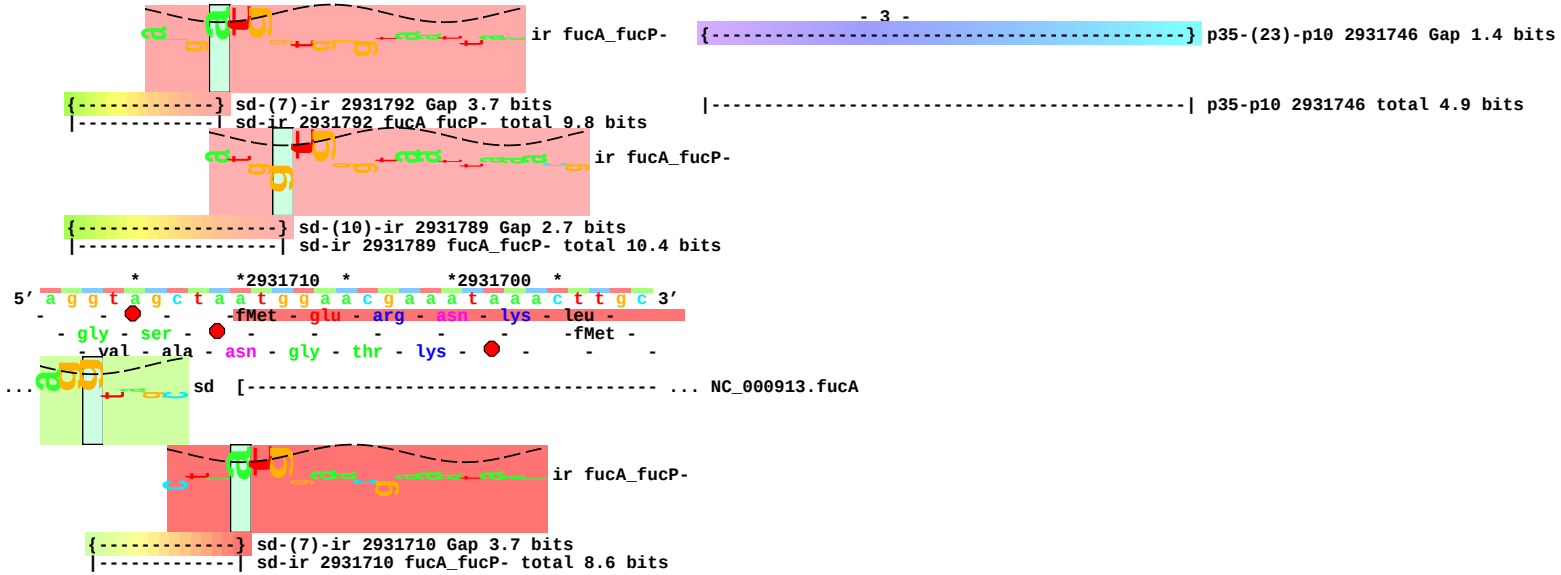
piece 1, NC_000913, fucA_fucP-, config: linear, direction: -, begin: 2932286, end: 2931691

- glu - ile - ser - cys - pro - phe - gln - lys - ile - asn - his - lys - lys - his - lys - ser - asp - asp - arg - ile - asn - cys - leu - cys - arg - lys - arg -
-fMet - thr - val - leu - ile - val - cys - ala - glu - asn - gly -
- asn - phe - met - pro - val - ser - glu - asn - lys - ser -
-fMet - phe - val - pro - lys - thr - val -
ir fucA_fucP-
[###> orf 9 codons
... sd
p10 2.6 bits
{----------} sd-(8)-ir 2932035 Gap 2.4 bits
|----------| sd-ir 2932035 fucA_fucP- total 5.5 bits
p35 5.3 bits
{----------} p35-(23)-p10 2932015 Gap 1.4 bits
|----------| p35-p10 2932015 total 6.4 bits
*2931960 *2931950 *2931940 *2931930 *2931920 *2931910 *2931900 *2931890 *
5' t c a t t c c g g g c t t g g a g g a a t a g a a a a a t g a c c g t t t t g a t a a a t a t t t t t a a g a g c g g t c a t t t t t a a t g g g g t t a t a a a 3'
- ser - phe - arg - ala - trp - arg - asn - arg - lys - met - thr - val - leu - ile - asn - ile - phe - lys - ser - gly - his - phe -
- his - ser - gly - leu - gly - gly - ile - glu - lys -
- ile - pro - gly - leu - glu - glu -
-fMet - gly - leu -
sd
ir fucA_fucP-
[###> orf 58 codons
[###> orf 4 codons
{----------} sd-(10)-ir 2931935 Gap 2.7 bits
sd
... ir
|----------| sd-ir 2931935 fucA_fucP- total 10.6 bits
{----------} sd-(10)-ir 2931894 Gap 2.7 bits
p35 2.3 bits
p10 5.2 bits
|----------| sd-ir 2931894 fucA_fucP- total 5.8 bits
{----------} p35-(24)-p10 2931917 Gap 2.4 bits
|----------| p35-p10 2931917 total 5.1 bits
p35 5.6 bits
p10 2.3 bits
{----------} p35-(24)-p10 2931901 Gap 2.4 bits
|----------| p35-p10 2931901 total 5.5 bits
*2931880 *2931870 *2931860 *2931850 *2931840 *2931830 *2931820 *2931810 *
5' a a g a g a a c t t g c a g t t a t t t a c t g t g a t t g a t t g a a c c a g g t c a c a a a a t a t a a g c t t g t g a a t t t c t t t c t t g t t a a t c a 3'
-fMet - asn - gln - val - thr - lys - tyr - lys - leu - val - asn - phe - phe - leu - val - asn - gln -
-fMet - gln - leu - phe - thr - val - ile - ser -
-fMet - leu - ile - arg -
... sd
... ir fucA_fucP-
*2931800 *2931790 *2931780 *2931770 *2931760 *2931750 *2931740 *2931730 *2931720
5' g g a a g a a g a t g g t g g g t a a t t a a a c g g c t a a t t c a a t a g t g t g a a a g g a a c a a c a t t a t t g c c c t g t t t t g a a t c a g a g a g 3'
- glu - glu - asp - gly - gly -
-fMet - lys - gly - thr - thr - leu - leu - pro - cys - phe - glu - ser - glu - arg -
- lys - lys - met - val - gly - asn -
-fMet -
-fMet - asn - gln - arg - glu -
... sd
[###> orf 5 codons
p35 2.1 bits
p10 4.2 bits
... sd


- 3 -
ir fucA_fucP-
{----------} p35-(23)-p10 2931746 Gap 1.4 bits
{----------} sd-(7)-ir 2931792 Gap 3.7 bits
|----------| sd-ir 2931792 fucA_fucP- total 9.8 bits
|----------| p35-p10 2931746 total 4.9 bits
ir fucA_fucP-
{----------} sd-(10)-ir 2931789 Gap 2.7 bits
|----------| sd-ir 2931789 fucA_fucP- total 10.4 bits
* *2931710 * *2931700 *
5’ a g g t a g c t a a t g g a a c g a a a t a a a c t t g c 3’
-fMet - glu - arg - asn - lys - leu -
- gly - ser - -fMet -
- val - ala - asn - gly - thr - lys -
... sd [---------- ... NC_000913.fucA
ir fucA_fucP-
{----------} sd-(7)-ir 2931710 Gap 3.7 bits
|----------| sd-ir 2931710 fucA_fucP- total 8.6 bits