

piece 1, NC\_000913, gyrA\_ubiG-, config: linear, direction: -, begin: 2337618, end: 2337423

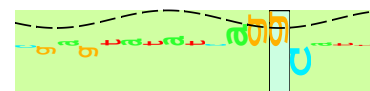
```

*      *2337610 *      *2337600 *      *2337590 *      *2337580 *      *2337570 *      *2337560 *      *2337550 *      *2337540
5' a t g g t t t a c c g g c g a t t t t c g g c a t t c a t t g g c a c t t c t a c t c c g t a a t t g g c a a g a c a a a c g a g t a t a t c a g g c a t t g g 3'
-fMet - val - tyr - arg - arg - phe - phe - gly - ile - his - trp - his - phe - tyr - ser - val - ile - gly - lys - thr - asn - glu - tyr - ile - arg - his - trp -
  - trp - phe - thr - gly - asp - phe - ser - ala - phe - ile - gly - thr - ser - thr - pro - -fMet - ala - arg - gln - thr - ser - ile - ser - gly - ile - gly -
  - gly - leu - pro - ala - ile - phe - arg - his - ser - leu - ala - leu - leu - leu - arg - asn - trp - gln - asp - lys - arg - val - tyr - gln - ala - leu - asp -

```

... -----] NC\_000913.ubiG

... ir



sd

... sd-(9)-ir 2337535 Gap  
 ... sd-ir 2337535 gyrA\_ubiG-

```

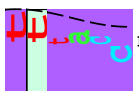
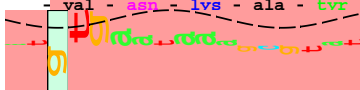
*      *2337530 *      *2337520 *      *2337510 *      *2337500 *      *2337490 *      *2337480 *      *2337470 *      *2337460
5' a t g t g a a t a a a g c g t a t a g g t t t a c c t c a a a a c t g c g c g g c t g t g t t a t a a t t g c g a c c t t t g a a t c c g g g a t a c a g t a g a 3'
-met - cys - glu - val - asn - lys - ala - tyr - arg - phe - thr - ser - asn - cys - ala - ala - val - leu - -fMet - arg - pro - leu - asn - pro - gly - tyr - ser - arg -

```

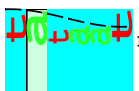
... ir gyrA\_ubiG-

###> orf 16 codons

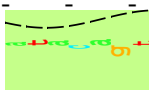
... sd



p35 4.1 bits



p10 8.4 bits



p10 4.4 bits

... ----} sd-(9)-ir 2337535 Gap 2.3 bits

{-----} p35-(25)-p10 2337491 Gap 4.0 bits

... ----| sd-ir 2337535 gyrA\_ubiG- total 7.9 bits

-----} p35 4.2 bits

-----| p35-p10 2337491 total 8.5 bits

-----} p35-(21)-p10 2337464 Gap 3.3 bits  
 -----| p35-p10 2337464 total 5.4 bits

```

*      *2337450 *      *2337440 *      *2337430 *
5' g g g a t a g c g g t t a g a t g a g c g a c c t t g c g a g a g a 3'
-gly - ile - ala - val - arg - -fMet - arg - glu - -fMet
  -fMet - ser - asp - leu - ala - arg -

```

... sd

[------] ... NC\_000913.gyrA



ir gyrA\_ubiG-

-----} sd-(12)-ir 2337442 Gap 4.0 bits

-----| sd-ir 2337442 gyrA\_ubiG- total 6.7 bits