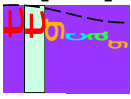


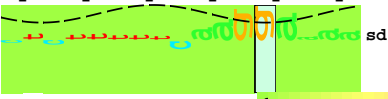
piece 1, NC_000913, metT_asnB+, config: linear, direction: +, begin: 696327, end: 696755

5' *696330 * *696340 * *696350 * *696360 * *696370 * *696380 * *696390 * *696400 *
atgttgctctaaccaactgagctaacgtagccatcttttttttttcggagataacctatcggcgttggcggggcgcattatgctgta 3'
-fMet -cys -ser -asn -gln -leu -ser -tyr -val -ala -ile -phe -phe -phe -ala -ile -pro -tyr -arg -arg -cys -gly -ala -his -tyr -ala -tyr -
-cys -ala -leu -thr -asn -
-val -leu -
-fMet -arg -gly -ala -leu -cys -val -

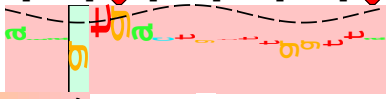
*696410 * *696420 * *696430 * *696440 * *696450 * *696460 * *696470 * *696480 *
agagccttgcagcgctcaaccctctttttcagggaaataatgctcggaaagtgactgttttggttagggttgcggaacagcgttggcgc 3'
-arg -ala -leu -gln -arg -gln -pro -leu -phe -gln -gly -lys -leu -leu -glu -ser -asp -cys -leu -val -arg -thr -ala -trp -arg -
-glu -pro -cys -ser -val -asn -leu -phe -phe -lys -glu -asn -cys -ser -lys -val -thr -val -trp -leu -gly -cys -glu -gln -arg -gly -ala -
-fMet -ala -leu -



p35 5.2 bits



sd



ir metT_asnB+

sd-(15)-ir 696454 Gap 6.0 bits

sd-ir 696454 metT_asnB+ total 6.8 bits

p10 3.6 bits

p10 2.8 bits

p35-(25)-p10 696440 Gap 4.0 bits

p35 2.6 bits

p35-p10 696440 total 4.7 bits

p35 3.8 bits

... p35-(26)-p10 696490 Gap

... p35-p10 696490 total 5.4

p35-(23)-p10 696468 Gap 1.4 bits

p35-p10 696468 total 5.1 bits

*696490 * *696500 * *696510 * *696520 * *696530 * *696540 * *696550 * *696560 *
tataatcgtcaattattgttcttttcttctgcttttctcaccctacagccattcttttggctatacagagatgaaattcgggaat 3'
-tyr -ile -arg -gln -leu -leu -phe -thr -leu -cys -phe -phe -pro -tyr -ser -his -ser -phe -val -ile -gln -asp -glu -ile -arg -asn -
-ile -phe -val -asn -tyr -cys -leu -leu -cys -val -phe -ser -his -pro -thr -ala -ile -leu -leu -ser -tyr -arg -met -lys -phe -gly -ile -
-tyr -ser -ser -ile -ile -val -tyr -phe -phe -pro -thr -leu -gln -pro -phe -phe -cys -his -thr -gly -
-p35

p10 6.5 bits

p35 3.8 bits

p10 3.1 bits

p35-(24)-p10 696538 Gap 2.4 bits

p35-p10 696538 total 4.5 bits

... p35-(26)-p10 696490 Gap 3.7 bits

... p35-p10 696490 total 5.4 bits

*696570 * *696580 * *696590 * *696600 * *696610 * *696620 * *696630 * *696640 * *696650 *
ttaaacaatagtggtggggaaattaaactctatgaaaatactggcctacagtgatgaggttggcgaacagtgatgtggcgaacccgg 3'
-leu -thr -ile -val -val -gly -asn -
-fMet -lys -tyr -trp -pro -thr -val -met -ser -cys -gln -thr -val -met -trp -gln -thr -arg -
-fMet -ser -asn -ser -asp -val -ala -asn -pro -glu -

p35 4.1 bits

ir metT_asnB+

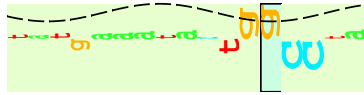
or 40 codons

sd-(11)-ir 696597 Gap 3.0 bits

ir metT_asnB+



sd



sd

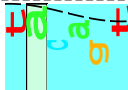
sd-ir 696597 metT_asnB+ total 5.5 bits

p10 5.2 bits

sd-(10)-ir 696618 Gap 2.7 bits

|-----| p35-p10 696592 total 7.0 bits |-----| sd-ir 696618 metT_asnB+ total 5.4 bits

{-----} p35-(22)-p10 696592 Gap 2.3 bits p10 4.4 bits



p35 2.6 bits

{-----} p35-(22)-p10 696612 Gap 2.3 bits
|-----| p35-p10 696612 total 4.7 bits

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

- a s n - i l e - s e r - l e u - l e u - h i s - i l e - a r g - i l e - a s n - l y s - h i s - l e u - a s n - a s n - - - - -

- h i s - p h e - l e u - t h r - a l a - t y r - g l n - a s n - g l n - g l n - a l a - p r o - g l n - [###] orf 34 codons

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

<----- ... NC_000913.asnB