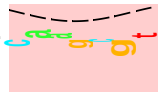
piece 1, NC_000913, ygbA_mutS-, config: linear, direction: -, begin: 2855144, end: 2854809
*2855140 *2855130 *2855120 *2855110 *2855100 *2855090 *2855080 *2855070 *
5′ a t g g c g t c g a a a t t t t c t a t t g c a c t c a t g g g g t t a t g t c c g g t t c c c t g a t a t t a a a t g g g g t g t g a t g g t t t t t a t t t 3′
-fMet - gly - val - glu - ile - phe - tyr - cys - thr - his - gly - val - met - ser - gly - ser - leu - ile - leu - asn - gly - val -
- trp - ala - ser - lys - phe - ser - ile - ala - leu - met - gly - leu - cys - pro - val - pro - -fMet - gly - cys - asp - gly - phe - tyr - phe -
- gly - arg - arg - asn - phe - leu - leu - his - ser - trp - gly - tyr - val - arg - phe - pro - asp - ile - lys - trp - gly - val - met - val - phe - ile - phe -
... ----------] NC_000913.mutS
... ir
sd
... p10
{---------} sd-(5)-ir 2855076 Gap 5.4 bits
|---------| sd-ir 2855076 ygbA_mutS- total 7.0 bits
p35 2.5 bits
{----------} p35-(23)-p10 2855067 Gap 1.4
|----------| p35-p10 2855067 total 6.2 bit
*2855060 *2855050 *2855040 *2855030 *2855020 *2855010 *2855000 *2854990 *
5′ t c g t t g t a a t c a c a t a a g g c g c a c a t g a t a c c g g a g t t a a t c a t t t c a g g g g a a g a a g c g a a c g g c g a g t t c t t g a t g c t g 3′
- -fMet - -fMet - ile - pro - glu - leu - ile - ile - ser - gly - glu - glu - ala - asn - gly - glu - phe - leu - met - leu -
- arg - cys - asn - his - ile - arg - arg - thr - -
- val - val - ile - thr -
...ir ygbA_mutS- [###> orf 10 codons
... p10 5.2 bits
ir ygbA_mutS-
sd
{----------} sd-(6)-ir 2855039 Gap 4.3 bits
|----------| sd-ir 2855039 ygbA_mutS- total 7.1 bits
*2854980 *2854970 *2854960 *2854950 *2854940 *2854930 *2854920 *2854910 *
5′ g t t c c g g g a a a g a t g c t g t t t t g c a g c t t t t g c g t g a t g c t t a t g a a g c a a g t a c g c a a a a t t g t a t c g g t t g g c t a a c c c 3′
- val - pro - gly - lys - met - leu - phe - cys - ser - phe - cys - val - met - leu - met - lys - gln - val - arg - lys - ile - val - ser - val - gly -
-fMet - tyr - arg - leu - ala - asn - pro -
-fMet - gln - leu - leu - arg - asp - ala - tyr - glu - ala - ser - thr - gln - asn - cys - ile - gly - trp - leu - thr - leu -
[###> orf 45 codons
*2854900 *2854890 *2854880 *2854870 *2854860 *2854850 *2854840 *2854830 *
5′ t t c t t c t t t g g a g t c a t a g t g c c c t t t a a g a t t a a g a t g t a a t a t a a a t a c a t c t t a a t g a g g t g g a g g c a g c a t g t c c g g 3′
-fMet - pro - phe - lys - ile - lys - met - -fMet - arg - trp - arg - gln - his - val - arg -
- ser - ser - leu - glu - ser -
- leu - leu - trp - ser - his - ser - ala - leu -
-fMet - ser - gly -
-fMet - glu - ala - ala - cys - pro - ala -
p35 2.6 bits
p10 5.7 bits
sd
[---------- ... NC_000913.ygbA
{----------} p35-(24)-p10 2854868 Gap 2.4 bits
... ir
|----------| p35-p10 2854868 total 5.9 bits
{----------} sd-(11)-ir 2854828 Gap 3.0 bits
|----------| sd-ir 2854828 ygbA_mutS- total 7.5 bi
*2854820 *2854810
5′ c a a g c g t a t c t c 3′
- gln - ala - tyr - leu -
- lys - arg - ile -
- ser - val - ser -
... ---------- ... NC_000913.ygbA

...  ir ygbA_mutS-