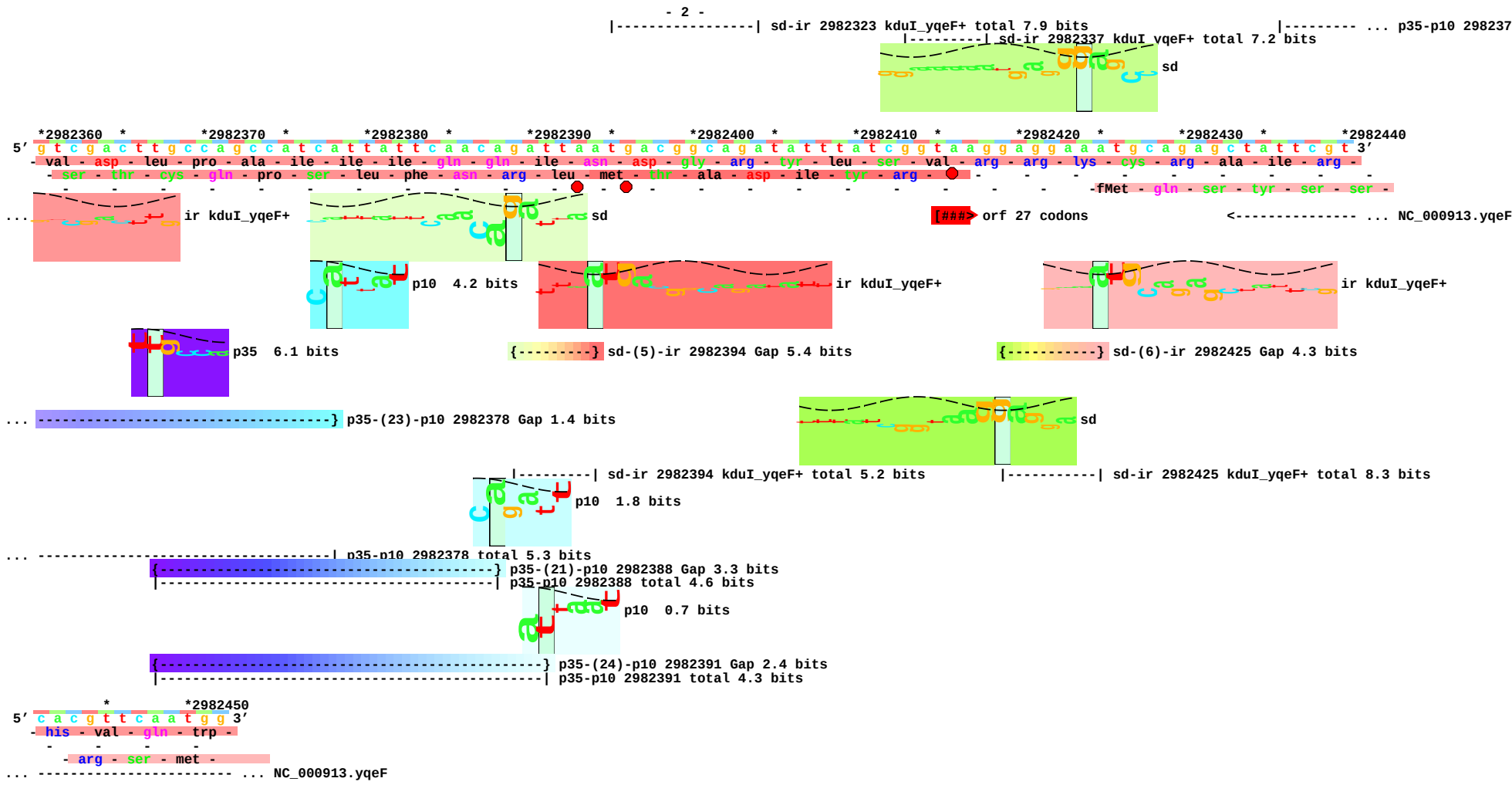
piece 1, NC_000913, kduI_yqeF+, config: linear, direction: +, begin: 2982117, end: 2982452
*2982120 * *2982130 * *2982140 * *2982150 * *2982160 * *2982170 * *2982180 * *2982190 *
5′ c g c a c t g t g g a t g c t c t g t c t t a c g t c c a c a t c a a c c t c c g a t a a t c a g t g a a g c g t g a a a a t a g a a a a c g a t a g t g a a a c 3′
- arg - thr - val - asp - ala - leu - ser - tyr - val - his - ile - asn - leu - arg - fMet - lys - arg - glu - asn - arg - lys - arg -
- ala - leu - trp - met - leu - cys - leu - thr - ser - thr - ser - thr - ser - asp - asn - gln - fMet - lys - ile - glu - asn - asp - ser - glu - thr -
- his - cys - gly - cys - ser - val - leu - arg - pro - his - gln - pro - pro - ile - ile - ser - glu - ala - fMet - lys - his -
... ----------] NC_000913.kduI
p10 4.3 bits
p35 2.4 bits
{----------} p35-(24)-p10 2982158 Gap 2.4 bits
|----------| p35-p10 2982158 total 4.3 bits
*2982200 * *2982210 * *2982220 * *2982230 * *2982240 * *2982250 * *2982260 * *2982270 *
5′ a c t g t t t c g t t t t c t c t a t a a a g g g a t g a t a t g c c c a t g g c t a g g g t t t t c a a t t a a a a a t a a a a c a a t g t t t c a t t t t t 3′
fMet - pro - met - gly -
- leu - phe - arg - phe - leu - tyr - lys - gly - met - ile - cys - pro - trp - ala - arg - val - phe - asn -
- cys - phe - val - phe - ser - ile - lys - gly - fMet - phe - his - phe -
ir kduI_yqeF+
... sd
sd
[###> orf 5 codons
p10 2.4 bits
{----------} sd-(6)-ir 2982228 Gap 4.3 bits
p35 5.2 bits
|----------| sd-ir 2982228 kduI_yqeF+ total 6.9 bits
ir kduI_yqeF+
{----------} sd-(12)-ir 2982234 Gap 4.0 bits
|----------| sd-ir 2982234 kduI_yqeF+ total 6.9 bits
{----------} p35-(23)-p10 2982270 Gap 1.4 bits
|----------| p35-p10 2982270 total 6.2 bits
*2982280 * *2982290 * *2982300 * *2982310 * *2982320 * *2982330 * *2982340 * *2982350 *
5′ a a g t t a a g g a t t a a a a a a a g t g c a g t g t c g a t c a c g a a t a t g t c a t g a g a a t g g a a a a a t g a g g g a g c c c a g a a a a t g t a t 3′
fMet - ser - ile - thr - asn - met - ser - fMet - tyr -
fMet - gln - cys - arg - ser - arg - ile - cys - his - glu - asn - gly - lys - met - arg - glu - pro - arg - lys - cys - met -
fMet - arg - met - glu - lys -
...
sd
ir kduI_yqeF+
[###> orf 6 codons
... ir
{----------} sd-(16)-ir 2982303 Gap 6.4 bits
[###> orf 8 codons
ir kduI_yqeF+
|----------| sd-ir 2982303 kduI_yqeF+ total 5.5 bits
{---------} sd-(5)-ir 2982337 Gap 5.4 bits
p35 2.6 bits
ir kduI_yqeF+
{--------- ... p35-(23)-p10 29823
sd
sd
{----------} sd-(11)-ir 2982354 Gap 3.0 bits
{----------} sd-(9)-ir 2982323 Gap 2.3 bits
|----------| sd-ir 2982354 kduI_yqeF+ total 8.


|----------------| sd-ir 2982323 kduI_yqeF+ total 7.9 bits
|---------| sd-ir 2982337 kduI_yqeF+ total 7.2 bits
|--------- ... p35-p10 298237
sd
*2982360 * *2982370 * *2982380 * *2982390 * *2982400 * *2982410 * *2982420 * *2982430 * *2982440
5′ g t c g a c t t g c c a g c c a t c a t t a t t c a a c a g a t t a a t g a c g g c a g a t a t t t a t c g g t a a g g a g g a a a t g c a g a g c t a t t c g t 3′
- val - asp - leu - pro - ala - ile - ile - ile - gln - gln - ile - asn - asp - gly - arg - tyr - leu - ser - val - arg - arg - lys - cys - arg - ala - ile - arg -
- ser - thr - cys - gln - pro - ser - leu - phe - asn - arg - leu - met - thr - ala - asp - ile - tyr - arg -
fMet - gln - ser - tyr - ser - ser -
... ir kduI_yqeF+
sd
[###> orf 27 codons
<--------------- ... NC_000913.yqeF
p10 4.2 bits
ir kduI_yqeF+
ir kduI_yqeF+
p35 6.1 bits
{---------} sd-(5)-ir 2982394 Gap 5.4 bits
{-----------} sd-(6)-ir 2982425 Gap 4.3 bits
... ----------} p35-(23)-p10 2982378 Gap 1.4 bits
sd
|---------| sd-ir 2982394 kduI_yqeF+ total 5.2 bits
|-----------| sd-ir 2982425 kduI_yqeF+ total 8.3 bits
p10 1.8 bits
... ----------| p35-p10 2982378 total 5.3 bits
{----------} p35-(21)-p10 2982388 Gap 3.3 bits
|----------| p35-p10 2982388 total 4.6 bits
p10 0.7 bits
{----------} p35-(24)-p10 2982391 Gap 2.4 bits
|----------| p35-p10 2982391 total 4.3 bits
* *2982450
5′ c a c g t t c a a t g g 3′
- his - val - gln - trp -
- arg - ser - met -
... ---------- ... NC_000913.yqeF