

piece 1, NC_000913, rseX_yedS-, config: linear, direction: -, begin: 2032104, end: 2031744

5' ^{*2032100 *} g a c c a g c a t t g c c a g a a c t t t t c t t t t c a t t a t g t a t t c c c t t g t g a t t a t a a t c t t c a t g a a t a t a t c a a t a a g t g c c g t 3'

- asp - gln - his - cys - gln - asn - phe - ser - phe - his - tyr - val - phe - pro - cys - asp - tyr - asn - leu - his - glu - tyr - ile - asn - lys - cys - arg -

- thr - ser - ile - ala - arg - thr - phe - leu - phe - ile - met - tyr - ser - leu - val - ile - ile - ile - phe - met - asn - ile - ser - ile - ser - ala - val -

- pro - ala - leu - pro - glu - leu - phe - phe - ser - leu - cys - ile - pro - leu -



{-----} p35-(26)-p10 2032069 Gap 3.7 bits
 {-----} p35-p10 2032069 total 4.0 bits



{-----} p35-(22)-p10 2032058 Gap 2.3 bits
 {-----} p35-p10 2032058 total 5.3 bits



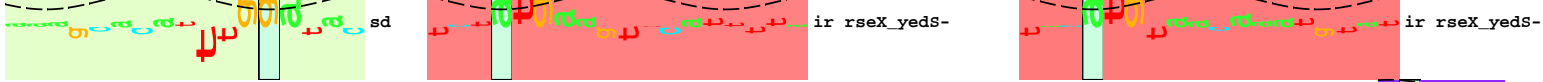
{-----} p35-(24)-p10 2032055 Gap 2.4 bits
 {-----} p35-p10 2032055 total 11.3 bits
 {-----} p35-(26)-p10 2032053 Gap 3.7 bits
 {-----} p35-p10 2032053 total 6.8 bits

5' ^{*2032020 *} t a t c c a a a a a a a a g c a c a t t t g g a t a c t a t t c t a t g a a g t t c a t t t t a t t t a a g g a t t a c a t g t a a c a a a t g t a t t t a a a 3'

- tyr - pro - lys - lys - ser - thr - phe - gly - tyr - tyr - ser - met - lys - phe - ile - leu - phe -

- ile - gln - lys - lys - lys - ala - his - leu - asp - thr - ile - leu -

- ser - lys - lys - lys - lvs - his - ile - trp - ile - leu - phe - tyr - glu - val - his - phe - ile - leu - arg - ile - thr - cys - asn - lvs - cys - ile -

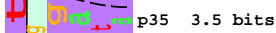


{-----} p35 1.1 bits {-----} sd-(11)-ir 2031990 Gap 3.0 bits [###] orf 7 codons [###] orf 2 codons p35 5.6 bits

{-----} sd-ir 2031990 rseX yedS- total 6.6 bits {-----} sd-(6)-ir 2031962 Gap 4.3 bits



{-----} p35-(24)-p10 2031998 Gap 2.4 bits {-----} sd-ir 2031962 rseX yedS- total 13.1 bits
 {-----} p35-p10 2031998 total 4.3 bits {-----} sd-(15)-ir 2031953 Gap 6.0 bits



{-----} sd-ir 2031953 rseX_yedS- total 11.0 bits



{-----} p35-(23)-p10 2031979 Gap 1.4 bits {-----} p35-(23)-p10 2031924 Gap
 {-----} p35-p10 2031979 total 5.2 bits {-----} p35-p10 2031924 total 9.3



{-----} p35-(26)-p10 2031976 Gap 3.7 bits
 {-----} p35-p10 2031976 total 5.0 bits

5' ^{*2031940 *} a g a t a t c a a a a t g t t t c t a a t c t a t t t a a t a t a a t t c a t a a t t a t g a a t t c t a a a t a t a a a t a t t c a t g a a a a t t a a a t 3'

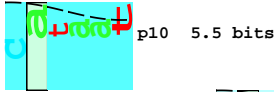
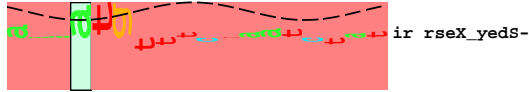
- asp - ile - lys - met - phe - leu - ile - tyr - leu - ile -

- fMet - asn - ser - lys - tyr - lys - tyr - ser -

- fMet - lys - ile - ile - asn -

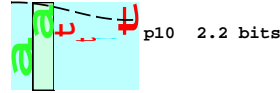
- fMet -

{-----} sd-(9)-ir 2031932 Gap 2.3 bits [###] orf 15 codons sd ... ir



{-----} sd-(11)-ir 2031863 Gap 3.0 bits

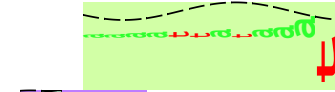
|-----| sd-ir 2031932 rseX_yedS- total 10.4 bits



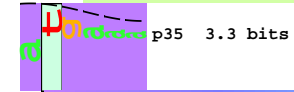
|-----| sd-ir 2031863 rseX_yedS- total 1



... ir rseX_yedS- p10 5.2 bits

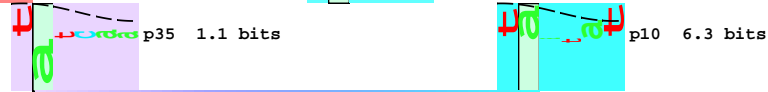


... sd

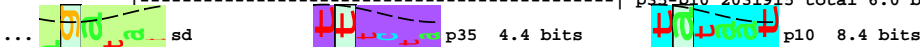


p35 3.3 bits

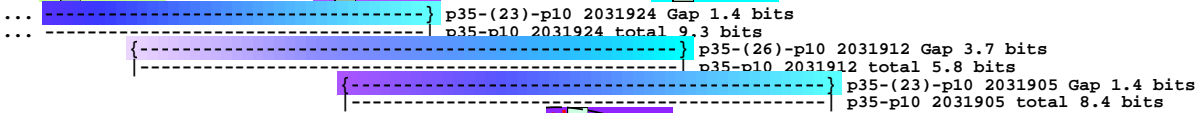
{-----} ... p35-(24)-p10 2031851 Gap
... p35-p10 2031851 total 5.5



p35 1.1 bits p10 6.3 bits



... sd p35 4.4 bits p10 8.4 bits



... p35-(23)-p10 2031915 Gap 1.4 bits
p35-p10 2031915 total 6.0 bits
p35-(23)-p10 2031924 Gap 1.4 bits
p35-p10 2031924 total 9.3 bits
p35-(26)-p10 2031912 Gap 3.7 bits
p35-p10 2031912 total 5.8 bits
p35-(23)-p10 2031905 Gap 1.4 bits
p35-p10 2031905 total 8.4 bits

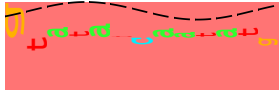


p35 5.7 bits

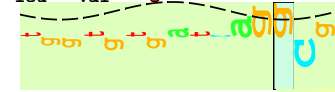


p35-(22)-p10 2031895 Gap 2.3 bits
p35-p10 2031895 total 5.5 bits

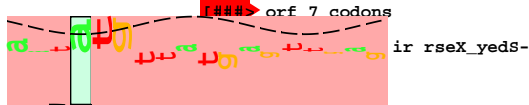
*2031860 * *2031850 * *2031840 * *2031830 * *2031820 * *2031810 * *2031800 * *2031790 *
5' g t a t a t c a a t a t g t t a t g a g t t g a g c g g a a a c a t a g g g g g t a t c a a t g a t t g t t g c g c c a a a c g g c t g g t g t g a t c a g g c g 3'
- val - tyr - gln - tyr - val - met - ser - - - -fMet - ile - val - ala - pro - asn - gly - trp - cys - asp - gln - ala -
- tyr - ile - met - leu - - - -fMet - leu - arg - gln - thr - ala - gly - val - ile - arg - arg -



... ir rseX_yedS-

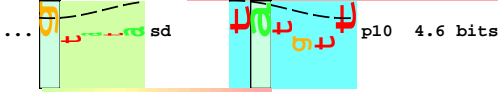


... sd



###> orf 7 codons
ir rseX_yedS-

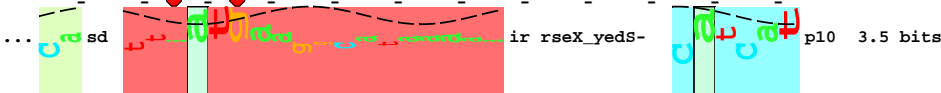
{-----} ... sd-(10)-ir 2031773 Gap
|-----} ... sd-ir 2031773 rseX_yedS-



... sd p10 4.6 bits

{-----} sd-(10)-ir 2031851 Gap 2.7 bits
p35-(24)-p10 2031851 Gap 2.4 bits
p35-p10 2031851 total 5.5 bits
|-----} sd-ir 2031851 rseX_yedS- total 6.5 bits

*2031780 * *2031770 * *2031760 * *2031750 *
5' c a c a t t a a t g a a g g c a t a a a a a a a a a g c c g g c a t c a t g 3'
- his - ile - asn - glu - gly - ile - lys - lys - ser - arg - his - his -
- thr - leu - met - lys - ala - - - -fMet -



... sd ir rseX_yedS- p10 3.5 bits

{-----} sd-(10)-ir 2031773 Gap 2.7 bits
|-----} sd-ir 2031773 rseX_yedS- total 8.4 bits

