

piece 1, NC\_000913, yhiN\_pitA+, config: linear, direction: +, begin: 3635404, end: 3635684

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* 3635410 * 3635420 * 3635430 * 3635440 * 3635450 * 3635460 * 3635470 * 3635480
5' g c c t a t a a t g g c a t c a a a c c t t t c c a c g t t g c g c t c c t c t t a g a a a a a a c g g g c g t g a a t g t a a a g a t t c c t c a g t g 3'
- ala - tyr - asn - asn - gly - ile - lys - pro - phe - his - val - ala - leu - leu - leu - glu - lys - thr - gly - val - asn - cys - lys - asp - ser - ser - val -
- pro - ile - ile - met - ala - ser - asn - leu - ser - thr - leu - arg - ser - ser -
- leu -

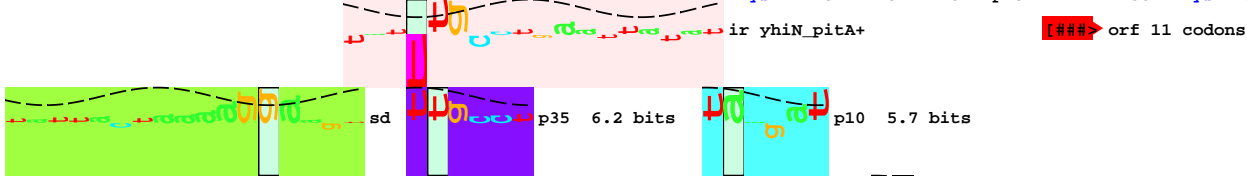
```

NC\_000913.yhiN

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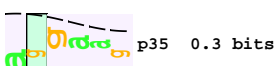
* 3635490 * 3635500 * 3635510 * 3635520 * 3635530 * 3635540 * 3635550 * 3635560 *
5' g t c g c a c c a g c a t c a a t a t t a c t a a a a g g a a g t a t t t g c c t g a a t t a t a t a a g a t a a t t a t t t t t t g a g t g a a a t c c a t a c 3'
- val - ala - pro - ala - ser - ile - leu - leu - lys - gly - ser - ile - cys - leu - asn - tyr - ile - arg -
- val - ala - pro - ala - ser - ile - leu - leu - lys - gly - ser - ile - cys - leu - asn - tyr - ile - arg -
- leu - leu - lys - gly - ser - ile - cys - leu - asn - tyr - ile - arg -

```



{-----} sd-(7)-ir 3635520 Gap 3.7 bits

|-----| sd-ir 3635520 yhiN\_pitA+ total 7.1 bits



{-----} p35-(23)-p10 3635535 Gap 1.4 bits  
 {-----} p35-p10 3635535 total 4.6 bits  
 {-----} p35-(22)-p10 3635543 Gap 2.3 bits  
 {-----} p35-p10 3635543 total 4.4 bits  
 {-----} p35-(23)-p10 3635544 Gap 1.4 bits  
 {-----} p35-p10 3635544 total 9.9 bits

```

* 3635570 * 3635580 * 3635590 * 3635600 * 3635610 * 3635620 * 3635630 * 3635640 *
5' a g g g g g c a a a t c a a a a a a g t c t a t a t t t c a c t t t g c c c g c g c g c g a a a g t c a c t g a t a a t g c g c g c g t t c a t g t c c t c 3'
- gly - gly - lys - ser - lys - lys - val - tyr - ile - ser - leu - cys - pro - arg - arg - glu - ser - his -
- gly - ala - asn - gln - lys - lys - ser - ile - phe - his - phe - ala - arg - ala - lys - val - thr - asp - asn - ala - pro - arg - ser - cys - pro - gln -
- gly - ala - asn - gln - lys - lys - ser - ile - phe - his - phe - ala - arg - ala - lys - val - thr - asp - asn - ala - pro - arg - ser - cys - pro - gln -

```



{-----} p35-(23)-p10 3635623 Gap 1.4 bits {-----} ... p35-(24)-p10 3635665 Gap

|-----| p35-p10 3635623 total 7.5 bits {-----} p35 3.2 bits

|-----| ... p35-p10 3635665 total 6.1

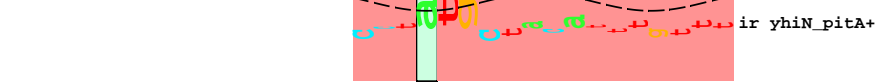
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* 3635650 * 3635660 * 3635670 * 3635680 *
5' a a a a t g g c g t a a c g t c c t a t g g t a c a t t t g t t t g c t g g 3'
- lys - met - ala -
- lys - trp - arg - asn - val - leu - cys - tyr - ile - cys - leu - leu -
- asn - gly - val - thr - ser - tyr - ala - thr - phe - val - cys - trp -

```

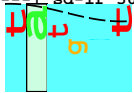
NC\_000913.pitA

{-----} p35-(24)-p10 3635665 Gap 2.4 bits



{-----} p35-p10 3635665 total 6.1 bits {-----} sd-(12)-ir 3635665 Gap 4.0 bits

|-----sd-ir 3635665 yhiN\_pitA+ total 6.6 bits



p10 5.3 bits