

piece 1, NC_000913, trxB_lrp+, config: linear, direction: +, begin: 931244, end: 931837

* 931250 * 931260 * 931270 * 931280 * 931290 * 931300 * 931310 * 931320 *

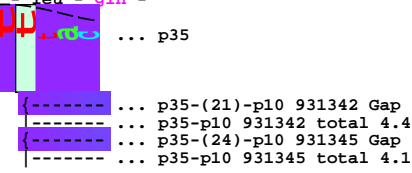
5' a a g c a g t t t a c t g t g t t t g g t c g t g c c c a t g a g a t c c c c a t a g t t g t t g g c a g a c a a t g g g c a g g a t t g t a g g g a a t t t a c 3'

- lys - gln - phe - thr - val - phe - gly - arg - ala - his - glu - ile - pro - ile - val - val - gly - arg - gln - trp - ala - gly - leu - ● - - - - -

- ser - ser - leu - leu - cys - leu - val - val - pro - met - arg - ser - pro - ● - fMet - leu - ala - asp - asn - gly - gln - asp - cys - arg - glu - phe - thr -

- ala - val - tyr - cys - val - trp - ser - cys - pro - ● - - fMet - gly - arg - ile - val - gly - asn - leu - gln -

...] NC_000913.trxB



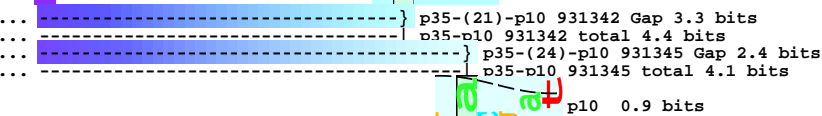
* 931330 * 931340 * 931350 * 931360 * 931370 * 931380 * 931390 * 931400 *

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

- asp - val - lys - lys - glu - tyr - asp - asp - phe - val - asn - asn - leu - cys - asn - arg - gln - his - arg - ● - - - - -

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

... p35 5.5 bits p10 2.2 bits p10 1.6 bits



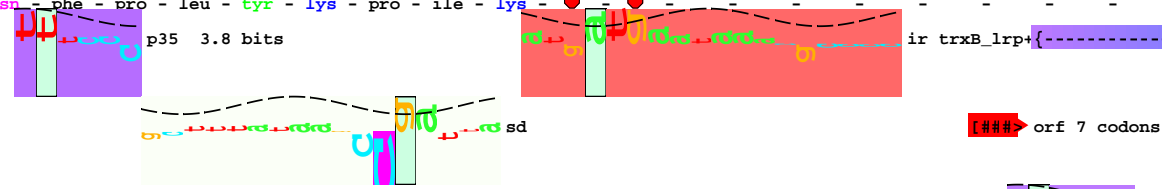
* 931410 * 931420 * 931430 * 931440 * 931450 * 931460 * 931470 * 931480 *

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

- ile - ile - thr - ser - ala - thr - ● - - - - -

- tyr - his - leu - cys - tyr - leu - asn - phe - pro - leu - tyr - lys - pro - ile - lys - ● - met - asn - lys - arg - pro - cys - ● - fMet - asn - ile - trp -

... p35 3.8 bits ir trxB_lrp+ ... p35-(23)-p10 931499 Gap



{ } sd-(9)-ir 931455 Gap 2.3 bits p35 3.5 bits

| } sd-ir 931455 trxB_lrp+ total 6.4 bits | } ... p35-p10 931499 total 5.8

* 931490 * 931500 * 931510 * 931520 * 931530 * 931540 * 931550 * 931560 *

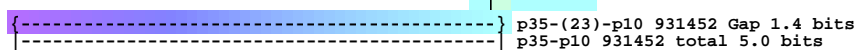
5' c a t g t t g t a c t a a a a a t c g a t g t t t t g c a a a t c c c c t g g t g t t t g c g a a a a c a t t c g a g g a a g a a a a a a c a g t 3'

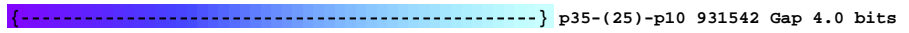
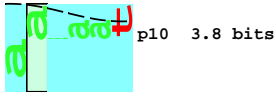
- his - val - val - leu - lys - ile - asp - val - leu - leu - ● - - - - -

- fMet - leu - tyr - ● - - fMet - phe - cys - phe - asp - asn - pro - leu - val - phe - cys - glu - asn - ile - arg - gly - arg - lys - lys - lys - asn - ser -

- fMet - thr - ile - pro - trp - cys - phe - ala - lys - thr - phe - glu - glu - lys - lys - gln - tyr -

... p35-(23)-p10 931499 Gap 1.4 bits p35 6.4 bits p10 1.8 bits





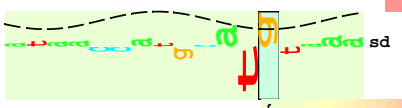
... -----| p35-p10 931499 total 5.8 bits

|-----| p35-p10 931542 total 4.2 bits

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*931570 *          *931580 *          *931590 *          *931600 *          *931610 *          *931620 *          *931630 *          *931640 *
5' a t t c t t a t a t g c g c a t a a c c a t g c a t g t a a a t a c c a t g t t t a c c g t g c t a g t g a a a t c t a c g t a t g g c g t g g a c a g a c g c c 3'
- ile - leu - ile - cys - ala - - - -fMet - - - - -fMet - ala - trp - thr - asp - ala -
- phe - leu - tyr - ala - his - asn - his - ala - cys - lys - tyr - his - val - tyr - arg - ala - ser - glu - ile - tyr - val - trp - arg - gly - gln - thr - pro -
- ser - tyr - met - arg - ile - thr - met - his - val - asn - thr - met - phe - thr - val - leu - val - lys - ser - thr - tyr - gly - val - asp - arg - arg - his -

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sd-(9)-ir 931603 Gap 2.3 bits
sd-ir 931603 trxB_lrp+ total 5.8 bits

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*931650 *          *931660 *          *931670 *          *931680 *          *931690 *          *931700 *          *931710 *          *931720 *
5' a t t c g t g a t g t c g a t a g c t g c c a c a a g g c a a c g g t c t t c t c a c c g t a g a c c c a g g c a t t g c g c c g t g a a t c t t c a t g a t 3'
- ile - arg - asp - val - asp - ser - cys - his - lys - ala - thr - val - phe - ser - pro - - - -fMet - arg - ala - val - asn - leu - his - asp -
- phe - val - met - ser - ile - ala - ala - thr - arg - gln - arg - ser - ser - his - arg - arg - pro - arg - his - cys - ala - pro - - - -fMet - ile -
- ser - - - -

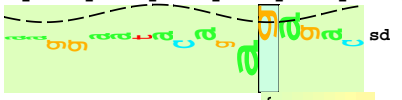
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orf 18 codons

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*931730 *          *931740 *          *931750 *          *931760 *          *931770 *          *931780 *          *931790 *          *931800 *          *931810
5' t t c g g t c t a t c g t g a c g g g t a g c g a c t c t t g a a c a g t g a t g t t t c a g g g t c a g a c a g g a g t a g g g a a g g a a t a c a g a g a g a c 3'
- phe - gly - leu - ser - - - -fMet - met - phe - gln - gly - gln - thr - gly - val - gly - lys - glu - tyr - arg - glu - thr -
- ser - val - tyr - - - -fMet - thr - gly - ser - asp - ser - glu - gln - - - -

```



... sd-(12)-ir 931818 Gap
... sd-ir 931818 trxB_lrp+ to

```

*931820 *          *931830 *
5' a a t a a t a a t g g t a g a t a g c a a g a a g c g 3'
- ile - ile - met - val - asp - ser - lys - lys -

```

... NC_000913.lrp

sd-(12)-ir 931818 Gap 4.0 bits
sd-ir 931818 trxB_lrp+ total 6.6 bits

