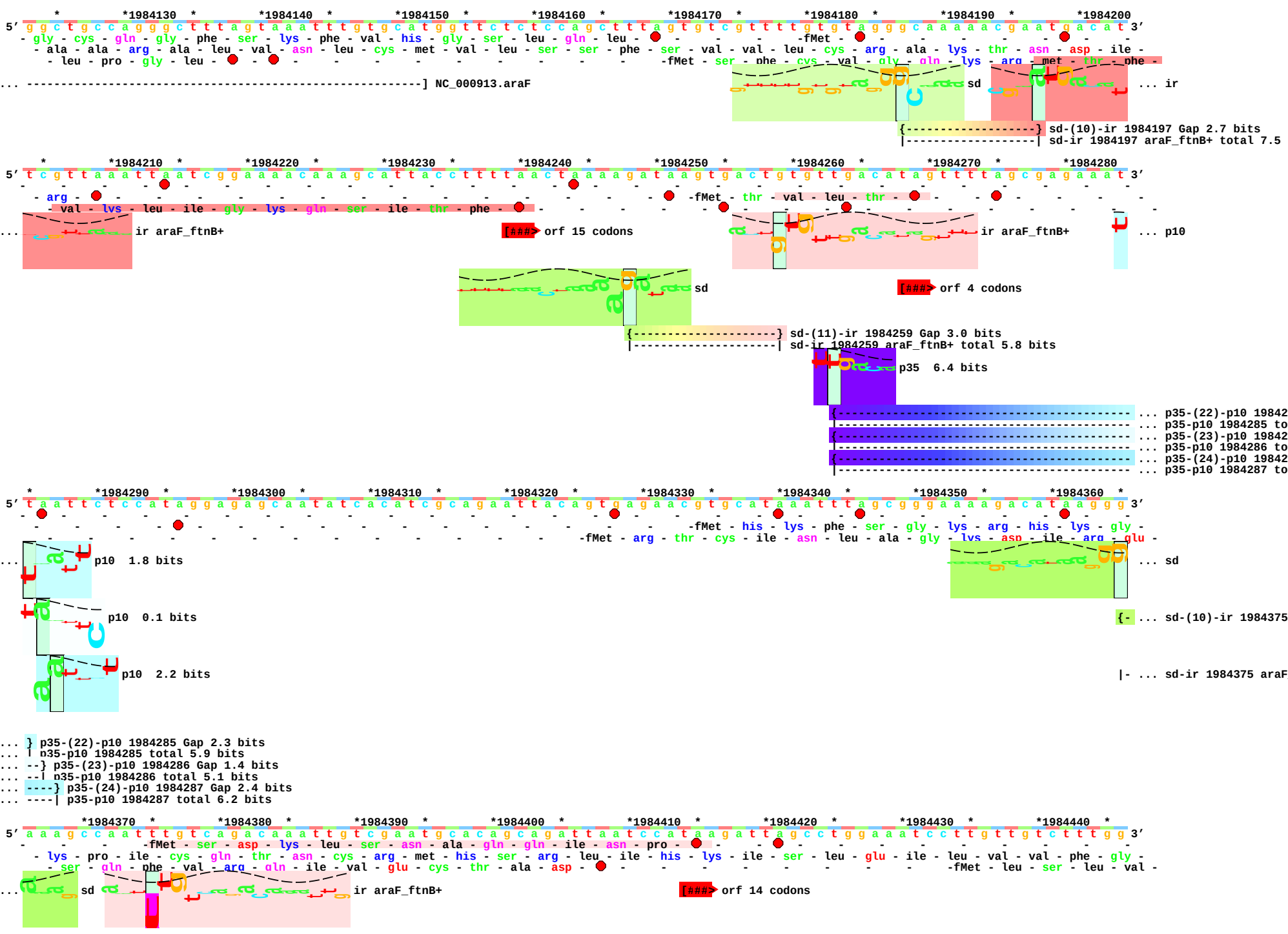
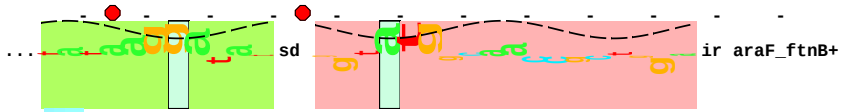
piece 1, NC_000913, araF_ftnB+, config: linear, direction: +, begin: 1984123, end: 1984968

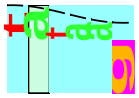


... ----------} sd-(10)-ir 1984375 Gap 2.7 bits
... ----------| sd-ir 1984375 araF_ftnB+ total 6.4 bits
*1984450 * *1984460 * *1984470 * *1984480 * *1984490 * *1984500 * *1984510 * *1984520 *
5′ t a c c c a t g c g g g a t g t c t t c t t t t t a a c c a g t c a a t a g g c c g c a t t a c c t g g c g t t g a g t t t t t g a a a t g g t g t a a t a a c c 3′
-fMet - ser - ser - phe - -fMet - ser - phe - -fMet - val -
- thr - his - ala - gly - cys - leu - leu - phe - asn - gln - ser - ile - gly - arg - ile - thr - trp - arg -
- pro - met - arg - asp - val - phe - phe - leu - thr - ser - gln - -fMet - lys - trp - cys - asn - asn - arg -
p35 6.4 bits
{---------- ... p35-(26)-p10 1
|---------- ... p35-p10 198453
*1984530 * *1984540 * *1984550 * *1984560 * *1984570 * *1984580 * *1984590 * *1984600 *
5′ g c a a c t c a a a g a t g t g g a a a a t g c a c g t c a t t c a t t t c g t c a t t a a t t a t c a c t g t g c t c a t t a a t t a a c a g a a c a c g t a t 3′
-fMet - glu - asn - ala - arg - his - ser - phe - arg - his - -fMet - leu - ile - asn -
- asn - ser - lys - met - trp - lys - met - his - val - ile - his - phe - val - ile - asn - tyr - his - cys - ala - his -
ir araF_ftnB+ [###> orf 15 codons ... ir
... ----------} p35-(26)-p10 1984536 Gap 3.7 bits
sd
... ----------| p35-p10 1984536 total 4.6 bits
{---------- ... sd-(11)-ir 198
sd
|---------- ... sd-ir 1984610
{----------} sd-(7)-ir 1984548 Gap 3.7 bits
... sd
|----------| sd-ir 1984548 araF_ftnB+ total 6.7 bits
p10 1.9 bits
*1984610 * *1984620 * *1984630 * *1984640 * *1984650 * *1984660 * *1984670 * *1984680 *
5′ a a t g a g a g c c a t c t c g c a a a a a t g a a a a a a a c g t t t t a t a a a a t c a t c a c t t c a t c a t g a a t t c a a a t t c a t t g a t t a a t a t 3′
-fMet - lys - lys - arg - phe - ile - lys - ser - ser - leu - his - his - glu - phe - lys - phe - ile - asp -
-fMet - arg - ala - ile - ser - gln - lys - -fMet - asn - ser - asn - ser - leu - ile - asn - ile -
... ir araF_ftnB+ [###> orf 19 codons
[###> orf 8 codons
... p35
... --} sd-(11)-ir 1984610 Gap 3.0 bits ir araF_ftnB+ {--- ... p35-(23)-p10 1
... --| sd-ir 1984610 araF_ftnB+ total 7.0 bits |--- ... p35-p10 198471
... sd
{----------} sd-(18)-ir 1984630 Gap 6.9 bits
|----------| sd-ir 1984630 araF_ftnB+ total 7.9 bits
*1984690 * *1984700 * *1984710 * *1984720 * *1984730 * *1984740 * *1984750 * *1984760 * *1984770
5′ c a a c a a g a t a c a a a a a g c a c t a t c a t t a a a a t t c a t t g c a g t t a c a t t g a t t t c a t c a a t g a a a t g t a a a a a t a t a t a a a c 3′

- asn - lys - ile - gln - lys - ala - leu - ser - leu - lys - phe - ile - ala - val - thr - leu - ile - ser - ser - met - lys - cys - lys - asn - ile -
-fMet - gln - leu - his -
-fMet -
p10 6.3 bits
sd
ir araF_ftnB+
p35 1.1 bits
{----------} sd-(10)-ir 1984748 Gap 2.7 bits
orf 7 codons
p35-(23)-p10 1984711 Gap 1.4 bits
p35-p10 1984711 total 6.0 bits
|----------| sd-ir 1984748 araF_ftnB+ total 5.6 bits
p35 5.7 bits
p10 3.8 bits
p35-(21)-p10 1984758 Gap 3.3 bits
p35-p10 1984758 total 6.2 bits
p35 5.3 bits
p10 2.5 bits
p35-(23)-p10 1984760 Gap 1.4 bits
p35-p10 1984760 total 6.8 bits
... p10
p35-(26)-p10 1984767 Gap
p35-p10 1984767 total 8.1
*1984780 *1984790 *1984800 *1984810 *1984820 *1984830 *1984840 *1984850
5' t t g a t g a t t t a a g c a t t t t c t t a t a c c c g t t c a g a c g t t a t t c t t a t t t c a g a t c a t c g t c a g a a t t g a c t c c a c g a t c a c 3'
-fMet - met - ile -
-fMet - thr - pro - arg - ser - his -
p35 4.7 bits
p10 3.0 bits
p10 6.0 bits
p35-(21)-p10 1984793 Gap 3.3 bits
p35-p10 1984793 total 4.4 bits
p35 4.8 bits
p35-(23)-p10 1984810 Gap 1.4 bits
p35-p10 1984810 total 9.3 bits
p10 6.5 bits
*1984860 *1984870 *1984880 *1984890 *1984900 *1984910 *1984920 *1984930
5' a t t t c g g a c c g g c a g a a a g g a a t t a t t c t g c a a a c a g t a a t t a t g g t g t t t t g a t t t a t c t t g c a c c t c t c c a c t t c t g g a 3'
-fMet - val - phe -
-fMet - his - leu - ser - thr - ser - gly -
- phe - gly - pro - ala - glu - arg - asn - tyr - ser - ala - asn - ser - asn - tyr - gly - val - leu - ile - tyr - leu - ala - pro - leu - his - phe - trp - ile -
p35 2.5 bits
p10 6.0 bits
p35 4.7 bits
... sd
p35-(22)-p10 1984876 Gap 2.3 bits
p35-p10 1984876 total 6.1 bits
... p35-(21)-p10 1
... p35-p10 198493
*1984940 *1984950 *1984960
5' t a t a a g g a t a t t a g g t a t g g c a a c c g c t g g a a t g c t 3'
- tyr - lys - asp - ile - arg - tyr - gly - asn - arg - trp - asn - ala -
-fMet - ala - thr - ala - gly - met -




... --} p35-(21)-p10 1984934 Gap 3.3 bits
... --| p35-p10 1984934 total 4.7 bits
{------------------} sd-(10)-ir 1984949 Gap 2.7 bits
|------------------| sd-ir 1984949 araF_ftnB+ total 9.4 bits



p10 3.3 bits