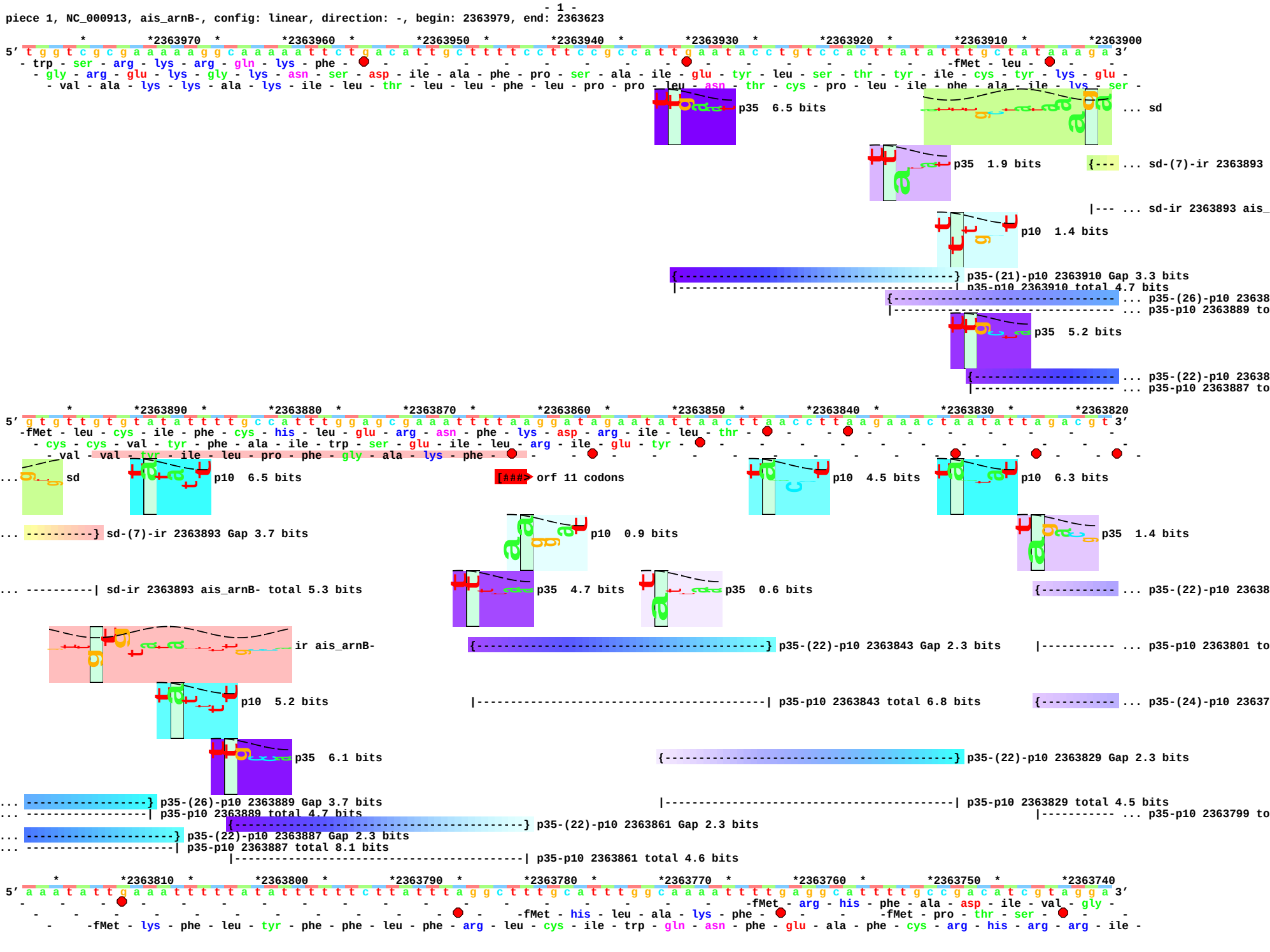
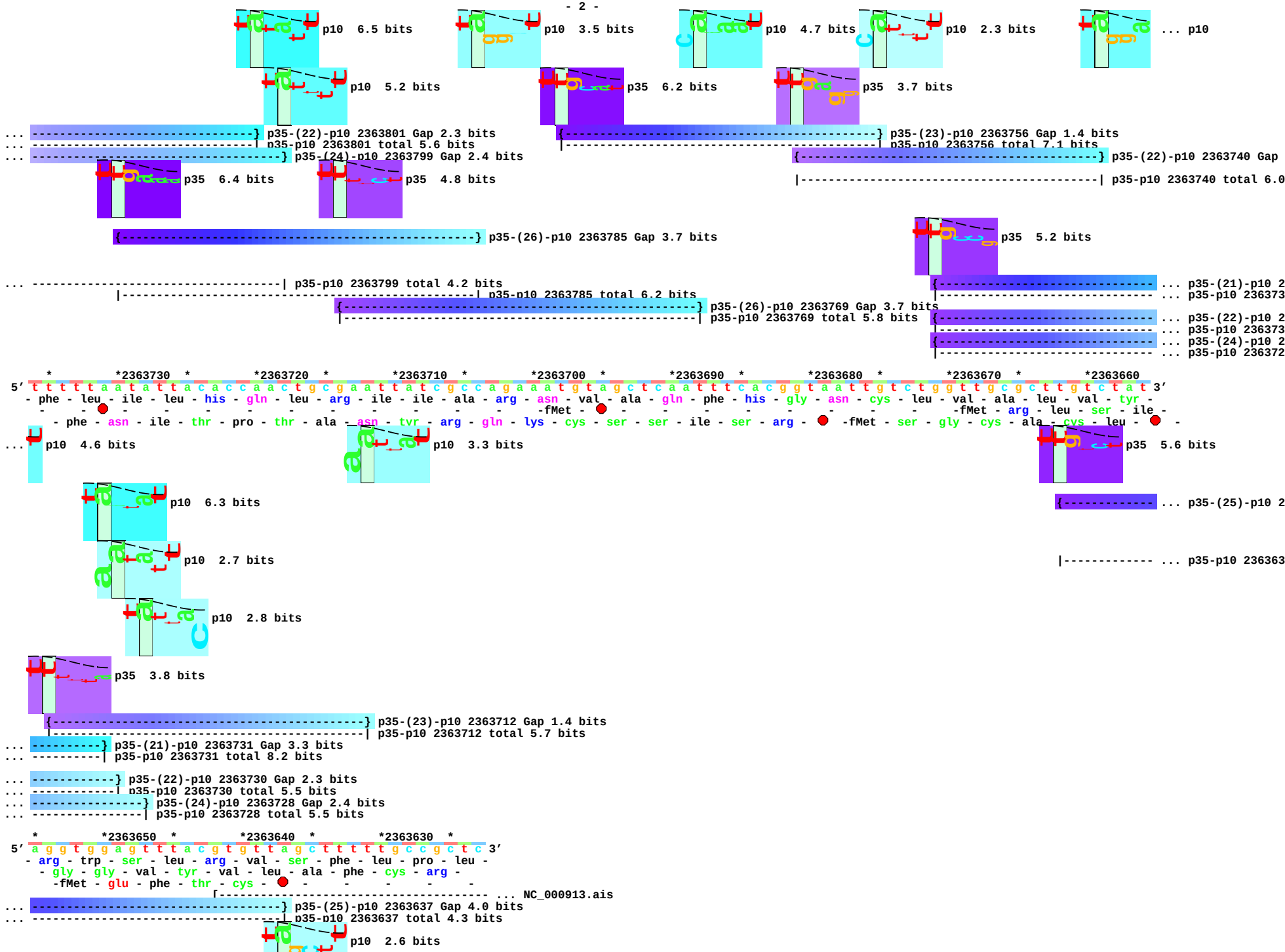

piece 1, NC_000913, ais_arnB-, config: linear, direction: -, begin: 2363979, end: 2363623
*2363970 *2363960 *2363950 *2363940 *2363930 *2363920 *2363910 *2363900
5′ t g g t c g c g a a a a a g g c a a a a a t t c t g a c a t t g c t t t t c c t t c c g c c a t t g a a t a c c t g t c c a c t t a t a t t t g c t a t a a a g a 3′
- trp - ser - arg - lys - arg - gln - lys - phe - -fMet - leu -
- gly - arg - glu - lys - gly - lys - asn - ser - asp - ile - ala - phe - pro - ser - ala - ile - glu - tyr - leu - ser - thr - tyr - ile - cys - tyr - lys - glu -
- val - ala - lys - lys - ala - lys - ile - leu - thr - leu - leu - phe - leu - pro - pro - leu - asn - thr - cys - pro - leu - ile - phe - ala - ile - lys - ser -
p35 6.5 bits ... sd
p35 1.9 bits {--- ... sd-(7)-ir 2363893
|--- ... sd-ir 2363893 ais_
p10 1.4 bits
{-------------------------------------} p35-(21)-p10 2363910 Gap 3.3 bits
|-------------------------------------| p35-p10 2363910 total 4.7 bits
{---------------------------------- ... p35-(26)-p10 23638
|---------------------------------- ... p35-p10 2363889 to
p35 5.2 bits
{-------------------- ... p35-(22)-p10 23638
|-------------------- ... p35-p10 2363887 to
*2363890 *2363880 *2363870 *2363860 *2363850 *2363840 *2363830 *2363820
5′ g t g t t g t g t a t a t t t t g c c a t t t g g a g c g a a a t t t t a a g g a t a g a a t a t t a a c t t a a c c t t a a g a a a c t a a t a t t a g a c g t 3′
-fMet - leu - cys - ile - phe - cys - his - leu - glu - arg - asn - phe - lys - asp - arg - ile - leu - thr -
- cys - cys - val - tyr - phe - ala - ile - trp - ser - glu - ile - leu - arg - ile - glu - tyr -
- val - val - tyr - ile - leu - pro - phe - gly - ala - lys - phe -
... sd p10 6.5 bits [###> orf 11 codons p10 4.5 bits p10 6.3 bits
... ----------} sd-(7)-ir 2363893 Gap 3.7 bits p10 0.9 bits p35 1.4 bits
... ----------| sd-ir 2363893 ais_arnB- total 5.3 bits p35 4.7 bits p35 0.6 bits {---------- ... p35-(22)-p10 23638
ir ais_arnB- {--} p35-(22)-p10 2363843 Gap 2.3 bits |---------- ... p35-p10 2363801 to
p10 5.2 bits |--| p35-p10 2363843 total 6.8 bits {---------- ... p35-(24)-p10 23637
p35 6.1 bits {--} p35-(22)-p10 2363829 Gap 2.3 bits
... ----------------} p35-(26)-p10 2363889 Gap 3.7 bits |--| p35-p10 2363829 total 4.5 bits
... ----------------| p35-p10 2363889 total 4.7 bits |---------- ... p35-p10 2363799 to
{--} p35-(22)-p10 2363861 Gap 2.3 bits
... ----------------------} p35-(22)-p10 2363887 Gap 2.3 bits
... ----------------------| p35-p10 2363887 total 8.1 bits
|--| p35-p10 2363861 total 4.6 bits
*2363810 *2363800 *2363790 *2363780 *2363770 *2363760 *2363750 *2363740
5′ a a a t a t t g a a a t t t t t a t t t t t t c t t a t t t a g c t t t g c a t t t g g c a a a a t t t t g a g g c a t t t t g c c g a c a t c g t a g g a 3′
-fMet - arg - his - phe - ala - asp - ile - val - gly -
-fMet - his - leu - ala - lys - phe - -fMet - pro - thr - ser -
-fMet - lys - phe - leu - tyr - phe - phe - leu - phe - arg - leu - cys - ile - trp - gln - asn - phe - glu - ala - phe - cys - arg - his - arg - arg - ile -


p10 6.5 bits
p10 3.5 bits
p10 4.7 bits
p10 2.3 bits
... p10
p10 5.2 bits
p35 6.2 bits
p35 3.7 bits
... } p35-(22)-p10 2363801 Gap 2.3 bits
... | p35-p10 2363801 total 5.6 bits
... } p35-(24)-p10 2363799 Gap 2.4 bits
{ p35-(23)-p10 2363756 Gap 1.4 bits
| p35-p10 2363756 total 7.1 bits
{ p35-(22)-p10 2363740 Gap
| p35-p10 2363740 total 6.0
p35 6.4 bits
p35 4.8 bits
{ p35-(26)-p10 2363785 Gap 3.7 bits
p35 5.2 bits
... | p35-p10 2363799 total 4.2 bits
| p35-p10 2363785 total 6.2 bits
{ p35-(26)-p10 2363769 Gap 3.7 bits
| p35-p10 2363769 total 5.8 bits
{ ... p35-(21)-p10 2
... p35-p10 236373
{ ... p35-(22)-p10 2
... p35-p10 236373
{ ... p35-(24)-p10 2
... p35-p10 236372
* *2363730 * *2363720 * *2363710 * *2363700 * *2363690 * *2363680 * *2363670 * *2363660
5′ t t t t t a a t a t t a c a c c a a c t g c g a a t t a t c g c c a g a a a t g t a g c t c a a t t t c a c g g t a a t t g t c t g g t t g c g c t t g t c t a t 3′
- phe - leu - ile - leu - his - gln - leu - arg - ile - ile - ala - arg - asn - val - ala - gln - phe - his - gly - asn - cys - leu - val - ala - leu - val - tyr -
-fMet - -fMet - arg - leu - ser - ile -
- phe - asn - ile - thr - pro - thr - ala - asn - tyr - arg - gln - lys - cys - ser - ser - ile - ser - arg - -fMet - ser - gly - cys - ala - cys - leu -
... p10 4.6 bits
p10 3.3 bits
p35 5.6 bits
p10 6.3 bits
{ ... p35-(25)-p10 2
p10 2.7 bits
|---------- ... p35-p10 236363
p10 2.8 bits
p35 3.8 bits
{ p35-(23)-p10 2363712 Gap 1.4 bits
| p35-p10 2363712 total 5.7 bits
... } p35-(21)-p10 2363731 Gap 3.3 bits
... | p35-p10 2363731 total 8.2 bits
... } p35-(22)-p10 2363730 Gap 2.3 bits
... | p35-p10 2363730 total 5.5 bits
... } p35-(24)-p10 2363728 Gap 2.4 bits
... | p35-p10 2363728 total 5.5 bits
* *2363650 * *2363640 * *2363630 *
5′ a g g t g g a g t t t a c g t g t t a g c t t t t t g c c g c t c 3′
- arg - trp - ser - leu - arg - val - ser - phe - leu - pro - leu -
- gly - gly - val - tyr - val - leu - ala - phe - cys - arg -
-fMet - glu - phe - thr - cys -
... NC_000913.ais
... } p35-(25)-p10 2363637 Gap 4.0 bits
... | p35-p10 2363637 total 4.3 bits
p10 2.6 bits