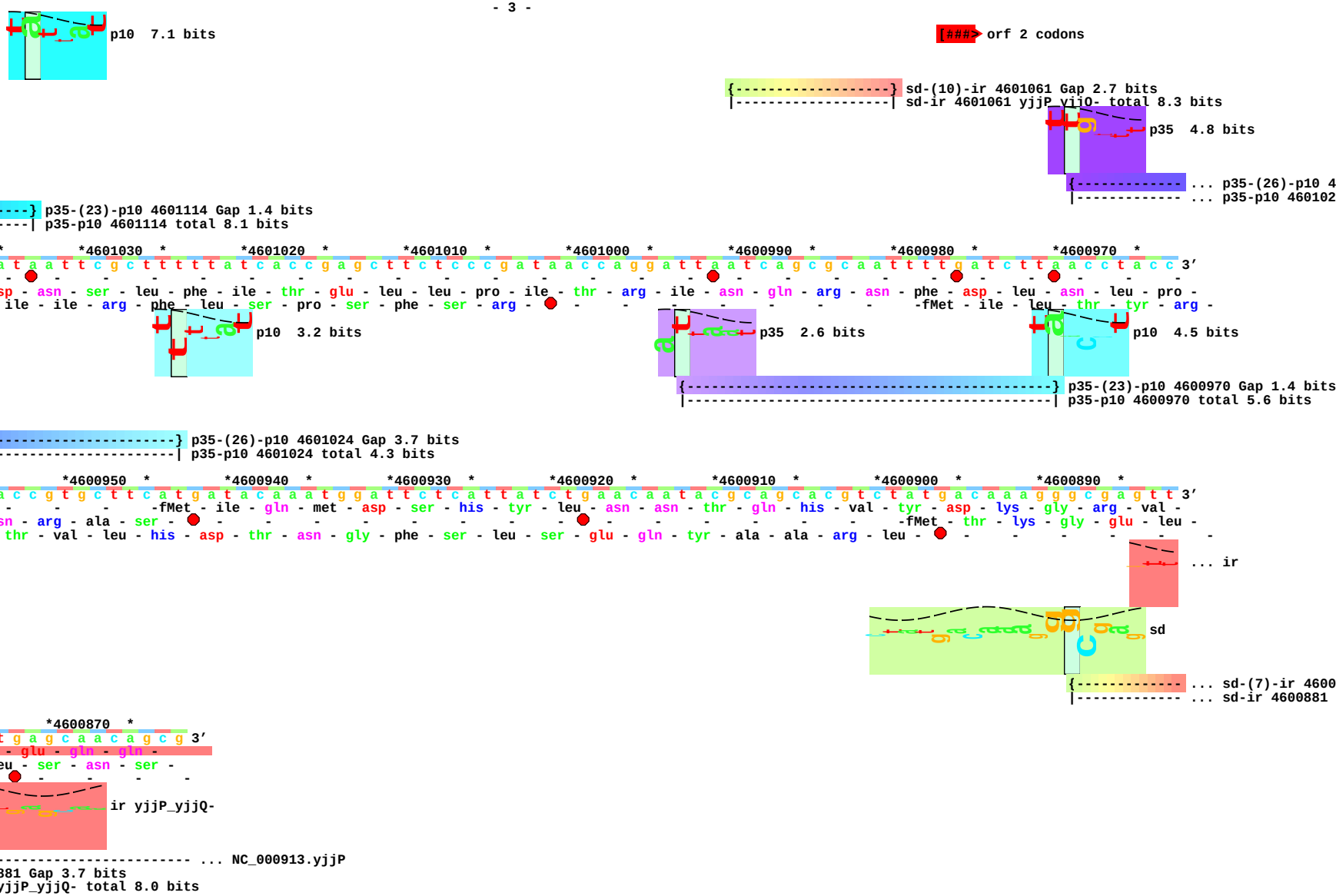
piece 1, NC_000913, yjjP_yjjQ-, config: linear, direction: -, begin: 4601529, end: 4600862

p35 1.6 bits
p35-(23)-p10 4601289 Ga
p35-p10 4601289 total 7
... p35-(24)-p10 4
... p35-p10 460128
*4601280 *4601270 *4601260 *4601250 *4601240 *4601230 *4601220 *4601210
5′ a t a t c t a c a t t a a g t t g t t a g g a a t a c t t a a t g a a a a a c a g a a a t c a c a t t c a t t t a a t t t a t a a t t a a a t g a t a t c c c t t 3′
-fMet - lys - asn - arg - asn - his - ile - his - leu - ile - tyr - asn - -fMet - ile - ser - leu -
-fMet - leu - gly - ile - leu - asn - glu - lys - gln - lys - ser - his - ser - phe - asn - leu -
... p10 7.6 bits
ir yjjP_yjjQ-
p10 4.5 bits
[###> orf 13 codons
sd
p35 3.3 bits
sd
p10 5.1 bits
sd-(9)-ir 4601256 Gap 2.3 bits
... sd-(18)-ir 460
sd-ir 4601256 yjjP_yjjQ- total 13.7 bits
... sd-ir 4601197
p35-(23)-p10 4601232 Gap 1.4 bits
p35-p10 4601232 total 6.4 bits
... p35-(23)-p10 4
... p35-(24)-p10 4601280 Gap 2.4 bits
p35 2.5 bits
... p35-p10 4601280 total 4.7 bits
... p35-p10 460119
*4601200 *4601190 *4601180 *4601170 *4601160 *4601150 *4601140 *4601130 *
5′ c c c g c a g a a t g c a a a a t c a c a c a a c c a a t a t t t t a t t c a a t g a a a t c t g a t g g t t t t a g c t t g t t a a c a t t a a a a a a c g t g c 3′
- pro - ala - glu - cys - lys - ile - thr - gln - pro - ile - phe - ile - gln - -fMet - val - leu - ala - cys -
-fMet - gln - asn - his - thr - thr - asn - ile - tyr - ser - met - lys - ser - asp - glv - phe - ser - leu - leu - thr - leu - lys - asn - val - pro -
ir yjjP_yjjQ-
ir yjjP_yjjQ-
p10 4.7 bits
sd
[###> orf 6 codons
... sd-(18)-ir 4601197 Gap 6.9 bits
sd-(8)-ir 4601157 Gap 2.4 bits
p35 2.5 bits
... sd-ir 4601197 yjjP_yjjQ- total 7.4 bits
sd-ir 4601157 yjjP_yjjQ- total 5.7 bits
p35 3.3 bits
p10 5.6 bits
... p35-(23)-p10 4601193 Gap 1.4 bits
p35-(25)-p10 4601141 Gap 4.0 bits
... p35-p10 4601193 total 5.8 bits
p35-p10 4601141 total 4.9 bits
... p35-(23)-p10 4
... p35-p10 460111
*4601120 *4601110 *4601100 *4601090 *4601080 *4601070 *4601060 *4601050 *
5′ c c g g t t a t c t a t t a t c c t g a t t c g t a a a g g c c a a a c a a t a a a t t c a t t a t g a t g a t a a t a t t c a t g t g a t a g t t t g t t t g c 3′
-fMet - met - ile - ile - phe - met -
-gly - tyr - leu - leu - ser -
-fMet - phe - ala -
-fMet - ile - val - cys - leu - arg -
[###> orf 31 codons
sd
ir yjjP_yjjQ-


p10 7.1 bits
[###> orf 2 codons
{----------} sd-(10)-ir 4601061 Gap 2.7 bits
|----------| sd-ir 4601061 yjjP_yjjO- total 8.3 bits
p35 4.8 bits
{---------- ... p35-(26)-p10 4
|---------- ... p35-p10 460102
... {----------} p35-(23)-p10 4601114 Gap 1.4 bits
... |----------| p35-p10 4601114 total 8.1 bits
*4601040 * *4601030 * *4601020 * *4601010 * *4601000 * *4600990 * *4600980 * *4600970 *
5' g g c g a g a g a t a a t t c g c t t t t t a t c a c c g a g c t t c t c c c g a t a a c c a g g a t t a a t c a g c g c a a t t t t g a t c t t a a c c t a c c 3'
- ala - arg - asp - asn - ser - leu - phe - ile - thr - glu - leu - leu - pro - ile - thr - arg - ile - asn - gln - arg - asn - phe - asp - leu - asn - leu - pro -
- arg - glu - ile - ile - arg - phe - leu - ser - pro - ser - phe - ser - arg - -fMet - ile - leu - thr - tyr - arg -
p10 3.2 bits
p35 2.6 bits
p10 4.5 bits
{----------} p35-(23)-p10 4600970 Gap 1.4 bits
|----------| p35-p10 4600970 total 5.6 bits
... {----------} p35-(26)-p10 4601024 Gap 3.7 bits
... |----------| p35-p10 4601024 total 4.3 bits
*4600960 * *4600950 * *4600940 * *4600930 * *4600920 * *4600910 * *4600900 * *4600890 *
5' g c a a a a c a a c c g t g c t t c a t g a t a c a a a t g g a t t c t c a t t a t c t g a a c a a t a c g c a g c a c g t c t a t g a c a a a g g g c g a g t t 3'
-fMet - ile - gln - met - asp - ser - his - tyr - leu - asn - asn - thr - gln - his - val - tyr - asp - lys - gly - arg - val -
- gln - asn - asn - arg - ala - ser - -fMet - thr - lys - gly - glu - leu -
- lys - thr - thr - val - leu - his - asp - thr - asn - gly - phe - ser - leu - ser - glu - gln - tyr - ala - ala - arg - leu -
... ir
sd
{---------- ... sd-(7)-ir 4600
|---------- ... sd-ir 4600881
*4600880 * *4600870 *
5' a t g c a a a c t g a g c a a c a g c g 3'
- met - gln - thr - glu - gln - gln -
- cys - lys - leu - ser - asn - ser -
... ir yjjP_yjjQ-
[---------- ... NC_000913.yjjP
... } sd-(7)-ir 4600881 Gap 3.7 bits
... | sd-ir 4600881 yjjP_yjjQ- total 8.0 bits