piece 1, NC_000913, ydhP_purR+, config: linear, direction: +, begin: 1735285, end: 1735887
*1735290 *1735300 *1735310 *1735320 *1735330 *1735340 *1735350 *1735360
5′ c a g c g c c a g c a a c g g a t a g t t a a t t t c a t g c c t t a t c t c c a c c t c t t c g c g t c a t t a c g c g a t a t t c a t t a a a g t g g c g a 3′
- gln - arg - gln - gln - arg - ile - val - asn - phe - his - ala - leu - ser - pro - pro - leu - arg - val - ile - thr - arg - tyr - ser - leu - lys - trp - arg -
- ser - ala - ser - asn - gly - -fMet - pro - tyr - leu - his - leu - phe - ala - ser - leu - arg - asp - ile - his - -fMet - ala - lys -
- ala - pro - ala - thr - asp - ser -
... ----------] NC_000913.ydhP
... sd
{------- ... sd-(8)-ir 1735370
|------- ... sd-ir 1735370 ydhP
*1735370 *1735380 *1735390 *1735400 *1735410 *1735420 *1735430 *1735440
5′ a a g c a t g a c a g c a a t c a c a a a a a a a t g a a a a t a a c a a a a a g a g a a a a c a c t t t g c c a t t t t g c t a a c a a a c a g g a a g g a g 3′
- lys - his - asp - ser - asn - his - lys - lys - met - lys - ile - thr - lys - arg - glu - asn - thr - phe - ala - ile - leu - leu - thr - asn - arg - lys - glu -
- fMet - thr - ala - ile - thr - lys - lys - -fMet - pro - phe - cys -
- ala -
...sd
p35 3.3 bits
[###> orf 8 codons
... ir
... --------} sd-(8)-ir 1735370 Gap 2.4 bits
p10 3.6 bits
sd
... --------| sd-ir 1735370 ydhP_purR+ total 12.2 bits
{------------ ... sd-(7)-ir 1735447
|------------ ... sd-ir 1735447 ydhP
ir ydhP_purR+
{----------} p35-(22)-p10 1735393 Gap 2.3 bits
|----------| p35-p10 1735393 total 4.5 bits
*1735450 *1735460 *1735470 *1735480 *1735490 *1735500 *1735510 *1735520
5′ a t g c g a g g g a g a a c g c g c t c c c t c g a g a g g a a a t c a g t g c a g c g c g g c a g t c a a a c c c a c g g c t a c g a t c a a a c c g a g g a c 3′
- met - arg - gly - arg - thr - arg - ser - leu - glu - arg - lys - ser - val - gln - arg - gly - ser - gln - thr - his - gly - tyr - asp - gln - thr - glu - asp -
...
ir ydhP_purR+
... } sd-(7)-ir 1735447 Gap 3.7 bits
... | sd-ir 1735447 ydhP_purR+ total 6.6 bits
*1735530 *1735540 *1735550 *1735560 *1735570 *1735580 *1735590 *1735600
5′ g a t a a t c g t t g t t a c c a g t g a a a a t t t a a g g t c g g t g c t c a t c a a g t t t t c t c c t t t t t t a t t a c c a c a c a a a a a g t g a t a 3′
- asp - asn - arg - cys - tyr - gln - -fMet - ile -
- -fMet - leu - ile - lys - phe - ser - pro - phe - leu - leu - pro - his - lys - lys -
- -fMet - leu - pro - val - lys - ile -
[###> orf 34 codons
p10 2.1 bits
... p10
p35 4.7 bits
p35 3.9 bits
... p10
{----------} p35-(22)-p10 1735575 Gap 2.3 bits
|----------| p35-p10 1735575 total 4.4 bits
{---------- p35-(23)-p10 1735606 Gap 1.
|---------- p35-p10 1735606 total 4.9 b
p35 4.8 bits
{---------- p35-(23)-p10 1735608 Ga
|---------- p35-p10 1735608 total 6
*1735610 *1735620 *1735630 *1735640 *1735650 *1735660 *1735670 *1735680
5′ t t a c g c a t t t t t a c a c a c t g t g a a a a a a t c t c c c g t c a t t t a t a a t g a t a a g t g t t t t t a c c a c t t c c c c t t t t c g t c 3′

- leu - arg - ile - phe - thr - his - cys - asp - glu - lys - ile - ser - arg - his - leu - -fMet - phe - leu - pro - leu - pro - leu - phe - val -
-fMet - met - lys - lys - ser - pro - val - ile - tyr - asn - asp - lys - cys - phe - tyr - his - phe - pro - phe - ser - ser -
-fMet - ile - ser - val - phe - thr - thr - ser - pro - phe - arg - gln -
... p10 2.4 bits
p35 3.3 bits
p10 8.4 bits
p35 3.8 bits
... p10
... p10 2.8 bits
{---------- p35-(21)-p10 1735653 Gap 3.3 bits
|---------- p35-p10 1735653 total 8.4 bits
{---------- ... p35-(23)-p10 1
|---------- ... p35-p10 173569
*1735690 *1735700 *1735710 *1735720 *1735730 *1735740 *1735750 *1735760 *1735770
5' a a g a t c g g c c a a a a t t c c a c g c t t a c a c t a t t t g c g t a c t g g c c a t t g a c c c c t t c c t g a c g c t c c g t g t c g t t t t t c c g g 3'
- lys - ile - gly - gln - asn - ser - thr - leu - thr - leu - phe - ala - tyr - trp - pro - leu - thr - pro - ser - -fMet - ser - phe - phe - arg -
- arg - ser - ala - lys - ile - pro - arg - leu - his - tyr - leu - arg - thr - gly - his - asp - pro - phe - leu - thr - leu - arg - val - phe - pro - ala -
- asp - arg - pro - lys - phe - his - ala - tyr - thr - ile - cys - val - leu - ala - ile -
... p10 2.8 bits
... } p35-(23)-p10 1735690 Gap 1.4 bits
... | p35-p10 1735690 total 5.2 bits
*1735780 *1735790 *1735800 *1735810 *1735820 *1735830 *1735840 *1735850
5' c g t a c c g c a a c a c t t t t g t t g t g c g t a a g g t g t g t a a a g g c a a a c g t t t a c c t t g c g a t t t t g c a g g a g c t g a a g t t a g g g 3'
- arg - thr - ala - thr - leu - leu - leu - cys - val - arg - cys - val - lys - ala - asn - val - tyr - leu - ala - ile - leu - gln - glu - leu - lys - leu - gly -
-fMet -fMet - arg - phe - cys - arg - ser -
- tyr - arg - asn - thr - phe - val - val - arg - lys - val - cys - lys - gly - lys - arg - leu - pro - cys - asp - phe - ala - gly - ala - glu - val - arg - val -
... sd
*1735860 *1735870 *1735880 *
5' t c t g g a g t g a a a t g g a a t g g c a a c a a t a a a a g a t g t 3'
- ser - gly - val - lys - trp - asn - gly - asn - asn - lys - arg - cys -
-fMet - ala - thr - ile - lys - asp -
- trp - ser - glu - met - glu - trp - gln - gln - -fMet -
... sd [---------- ... NC_000913.purR
ir ydhP_purR+
[###> orf 6 codons
{----------} sd-(7)-ir 1735863 Gap 3.7 bits
|----------| sd-ir 1735863 ydhP_purR+ total 6.0 bits
ir ydhP_purR+
{----------} sd-(12)-ir 1735868 Gap 4.0 bits
|----------| sd-ir 1735868 ydhP_purR+ total 8.7 bits