

piece 1, NC_000913, ppiA_tsgA-, config: linear, direction: -, begin: 3490619, end: 3490300

5' ^{*} ^{*3490610 *} ^{*3490600 *} ^{*3490590 *} ^{*3490580 *} ^{*3490570 *} ^{*3490560 *} ^{*3490550 *} ^{*3490540 *}

- cys - glu - leu - asp - ala - ile - ala - val - ser - his - asp - trp - pro - ala - phe - lys - asn - lys - met - ala - -fMet - pro - arg - ala -

- val - ser - leu - met - arg - leu - leu - leu - val - met - ile - gly - leu - arg - ser - lys - ile - lys - trp - his - ser - gly - ile - cys - arg - glu - arg -

NC_000913.tsgA p10 7.6 bits

p35 2.6 bits

p35-(22)-p10 3490568 Gap 2.3 bits
p35-p10 3490568 total 7.9 bits

5' ^{*} ^{*3490530 *} ^{*3490520 *} ^{*3490510 *} ^{*3490500 *} ^{*3490490 *} ^{*3490480 *} ^{*3490470 *} ^{*3490460 *}

- gly - asp - phe - arg - -fMet - ile - leu -

- ala - ile - leu - gly - asp - phe - val - ile - cys - leu - asn - val - leu - leu - gln - ser - val - ala - lys - leu - his - phe - lys - arg - -fMet - ile - leu -

- -fMet - ile - leu - -fMet - phe - tyr - cys - asn - arg - leu - leu - asn - cys - ile - leu - arg - gly - asp - phe - asp -

p35 3.8 bits

p10 3.7 bits

p10 5.7 bits

ir

p35-(23)-p10 3490509 Gap 1.4 bits

p35-p10 3490509 total 6.0 bits

p35 1.7 bits

sd-(6)-ir 3490460 Gap 4.3 bits

sd-ir 3490460 ppiA_tsgA- total 5.6

p35-(22)-p10 3490483 Gap 2.3 bits

p35-p10 3490483 total 5.1 bits

p35 6.1 bits

p10 2.3 bits

p35-(21)-p10 3490476 Gap 3.3 bits
p35-p10 3490476 total 5.1 bits

5' ^{*} ^{*3490450 *} ^{*3490440 *} ^{*3490430 *} ^{*3490420 *} ^{*3490410 *} ^{*3490400 *} ^{*3490390 *} ^{*3490380 *}

- ile - thr - glu - -fMet - ile - val - arg - leu - his - ile - phe - gln - ile - arg - lys - ile - arg - -fMet - ala - leu - phe - leu - lys -

- his - gly - ile - lys - ser - asp - arg - gln - val - thr - tyr - ile - ser - asp - thr - -fMet - ala - leu - phe - leu - lys -

ir ppiA_tsgA-

orf 15 codons

p35

orf 5 codons

ir ppiA_tsgA-

ir ppiA_tsgA-

sd p35 4.1 bits

sd-(9)-ir 3490442 Gap 2.3 bits

sd-(8)-ir 3490393 Gap 2.4 bits

sd

sd-ir 3490393 ppiA_tsgA- total 5.5 bits

sd-ir 3490442 ppiA_tsgA- total 6.5 bits

p35-(23)-p10 3490368 Gap

