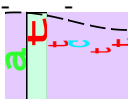


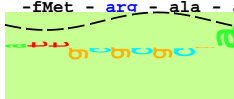
- 1 -

piece 1, NC_000913, gadE_mdtE-, config: linear, direction: -, begin: 3657284, end: 3656897

```
  *3657280 *      *3657270 *      *3657260 *      *3657250 *      *3657240 *      *3657230 *      *3657220 *      *3657210 *
5' c g g t a t t a a c a g c t t t c t t c t t c t t c a t t t a g t c c c t g a a a a t t c t t g a g a a a t a a c g g t c t t t a a a t t g c g c g c g a 3'
  - arg - tyr -
  - gly - ile - asn - ser - phe - leu - leu - leu - phe - ile - leu - val - pro - glu - asn - ser - -fMet - arg - asn - asn - gly - ser - leu - asn - cys - ala - arg -
  - val - leu - thr - ala - phe - phe - phe - phe - cys - ser - phe - - - - - - - - - - -fMet - arg - ala - arg -
```

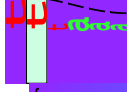


p35 1.4 bits



p10 5.7 bits

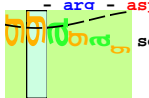
p35-(23)-p10 3657216 Gap 1.4 bits
p35-p10 3657216 total 5.7 bits



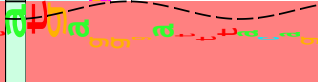
p35 5.6 bits

p35-(23)-p10 3657195 Gap
p35-p10 3657195 total 5.5

```
  *3657200 *      *3657190 *      *3657180 *      *3657170 *      *3657160 *      *3657150 *      *3657140 *      *3657130 *
5' g g a g a g a t a t g a g g g a t t t a c a g a c c a g c g g c a t a g t g g g g t t g t c a g c c a g t a a g g t a a g g a t a c a g g c a c a g t g a t c g a c 3'
  - gly - glu - ile -
  - arg - asp - met - arg - asp - leu - gln - thr - ser - gly - ile - val - gly - leu - ser - ala - ser - lys - val - gly - tyr - arg - his - ser - asp - arg - his -
```



p10 1.4 bits

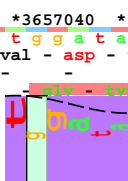


ir gadE_mdtE-

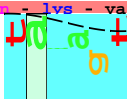
sd-(7)-ir 3657195 Gap 3.7 bits
sd-ir 3657195 gadE_mdtE- total 8.8 bits

p35-(23)-p10 3657195 Gap 1.4 bits
p35-p10 3657195 total 5.5 bits

```
  *3657120 *      *3657110 *      *3657100 *      *3657090 *      *3657080 *      *3657070 *      *3657060 *      *3657050 *
5' a t g g t g a g g t c a a c g a c a a a a a a a a a a t g t t g c c g t t t g c c a a c a g t t c c t g c c a g c a t t c g g g c a a c g a a g g g t t c t a c t g 3'
  - met - val - arg - ser - thr - thr - lys - lys - met - leu - pro - phe - cys - gln - phe - leu - pro - ala - phe - gly - gln - arg - arg - val - leu - leu -
  - gly - glu - val - asn - asp - lys - lys - asn - val - ala - val - leu - pro - thr - val - pro - ala - ser - ile - arg - ala - thr - lys - gly - ser - thr - gly -
```



p35 3.5 bits



p10 5.1 bits

p35-(21)-p10 3657018 Gap 3.3 bits
p35-p10 3657018 total 5.3 bits

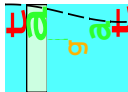
```
  *3656960 *      *3656950 *      *3656940 *      *3656930 *      *3656920 *      *3656910 *      *3656900 *
5' t c c c t c g t c a t g c c a g c c a t c a a t t t c a g t t g c t t a t g t c c t g a c t a a a a a t a a g a t g t g a t a c 3'
  - ser - leu - val - met - pro - ala - ile - asn - phe - ser - cys - leu - cys - pro - asp - -fMet - ile -
  - pro - arg - his - ala - ser - his - gln - phe - gln - leu - leu - met - ser - -fMet - -
```



p35 4.3 bits

<----- NC_000913.gadE

orf 93 codons



p10 5.7 bits

