

piece 1, NC_000913, yjiC_yjiD-, config: linear, direction: -, begin: 4555045, end: 4554324

*4555040 *4555030 *4555020 *4555010 *4555000 *4554990 *4554980 *4554970 *

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

- lys - thr - ala - - -fMet - ser - his - his - phe - ala - his - ser - - - -fMet - arg - thr - pro - asp - val - - - -fMet - arg - leu - ala - leu - asn - thr - gly -

- lys - gln - pro - glu - val - ile - val - ala - ser - phe - cys - ala - leu - leu - thr - phe - ser - asn - ile - cys - gly - leu - pro - - -

-----] NC_000913.yjiD

*4554960 *4554950 *4554940 *4554930 *4554920 *4554910 *4554900 *4554890 *

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

- his - his - cys - ile - asp - ala - his - phe - pro - - - his - ser - his - ser - leu - leu - phe - ile - thr - ser - met - ser - val - - - - -

- - - -fMet - met - leu - ile - phe - his -

-----] p35 5.2 bits p10 1.2 bits

{-----} p35-(22)-p10 4554919 Gap 2.3 bits

{-----} p35-p10 4554919 total 4.0 bits

*4554880 *4554870 *4554860 *4554850 *4554840 *4554830 *4554820 *4554810 *

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

- - - -fMet - pro - met - asn - ile - tyr - - - -fMet - ile - - - -fMet - ile - lys - ile - - -

-----] ir yjiC_yjiD-



{-----} sd-(10)-ir 4554818 Gap 2.7 bits

{-----} sd-ir 4554818 yjiC_yjiD- total 13.1 bits

... ir

{-----} sd-(15)-ir 4554813 Gap 6.0 bits

{-----} sd-ir 4554813 yjiC_yjiD- total 7.3 bits

p10 3.8 bits

{-----} p35-(26)-p10 4554807 Gap 3.7 bits

{-----} p35-p10 4554807 total 4.4 bits

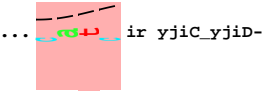
*4554800 *4554790 *4554780 *4554770 *4554760 *4554750 *4554740 *4554730 *

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

- ile - lys - leu - lys - lys - lys - pro - leu - val - tyr - ser - glu - tyr - ser - glu - - - -fMet - lys - ile - leu - val - thr - ala - ala -

- - - -fMet - ser - pro - leu - leu - - -

-----] orf 20 codons



*4554720 *4554710 *4554700 *4554690 *4554680 *4554670 *4554660 *4554650 *

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

- thr - - - -fMet - tyx - tyx - leu - lys - gln - leu - val - cys - lys - - - -fMet - - - -

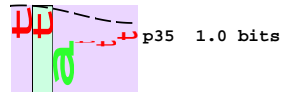
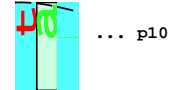
- leu - asn - ser - gly - gly - lys - leu - phe - ile - ser - ala - - - -fMet - tyx - tyx - leu - lys - gln - leu - val - cys - lys - - - -fMet - - - -

- - - -fMet - gly - asn - tyx - leu - phe - pro - his - asn - gln - pro - cys - ile - ile -

-----] p35 4.8 bits p10 7.1 bits p10 4.6 bits

{-----} p35-(24)-p10 4554674 Gap 2.4 bits p10 6.3 bits

-----| p35-p10 4554674 total 9.5 bits



{-----} p35-(23)-p10 4554649 Gap 1.4 bits
p35-p10 4554649 total 4.2 bits



{-----} p35-(21)-p10 4554647 Gap 3.3 bits
p35-p10 4554647 total 9.4 bits

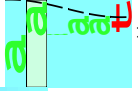
{-----} p35-(26)-p10 4554642 Gap 3.7 bits
p35-p10 4554642 total 8.5 bits

*4554640 * *4554630 * *4554620 * *4554610 * *4554600 * *4554590 * *4554580 * *4554570 * *4554560
5' a t t g a t a a c a t a t c a a a t a c a t c a a a a a t a c c a t t c a c a g g c a t t a t t a a t a t a g a c c t c a a t a t a g c a a c a t c a a a t t c c 3'

-fMet - ile - thr - tyr - gln - ile - his - gln - lys - tyr - his - ser - gln - ala - leu - leu - ile - - - - -



p35 5.6 bits



p10 3.8 bits

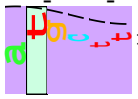
{-----} p35-(22)-p10 4554616 Gap 2.3 bits

... p10 5.7 bits

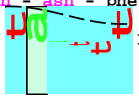
-----| p35-p10 4554616 total 7.1 bits

*4554550 * *4554540 * *4554530 * *4554520 * *4554510 * *4554500 * *4554490 * *4554480
5' a a t t a g t a a t a g a t a t g c t t t t a a a t t g c a t g c a a a t a a t t t t a a a t g a g c g t t t t t g a t a c t t t a g a g t t t c c t a c 3'

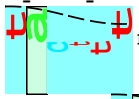
-fMet - leu - leu - asn - cys - met - gln - ile - ile - leu - asn - glu - arg - phe - leu - ile - leu - - - - -
-fMet - his - ala - asn - asn - phe - lys - -fMet - ser - val - phe - -fMet - phe - pro - thr - -



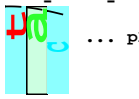
p35 2.2 bits



p10 4.4 bits

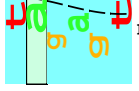


p10 3.8 bits



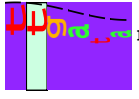
... p10

{-----} p35-(22)-p10 4554521 Gap 2.3 bits

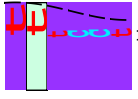


p10 4.1 bits

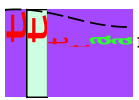
-----| p35-p10 4554521 total 4.3 bits



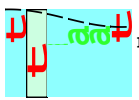
p35 5.6 bits



p35 5.3 bits



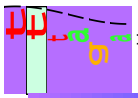
p35 4.7 bits



p10 3.7 bits

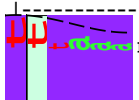
{-----} p35-(21)-p10 4554480 Gap 3.3 bits

{-----} p35-(23)-p10 4554516 Gap 1.4 bits

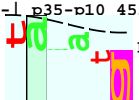


p35 3.7 bits

-----| p35-p10 4554516 total 6.9 bits



p35 5.6 bits



p10 0.7 bits

{-----} ... p35-(21)-p10 4554473 Gap

{-----} p35-(23)-p10 4554515 Gap 1.4 bits
p35-p10 4554515 total 4.8 bits

-----| p35-p10 4554480 total 6.1 bits
{-----} ... p35-(25)-p10 4554460 Gap

