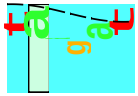
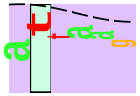
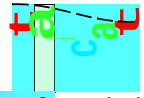
piece 1, NC_000913, IRU8_narG-, config: linear, direction: -, begin: 1279116, end: 1278683
*1279110 *1279100 *1279090 *1279080 *1279070 *1279060 *1279050 *1279040
5′ g t a g c g a a a c c g g t c c a g g a a t t t a c t c a t c g g t t t t c t c c t g t g g g a g c c t g t c g g c c c t c t g a t a a a t c g a c a t g c t a 3′
- val - ala - lys - pro - val - gln - glu - phe - thr - his - arg - phe - ser - pro - val - gly - ala - cys - arg - pro - ser - asp - lys - ser - thr - leu - leu -
- ser - glu - thr - gly - pro - gly - ile - tyr - ser - ser - val - phe - ser - cys - gly - ser - leu - ser - ala - leu -
... ----------] NC_000913.narG
*1279030 *1279020 *1279010 *1279000 *1278990 *1278980 *1278970 *1278960
5′ a t g t t t a a g g g c a a g g t a a c g c t c t g a a a c a g c g t g g g a a t t g a t a a c g a t c a a g a g t g a t g g g g a t g a a a a a t a a g t a a 3′
- met - phe - lys - gly - lys - val - thr - leu - -fMet - gly - ile - asp - asn - asp - gln - glu -
-fMet - ile - thr - ile - lys - ser - asp - gly - asp - glu - lys -
-fMet - met - gly - met - lys - asn - lys - val - asn -
ir IRU8_narG-
sd
ir IRU8_narG-
{---------} sd-(5)-ir 1278976 Gap 5.4 bits
|---------| sd-ir 1278976 IRU8_narG- total 5.7 bits
{--------------------} sd-(11)-ir 1278970 Gap 3.0 bits
|--------------------| sd-ir 1278970 IRU8_narG- total 10.7 bits
p35 3.3 bits
{---------- ... p35-(21)-p10 12789
|---------- ... p35-p10 1278948 to
*1278950 *1278940 *1278930 *1278920 *1278910 *1278900 *1278890 *1278880
5′ a t t c c t a a g a t a c c c c t t t a g g a t a a t t a a c a g c c a c c a c a t a a c a g a c t g t a a a t t a a g a c g t t t t a t a c c t g t a g t t a t 3′
- ser -
[###> orf 10 codons
p35 2.7 bits
p10 5.7 bits
p35 4.7 bits
p10 5.7 bits
{----------} p35-(25)-p10 1278902 Gap 4.0 bits
|----------| p35-p10 1278902 total 4.4 bits
{---------- ... p35-(26)-p10 12788
|---------- ... p35-p10 1278863 to
... ----------} p35-(21)-p10 1278948 Gap 3.3 bits
... ----------| p35-p10 1278948 total 5.7 bits
*1278870 *1278860 *1278850 *1278840 *1278830 *1278820 *1278810 *1278800
5′ t t a a a c t a t t a a g a t t t t t a t g c a g a t g g g t a t t a a g g a g t a t t c c c c a t g g g t a a c a t a t t a a t g g c t c t t a a t g a a a t c 3′
-fMet - gly - asn - ile - leu - met - ala - leu - asn - glu - ile -
-fMet - gln - met - gly - ile - lys - glu - tyr - ser - pro - trp - val - thr - tyr -
-fMet - lys - ser -
ir IRU8_narG-
[###> orf 15 codons
p35 3.3 bits
sd
sd
ir IRU8_narG-
{---------- ... p35-(23)-p10 12787
{----------} sd-(7)-ir 1278854 Gap 3.7 bits
{--------------------} sd-(11)-ir 1278825 Gap 3.0 bits
|---------- ... p35-p10 1278776 to
... ----------} p35-(26)-p10 1278863 Gap 3.7 bits
|--------------------| sd-ir 1278825 IRU8_narG- total 13.4 bits
{---------- ... p35-(25)-p10 12787
... ----------| p35-p10 1278863 total 6.7 bits
sd
ir IRU8_narG-
|----------| sd-ir 1278854 IRU8_narG- total 5.2 bits
{--------------------} sd-(11)-ir 1278810 Gap 3.0 bits


p10 5.7 bits


p35 1.6 bits

|----------| sd-ir 1278810 IRU8_narG- total 5.8 bits


p10 5.6 bits

|------------ ... p35-p10 127877

{----------} p35-(22)-p10 1278819 Gap 2.3 bits
|----------| p35-p10 1278819 total 4.8 bits

*1278790 * *1278780 * *1278770 * *1278760 * *1278750 * *1278740 * *1278730 * *1278720 *

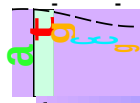
5′ c g g c g a a a t a a a c c a t a t a a c a t t a g t a t g t t g t a a c t a a a t g a c g c a t a a a a a a a g c g c g a c a t c a t g c c g c g c a a a g g a 3′

- arg - arg - asn - lys - pro - tyr - asn - ile - ser - met - leu - - - - - - - - - - - -fMet - pro - arg - lys - gly -

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

p10 4.1 bits

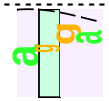
[###> orf 23 codons

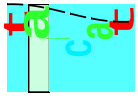

p35 2.1 bits

... {----------} p35-(23)-p10 1278776 Gap 1.4 bits
... |----------| p35-p10 1278776 total 6.0 bits

... {----------} p35-(25)-p10 1278774 Gap 4.0 bits

{---------- ... p35-(23)-p10 1
|---------- ... p35-p10 127870


... p35


p10 5.6 bits

{----- ... p35-(24)-p10 1

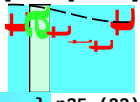
|----- ... p35-p10 127869

... |----------| p35-p10 1278774 total 4.9 bits

*1278710 * *1278700 * *1278690 *

5′ t a a t c a a a t a t t t t a c t c t a t a t a a t t c g 3′

- asn - gln - ile - phe - tyr - ser - ile - - -


p10 5.2 bits

... {----------} p35-(23)-p10 1278702 Gap 1.4 bits
... |----------| p35-p10 1278702 total 5.8 bits

... p35 0.4 bits

p10 8.4 bits

... {----------} p35-(24)-p10 1278690 Gap 2.4 bits
... |----------| p35-p10 1278690 total 6.3 bits