

piece 1, NC_000913, treR_mgtA+, config: linear, direction: +, begin: 4465240, end: 4465667

*4465240 * *4465250 * *4465260 * *4465270 * *4465280 * *4465290 * *4465300 * *4465310 * *4465320

5' g a t a t c t t t g a t g g t c a g c c g a t t t t g c a t c c t g t t g t c c t g t a a c g t g t t g t t a a t t a t t t g a g c c t a a c g t t a c c c g t 3'

- asp - ile - phe - asp - gly - gln - pro - ile - leu - his - pro - val - val - leu - ● - fMet - val - leu - phe - ● - asn - tyr - leu - ● - ser - leu - ● - thr - leu - pro - val - ●

- ile - ser - leu - met - val - ser - arg - phe - cys - ile - leu - leu - ser - cys - asn - val - leu - phe - ● - asn - tyr - leu - ● - ser - leu - ● - thr - leu - pro - val - ●

- tyr - leu - ●

... -----] NC_000913.treR



{-----} ... p35-(23)-p10 4465337 Gap

{-----} p35-(21)-p10 4465296 Gap 3.3 bits |-----} ... p35-p10 4465337 total 4.5

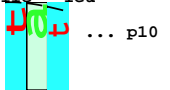
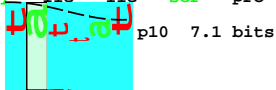
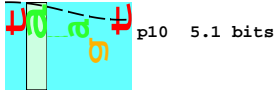
{-----} p35-p10 4465296 total 4.1 bits

*4465330 * *4465340 * *4465350 * *4465360 * *4465370 * *4465380 * *4465390 * *4465400

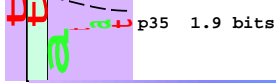
5' g c a t t c a g c a a t g g g t a a a g t c t g g t t a t c g t t g g t g t c a g c a g g t a t t a t a t c g c c a t a g a t g c t a c g a a t a t 3'

- his - ser - ala - met - gly - lys - val - trp - phe - ile - val - gly - leu - val - val - ser - arg - tyr - tyr - ile - ala - ile - asp - ala - thr - asn - ile - ●

- fMet - val - ● - fMet - ser - ala - gly - ile - ile - ser - pro - ● - fMet - leu - arg - ile - leu - ●

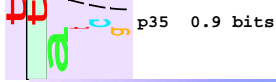


... {-----} p35-(23)-p10 4465337 Gap 1.4 bits



... -----| p35-p10 4465337 total 4.5 bits

{-----} p35-(24)-p10 4465400 Gap 2.4 bit



-----| p35-p10 4465400 total 6.5 bits

{-----} p35-(26)-p10 4465374 Gap 3.7 bits

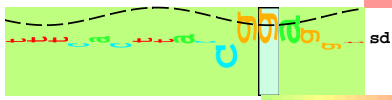
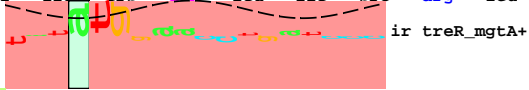
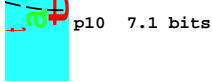
-----| p35-p10 4465374 total 4.2 bits

*4465410 * *4465420 * *4465430 * *4465440 * *4465450 * *4465460 * *4465470 * *4465480

5' t a t t g g a t t c t c c t t a t t a t t t g c g g c g c t t t t t c a c t t a c c g g a g g t t a t a t g g a a c c t g a t c c c a c g c c t c t c c c t c g 3'

- ile - gly - phe - ser - leu - leu - phe - ala - ala - leu - phe - ser - leu - thr - gly - gly - tyr - met - glu - pro - asp - pro - thr - pro - leu - pro - arg - ●

- leu - asp - ser - pro - tyr - tyr - leu - arg - arg - phe - phe - his - leu - pro - glu - val - ile - trp - asn - leu - ile - pro - arg - leu - ser - leu - asp - ●



{-----} sd-(8)-ir 4465454 Gap 2.4 bits

-----| sd-ir 4465454 treR_mgtA+ total 9.8 bits

*4465490 * *4465500 * *4465510 * *4465520 * *4465530 * *4465540 * *4465550 * *4465560

5' a c g g a g a t t a a a c t t t c c g g t a a g c c c g t c t t t t c a c g g c g t t a c c g g a t g c g t a a g g c c g t g a c g t t t t a a c g t c c c t 3'

- arg - arg - leu - lys - leu - phe - arg - ● - fMet - arg - lys - ala - val - thr - phe - ●

- gly - asp - ●

[###] orf 18 codons



{-----} ... p35-(22)-p10 4465574 Gap

-----| ... p35-p10 4465574 total 5.1

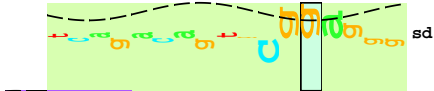
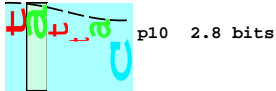


{-----} ... p35-(24)-p10 4465577 Gap

-----| ... p35-p10 4465577 total 4.7

* 4465570 * 4465580 * 4465590 * 4465600 * 4465610 * 4465620 * 4465630 * 4465640
5' g c t c a g c t t t a t t a c c t t c a g g t a a g g c t t c g c c a c g c c t g a a g a c a t t t c t g t a c t g t t t c a g a c a g t g c g g a g g a c t c 3'

-fMet - arg - arg - asp - ser -

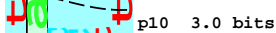


... p35-(22)-p10 4465574 Gap 2.3 bits

... sd-(12)-ir 4465648 Gap

... p35-p10 4465574 total 5.1 bits

... sd-ir 4465648 treR_mgtA+



... p35-(25)-p10 4465648 Gap

... p35-(24)-p10 4465577 Gap 2.4 bits

... p35-p10 4465648 total 4.9

... p35-p10 4465577 total 4.7 bits

* 4465650 * 4465660 *
5' c t t a t g t t t a a a g a a t t t t t a c 3'

-fMet - phe - lys - glu - ile - phe -
- leu - cys - leu - lys - lys - phe - leu -

... NC_000913.mgtA

... sd-(12)-ir 4465648 Gap 4.0 bits
... sd-ir 4465648 treR_mgtA+ total 8.6 bits
... p35-(25)-p10 4465648 Gap 4.0 bits
... p35-p10 4465648 total 4.9 bits



p10 4.6 bits