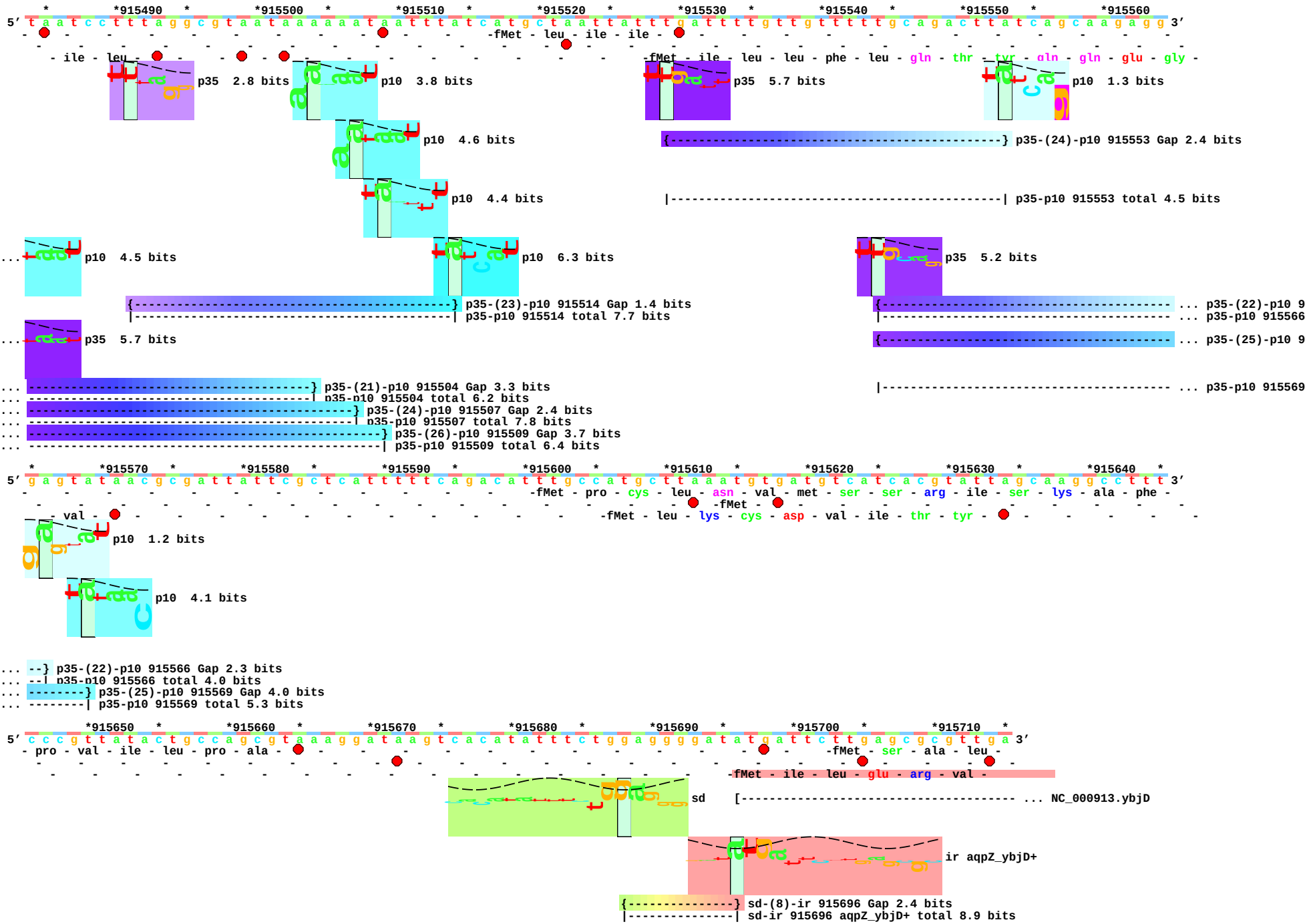
piece 1, NC_000913, aqpZ_ybjD+, config: linear, direction: +, begin: 915241, end: 915715
*915250 *915260 *915270 *915280 *915290 *915300 *915310 *915320
5′ a a a c a t t c a g c t g c t a a t t t t c t g a a c a t a t c c a c c a c a a t t a a a a a t t g a c c c t g t g a a a a a t a t g g t c g t t t t a t a g g 3′
- lys - thr - phe - ser - cys - -fMet - thr - leu -
- lys - his - ser - ala - ala - asn - phe - leu - asn - ile - ser - thr - thr - ile - lys - asn -
- asn - ile - gln - leu - leu - ile - phe - -fMet - lys - asn - met - val - val - leu -
... ----------] NC_000913.aqpZ
p10 3.8 bits
p10 3.9 bits
p35 3.5 bits
p35 2.7 bits
p10 3.2 bits
{----------} p35-(24)-p10 915285 Gap 2.4 bits
|----------| p35-p10 915285 total 4.9 bits
{----------} p35-(23)-p10 915306 Gap 1.4 bits
|----------| p35-p10 915306 total 5.2 bits
p35 5.0 bits
{----------} p35-(24)-p10 915314 Gap 2.4 bits
|----------| p35-p10 915314 total 5.7 bits
*915330 *915340 *915350 *915360 *915370 *915380 *915390 *915400
5′ g t c g t c g t a a a a a g t g a c g a c g g a a a t a a t g c g c g g c t a t t t t a a a a a c g a a g g c g a g t c a t t c a c c a g a t a a a t a a a t c 3′
-fMet - thr - thr - glu - ile - met - arg - glv - tvr - phe - lys - asn - glu - gly - glu - ser - phe - thr - arg -
ir aqpZ_ybjD+
[###> orf 15 codons
sd
p35 0.7 bits
{----------} sd-(6)-ir 915351 Gap 4.3 bits
|----------| sd-ir 915351 aqpZ_ybjD+ total 5.1 bits
{---------- ... p35-(23)-p10 91540
|---------- ... p35-p10 915407 tot
*915410 *915420 *915430 *915440 *915450 *915460 *915470 *915480
5′ c a g t a a a t t t g a t t t a g g g c a a c a g c g g g t t g c c c c a t a g t c a t t t g t c t g a t t g a c a g t g t a g t g c a c g c a a a a g a t t 3′
-fMet - ile - -fMet - pro - his - ile - val - ile - cys - leu - ile - asp - ser - val - val - his - ala - lys - asp - leu -
-fMet - thr - val -
-fMet - ser - asp -
p10 5.7 bits
p10 5.9 bits
p35 6.4 bits
p10 0.9 bits
p35 2.8 bits
{----------} p35-(21)-p10 915479 Gap 3.3 bit
... --------} p35-(23)-p10 915407 Gap 1.4 bits
|----------| p35-p10 915479 total 4.0 bits
... --------| p35-p10 915407 total 5.0 bits
... p10
{----------} p35-(25)-p10 915441 Gap 4.0 bits
|----------| p35-p10 915441 total 4.7 bits
{----------} p35-(25)-p10 915483 Gap
|----------| p35-p10 915483 total 6.
... p35
{- ... p35-(21)-p10 91550
|- ... p35-p10 915504 tot
{- ... p35-(24)-p10 91550
|- ... p35-p10 915507 tot
{- ... p35-(26)-p10 91550
|- ... p35-p10 915509 tot


915490 915500 915510 915520 915530 915540 915550 915560
5′ t a a t c c t t t a g g c g t a a t a a a a a a t a a t t t a t c a t g c t a a t t a t t t g a t t t t g t t g t t t t t g c a g a c t t a t c a g c a a g a g g 3′
-fMet - leu - ile - ile -
- ile - leu -
-fMet - ile - leu - leu - phe - leu - gln - thr - tyr - gln - gln - glu - gly -
p35 2.8 bits
p10 3.8 bits
p35 5.7 bits
p10 1.3 bits
p10 4.6 bits
{----------} p35-(24)-p10 915553 Gap 2.4 bits
p10 4.4 bits
|----------| p35-p10 915553 total 4.5 bits
... p10 4.5 bits
p10 6.3 bits
p35 5.2 bits
{----------} p35-(23)-p10 915514 Gap 1.4 bits
|----------| p35-p10 915514 total 7.7 bits
{---------- ... p35-(22)-p10 9
|---------- ... p35-p10 915566
... p35 5.7 bits
{---------- ... p35-(25)-p10 9
... ----------} p35-(21)-p10 915504 Gap 3.3 bits
... ----------| p35-p10 915504 total 6.2 bits
|---------- ... p35-p10 915569
... ----------} p35-(24)-p10 915507 Gap 2.4 bits
... ----------| p35-p10 915507 total 7.8 bits
... ----------} p35-(26)-p10 915509 Gap 3.7 bits
... ----------| p35-p10 915509 total 6.4 bits
915570 915580 915590 915600 915610 915620 915630 915640
5′ g a g t a t a a c g c g a t t a t t c g c t c a t t t t t c a g a c a t t t g c c a t g c t t a a a t g t g a t g t c a t c a c g t a t t a g c a a g g c c t t t 3′
-fMet - pro - cys - leu - asn - val - met - ser - ser - arg - ile - ser - lys - ala - phe -
-fMet -
- val -
-fMet - leu - lys - cys - asp - val - ile - thr - tyr -
p10 1.2 bits
p10 4.1 bits
... --} p35-(22)-p10 915566 Gap 2.3 bits
... --| p35-p10 915566 total 4.0 bits
... --------} p35-(25)-p10 915569 Gap 4.0 bits
... --------| p35-p10 915569 total 5.3 bits
915650 915660 915670 915680 915690 915700 915710
5′ c c c g t t a t a c t g c c a g c g t a a a g g a t a a g t c a c a t a t t t c t g g a g g g g a t a t g a t t c t t g a g c g c g t t g a 3′
- pro - val - ile - leu - pro - ala -
-fMet - ser - ala - leu -
-fMet - ile - leu - glu - arg - val -
sd [---------- ... NC_000913.ybjD
ir aqpZ_ybjD+
{----------} sd-(8)-ir 915696 Gap 2.4 bits
|----------| sd-ir 915696 aqpZ_ybjD+ total 8.9 bits