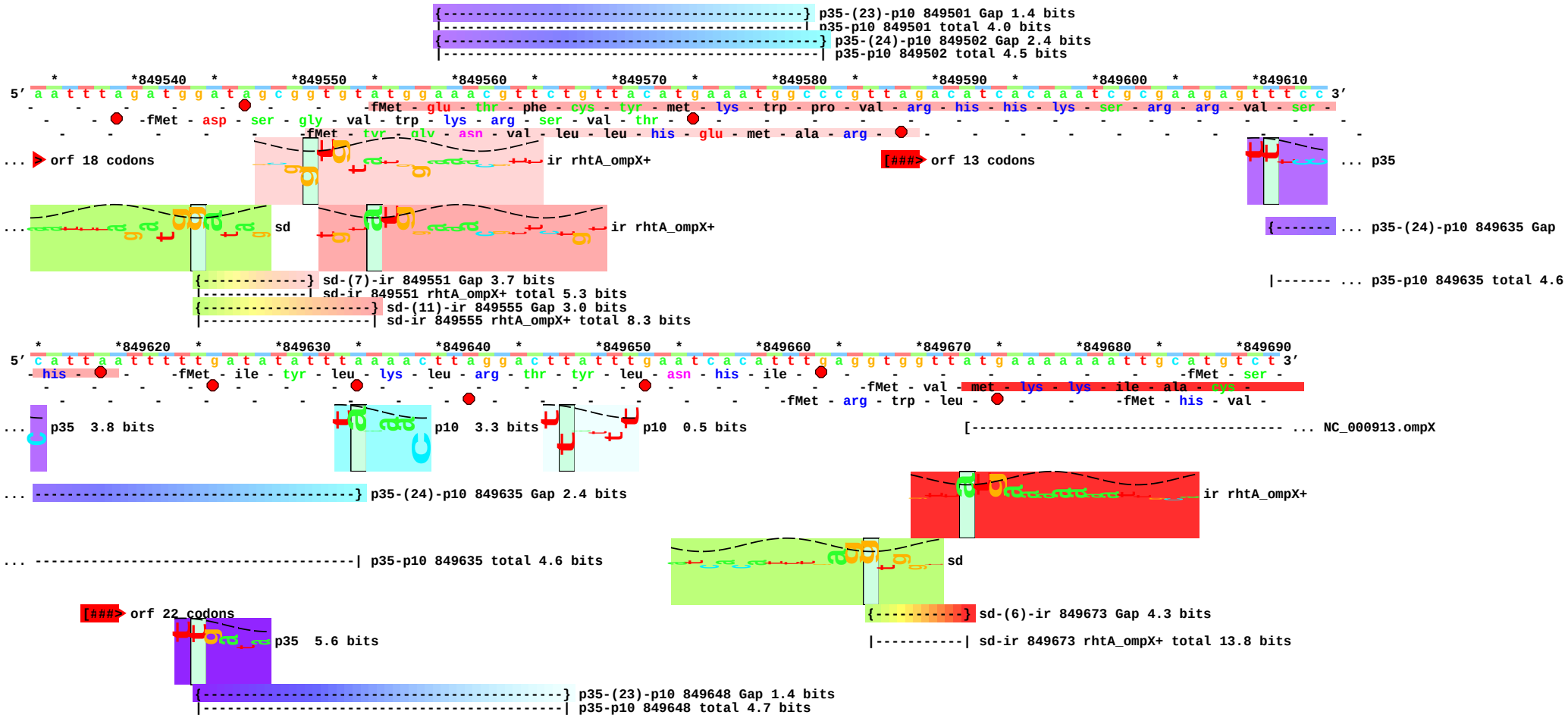

- 1 -
piece 1, NC_000913, rhtA_ompX+, config: linear, direction: +, begin: 849291, end: 849692
*849300 *849310 *849320 *849330 *849340 *849350 *849360 *849370
5′ g a c c g g c a t t t t a c g t a a t g a a c c a g g c a t c c t t t c t c c c a c a a a t a t c t a g a c t t a a g t a a a g c g t g g a g t g t a c t g g a t 3′
- asp - arg - his - phe - thr - thr - gly - ile - leu - arg - asn - glu - pro - gly - ile - leu - ser - pro - thr - asn - ile - fMet - tyr - trp - ile -
- pro - ala - phe - tyr - val - met - asn - gln - ala - ser - phe - leu - pro - gln - ile - ser - arg - leu - lys - fMet - glu - cys - thr - gly - tyr -
... NC_000913.rhtA
*849380 *849390 *849400 *849410 *849420 *849430 *849440 *849450
5′ a t a c c c a a t g c t g g t t g a g c a t t t g t t g a a a a a a t t t t c c c c g t t t t g a c t a a a a t g c g c c a g g a t t g a t g g a a t c a t t a 3′
fMet - met - glu - ser - leu -
- tyr - pro - met - leu - val - glu - his - leu - leu - lys - lys - phe - ser - pro - val - leu - thr - lys - met - arg - gln - asp -
- thr - gln - cys - trp - leu - ser - ile - cys -
p35 6.4 bits
p10 1.6 bits
... ir
sd
p35 4.4 bits
|----------| p35-p10 849419 total 4.7 bits
{---------} sd-(5)-ir 849441 Gap 5.4 bits
p10 7.6 bits
|---------| sd-ir 849441 rhtA_ompX+ total 5.5 bits
{----------} p35-(21)-p10 849419 Gap 3.3 bits
{----------} p35-(26)-p10 849424 Gap 3.7 bits
|----------| p35-p10 849424 total 10.3 bits
{---------- ... p35-(25)-p10 849468 Gap
|---------- ... p35-p10 849468 total 5.0
*849460 *849470 *849480 *849490 *849500 *849510 *849520 *849530
5′ g t c t g g t g a t t a g g a a t a a t c t g g a t g a a t g a c a g g g a a a a c a t g c g t a a t a c t t a c g c a g t t c t c t g a a a a a g t g a t t t a 3′
- val - trp - fMet - asn - asp - arg - glu - asn - met - arg - asn - thr - tyr - ala - val - leu -
fMet - thr - gly - lys - thr - cys - val - ile - leu - thr - gln - phe - ser - glu - lys - val - ile -
fMet - ile - arg - asn - asn - leu - asp - glu -
... ir rhtA_ompX+
ir rhtA_ompX+
p10 2.0 bits
[###> orf 15 codons
[### ... orf
[###> orf 7 codons
ir rhtA_ompX+
... sd
sd
{---------} sd-(5)-ir 849481 Gap 5.4 bits
p10 3.5 bits
{----------} sd-(11)-ir 849477 Gap 3.0 bits
... ----------} p35-(25)-p10 849468 Gap 4.0 bits
ir rhtA_ompX+
... ----------| p35-p10 849468 total 5.0 bits
{----------} sd-(6)-ir 849495 Gap 4.3 bits
|----------| sd-ir 849477 rhtA_ompX+ total 6.7 bits
sd
|----------| sd-ir 849495 rhtA_ompX+ total 10.8 bits
|---------| sd-ir 849481 rhtA_ompX+ total 6.7 bits
sd
p10 4.6 bits
p35 3.5 bits


{----------} p35-(23)-p10 849501 Gap 1.4 bits
|----------| p35-p10 849501 total 4.0 bits
{----------} p35-(24)-p10 849502 Gap 2.4 bits
|----------| p35-p10 849502 total 4.5 bits
*849540 *849550 *849560 *849570 *849580 *849590 *849600 *849610
5′ a a t t t a g a t g g a t a g c g g t g t a t g g a a a c g t t c t g t t a c a t g a a a t g g c c c g t t a g a c a t c a c a a a t c g c g a a g a g t t t c c 3′
-fMet - glu - thr - phe - cys - tyr - met - lys - trp - pro - val - arg - his - his - lys - ser - arg - arg - val - ser -
-fMet - asp - ser - gly - val - trp - lys - arg - ser - val - thr -
-fMet - tyr - gly - asn - val - leu - leu - his - glu - met - ala - arg -
... orf 18 codons
ir rhtA_ompX+
[###> orf 13 codons
... p35
sd
ir rhtA_ompX+
{------- ... p35-(24)-p10 849635 Gap
{----------} sd-(7)-ir 849551 Gap 3.7 bits
|----------| sd-ir 849551 rhtA_ompX+ total 5.3 bits
{----------} sd-(11)-ir 849555 Gap 3.0 bits
|----------| sd-ir 849555 rhtA_ompX+ total 8.3 bits
|------- ... p35-p10 849635 total 4.6
*849620 *849630 *849640 *849650 *849660 *849670 *849680 *849690
5′ c a t t a a t t t t t g a t a t a t t t a a a a c t t a g g a c t t a t t t g a a t c a c a t t t g a g g t g g t t a t g a a a a a a a t t g c a t g t c t 3′
his - -fMet - ile - tyr - leu - lys - leu - arg - thr - tyr - leu - asn - his - ile - -fMet - ser -
-fMet - val - met - lys - lys - ile - ala - cys -
-fMet - arg - trp - leu -
-fMet - his - val -
... p35 3.8 bits
p10 3.3 bits
p10 0.5 bits
[---------- ... NC_000913.ompX
{----------} p35-(24)-p10 849635 Gap 2.4 bits
ir rhtA_ompX+
|----------| p35-p10 849635 total 4.6 bits
sd
[###> orf 22 codons
p35 5.6 bits
{----------} sd-(6)-ir 849673 Gap 4.3 bits
|----------| sd-ir 849673 rhtA_ompX+ total 13.8 bits
{----------} p35-(23)-p10 849648 Gap 1.4 bits
|----------| p35-p10 849648 total 4.7 bits