

piece 1, NC_000913, lrhA_yfbQ+, config: linear, direction: +, begin: 2404634, end: 2405602

*2404640 * *2404650 * *2404660 * *2404670 * *2404680 * *2404690 * *2404700 * *2404710 *

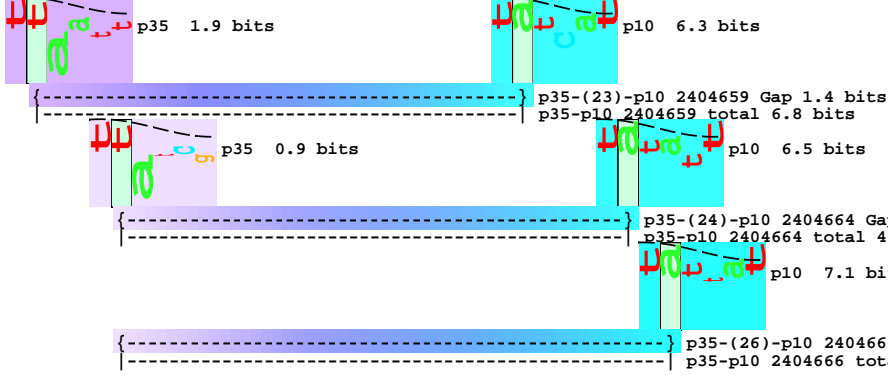
5' g t t a a t t a t c g g a c g a t t t g c a c t t a t c a t a t a t t a t c a c t t a c t g g c g g c t c a t a c t g a g c t g g t t a a t g c t g t g c a c a c 3'

- val - asn - tyr - arg - thr - ile - cys - thr - tyr - his - ile - leu - ser - leu - thr - gly - gly - ser - tyr - fMet - his - met - ser -

- leu - ile - ile - gly - arg - phe - ala - leu - ile - ile - tyr - tyr - his - leu - leu - ala - ala - his - thr - glu - leu - val - asn - ala - val - his - thr -

- fMet - his - leu - ser - tyr - ile - ile - thr - tyr - trp - arg - leu - ile - leu - ser - trp - leu - met - leu - cys - thr - his -

NC_000913.lrhA



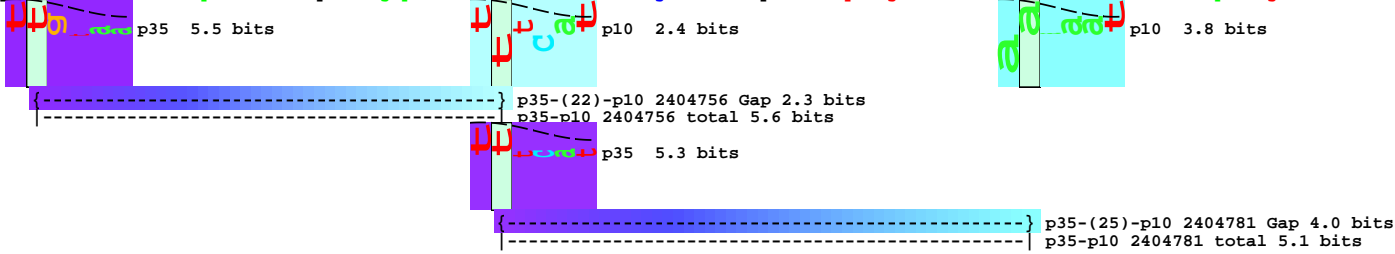
*2404720 * *2404730 * *2404740 * *2404750 * *2404760 * *2404770 * *2404780 * *2404790 *

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

- fMet - fMet - his - met - ser -

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

- lys - gln - ala - ile - pro - phe - val - met - cys - leu - pro - gly - ser - phe - ile - arg - asn - pro - asp - glu - ser - lys - asn - ala - tyr - glu - leu -



*2404800 * *2404810 * *2404820 * *2404830 * *2404840 * *2404850 * *2404860 * *2404870 *

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

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

- his - fMet - phe - arg - tyr - asn - ala - fMet - pro - glu - val - asp - his - arg - ile - tyr - leu - gln - gly - ser - his - ile - tyr -



*2404880 * *2404890 * *2404900 * *2404910 * *2404920 * *2404930 * *2404940 * *2404950 *

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

- fMet - arg - val - phe - val - fMet - fMet - fMet - ser - pro - cys - ser - thr - leu - val -

- fMet - thr - cys - ala - cys - leu - tyr - lys - cys - lys - cys - glu - ser - leu - phe - his - ser - arg - ala -

*2404960 * *2404970 * *2404980 * *2404990 * *2405000 * *2405010 * *2405020 * *2405030 *

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

- gln - his - arg - trp - ser - tyr - ala - asn - thr - tyr - gln - gln - gln - trp - fMet - pro - glu - val - asp - his - arg - ile - tyr - leu - gln - gly - ser - his - ile - tyr -

- ala - ser - leu - val - ile - arg - glu - his - val - pro - thr - ala - met - val - arg - arg - his - gln - glu - gln - gly - ser - val - ile - tyr - pro - ser -

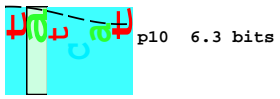
*2405040 * *2405050 * *2405060 * *2405070 * *2405080 * *2405090 * *2405100 * *2405110 *

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

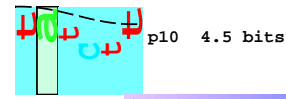
- fMet - arg - ile - ile - fMet - arg - ile - ile - fMet - glu - ser - tyr - val - met - leu - gly - lys - val -

- ile - leu - pro - gln - lys - pro - phe - ile - tyr - lys - gly - his - cys - glu - leu - ser - asp - ala - lys - leu - cys - tyr - val - arg - gln - ser - asn -





sd-(10)-ir 2405317 Gap 2.7 bits



p35-(23)-p10 2405285 Gap 1.4 bits

sd-ir 2405317 lrhA_yfbQ+ total 6.2 bits

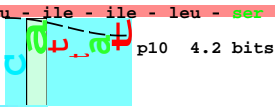
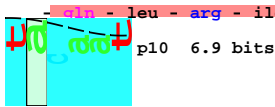
p35-(22)-p10 2405364 Gap

p35-p10 2405364 total 6.0

p35-p10 2405285 total 6.1 bits

p35-(24)-p10 2405338 Gap 2.4 bits
p35-p10 2405338 total 4.8 bits

5' *2405370 *2405380 *2405390 *2405400 *2405410 *2405420 *2405430 *2405440
t a c a a t t a a g a a t c a g a a c a a t t c a c t a t a t a a c a t t g c a t g t a a a g c a t a t a c a c c t c a t t a t t t t g t c a t t a t t a a g t t 3'
-fMet-



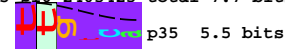
p35-(22)-p10 2405364 Gap 2.3 bits

p35-(23)-p10 2405422 Gap 1.4 bits
p35-p10 2405422 total 8.9 bits

p35-p10 2405364 total 6.0 bits

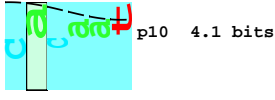
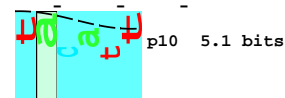
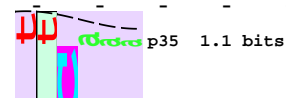


p35-(26)-p10 2405425 Gap 3.7 bits
p35-p10 2405425 total 7.7 bits



5' *2405450 *2405460 *2405470 *2405480 *2405490 *2405500 *2405510 *2405520
a t t a a c a g c a c a a t c g a g c c t t c c c c t c t g g c a a a a t c t t a t t c t g c a g a c c t t c a a a a c a c c g t c c c t g g g g a g t a c a t t 3'
-fMet-

orf 44 codons



p35-(23)-p10 2405520 Gap 1.4 bits

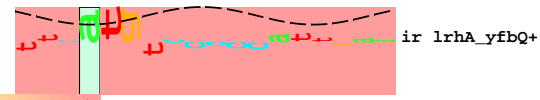
p35-p10 2405520 total 4.7 bits

p35-(24)-p10 2405453 Gap 2.4 bits
p35-p10 2405453 total 7.1 bits

5' *2405530 *2405540 *2405550 *2405560 *2405570 *2405580 *2405590 *2405600
g t t c t a a g c t g a c t t c c a c g g g c a g g g a g t g g c g a t a a c a g c a a a a a a g g t c a a g a t t c a t g t c c c c c a t t g a a a a a t c 3'
-fMet- phe -fMet- ala - ile - thr - ala - lys - lys - val - lys - ile - his - val - pro - his - - -
-fMet- ser - pro - ile - glu - lys - -fMet- lys - asn -



NC_000913.yfbQ



sd-(10)-ir 2405583 Gap 2.7 bits
sd-ir 2405583 lrhA_yfbQ+ total 8.6 bits