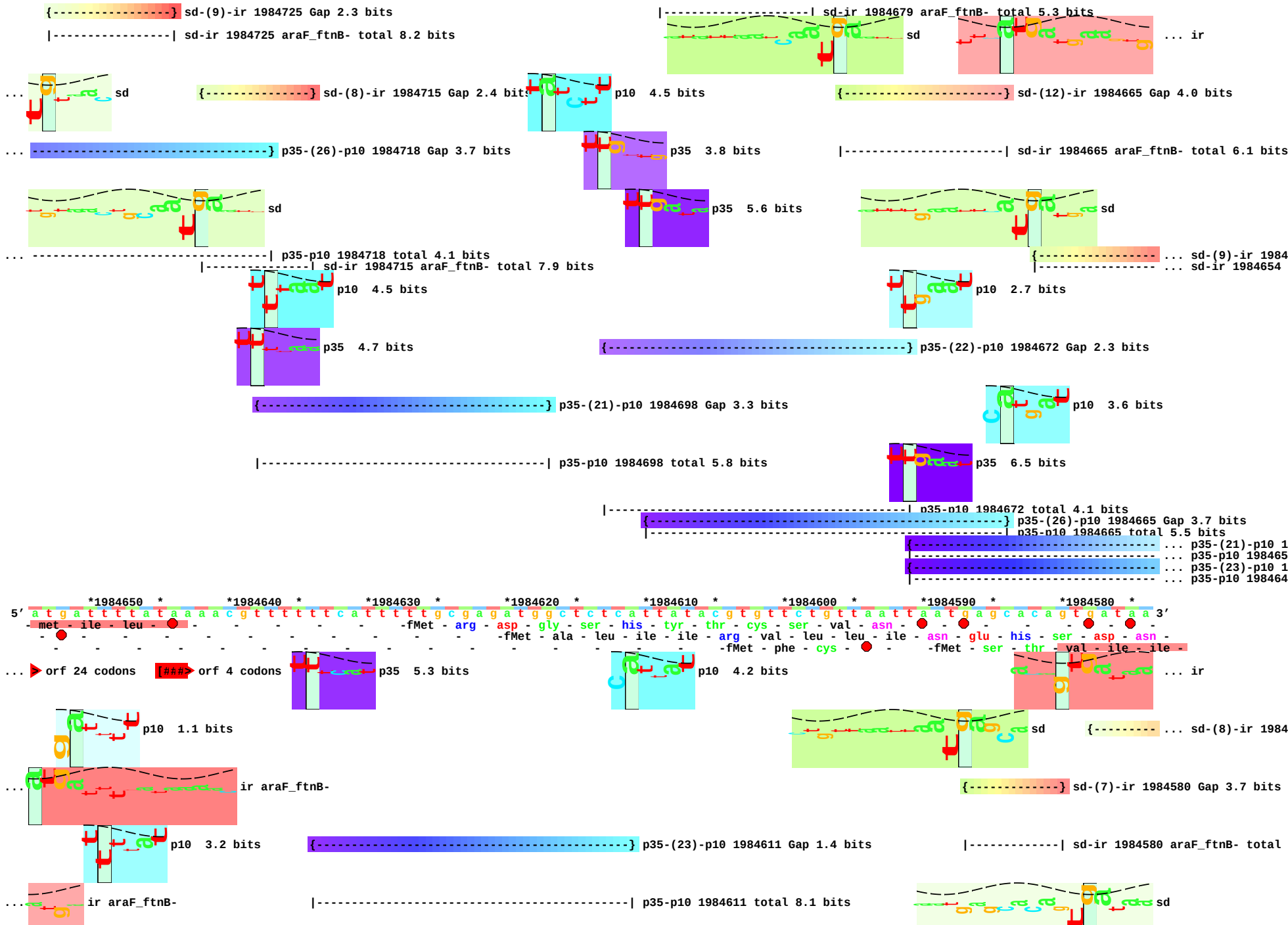
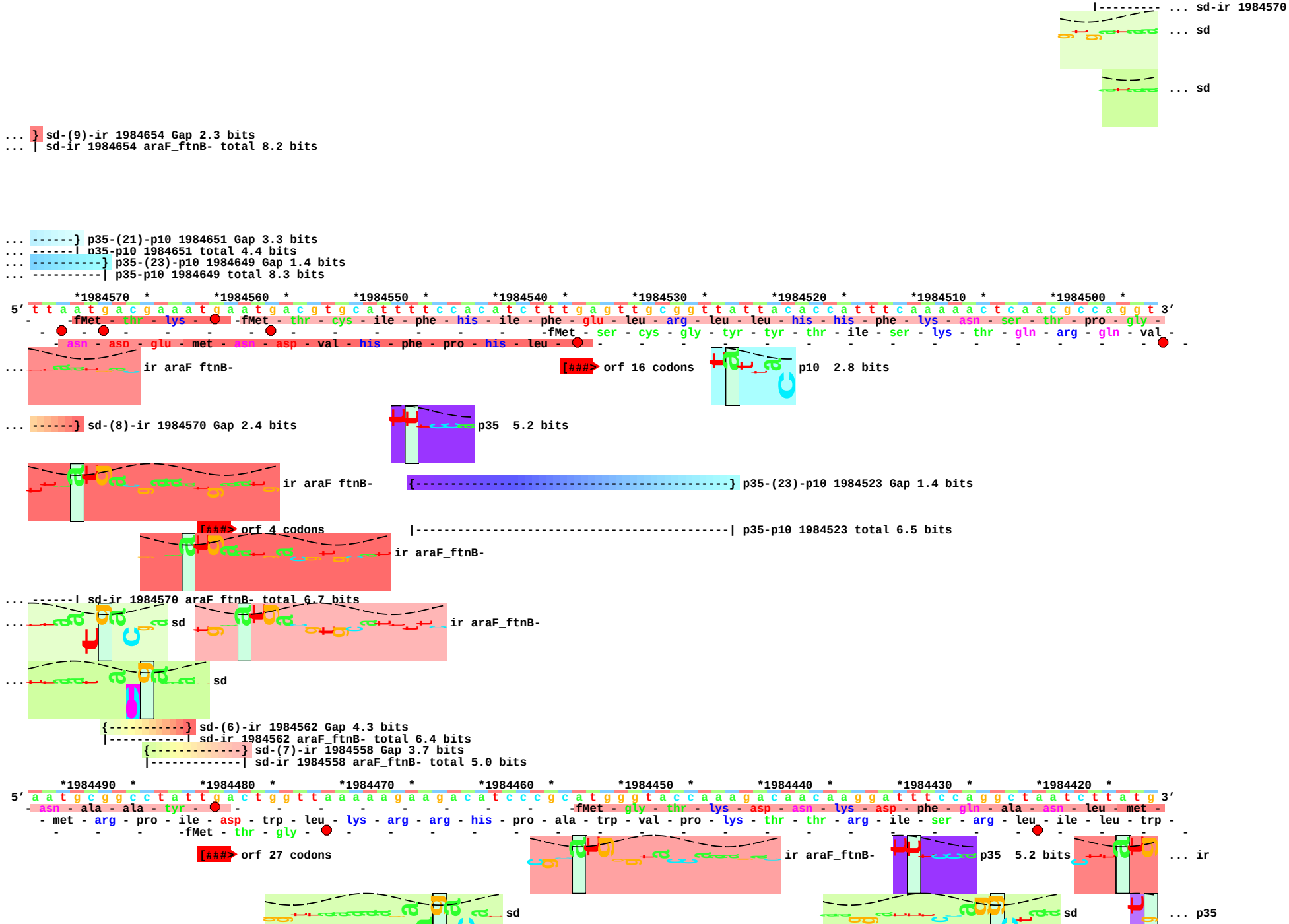
piece 1, NC_000913, araF_ftnB-, config: linear, direction: -, begin: 1984978, end: 1984133


{----------} sd-(9)-ir 1984725 Gap 2.3 bits
|----------| sd-ir 1984725 araF_ftnB- total 8.2 bits
|----------| sd-ir 1984679 araF_ftnB- total 5.3 bits
sd
... ir
... sd
{----------} sd-(8)-ir 1984715 Gap 2.4 bits
p10 4.5 bits
{----------} sd-(12)-ir 1984665 Gap 4.0 bits
... {----------} p35-(26)-p10 1984718 Gap 3.7 bits
p35 3.8 bits
|----------| sd-ir 1984665 araF_ftnB- total 6.1 bits
p35 5.6 bits
sd
sd
... |----------| p35-p10 1984718 total 4.1 bits
{---------- ... sd-(9)-ir 1984
|----------| sd-ir 1984715 araF_ftnB- total 7.9 bits
|---------- ... sd-ir 1984654
p10 4.5 bits
p10 2.7 bits
p35 4.7 bits
{----------} p35-(22)-p10 1984672 Gap 2.3 bits
{----------} p35-(21)-p10 1984698 Gap 3.3 bits
p10 3.6 bits
|----------| p35-p10 1984698 total 5.8 bits
p35 6.5 bits
|----------| p35-p10 1984672 total 4.1 bits
{----------} p35-(26)-p10 1984665 Gap 3.7 bits
|----------| p35-p10 1984665 total 5.5 bits
{---------- ... p35-(21)-p10 1
|---------- ... p35-p10 198465
{---------- ... p35-(23)-p10 1
|---------- ... p35-p10 198464
*1984650 * *1984640 * *1984630 * *1984620 * *1984610 * *1984600 * *1984590 * *1984580 *
5' a t g a t t t t a t a a a c g t t t t t t c a t t t t g c g a g a t g g c t c t c a t t a t a c g t g t t c t g t t a a t t a a t g a g c a c a g t g a t a a 3'
- met - ile - leu - - - - - - - - -fMet - arg - asp - gly - ser - his - tyr - thr - cys - ser - val - asn - - - - - - - - -
- - - - - - - - -


|--------- ... sd-ir 1984570
... sd
... sd
... } sd-(9)-ir 1984654 Gap 2.3 bits
... | sd-ir 1984654 araF_ftnB- total 8.2 bits
... ------} p35-(21)-p10 1984651 Gap 3.3 bits
... ------| p35-p10 1984651 total 4.4 bits
... ----------} p35-(23)-p10 1984649 Gap 1.4 bits
... ----------| p35-p10 1984649 total 8.3 bits
*1984570 * *1984560 * *1984550 * *1984540 * *1984530 * *1984520 * *1984510 * *1984500 *
5′ t t a a t g a c g a a a t g a a t g a c g t g c a t t t t c c a c a t c t t t g a g t t g c g g t t a t t a c a c c a t t t c a a a a a c t c a a c g c c a g g t 3′
fMet - thr - lys - fMet - thr - cys - ile - phe - his - ile - phe - glu - leu - arg - leu - leu - his - his - phe - lys - asn - ser - thr - pro - gly -
fMet - ser - cys - gly - tyr - tyr - thr - ile - ser - lys - thr - gln - arg - gln - val -
asn - asp - glu - met - asn - asp - val - his - phe - pro - his - leu -
... ir araF_ftnB-
[###> orf 16 codons
p10 2.8 bits
... ------} sd-(8)-ir 1984570 Gap 2.4 bits
p35 5.2 bits
ir araF_ftnB-
{----------} p35-(23)-p10 1984523 Gap 1.4 bits
[###> orf 4 codons
|----------| p35-p10 1984523 total 6.5 bits
ir araF_ftnB-
... ------| sd-ir 1984570 araF_ftnB- total 6.7 bits
... sd
ir araF_ftnB-
... sd
{----------} sd-(6)-ir 1984562 Gap 4.3 bits
|----------| sd-ir 1984562 araF_ftnB- total 6.4 bits
{----------} sd-(7)-ir 1984558 Gap 3.7 bits
|----------| sd-ir 1984558 araF_ftnB- total 5.0 bits
*1984490 * *1984480 * *1984470 * *1984460 * *1984450 * *1984440 * *1984430 * *1984420 *
5′ a a t g c g g c c t a t t g a c t g g t t a a a a a g a a g a c a t c c c g c a t g g g t a c c a a a g a c a a c a a g g a t t t c c a g g c t a a t c t t a t g 3′
asn - ala - ala - tyr - fMet - gly - thr - lys - asp - asn - lys - asp - phe - gln - ala - asn - leu - met -
met - arg - pro - ile - asp - trp - leu - lys - arg - arg - his - pro - ala - trp - val - pro - lys - thr - thr - arg - ile - ser - arg - leu - ile - leu - trp -
fMet - thr - gly -
[###> orf 27 codons
ir araF_ftnB-
p35 5.2 bits
... ir
sd
sd
... p35

sd-(10)-ir 1984453 Gap 2.7 bits
sd-ir 1984453 araF_ftnB- total 6.2 bits
sd-(9)-ir 1984414 Gap 2
sd-ir 1984414 araF_ftnB
... sd
... p35-(22)-p10 1
... p35-p10 198440
... p35-(22)-p10 1
... p35-p10 198439
*1984410
*1984400
*1984390
*1984380
*1984370
*1984360
*1984350
*1984340
5′ g a t t a a t c t g c t g t g c a t t c g a c a a t t t g t c t g a c a a a t t g g c t t t c c c t t a t g t c t t t t c c c g c t a a a t t t a t g c a c g t t 3′
- asp - - - -fMet - his - ser - thr - ile - cys - leu - thr - asn - trp - leu - ser - leu - met - ser - phe - pro - ala - lys - phe - met - his - val -
- ile - asn - leu - leu - cys - ile - arg - gln - phe - val -
-fMet - ser - asp - lys - leu - ala - phe - pro - tyr - val - phe - ser - arg -
... ir araF_ftnB-
p10 2.9 bits
p35 3.8 bits
p10 5.7 bits
... p35 3.6 bits
p35-(22)-p10 1984345 Gap 2.3 bits
[###> orf 16 codons
p35-p10 1984345 total 7.1 bits
ir araF_ftnB-
... sd
... p35-(22)-p10 1984407 Gap 2.3 bits
... p35-p10 1984407 total 8.0 bits
... p35-(22)-p10 1984390 Gap 2.3 bits
... p35-p10 1984390 total 4.1 bits
sd-(12)-ir 1984399 Gap 4.0 bits
sd-ir 1984399 araF_ftnB- total 5.7 bits
p10 5.2 bits
*1984330
*1984320
*1984310
*1984300
*1984290
*1984280
*1984270
*1984260
*1984250
5′ c t c a c t g t a a t t c t g c g a t g t g a t a t t g c t c t c c t a t g g a g a a t t a a t t t c t c g c t a a a a c t a t g t c a a c a c a g t c a c t t a 3′
- leu - thr - val - ile - leu - arg - cys - asp - ile - ala - leu - leu - trp - arg - ile - asn - phe - ser - leu - lys - leu - cys - gln - his - ser - his - leu -
-fMet - ile - leu - leu - ser - tyr - gly - glu - leu - ile - ser - arg -
-fMet - -fMet - glu - asn - -fMet - ser - thr - gln - ser - leu - ile -
*1984240
*1984230
*1984220
*1984210
*1984200
*1984190
*1984180
*1984170
5′ t c t t t t a g t t a a a a g g t a a t g c t t t g t t t t c c g a t t a a t t t a a c g a a t g t c a t t c g t t t t t g c c c t a c a c a a a a c g a c a c t 3′
- ser - phe - ser - - -fMet - leu - cys - phe - pro - ile - asn - leu - thr - asn - val - ile - arg - phe - cys - pro - thr - gln - asn - asp - thr -
- phe - -fMet - phe - ser - asp - -fMet - ser - phe - val - phe - ala - leu - his - lys - thr - thr - leu -
-fMet - pro - tyr - thr - lys - arg - his -
[###> orf 54 codons
... sd
*1984160
*1984150
*1984140
5′ a a a g c t g g a g a g a a c c a t g c a c a a a t t t a c t a a a g c 3′
- lys - ala - gly - glu - asn - his - ala - gln - ile - tyr -
- lys - leu - glu - arg - thr - met - his - lys - phe - thr - lys -
... sd
[------------------------------------ ... NC_000913.araF

{----------------} sd-(9)-ir 1984152 Gap 2.3 bits
|----------------| sd-ir 1984152 araF_ftnB- total 14.0 bits