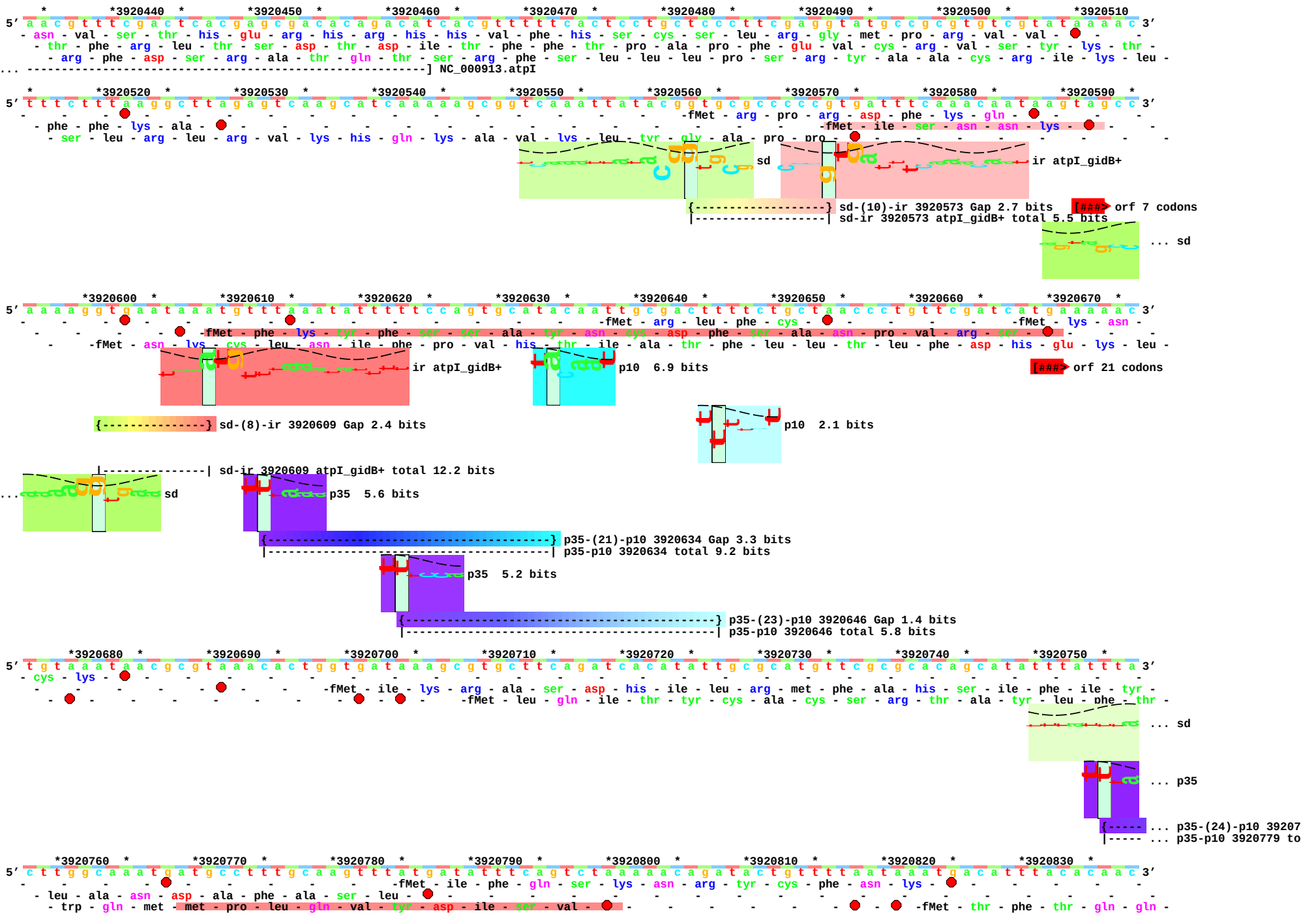
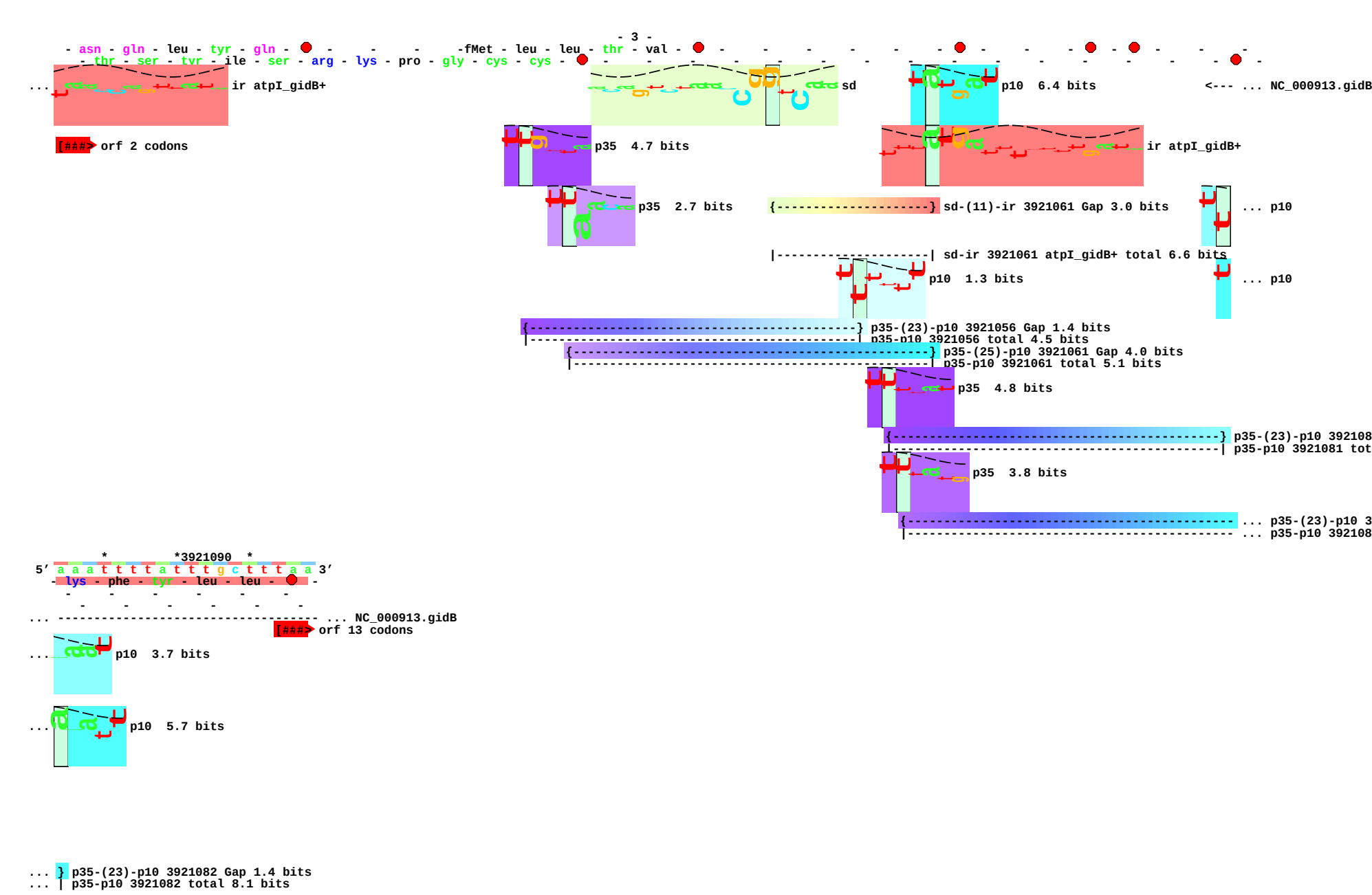
piece 1, NC_000913, atpI_gidB+, config: linear, direction: +, begin: 3920434, end: 3921099



sd
p10 0.9 bits
- 2 -
[###> orf 11 codons
p10 4.5 bits
p35 5.5 bits
p35 5.7 bits
p10 6.4 bits
... p35-(24)-p10 3
} p35-(24)-p10 3920779 Gap 2.4 bits
| p35-p10 3920779 total 4.1 bits
... p35-p10 392085
... p35-(26)-p10 3
ir atpI_gidB+
p35 4.3 bits
p35-p10 392085
} sd-(7)-ir 3920769 Gap 3.7 bits
| sd-ir 3920769 atpI_gidB+ total 5.5 bits
} p35-(24)-p10 3920816 Gap 2.4 bits
| p35-p10 3920816 total 6.4 bits
p35 4.0 bits
} p35-(24)-p10 3920785 Gap 2.4 bits
| p35-p10 3920785 total 8.0 bits
*3920840
*3920850
*3920860
*3920870
*3920880
*3920890
*3920900
*3920910
5′ a a a a a c c a c c c a t t g a c a t t t t t a a t a a t g t t t t a a c a g c c a a t g a t g g t t c t t a g c g c c g a t t t t t a g c a g a c t g a t a t t 3′
-fMet - thr - phe - leu - ile - met - phe -
-fMet - met - val - leu - ser - ala - asp - phe -
- lys - pro - pro - ile - asp - ile - phe - asn - asn - val - leu - thr - ala - asn - asp - gly - ser -
p10 1.0 bits
p10 2.7 bits
... p35-(24)-p10 3920854 Gap 2.4 bits
... p35-p10 3920854 total 4.1 bits
... p35-(26)-p10 3920856 Gap 3.7 bits
... p35-p10 3920856 total 4.1 bits
p10 2.3 bits
p35 3.8 bits
} p35-(23)-p10 3920881 Gap 1.4 bits
| p35-p10 3920881 total 5.0 bits
*3920920
*3920930
*3920940
*3920950
*3920960
*3920970
*3920980
*3920990
*3921000
5′ t t c a c t a a t g a c t t a t t t t c t g c t t a c c a a a a a a a g c c a c g t t a t c t t g t t g a t g c a a a a g a g t g a a c g t g g c g t t a a a t g 3′
-fMet -
-fMet - thr - tyr - phe - leu - leu - thr - lys - lys - ser - his - val - ile - leu - leu - met - gln - lys - ser - glu - arg - gly - val - lys - cys -
-fMet - asn - val - ala - leu - asn - val -
p35 3.5 bits
p10 4.5 bits
... ir
sd
} p35-(26)-p10 3920963 Gap 3.7 bits
| p35-p10 3920963 total 4.2 bits
} sd-(7)-ir 3920998 Gap 3
| sd-ir 3920998 atpI_gidB
p35 4.7 bits
p10 3.7 bits
} p35-(25)-p10 3920995 Gap 4.0
| p35-p10 3920995 total 4.4 bit
*3921010
*3921020
*3921030
*3921040
*3921050
*3921060
*3921070
*3921080
5′ t a a c c a g t t a t a t c a g t a g a a a a c c t g g t t g t t g t t a a c a g t c t a a c c g g t c a a t t t t t t t a t g a t t t t t g a t a a a a a t t 3′
-fMet - ile - phe - leu - ile - lys - ile -


- 3 -
- asn - gln - leu - tyr - gln -
-fMet - leu - leu - thr - val -
- thr - ser - tyr - ile - ser - arg - lys - pro - gly - cys - cys -
... ir atpI_gidB+
sd
p10 6.4 bits
<--- ... NC_000913.gidB
[###> orf 2 codons
p35 4.7 bits
ir atpI_gidB+
p35 2.7 bits
{----------} sd-(11)-ir 3921061 Gap 3.0 bits
... p10
|----------| sd-ir 3921061 atpI_gidB+ total 6.6 bits
p10 1.3 bits
... p10
{----------} p35-(23)-p10 3921056 Gap 1.4 bits
|----------| p35-p10 3921056 total 4.5 bits
{----------} p35-(25)-p10 3921061 Gap 4.0 bits
|----------| p35-p10 3921061 total 5.1 bits
p35 4.8 bits
{----------} p35-(23)-p10 392108
|----------| p35-p10 3921081 tot
p35 3.8 bits
{---------- ... p35-(23)-p10 3
|---------- ... p35-p10 392108
* *3921090 *
5′ a a a t t t t a t t t g c t t t a a 3′
- lys - phe - tyr - leu - leu -
... ... NC_000913.gidB
[###> orf 13 codons
... p10 3.7 bits
... p10 5.7 bits
... } p35-(23)-p10 3921082 Gap 1.4 bits
... | p35-p10 3921082 total 8.1 bits