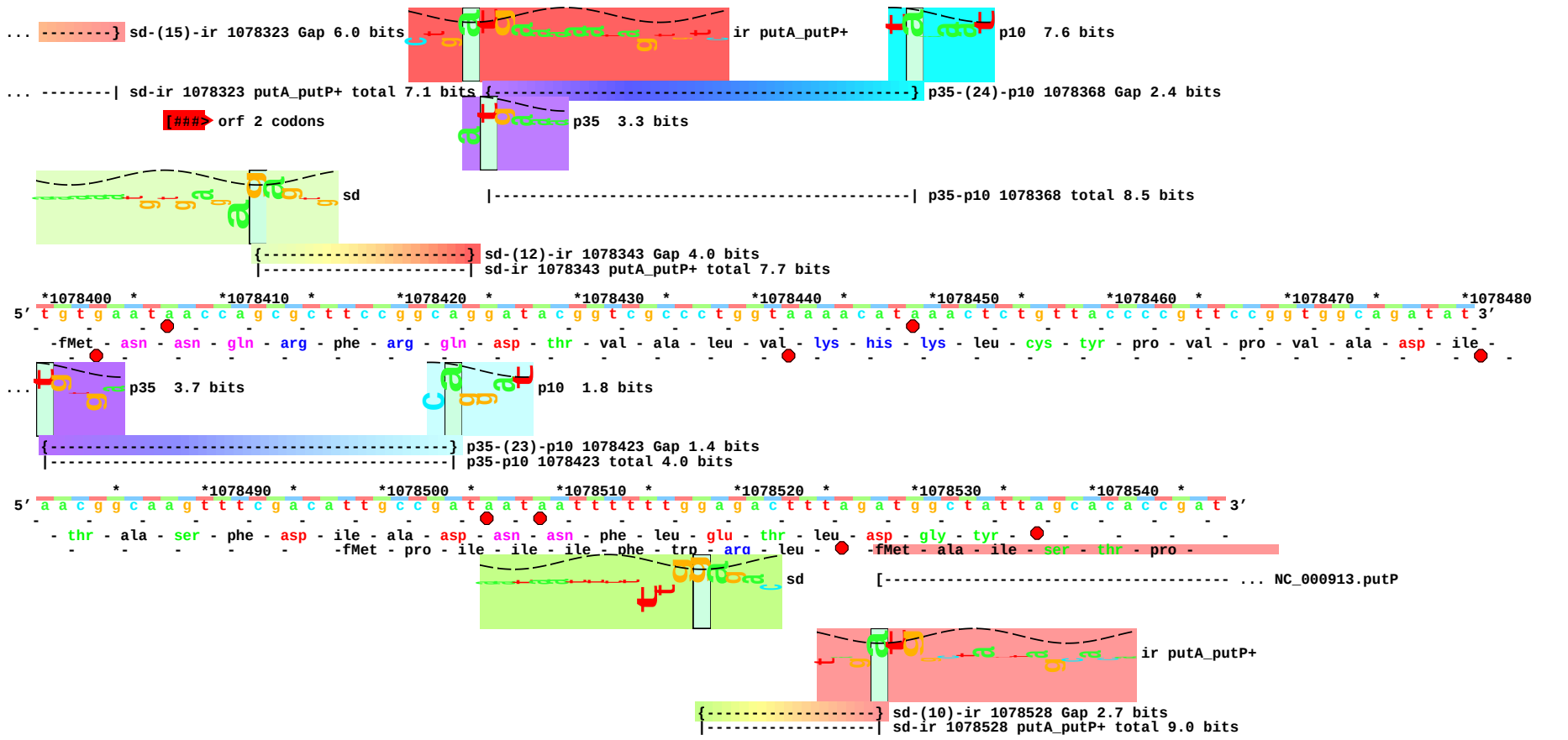
piece 1, NC_000913, putA_putP+, config: linear, direction: +, begin: 1078076, end: 1078547
*1078080 *1078090 *1078100 *1078110 *1078120 *1078130 *1078140 *1078150 *
5′ c a g c t t a a c c c c c a t g g t g g t g g t t c c c a t g c c a t t a c t c c t g t t g t t c a g a a a g g t g c a a c t t a a c g t t a t c g t g a a a t a 3′
- gln - leu - asn - pro - his - gly - gly - gly - ser - his - ala - ile - thr - pro - val - val - gln - lys - gly - ala - thr -
- ser - leu - thr - pro - met - val - val - val - pro - met - pro - leu - leu - leu - leu - phe - arg - lys - val - gln - leu - asn - val - ile - val - lys - tyr -
- ala -
... ----------] NC_000913.putA
sd
{---------- ... sd-(9)-ir 1078160
|---------- ... sd-ir 1078160 putA
*1078160 *1078170 *1078180 *1078190 *1078200 *1078210 *1078220 *1078230 *
5′ t c c a t g a t g t t g c a a c t t t g t g c a a c c a t g t t a a a t g t g a c a t g c g t a g c a a g c t t a a a a a t g a a t g a a a t g t t a a t a a a a 3′
- fMet - met - leu - gln - leu - cys - ala - thr - met - leu - asn - val - thr - cys - val - ala - ser - leu - lys - met - asn - glu - met - leu - ile - lys -
- pro - fMet - gln - pro - cys - fMet - fMet - fMet - lys - cys -
- fMet - cys - asn - his - val - lys - cys - asp - met - arg - ser - lys - leu - lys - asn - glu -
ir putA_putP+
sd
ir putA_putP+
... ------} sd-(9)-ir 1078160 Gap 2.3 bits
p10 3.7 bits
{----------} sd-(17)-ir 1078217 Gap 6.5 bits
... ------| sd-ir 1078160 putA_putP+ total 6.0 bits
|----------| sd-ir 1078217 putA_putP+ total 5.3 bits
p35 6.1 bits
p10 0.7 bits
... ir
{----------} p35-(21)-p10 1078188 Gap 3.3 bits
sd
... sd
|----------| p35-p10 1078188 total 6.5 bits
{----------} p35-(22)-p10 1078189 Gap 2.3 bits
|----------| p35-p10 1078189 total 4.4 bits
{----------} sd-(7)-ir 1078226 Gap 3.7 bits
|----------| sd-ir 1078226 putA_putP+ total 8.5 bits
p10 0.0 bits
{----------} p35-(23)-p10 1078190 Gap 1.4 bits
|----------| p35-p10 1078190 total 4.7 bits
*1078240 *1078250 *1078260 *1078270 *1078280 *1078290 *1078300 *1078310 *
5′ g a a a t c g a t a t g a c a g g g a t t a a a a a a a t a a c t c a g a c t t t t t c t c t g c g g c a g t t a a c a t t t t g a a a g g t g c a a c c g c a 3′
- glu - ile - asp - met - thr - gly - ile - lys - lys - ile - thr - gln - thr - phe - ser - leu - arg - gln - leu - thr - phe - leu - lys - gly - ala - thr - ala -
- fMet - gln - pro - gln -
ir putA_putP+
sd
{----------} sd-(9)-ir 1078247 Gap 2.3 bits
|----------| sd-ir 1078247 putA_putP+ total 12.9 bits
{---------- ... sd-(15)-ir 1078323
|---------- ... sd-ir 1078323 putA
... ir putA_putP+
... sd
*1078320 *1078330 *1078340 *1078350 *1078360 *1078370 *1078380 *1078390 *
5′ a a a a a t g t g a g a g a g t g c a a c c t g a t g a a a a a t a g t g t c g c t g a g c a c t a a a a t t t a a t g t a a a t g g t g t g t t a a a t c g a t 3′
- lys - asn - val - arg - glu - cys - asn - leu - met - lys - asn - ser - val - ala - glu - his -
- fMet - fMet - val - cys -
- lys - met -
- fMet - ser - leu - ser - thr - lys - ile -
- fMet - gln - pro - asp - glu - lys -
- fMet - leu - asn - arg - leu -
ir putA_putP+
[###> orf 70 codons
... p35


... --------} sd-(15)-ir 1078323 Gap 6.0 bits
ir putA_putP+
p10 7.6 bits
... --------| sd-ir 1078323 putA_putP+ total 7.1 bits
{----------} p35-(24)-p10 1078368 Gap 2.4 bits
[###> orf 2 codons
p35 3.3 bits
sd
|----------| p35-p10 1078368 total 8.5 bits
{----------} sd-(12)-ir 1078343 Gap 4.0 bits
|----------| sd-ir 1078343 putA_putP+ total 7.7 bits
*1078400 * *1078410 * *1078420 * *1078430 * *1078440 * *1078450 * *1078460 * *1078470 * *1078480
5' t g t g a a t a a c c a g c g c t t c c g g c a g g a t a c g g t c g c c c t g g t a a a a c a t a a a c t c t g t t a c c c c g t t c c g g t g g c a g a t a t 3'
-fMet - asn - asn - gln - arg - phe - arg - gln - asp - thr - val - ala - leu - val - lys - his - lys - leu - cys - tyr - pro - val - pro - val - ala - asp - ile -
... p35 3.7 bits
p10 1.8 bits
{----------} p35-(23)-p10 1078423 Gap 1.4 bits
|----------| p35-p10 1078423 total 4.0 bits
* *1078490 * *1078500 * *1078510 * *1078520 * *1078530 * *1078540 *
5' a a c g g c a a g t t t c g a c a t t g c c g a t a a t a a t t t t t t g g a g a c t t t a g a t g g c t a t t a g c a c a c c g a t 3'
- thr - ala - ser - phe - asp - ile - ala - asp - asn - asn - phe - leu - glu - thr - leu - asp - gly - tyr -
-fMet - pro - ile - ile - ile - phe - trp - arg - leu -
-fMet - ala - ile - ser - thr - pro -
sd
[---------- ... NC_000913.putP
ir putA_putP+
{----------} sd-(10)-ir 1078528 Gap 2.7 bits
|----------| sd-ir 1078528 putA_putP+ total 9.0 bits