piece 1, NC_000913, pncB_pepN+, config: linear, direction: +, begin: 989550, end: 989864

```
        *989550    *    *989560    *    *989570    *    *989580    *    *989590    *    *989600    *    *989610    *    *989620    *    *989630
5' g t g c a g a a c a g g a g a a g c g a a t t g t g t c a t a g g t g c g c a g t a g c g t c c t c g t a c a g g a g c g t t t a g t a c a a t a a a c a t c t t 3'
 -fMet - gln - asn - arg - arg - ser - glu - leu - cys - his - arg - cys - ala - val - ala ●  ala - ser - ser - tyr - arg - ser - val ●  -    -    -    -
      - cys - arg - thr - gly - glu - ala - asn - cys - val - ile - gly - ala - gln ●  -fMet - arg - ser - ser - val - leu - val - gln - glu - arg - leu - val - gln ●  -    -    -
   ...- ala - glu - gln - glu - lys - arg - ile - val - ser ●  -fMet - arg - ser - ser - val - leu - val - gln - glu - arg - leu - val - gln ●  -    -    -    -
   ...-------------------------------------------------------] NC_000913.pncB
```
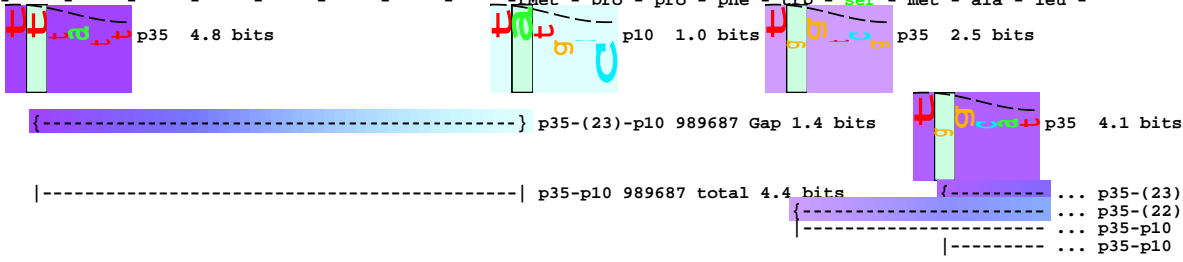
```
        *         *989640    *    *989650    *    *989660    *    *989670    *    *989680    *    *989690    *    *989700    *    *989710
5' c a g g a a c t g g a g t a t a c c t t g t t t c g c a a t t t a t t g a a c c c g a t c a c a c c a t a t g c c a c c t t t c t g g t c g a t g g c a t 3'
 -    -    -    -    -    -    -    - -fMet - phe - arg - asn - leu - leu - asn - pro - asp - his - thr - ile - cys - his - leu - ser - gly - arg - trp - his -
 -    -    -    -    -    -    -    -    -    -    -    -    - -fMet - pro - pro - phe - trp - ser - met - ala - leu -
```

p35 4.8 bits
p10 1.0 bits
p35 2.5 bits
{--} p35-(23)-p10 989687 Gap 1.4 bits
p35 4.1 bits
|--| p35-p10 989687 total 4.4 bits
{--------- ... p35-(23)-p10 989730 Gap
{------------------- ... p35-(22)-p10 989722 Gap
------------------- ... p35-p10 989722 total 4.7
|--------- ... p35-p10 989730 total 6.5

```
        *         *989720    *    *989730    *    *989740    *    *989750    *    *989760    *    *989770    *    *989780    *    *989790
5' t a c g c g g t g t a t g t t a t a a a a a t g t a g c a a t a a a g g c t t t g t a c c t g a a a a g a t g a a g a t t c t g c a t a g c g c g a t t t a c g 3'
 - tyr - ala - val - tyr - val - ile - lys - met ●  -    -    -    - -fMet - tyr - leu - lys - arg ●  -    -    -    -    -    -    -
      -    -    -    - -fMet - leu ●  -    -    -    -    -    -    -    -    -    -    -    -
   - arg - gly - val - cys - tyr - lys - asn - val - ala - ile - lys - ala - phe - val - pro - glu - lys - met - lys - ile - leu - his - ser - ala - ile - lys - ala
```
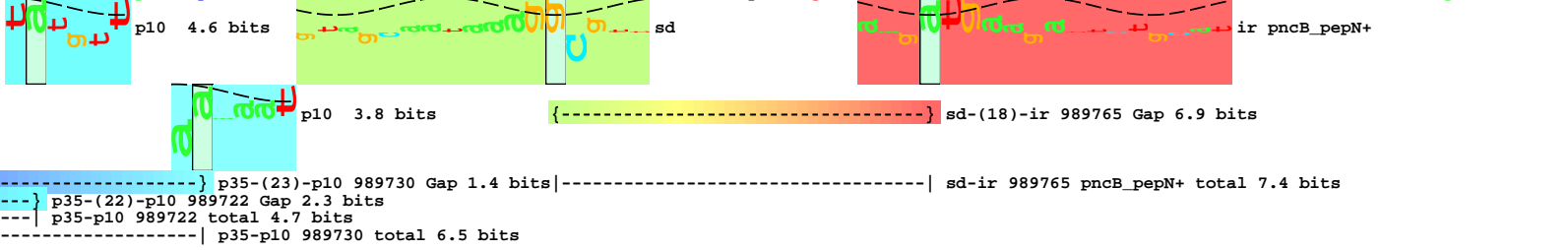
p10 4.6 bits
sd
p10 3.8 bits
{--------------------------------} sd-(18)-ir 989765 Gap 6.9 bits
ir pncB_pepN+
...------------------------------} p35-(23)-p10 989730 Gap 1.4 bits|------------------------------------| sd-ir 989765 pncB_pepN+ total 7.4 bits
...------------------------} p35-(22)-p10 989722 Gap 2.3 bits
...------------------| p35-p10 989722 total 4.7 bits
...------------------| p35-p10 989730 total 6.5 bits

```
        *         *989800    *    *989810    *    *989820    *    *989830    *    *989840    *    *989850    *    *989860
5' c a a c a g g a a t a g a c t g a c a c c a g a c t c t a t a a a a g a t g c t a a g g t t a t t t a t g a c t c a a c a g c c a c a a g c 3'
 -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    - -fMet - leu - lys - val - ile - tyr - asp - ser - thr - ala - thr - ser -
      - thr - gly - ile - asp ●  -    -    -    -    -    -    -    -    -    - -fMet - thr - gln - gln - pro - gln -
```

[###> orf 15 codons
sd [-------------------------------- ... NC_000913.pepN
ir pncB_pepN+
{------------} sd-(7)-ir 989845 Gap 3.7 bits
|------------| sd-ir 989845 pncB_pepN+ total 10.0 bits