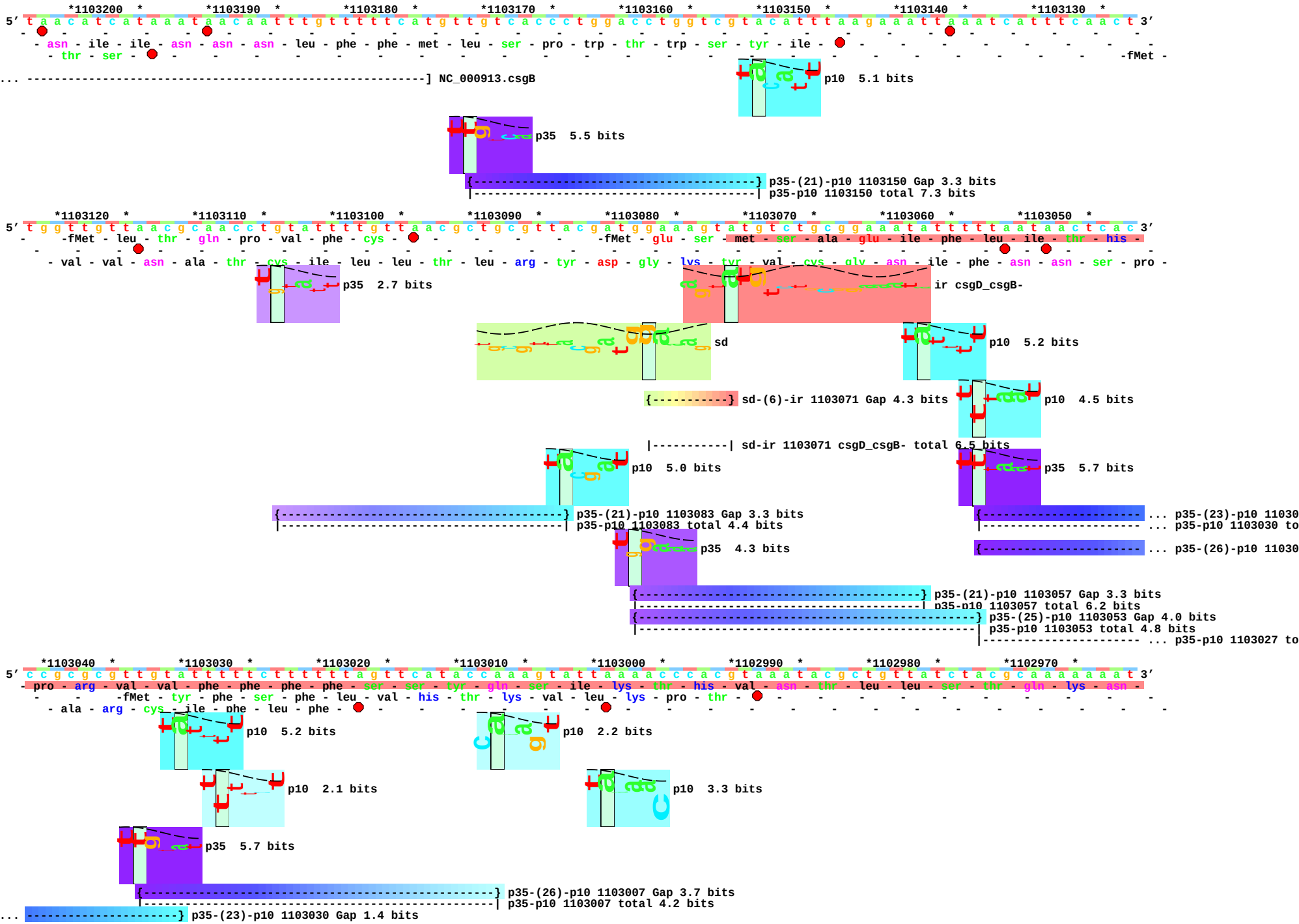
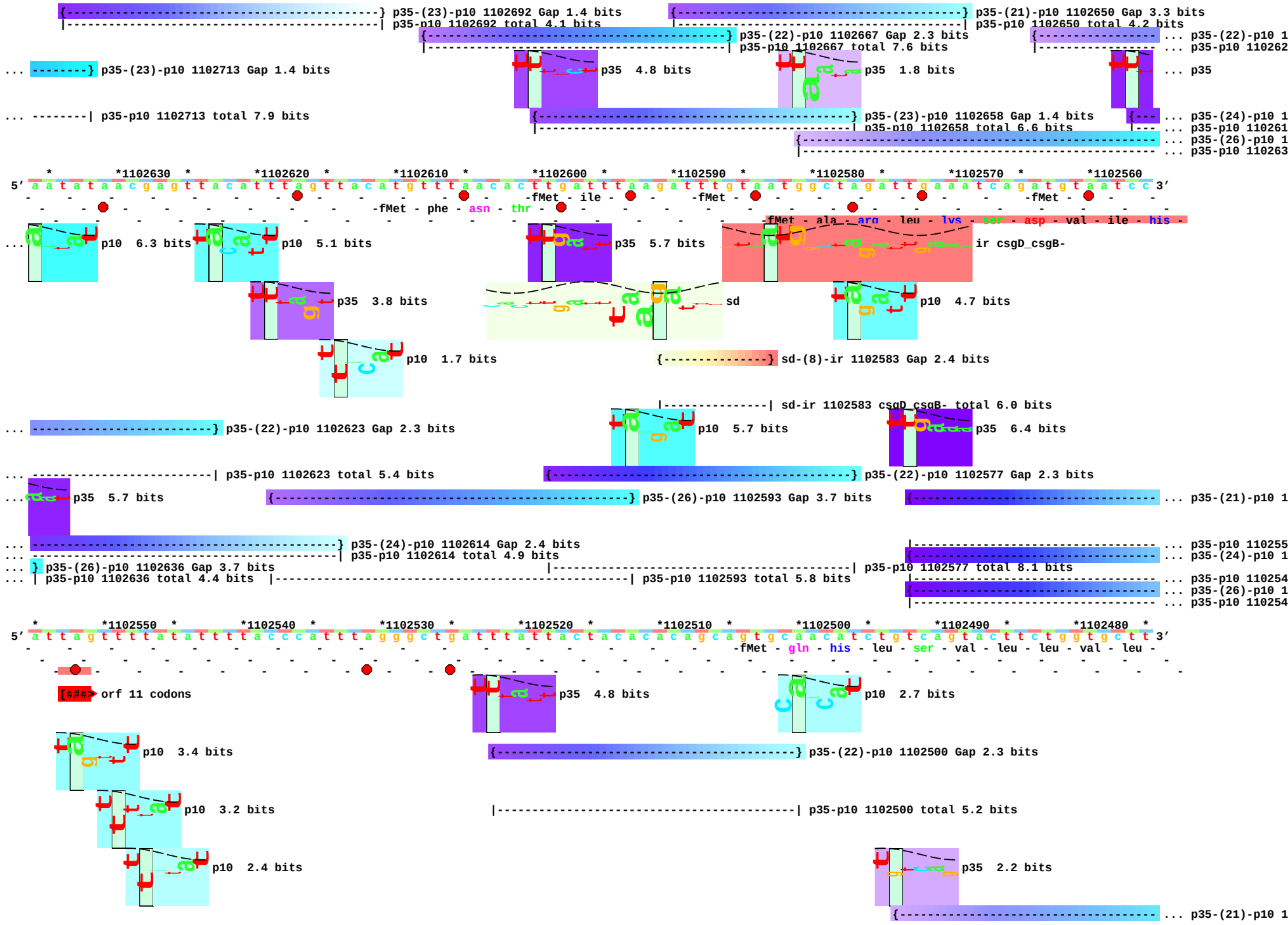
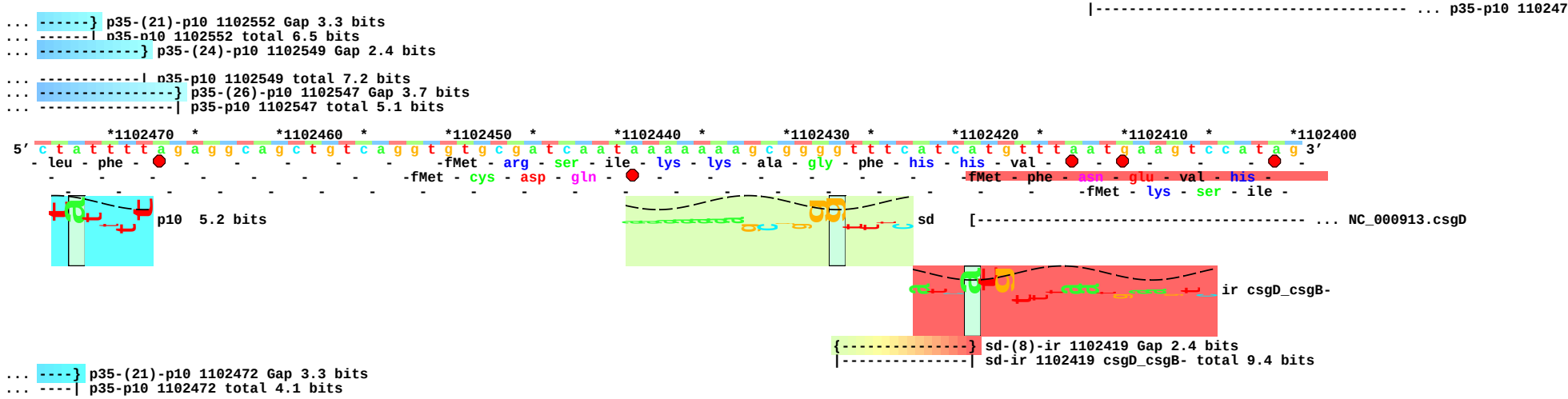
piece 1, NC_000913, csgD_csgB-, config: linear, direction: -, begin: 1103203, end: 1102400



... ----------| p35-p10 1103030 total 9.4 bits
... ----------} p35-(26)-p10 1103027 Gap 3.7 bits
p35 3.9 bits
{----------} p35-(23)-p10 1102999 Gap 1.4 bits
|----------| p35-p10 1102999 total 5.8 bits
... ----------| p35-p10 1103027 total 4.0 bits
*1102960 *1102950 *1102940 *1102930 *1102920 *1102910 *1102900 *1102890 *1102880
5' a t t t t g t t t t c t t t t a a a t c t c c g t t t t c c g c t a t c a a a a a g c a c c a g a c a g t c a t t c t t c t t g c c c g t c g c t g a t t g c t g 3'
- ile - leu - phe - ser - phe - lys - ser - pro - phe - ser - ala - ile - lys - lys - his - gln - thr - val - ile - leu - leu - ala - arg - arg - -fMet - leu -
-fMet - pro - val - ala - asp - cys - cys -
[###> orf 62 codons
*1102870 *1102860 *1102850 *1102840 *1102830 *1102820 *1102810 *1102800
5' c g a t a t g t c t t g c g c a c a a g c c g t g a c a a a c c t c g t c t t t t t g c a g t a a a a a a t t g t c c a c g g a g g t g t g g a g a a a a a a c a 3'
- arg - tyr - val - leu - arg - thr - ser - arg - asp - lys - pro - arg - leu - phe - ala - val - lys - asn - cys - pro - arg - arg - cys - gly - glu - lys - thr -
- asp - met - ser - cys - ala - gln - ala - val - thr - asn - leu - val - phe - leu - gln - -fMet - glu - lys - lys - gln -
-fMet - ser - thr - glu - val - trp - arg - lys - asn - lys -
... sd
*1102790 *1102780 *1102770 *1102760 *1102750 *1102740 *1102730 *1102720
5' a g a a c g t t t t a c a t g a c g a a a g g a c t a c a c c g a a a t a t t t t t t a t a t g c a t t a t t a g t a a g t t a t c a c c a t t t g t a t g a t t 3'
- arg - thr - phe - tyr - met - thr - lys - gly - leu - his - arg - asn - ile - phe - tyr - met - his - tyr - -fMet - ile -
- glu - arg - phe - thr -
- asn - val - leu - his - asp - glu - arg - thr - thr - pro - lys - tyr - phe - leu - tyr - ala - leu - leu - val - ser - tyr - his - his - leu - tyr - asp - phe -
... sd ir csgD_csgB- p10 5.2 bits [###> orf 15 codons p10 6.4 bits
{----------} sd-(11)-ir 1102786 Gap 3.0 bits
p10 2.5 bits
p10 2.0 bits
|----------| sd-ir 1102786 csgD_csgB- total 7.8 bits
p10 2.7 bits
p35 0.9 bits
p35 5.5 bits
p35 4.8 bits
p35 1.8 bits
{----------} p35-(25)-p10 1102765 Gap 4.0 bits
|----------| p35-p10 1102765 total 4.0 bits
{----------} p35-(24)-p10 1102723 Gap 2.4
|----------| p35-p10 1102723 total 4.9 bit
{----------} p35-(26)-p10 1102764 Gap 3.7 bits
|----------| p35-p10 1102764 total 4.6 bits
{---------- ... p35-(23)-p10 1
|---------- ... p35-p10 110271
p35 2.4 bits
{----------} p35-(23)-p10 1102735 Gap 1.4 bits
{----------} p35-(23)-p10 1102762 Gap 1.4 bits
|----------| p35-p10 1102762 total 6.2 bits
|----------| p35-p10 1102735 total 5.4 bits
*1102710 *1102700 *1102690 *1102680 *1102670 *1102660 *1102650 *1102640
5' t t t t a a a a t t g t g c a a t a a a a a c c a a a t g t a c a a c t t t t c t a t c a t t t c t a a a c t t a a t a a a a c c t t a a g t t a a c a t t t t 3'
- phe -
-fMet - gln -
- leu - lys - leu - cys - asn - lys - asn - gln - met - tyr - asn - phe - ser - ile - ile - ser - lys - leu - asn - lys - thr - leu - arg - leu - thr - phe -
p10 7.6 bits
p10 0.0 bits
p10 6.5 bits
p10 3.2 bits
... p10
p35 5.6 bits
p35 3.4 bits
p35 4.4 bits
p10 3.3 bits
p35 2.7 bits


p35-(23)-p10 1102692 Gap 1.4 bits
p35-p10 1102692 total 4.1 bits
p35-(21)-p10 1102650 Gap 3.3 bits
p35-p10 1102650 total 4.2 bits
p35-(22)-p10 1102667 Gap 2.3 bits
p35-p10 1102667 total 7.6 bits
p35-(23)-p10 1102713 Gap 1.4 bits
p35 4.8 bits
p35 1.8 bits
p35-p10 1102713 total 7.9 bits
p35-(23)-p10 1102658 Gap 1.4 bits
p35-p10 1102658 total 6.6 bits
5' aatataacgagttacatttagttacatgtttaaacacttgatttaaagatttgtaatggctagatgaaatcagatgtaatcc 3'
-fMet - ile -
-fMet -
-fMet -
-fMet - phe - asn - thr -
-fMet - ala - arg - leu - lys - ser - asp - val - ile - his -
p10 6.3 bits
p10 5.1 bits
p35 5.7 bits
p35 3.8 bits
sd
p10 4.7 bits
p10 1.7 bits
sd-(8)-ir 1102583 Gap 2.4 bits
sd-ir 1102583 csgD_csgB- total 6.0 bits
p35-(22)-p10 1102623 Gap 2.3 bits
p10 5.7 bits
p35 6.4 bits
p35-p10 1102623 total 5.4 bits
p35-(22)-p10 1102577 Gap 2.3 bits
p35 5.7 bits
p35-(26)-p10 1102593 Gap 3.7 bits
p35-(24)-p10 1102614 Gap 2.4 bits
p35-p10 1102614 total 4.9 bits
p35-(26)-p10 1102636 Gap 3.7 bits
p35-p10 1102636 total 4.4 bits
p35-p10 1102577 total 8.1 bits
p35-p10 1102593 total 5.8 bits
5' atttagttttatatttttacccatttagggctgatttattactacacacagcagtgcaacatctgtcagtacttctggtgctt 3'
-fMet - gln - his - leu - ser - val - leu - leu - val - leu -
[###> orf 11 codons
p35 4.8 bits
p10 2.7 bits
p10 3.4 bits
p35-(22)-p10 1102500 Gap 2.3 bits
p10 3.2 bits
p35-p10 1102500 total 5.2 bits
p10 2.4 bits
p35 2.2 bits


|---------- ... p35-p10 110247
... ------} p35-(21)-p10 1102552 Gap 3.3 bits
... ------| p35-p10 1102552 total 6.5 bits
... ----------} p35-(24)-p10 1102549 Gap 2.4 bits
... ----------| p35-p10 1102549 total 7.2 bits
... ----------} p35-(26)-p10 1102547 Gap 3.7 bits
... ----------| p35-p10 1102547 total 5.1 bits
*1102470
*1102460
*1102450
*1102440
*1102430
*1102420
*1102410
*1102400
5’ c t a t t t t a g a g g c a g c t g t c a g g t g t g c g a t c a a t a a a a a a a g c g g g g t t t c a t c a t g t t t a a t g a a g t c c a t a g 3’
- leu - phe - fMet - arg - ser - ile - lys - lys - ala - gly - phe - his - his - val -
fMet - cys - asp - gln -
fMet - phe - asn - glu - val - his -
fMet - lys - ser - ile -
p10 5.2 bits
sd [---------- ... NC_000913.csgD
ir csgD_csgB-
{----------} sd-(8)-ir 1102419 Gap 2.4 bits
|----------| sd-ir 1102419 csgD_csgB- total 9.4 bits
... ----} p35-(21)-p10 1102472 Gap 3.3 bits
... ----| p35-p10 1102472 total 4.1 bits