piece 1, NC_000913, thrC_yaaX+, config: linear, direction: +, begin: 4991, end: 5253

```
            *       *5000     *        *5010     *        *5020     *        *5030     *        *5040     *        *5050     *        *5060     *        *5070
5' t t g c g t a a t t g a t g a t g a a t c a t c a g t a a a a t c t a t t c a t t a t c t c a a t c a g g c c g g g t t t g c t t t t a t g c a g c c g g c t 3'
   - leu - arg - lys - leu - met - met - asn - his - gln -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   - fMet - leu - leu - cys - ser - pro - ala -
   - cys - val - asn -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   - fMet - gln - pro - gly - phe -
   - ala -   - asn -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
```

p35 3.5 bits   p10 4.2 bits   ... sd

{--} p35-(23)-p10 5030 Gap 1.4 bits   p35 5.3 bits   {----- ... sd-(8)-ir 5077 Gap

|-------------------------------------| p35-p10 5030 total 6.2 bits |----- ... sd-ir 5077 thrC_yaaX+ tot

... sd

{--------------------------------} ... p35-(22)-p10 5074 Gap
{--------------------------------} ... p35-p10 5074 total 6.2
... p35

```
            *       *5080     *        *5090     *        *5100     *        *5110     *        *5120     *        *5130     *        *5140     *        *5150
5' t t t t t a t g a a g a a a t t a t g g a g a a a a a t g a c a g g g a a a a a g g a g a a a t t c t c a a t a a a t g c g g t a a c t t a g a g a t t a g g a t 3'
   - phe - leu -   -   -   -   -   -   -   - fMet - glu - lys - asn - asp - arg - glu - lys - gly - glu - ile - leu - asn - lys - fMet - arg -   - asn - leu - glu - ile - arg - ile -
   - phe - met - lys - lys - leu - trp - arg - lys - met - phe - gly - lys - lys - glu - lys - phe -   - ile - asn - ala - val - thr -   -   -   -   - fMet -
```

... sd   ir thrC_yaaX+   [###> orf 22 codons

... {--------} sd-(8)-ir 5077 Gap 2.4 bits   ir thrC_yaaX+   ir thrC_yaaX+

... -------| sd-ir 5077 thrC_yaaX+ total 5.2 bits   sd   [###> orf 3 codons

... sd   {--------} sd-(7)-ir 5098 Gap 3.7 bits {------------------------} sd-(16)-ir 5129 Gap 6.4 bits

... ----} p35-(22)-p10 5074 Gap 2.3 bits |-----------| sd-ir 5098 thrC_yaaX+ total 13.3 bits

... ----| p35-p10 5074 total 6.2 bits   p10 3.8 bits |-------------------------| sd-ir 5129 thrC_yaaX+ total 6.8 bits

... p35 3.9 bits

ir thrC_yaaX+

{--------} sd-(6)-ir 5088 Gap 4.3 bits
-------| sd-ir 5088 thrC_yaaX+ total 11.9 bits
sd

p10 3.2 bits

p35-(23)-p10 5095 Gap 1.4 bits
p35-p10 5095 total 6.3 bits

```
         *      *5160      *      *5170      *      *5180      *      *5190      *      *5200      *      *5210      *      *5220      *      *5230
5' t g c g g a g a a t a a c a a c c g c c g t t c t c a t c g a g t a a t c t c c g g a t a t c g a c c c a t a a c g g c a a t g a t a a a a g g a g t a a c c t 3'
       -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -
   ala - glu - asn - asn - asn - arg - arg - ser - his - arg - val - ile - ser - gly - lys - arg - pro - ile - glu - gly - asn - asp - lys - arg - ser - asn - leu -
       - arg - arg - ile - thr - thr - ala - val - leu - ile - glu -     -     -     -     -     -     -     -     -     - fMet - ile - lys - gly - val - thr - cys -
```

... ir

sd

... sd-(9)-ir 5234 Gap
... sd-ir 5234 thrC_yaaX+ tot

```
         *      *5240      *      *5250
5' g t g a a a a a g a t g c a a t c t a t 3'
 - fMet - lys - lys - met - gln - ser -
       - glu - lys - asp - ala - ile - tyr -
```

... ir thrC_yaaX+

... NC_000913.yaaX

... } sd-(9)-ir 5234 Gap 2.3 bits
... | sd-ir 5234 thrC_yaaX+ total 14.4 bits
[###> orf 50 codons