piece 1, NC_000913, anmK_slyB-, config: linear, direction: -, begin: 1717929, end: 1717607

```
         *        *1717920   *        *1717910   *        *1717900   *        *1717890   *        *1717880   *        *1717870   *        *1717860   *        *1717850
5' c a t t g a a a c a a c c a a t a c g c g t t t a a t c a t t g a a a a a t c t c c t g t t c a c c a t g a a a c g c c a c g c a a g c a t c c c t c a t g g t c 3'
   - his -   ile - glu - thr - thr - asn - thr - arg - leu - ile - ile - glu - lys - ser - pro - val - his - his - glu - thr - pro - arg - lys - his - pro - ser - trp - ser -
        - leu - lys - gln - pro - ile - arg - val -    -    - -fMet - lys - asn - leu - leu - phe - thr - met - lys - arg - his - ala - ser - ile - pro - his - gly - gln -
...  ------------------------------------------------------------------------]  NC_000913.slyB                                                       ... sd
```
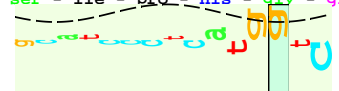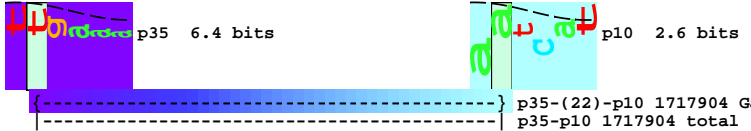
p35   6.4 bits   p10   2.6 bits   {----- ... sd-(10)-ir 1717841 Gap

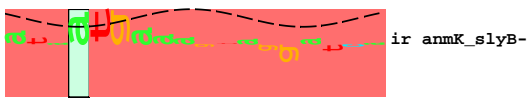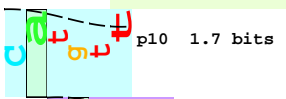 |----- ... sd-ir 1717841 anmK_slyB-

{------------------------------------} p35-(22)-p10 1717904 Gap 2.3 bits
|------------------------------------| p35-p10 1717904 total 6.7 bits

```
         *        *1717840   *        *1717830   *        *1717820   *        *1717810   *        *1717800   *        *1717790   *        *1717780   *        *1717770
5' a a a g t a t a t g g c a t a t g t g a a t c c a t g g t t a c a t g t t c t a c c a a a t a t g a g c a a a t c a t a a t g a a a g t a g g a t c a a c c a a t 3'
   - lys - val - tyr - gly - ile - cys - glu - ser - met - val - thr - cys - ser - thr - lys - tyr - glu - gln - ile - ile - met - lys - val - gly - ser - thr - asn -
        - lys - tyr - met - ala - tyr - val - asn - pro - trp - leu - his - val - leu - pro - asn - met - ser - lys - ser -   -   -   -   -   -   -   -
        - ser - ile - trp - his - met -    -    -    - -fMet - phe - tyr - gln - ile -   -   -   -   -   -   -   -   -   -
... sd                      ir anmK_slyB-                                      sd        [###> orf 18 codons
```
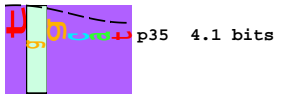
{------------->} sd-(10)-ir 1717841 Gap 2.7 bits   p10   1.7 bits   ir anmK_slyB-

... -------------| sd-ir 1717841 anmK_slyB- total 5.6 bits   p35   2.6 bits   {-------------------------} sd-(12)-ir 1717788 Gap 4.0 bits

p35   4.1 bits |-----------------------| sd-ir 1717788 anmK_slyB- total 6.0 bits

{----------------------------------->} p35-(23)-p10 1717816 Gap 1.4 bits   p10   5.5 bits
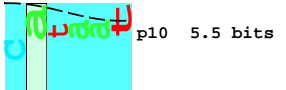
|----------------------------------| p35-p10 1717816 total 4.3 bits

{-------------------------------->} p35-(23)-p10 1717791 Gap 1.4 bits
|--------------------------------| p35-p10 1717791 total 6.7 bits

```
         *        *1717760   *        *1717750   *        *1717740   *        *1717730   *        *1717720   *        *1717710   *        *1717700   *        *1717690
5' t a t a a a c a a c a t t c a t g t g a t t a t t g a t t t g a a g a t a a t g t t t t a c t a c c a a c g g t a a a a a t c g g t c a t t c c g c a t g g 3'
   - tyr - lys - gln - asn - ile - his - asp - asp - tyr -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
        -   -   -   -   -   - -fMet - met - ile - ile - asp - leu - lys - ile - met - phe - tyr - tyr - gln - arg -   -   -   -   -   -   -
        -   -   -   -   - -fMet - ile -   -   -   -   -   -   -   -   -   -   -   -   -   -   - -fMet - val -
p35   2.2 bits     [###> orf 17 codons
```
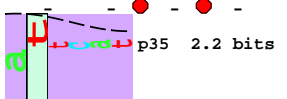
p10   4.3 bits
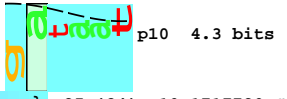
{------------------------------->} p35-(24)-p10 1717730 Gap 2.4 bits
|------------------------------| p35-p10 1717730 total 4.1 bits

```
         *        *1717680   *        *1717670   *        *1717660   *        *1717650   *        *1717640   *        *1717630   *        *1717620   *        *1717610
5' t a t t c a c g a a a a g t t t a t g t t t g a g t g g t g c g c a a a c g t c a g a t t g a a a a a g g a t g a a c t a t g a a a a t c g g g c c g c t t t a t 3'
   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   - -fMet - lys - ser - gly - arg - phe -
        -   -   - -fMet - phe - glu - trp - cys - ala - asn - val - arg - leu - glu - lys - lys - asp - glu - leu -   -   -
   - phe - thr - lys - ser - leu - cys - leu - ser - gly - ala - gln - thr - ser - asp -   -   -   - -fMet - asn - tyr - glu - ile - gly - pro - leu - tyr -
                                                                                             ir anmK_slyB-
```

- 2 -

sd

ir anmK_slyB-

sd-(8)-ir 1717633 Gap 2.4 bits
sd-ir 1717633 anmK_slyB- total 6.6 bits

sd

sd-(8)-ir 1717626 Gap 2.4 bits
sd-ir 1717626 anmK_slyB- total 10.7 bits