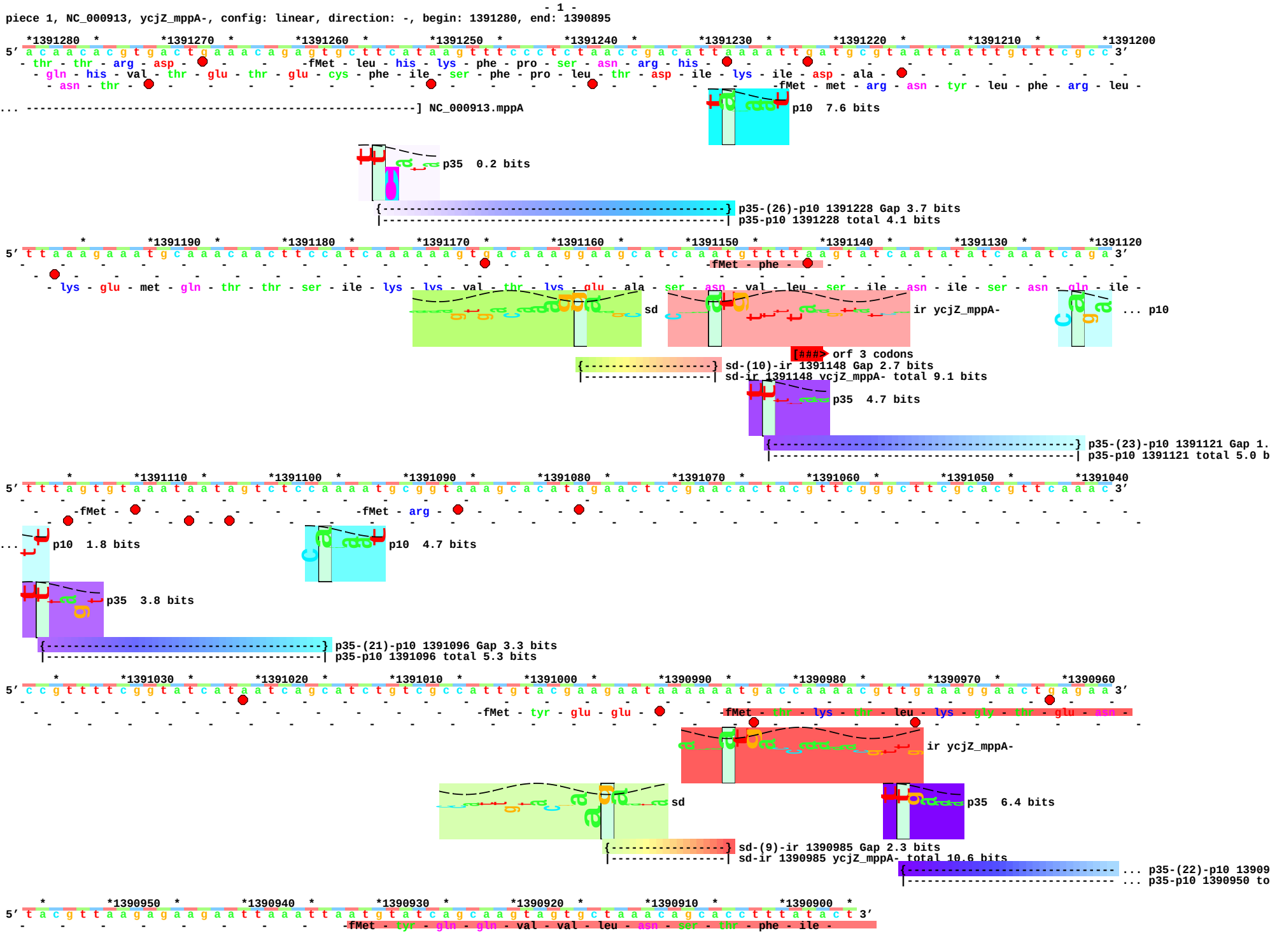
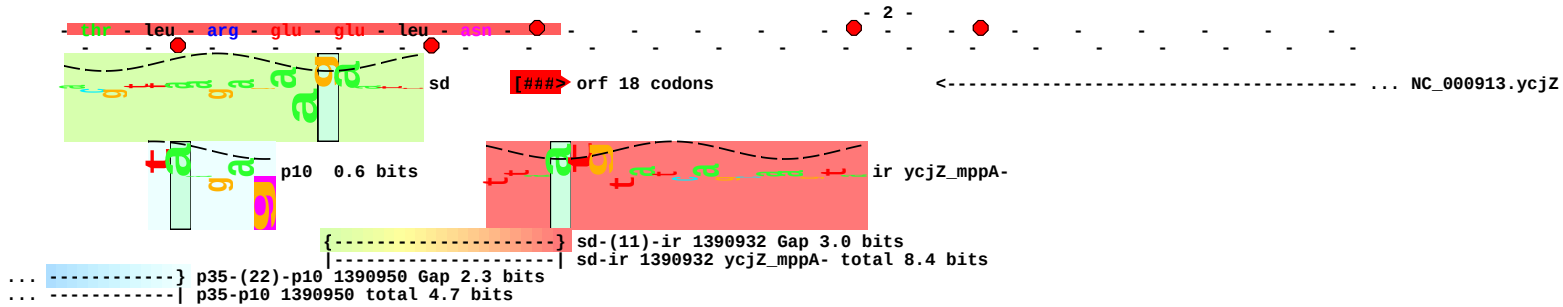

piece 1, NC_000913, ycjZ_mppA-, config: linear, direction: -, begin: 1391280, end: 1390895
*1391280 *1391270 *1391260 *1391250 *1391240 *1391230 *1391220 *1391210 *1391200
5′ a c a a c a c g t g a c t g a a a c a g a g t g c t t c a t a a g t t t c c c t c t a a c c g a c a t t a a a a t t g a t g c g t a a t t a t t t g t t t c g c c 3′
- thr - thr - arg - asp - -fMet - leu - his - lys - phe - pro - ser - asn - arg - his -
- gln - his - val - thr - glu - thr - glu - cys - phe - ile - ser - phe - pro - leu - thr - asp - ile - lys - ile - asp - ala -
- asn - thr - -fMet - met - arg - asn - tyr - leu - phe - arg - leu -
... ----------] NC_000913.mppA
p10 7.6 bits
p35 0.2 bits
{----------} p35-(26)-p10 1391228 Gap 3.7 bits
|----------| p35-p10 1391228 total 4.1 bits
*1391190 *1391180 *1391170 *1391160 *1391150 *1391140 *1391130 *1391120
5′ t t a a a g a a a t g c a a a c a a c t t c c a t c a a a a a a g t g a c a a a g g a a g c a t c a a a t g t t t t a a g t a t c a a t a t c a a a t c a g a 3′
-fMet - phe -
- lys - glu - met - gln - thr - thr - ser - ile - lys - lys - val - thr - lys - glu - ala - ser - asn - val - leu - ser - ile - asn - ile - ser - asn - gln - ile -
sd
ir ycjZ_mppA-
... p10
[###> orf 3 codons
{----------} sd-(10)-ir 1391148 Gap 2.7 bits
|----------| sd-ir 1391148 ycjZ_mppA- total 9.1 bits
p35 4.7 bits
{----------} p35-(23)-p10 1391121 Gap 1.
|----------| p35-p10 1391121 total 5.0 b
*1391110 *1391100 *1391090 *1391080 *1391070 *1391060 *1391050 *1391040
5′ t t t a g t g t a a a t a a t a g t c t c c a a a a t g c g g t a a g c a c a t a g a a c t c c g a a c a c t a c g t t c g g g c t t c g c a c g t t c a a a c 3′
-fMet - -fMet - arg -
... p10 1.8 bits
p10 4.7 bits
p35 3.8 bits
{----------} p35-(21)-p10 1391096 Gap 3.3 bits
|----------| p35-p10 1391096 total 5.3 bits
*1391030 *1391020 *1391010 *1391000 *1390990 *1390980 *1390970 *1390960
5′ c c g t t t t c g g t a t c a t a a t c a g c a t c t g t c g c c a t t g t a c g a a g a a t a a a a a a t g a c c a a a a c g t t g a a a g g a a c t g a g a a 3′
-fMet - tyr - glu - glu - -fMet - thr - lys - thr - leu - lys - gly - thr - glu - asn -
ir ycjZ_mppA-
sd
p35 6.4 bits
{----------} sd-(9)-ir 1390985 Gap 2.3 bits
|----------| sd-ir 1390985 ycjZ_mppA- total 10.6 bits
{---------- ... p35-(22)-p10 13909
|---------- ... p35-p10 1390950 to
*1390950 *1390940 *1390930 *1390920 *1390910 *1390900
5′ t a c g t t a a g a g a a g a a t t a a a t t a a t g t a t c a a g c a a g t a g t g c t a a a c a g c a c c t t t a t a c t 3′
-fMet - tyr - gln - gln - val - val - leu - asn - ser - thr - phe - ile -


- 2 -
- thr - leu - arg - glu - glu - leu - asn -
sd
[###> orf 18 codons
<---------- ... NC_000913.ycjZ
p10 0.6 bits
ir ycjZ_mppA-
{----------} sd-(11)-ir 1390932 Gap 3.0 bits
|----------| sd-ir 1390932 ycjZ_mppA- total 8.4 bits
... ----------} p35-(22)-p10 1390950 Gap 2.3 bits
... ----------| p35-p10 1390950 total 4.7 bits