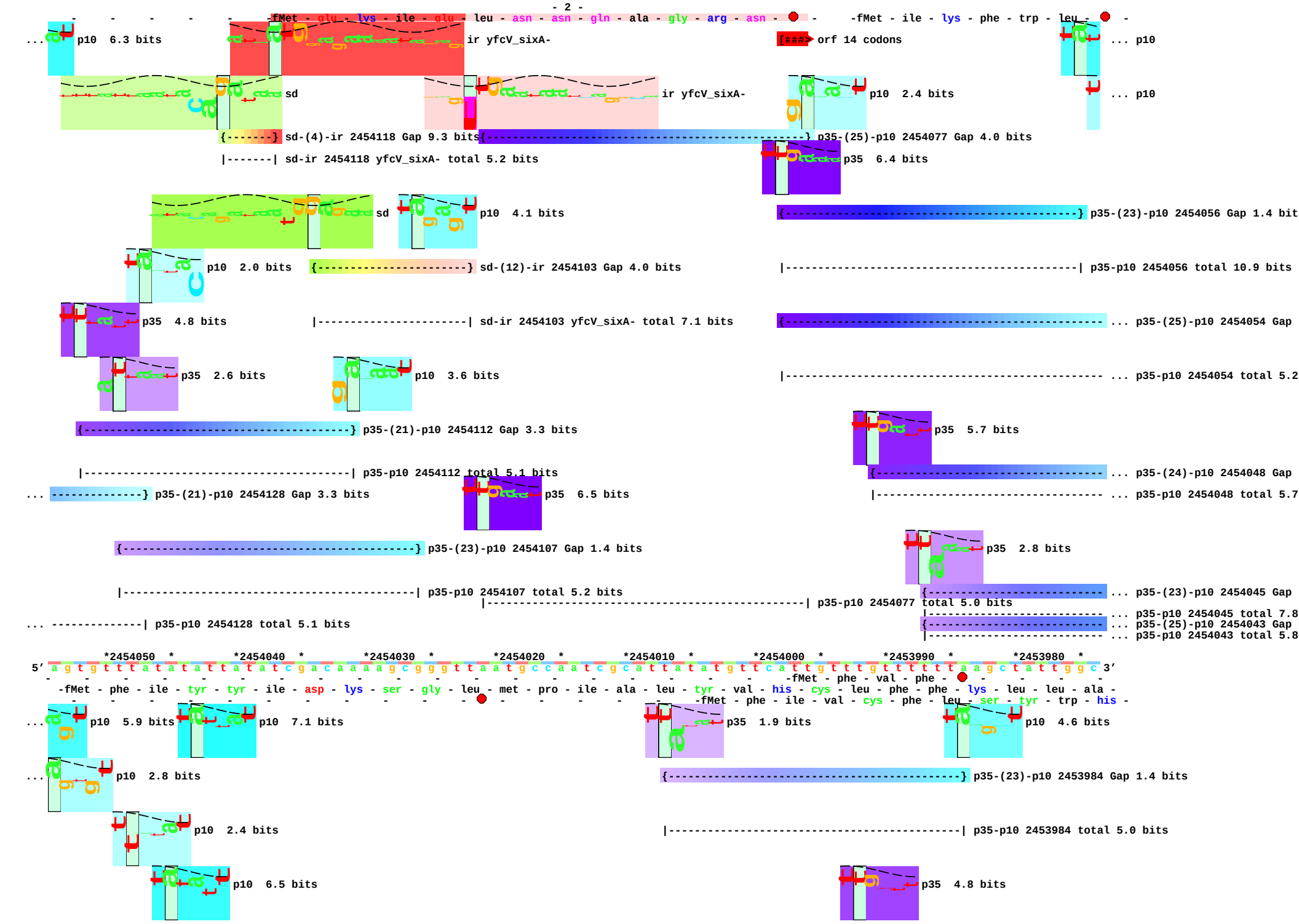
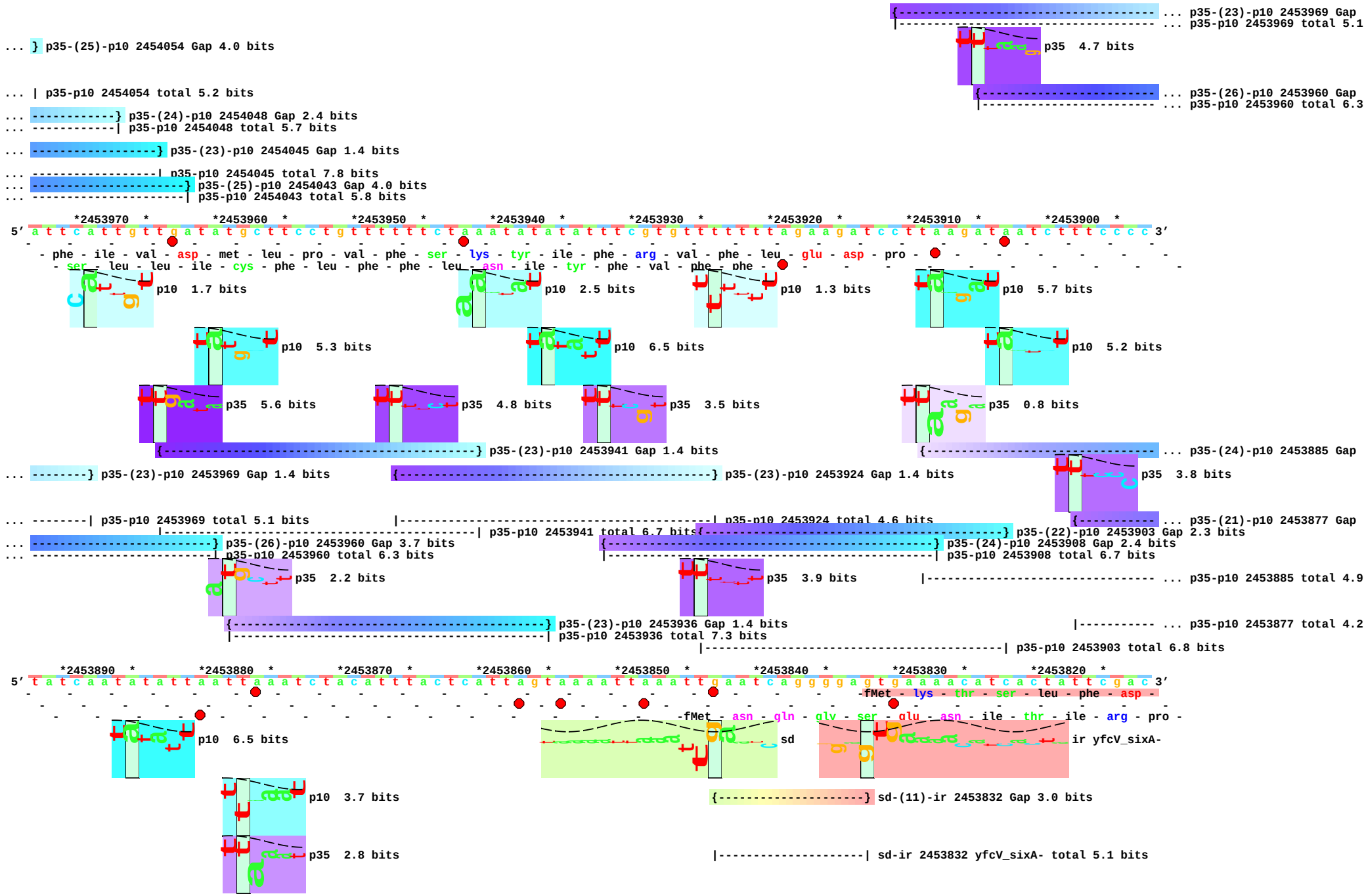
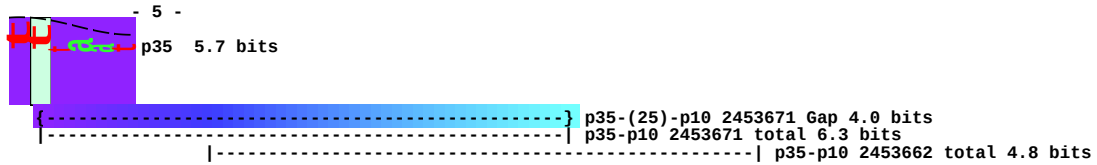
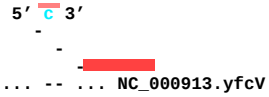
piece 1, NC_000913, yfcV_sixA-, config: linear, direction: -, begin: 2454378, end: 2453649
sd
ir yfcV_sixA-
p35 4.0 bits
sd-(12)-ir 2454335 Gap 4.0 bits
sd-ir 2454335 yfcV_sixA- total 7.9 bits
p10 2.8 bits
p35-(24)-p10 2454340 Gap 2.4 bits
p35-p10 2454340 total 4.4 bits
p35 4.6 bits
orf 58 codons
orf 4 codons
... p10
sd-(10)-ir 2454158 Gap 2.7 bits
sd-ir 2454158 yfcV_sixA- total 5.5 bits
p10 4.6 bits
p10 1.8 bits
p35-(25)-p10 2454161 Gap 4.0 bits
p10 4.2 bits
p35-p10 2454161 total 5.2 bits
p35 6.4 bits
p35 6.4 bits
p35-(22)-p10 2454147 Gap 2.3 bits
p35-p10 2454147 total 5.9 bits
p35 3.5 bits
... p35-(21)-p10 2454128 Gap
p35-(23)-p10 2454141 Gap 1.4 bits
p35-p10 2454141 total 6.2 bits
p35-(26)-p10 2454138 Gap 3.7 bits
p35-p10 2454138 total 6.1 bits
... p35-p10 2454128 total 5.1


-fMet - glu - lys - ile - glu - leu - asn - asn - gln - ala - gly - arg - asn -
-fMet - ile - lys - phe - trp - leu -
... p10 6.3 bits
ir yfcV_sixA-
[###> orf 14 codons
... p10
sd
ir yfcV_sixA-
p10 2.4 bits
... p10
{-------} sd-(4)-ir 2454118 Gap 9.3 bits
{----------} p35-(25)-p10 2454077 Gap 4.0 bits
|-------| sd-ir 2454118 yfcV_sixA- total 5.2 bits
p35 6.4 bits
sd
p10 4.1 bits
{----------} p35-(23)-p10 2454056 Gap 1.4 bit
p10 2.0 bits
{----------} sd-(12)-ir 2454103 Gap 4.0 bits
|----------| p35-p10 2454056 total 10.9 bits
p35 4.8 bits
|----------| sd-ir 2454103 yfcV_sixA- total 7.1 bits
{---------- ... p35-(25)-p10 2454054 Gap
p35 2.6 bits
p10 3.6 bits
|---------- ... p35-p10 2454054 total 5.2
{----------} p35-(21)-p10 2454112 Gap 3.3 bits
p35 5.7 bits
|----------| p35-p10 2454112 total 5.1 bits
{---------- ... p35-(24)-p10 2454048 Gap
... ----------} p35-(21)-p10 2454128 Gap 3.3 bits
p35 6.5 bits
|---------- ... p35-p10 2454048 total 5.7
{----------} p35-(23)-p10 2454107 Gap 1.4 bits
p35 2.8 bits
|----------| p35-p10 2454107 total 5.2 bits
{---------- ... p35-(23)-p10 2454045 Gap
|----------| p35-p10 2454077 total 5.0 bits
... ----------| p35-p10 2454128 total 5.1 bits
|---------- ... p35-p10 2454045 total 7.8
{---------- ... p35-(25)-p10 2454043 Gap
|---------- ... p35-p10 2454043 total 5.8
*2454050 * *2454040 * *2454030 * *2454020 * *2454010 * *2454000 * *2453990 * *2453980 *
5' a g t g t t t a t a t a t t a t a t c g a c a a a a g c g g g t t a a t g c c a a t c g c a t t a t a t g t t c a t t g t t t g t t t t t t a a g c t a t t g g c 3'
-fMet - phe - val - phe -
-fMet - phe - ile - tyr - tyr - ile - asp - lys - ser - gly - leu - met - pro - ile - ala - leu - tyr - val - his - cys - leu - phe - phe - lys - leu - leu - ala -
-fMet - phe - ile - val - cys - phe - leu - ser - tyr - trp - his -
... p10 5.9 bits
p10 7.1 bits
p35 1.9 bits
p10 4.6 bits
... p10 2.8 bits
{----------} p35-(23)-p10 2453984 Gap 1.4 bits
p10 2.4 bits
|----------| p35-p10 2453984 total 5.0 bits
p10 6.5 bits
p35 4.8 bits


... } p35-(25)-p10 2454054 Gap 4.0 bits
... | p35-p10 2454054 total 5.2 bits
... ------------} p35-(24)-p10 2454048 Gap 2.4 bits
... ------------| p35-p10 2454048 total 5.7 bits
... ------------------} p35-(23)-p10 2454045 Gap 1.4 bits
... ------------------| p35-p10 2454045 total 7.8 bits
... ----------------------} p35-(25)-p10 2454043 Gap 4.0 bits
... ----------------------| p35-p10 2454043 total 5.8 bits
{---------- ... p35-(23)-p10 2453969 Gap
|---------- ... p35-p10 2453969 total 5.1
p35 4.7 bits
{---------- ... p35-(26)-p10 2453960 Gap
|---------- ... p35-p10 2453960 total 6.3
*2453970 * *2453960 * *2453950 * *2453940 * *2453930 * *2453920 * *2453910 * *2453900 *
5' a t t c a t t g t t g a t a t g c t t c c t g t t t t t t c t a a a t a t a t a t t t c g t g t t t t t t t a g a a g a t c c t t a a g a t a a t c t t t c c c c 3'
- phe - ile - val - asp - met - leu - pro - val - phe - ser - lys - tyr - ile - phe - arg - val - phe - leu - glu - asp - pro -
- ser - leu - leu - ile - cys - phe - leu - phe - phe - leu - asn - ile - tyr - phe - val - phe - phe -
p10 1.7 bits
p10 2.5 bits
p10 1.3 bits
p10 5.7 bits
p10 5.3 bits
p10 6.5 bits
p10 5.2 bits
p35 5.6 bits
p35 4.8 bits
p35 3.5 bits
p35 0.8 bits
{---------- ... p35-(24)-p10 2453885 Gap
p35 3.8 bits
{---------- ... p35-(21)-p10 2453877 Gap
{---------- ... p35-(22)-p10 2453903 Gap 2.3 bits
{---------- ... p35-(24)-p10 2453908 Gap 2.4 bits
|---------- ... p35-p10 2453908 total 6.7 bits
|---------- ... p35-p10 2453885 total 4.9
|---------- ... p35-p10 2453877 total 4.2
... --------} p35-(23)-p10 2453969 Gap 1.4 bits
... --------| p35-p10 2453969 total 5.1 bits
{---------- p35-(23)-p10 2453924 Gap 1.4 bits
|---------- p35-p10 2453924 total 4.6 bits
{---------- p35-(23)-p10 2453941 Gap 1.4 bits
|---------- p35-p10 2453941 total 6.7 bits
... ----------------------} p35-(26)-p10 2453960 Gap 3.7 bits
... ----------------------| p35-p10 2453960 total 6.3 bits
p35 2.2 bits
p35 3.9 bits
{---------- p35-(23)-p10 2453936 Gap 1.4 bits
|---------- p35-p10 2453936 total 7.3 bits
|---------- p35-p10 2453903 total 6.8 bits
*2453890 * *2453880 * *2453870 * *2453860 * *2453850 * *2453840 * *2453830 * *2453820 *
5' t a t c a a t a t a t t a a t t a a a t c t a c a t t t a c t c a t t a g t a a a a t t a a a t t g a a t c a g g g g a g t g a a a a c a t c a c t a t t c g a c 3'
-fMet - lys - thr - ser - leu - phe - asp -
-fMet - asn - gln - glv - ser - glu - asn - ile - thr - ile - arg - pro -
p10 6.5 bits
sd
ir yfcV_sixA-
p10 3.7 bits
{---------- sd-(11)-ir 2453832 Gap 3.0 bits
p35 2.8 bits
|---------- sd-ir 2453832 yfcV_sixA- total 5.1 bits

... } p35-(24)-p10 2453885 Gap 2.4 bits
p10 7.6 bits
p10 2.8 bits
} p35-(23)-p10 2453854 Gap 1.4 bits
... } p35-(21)-p10 2453877 Gap 3.3 bits
p10 2.7 bits
| p35-p10 2453854 total 9.0 bits
p35 5.7 bits
p35 6.5 bits
} p35-(22)-p10 2453844 Gap 2.3 bits
... | p35-p10 2453885 total 4.9 bits
| p35-p10 2453844 total 6.0 bits
... | p35-p10 2453877 total 4.2 bits
} p35-(23)-p10 2453821 Gap 1.4 bits
| p35-p10 2453821 total 7.9 bits
*2453810 *2453800 *2453790 *2453780 *2453770 *2453760 *2453750 *2453740 *
5' c c c a c a c c a a c g a a t a c a t t t t t t a c g a c c t g t t t t t t t g g a t c g c a t g c c g t a t t c a a t g g c t g g g t a t a a a c a t t g g c t 3'
- pro - thr - pro - thr - asn - thr - phe - phe - thr - thr - cys - phe - phe - gly - ser - his - ala - val - phe - asn - gly - trp - val - - -fMet - ala -
- - - - - - - - - - - - -fMet - asp - arg - met - pro - tyr - ser - met - ala - gly - tyr - lys - his - trp - leu -
- his - thr - asn - glu - tyr - ile - phe - tyr - asp - leu - phe - phe - trp - ile - ala - cys - arg - ile - gln - trp - leu - gly - ile - asn - ile - gly - tyr -
p35 3.9 bits
p10 3.0 bits
[###> orf 31 codons
} p35-(22)-p10 2453756 Gap 2.3 bits
| p35-p10 2453756 total 4.6 bits
*2453730 *2453720 *2453710 *2453700 *2453690 *2453680 *2453670 *2453660 *2453650
5' a t t g a c t g a a t c a a t g t a t t g c a a t g t t t a t a t t t t a a t t a t t t a t a g t t t a a g g a c a a a t a a t g a g t a a g t t t g t t a a a a 3'
- ile - asp - - - - -fMet - gln - cys - leu - tyr - phe - asn - tyr - leu - - - - - - - - - - -fMet - leu - lys -
- leu - thr - glu - ser - met - tyr - cys - asn - val - tyr - ile - leu - ile - ile - tyr - ser - leu - arg - thr - asn - asn - glu - - - - - -
- - - - - - - -fMet - phe - ile - phe - - - - - - - - - -fMet - ser - lys - phe - val - lys -
p35 6.5 bits
ir yfcV_sixA-
[---------- ... NC_000913.yfcV
sd
p10 0.8 bits [###> orf 5 codons
ir yfcV_sixA-
} sd-(8)-ir 2453707 Gap 2.4 bits
sd
p10 3.8 bits
| sd-ir 2453707 yfcV_sixA- total 5.1 bits
} sd-(8)-ir 2453668 Gap 2.4 bits
} p35-(21)-p10 2453707 Gap 3.3 bits
p35 4.7 bits
| sd-ir 2453668 yfcV_sixA- total 16.4 bits
| p35-p10 2453707 total 4.0 bits
p10 5.9 bits
p10 4.6 bits
p35 2.6 bits
p10 2.4 bits
} p35-(26)-p10 2453662 Gap 3.7 bits
} p35-(26)-p10 2453702 Gap 3.7 bits
| p35-p10 2453702 total 5.2 bits
p35 6.1 bits
p10 3.3 bits
} p35-(23)-p10 2453693 Gap 1.4 bits
| p35-p10 2453693 total 4.4 bits
} p35-(25)-p10 2453686 Gap 4.0 bits
| p35-p10 2453686 total 7.9 bits


- 5 -
p35 5.7 bits
{----------} p35-(25)-p10 2453671 Gap 4.0 bits
|----------| p35-p10 2453671 total 6.3 bits
|----------| p35-p10 2453662 total 4.8 bits


5′ c 3′
... -- ... NC_000913.yfcV