piece 1, NC_000913, REPt248_nirB+, config: linear, direction: +, begin: 3491776, end: 3492052
*3491780 *3491790 *3491800 *3491810 *3491820 *3491830 *3491840 *3491850 *
5′ t c a t g c c g g a c g g c a c t a t c g t c g t c c g g c c t t t t c c t c t c t t c c c c c g c t a c g t g c a t c t a t t t c t a t a a a c c c g c t c a t 3′
- ser - cys - arg - thr - ala - leu - ser - ser - ser - gly - leu - phe - leu - ser - ser - pro - ala - thr - cys - ile - tyr - phe - tyr - lys - pro - ala - his -
- his - ala - gly - arg - his - tyr - arg - arg - pro - ala - phe - ser - ser - leu - pro - pro - leu - arg - ala - ser - ile - ser - ile - asn - pro - leu - ile -
- met - pro - asp - gly - thr - ile - val - val - arg - pro - phe - pro - leu - phe - pro - arg - tyr - val - his - leu - phe - leu -
p35 4.4 bits
{---------- ... p35-(25)-p10 34918
|---------- ... p35-p10 3491864 to
*3491860 *3491870 *3491880 *3491890 *3491900 *3491910 *3491920 *3491930 *
5′ t t t g t c t a t t t t t g c a c a a a a c a t g a a a t a t c a g a c a a t t c c g t g a c t t a a g a a a a t t t a t a c a a a t c a g c a a t a t a c c c a 3′
- phe - val - tyr - phe - leu - his - lys - his - glu - ile - ser - asp - asn - ser - val - thr -
- leu - ser - ile - phe - cys - thr - asn - met - lys - tyr - gln - thr - ile - pro -
p10 5.2 bits
p10 2.5 bits
... sd
... ----------} p35-(25)-p10 3491864 Gap 4.0 bits
p10 2.9 bits
... ----------| p35-p10 3491864 total 5.5 bits
p35 5.6 bits
{----------} p35-(24)-p10 3491883 Gap 2.4 bits
|----------| p35-p10 3491883 total 5.7 bits
p35 4.7 bits
{----------} p35-(21)-p10 3491891 Gap 3.3 bits
|----------| p35-p10 3491891 total 4.2 bits
*3491940 *3491950 *3491960 *3491970 *3491980 *3491990 *3492000 *3492010 *
5′ t t a a g g a g t a t a t a a a g g t g a a t t t g a t t t a c a t c a a t a a g c g g g g t t g c t g a a t c g t t a a g g t a g g c g g t a a t a g a a a a g 3′
-fMet - leu - asn - arg -
-fMet - asn - leu - ile - tyr - ile - asn - lys - arg - gly - cys -
... sd
ir REPt248_nirB+
[###> orf 12 codons
... sd
{----------} sd-(12)-ir 3491955 Gap 4.0 bits
|----------| sd-ir 3491955 REPt248_nirB+ total 10.3 bits
ir REPt248_nirB+
sd
{----------} sd-(6)-ir 3491961 Gap 4.3 bits
|----------| sd-ir 3491961 REPt248_nirB+ total 7.5 bits
*3492020 *3492030 *3492040 *3492050
5′ a a a t c g a g g c a a a a a t g a g c a a a g t c a g a c t c g c 3′
-fMet - ser - lys - val - arg - leu -
... sd[---------- ... NC_000913.nirB

ir REPt248_nirB+

{----------} sd-(6)-ir 3492033 Gap 4.3 bits
|----------| sd-ir 3492033 REPt248_nirB+ total 9.6 bits