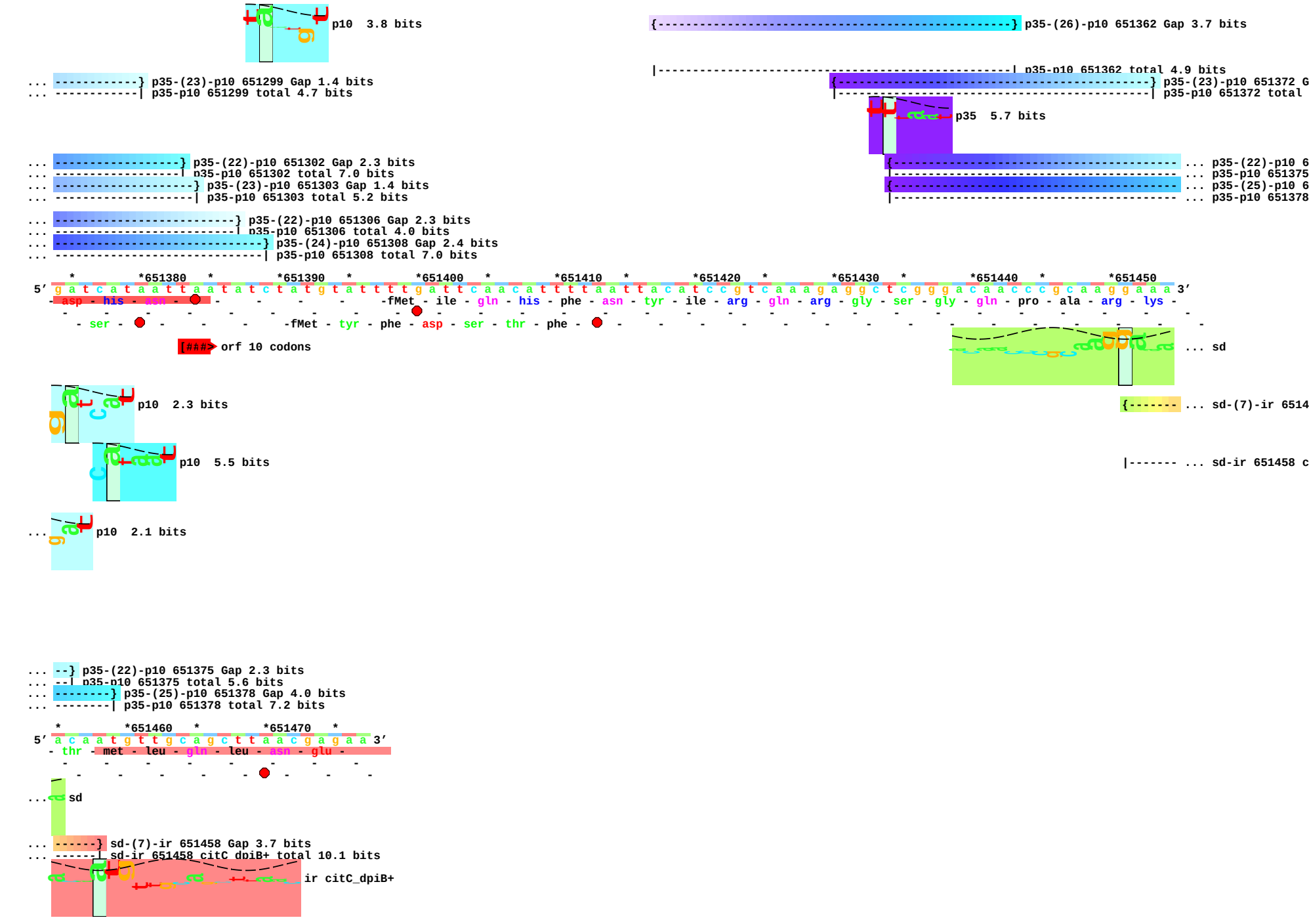
piece 1, NC_000913, citC_dpiB+, config: linear, direction: +, begin: 651050, end: 651477
*651050 *651060 *651070 *651080 *651090 *651100 *651110 *651120 *651130
5' t a c g c g g g t g a a a a t a t c a t t g c c g a a c a t a t a a a t a g t a t c c t g a a g g t g c a t g t t g t t a t c g a t t t g c a a c g a a t g t t 3'
- tyr - ala - gly - glu - asn - ile - ile - ala - glu - his - asn - lys -
- thr - arg - val - lys - ile - ser - leu - pro - asn - ile - ile - asn - ser - ile - leu - lys - val - his - val - val - ile - asp - leu - gln - arg - met - leu -
- arg - gly -
-fMet - leu - leu - ser - ile - cys - asn - glu - cys - cys -
... ----------] NC_000913.citC
p35 4.7 bits
... p35
p35 1.2 bits
p10 5.3 bits
{---------- ... p35-(26)-p10 65113
{----------} p35-(22)-p10 651087 Gap 2.3 bits
|---------- ... p35-p10 651133 tot
|----------| p35-p10 651087 total 4.1 bits
p35 6.1 bits {- ... p35-(21)-p10 65115
{---------- ... p35-(25)-p10 65114
|---------- ... p35-p10 651143 tot
|- ... p35-p10 651151 tot
*651140 *651150 *651160 *651170 *651180 *651190 *651200 *651210
5' g t t c a a t g t t g c a a a c t g a t a a c c t t t t a t t t t c a c t t g g g a g a a a g g g g t g a t c g a g g t a t a t c t t t t t c t c c t t t c g c 3'
-fMet - gly - glu - arg - gly -
- phe - asn - val - ala - asn -
- ser - met - leu - gln - thr - asp - asn - leu - leu - phe - ser - leu - gly - arg - lys - glv - val - ile - glu - val - tyr - leu - phe - leu - leu - ser - leu -
... p35 3.3 bits
p10 3.6 bits
sd
ir citC_dpiB+
... ----} p35-(26)-p10 651133 Gap 3.7 bits
p10 4.5 bits
{----------} sd-(10)-ir 651181 Gap 2.7 bits
... ----| p35-p10 651133 total 4.0 bits
|----------| sd-ir 651181 citC_dpiB+ total 5.6 bits
... ----------} p35-(21)-p10 651151 Gap 3.3 bits
... ----------} p35-(25)-p10 651143 Gap 4.0 bits
p10 1.9 bits
... ----------| p35-p10 651143 total 5.7 bits
... ----------| p35-p10 651151 total 4.4 bits
p10 3.0 bits
p35 6.1 bits
{----------} p35-(23)-p10 651163 Gap 1.4 bits
|----------| p35-p10 651163 total 6.6 bits
*651220 *651230 *651240 *651250 *651260 *651270 *651280 *651290
5' t a t a c a t c c t a a g g a g t a t t t c g g c g t g a a a t t t t g a t t t a t t t c a c a t a g a g t t a g t g g t t t t t t a t t t a t t t a a t g a t t 3'
-fMet - ile - tyr - phe - thr -
-fMet - lys - phe -
-fMet - ile -
- tyr - ile - leu - arg - ser - ile - ser - ala -
-fMet - val - phe - tyr - leu - phe - asn - asp - phe -
sd
[###> orf 20 codons
p35 4.8 bits
p10 1.3 bits
ir citC_dpiB+
p10 2.6 bits
[###> orf 4 codons
p35 3.9 bits

{----------} sd-(12)-ir 651237 Gap 4.0 bits
p35 3.8 bits
{---------- ... p35-(22)-p10 6
|----------| sd-ir 651237 citC_dpiB+ total 8.1 bits
|---------- ... p35-p10 651295
{----------} p35-(23)-p10 651273 Gap 1.4 bits
|----------| p35-p10 651273 total 4.7 bits
{----------} p35-(22)-p10 651276 Gap 2.3 bits
|----------| p35-p10 651276 total 4.0 bits
p35 4.8 bits
{---------- ... p35-(23)-p10 6
|---------- ... p35-p10 651299
p35 4.8 bits
{---------- ... p35-(22)-p10 6
|---------- ... p35-p10 651302
{---------- ... p35-(23)-p10 6
|---------- ... p35-p10 651303
p35 5.7 bits
{---------- ... p35-(22)-p10 6
|---------- ... p35-p10 651306
{---------- ... p35-(24)-p10 6
|---------- ... p35-p10 651308
*651300 *651310 *651320 *651330 *651340 *651350 *651360 *651370
5' t t a a g t t t t t t a a t t a a t g t a a t t a c g a a a t g a c t c g c a g g t t t a a g t g a t t t a a t t g a t t t a a t g a a t a a a a t t t g c c a c 3'
- leu - ser - phe - leu - ile - asn - val - ile - thr - lys - fMet - ile - fMet - ile - fMet - asn - lys - ile - cys - his -
- lys - phe - phe - asn - fMet - thr - arg - arg - phe - lys - fMet - pro - arg -
sd
ir citC_dpiB+
ir citC_dpiB+
p10 3.8 bits
{----------} sd-(11)-ir 651322 Gap 3.0 bits
[###> orf 7 codons
{----------} sd-(6)-ir 651356 Gap 4.3 bits
p10 1.3 bits |----------| sd-ir 651322 citC_dpiB+ total 6.8 bits
|----------| sd-ir 651356 citC_dpiB+ total 6.3 bits
... ----} p35-(22)-p10 651295 Gap 2.3 bits
p35 3.4 bits
sd
p10 7.6 bits
... ----| p35-p10 651295 total 5.4 bits
p10 4.5 bits
... p10
p10 4.5 bits
{----------} p35-(21)-p10 651344 Gap 3.3 bits
p10 1.8 bits
|----------| p35-p10 651344 total 4.6 bits
p10 0.7 bits
p35 1.0 bits
p35 5.7 bits


p10 3.8 bits
p35-(26)-p10 651362 Gap 3.7 bits
p35-(23)-p10 651299 Gap 1.4 bits
p35-p10 651299 total 4.7 bits
p35-p10 651362 total 4.9 bits
p35-(23)-p10 651372 G
p35-p10 651372 total
p35 5.7 bits
p35-(22)-p10 651302 Gap 2.3 bits
p35-p10 651302 total 7.0 bits
p35-(23)-p10 651303 Gap 1.4 bits
p35-p10 651303 total 5.2 bits
p35-(22)-p10 6
p35-p10 651375
p35-(25)-p10 6
p35-p10 651378
p35-(22)-p10 651306 Gap 2.3 bits
p35-p10 651306 total 4.0 bits
p35-(24)-p10 651308 Gap 2.4 bits
p35-p10 651308 total 7.0 bits
*651380
*651390
*651400
*651410
*651420
*651430
*651440
*651450
5′ g a t c a t a a t t a a t a t c t a t g t a t t t t g a t t c a a c a t t t t a a t t a c a t c c g t c a a a g a g g c t c g g g a c a a c c c g c a a g g a a a 3′
- asp - his - asn - - - - - -fMet - ile - gln - his - phe - asn - tyr - ile - arg - gln - arg - gly - ser - gly - gln - pro - ala - arg - lys -
- ser - - - - -fMet - tyr - phe - asp - ser - thr - phe - - - - -