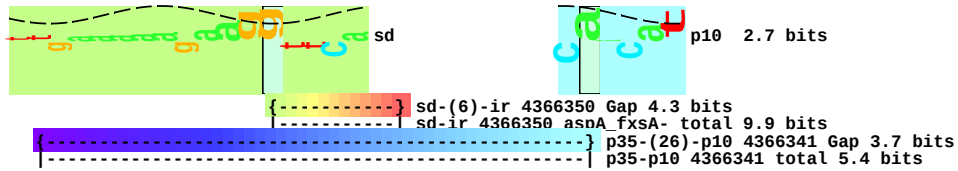
piece 1, NC_000913, aspA_fxsA-, config: linear, direction: -, begin: 4366716, end: 4366331
*4366710 *4366700 *4366690 *4366680 *4366670 *4366660 *4366650 *4366640
5′ g a a a a t g g c a a t a a a a g g t a a c c a g c g c a a a g g t t t c t c c t g t a a t a g c a g c c g g t t a a c c c c g g c t a c c t g a a t g g g t t g 3′
- glu - asn - gly - asn - lys - arg - -fMet -
- lys - met - ala - ile - lys - gly - asn - gln - arg - lys - gly - phe - ser - cys - asn - ser - ser - arg - leu - thr - pro - ala - thr - -fMet - gly - cys -
- lys - trp - gln -
... ----------] NC_000913.fxsA
... p35
{--- ... p35-(21)-p10 43666
|--- ... p35-p10 4366616 to
*4366630 *4366620 *4366610 *4366600 *4366590 *4366580 *4366570 *4366560 *
5′ c g a a t c g c g t t t a g c t t a t a t t g t g g t c a t t a g c a a a a t t t c a a g a t g t t t g c g c a a c t a t t t t t g g t a g t a a t c c c a a a g 3′
- arg - ile - ala - phe - ser - leu - tyr - cys - gly - his - -fMet - phe - ala - gln - leu - phe - leu - val - val - ile - pro - lys -
- glu - ser - arg - leu - ala - tyr - ile - val - val - ile - ser - lys - ile - ser - arg - cys - leu - arg - asn - tyr - phe - trp - -fMet - trp - ser - leu - ala - lys - phe - gln - asp - val - cys - ala - thr - ile - phe - gly - ser - asn - pro - lys - ala -
... p35 4.2 bits
p10 4.6 bits
p10 4.7 bits
... {----------} p35-(21)-p10 4366616 Gap 3.3 bits
... |----------| p35-p10 4366616 total 5.5 bits
p35 2.3 bits
{----------} p35-(24)-p10 4366601 Gap 2.4 bits
|----------| p35-p10 4366601 total 4.6 bits
*4366550 *4366540 *4366530 *4366520 *4366510 *4366500 *4366490 *4366480 *
5′ c g g t g a t c t a t t t c a c a a a t t a a t a a t t a a g g g g t a a a a a c c g a c a c t t a a a g t g a t c c a g a t t a c g g t a g a a a t c c t c a a 3′
- arg - -fMet - ile - gln - ile - thr - val - glu - ile - leu - lys -
- val - ile - tyr - phe - thr - asn -
p35 1.6 bits
p10 5.1 bits
p35 1.5 bits
{----------} p35-(23)-p10 4366505 Gap 1.4 bits
|----------| p35-p10 4366505 total 5.2 bits
{---------- ... p35-(26)-p10 43664
|---------- ... p35-p10 4366466 to
*4366470 *4366460 *4366450 *4366440 *4366430 *4366420 *4366410 *4366400 *
5′ g c a g c a t g a t c t c g g g t a t t c g g t c g a t g c a g g g g a t a a t c g t c g g t c g a a a a a c a t t c g a a a c c a c a t a t t c t g t g 3′
- -fMet -
- gln - his - met - ile - ser - gly - ile - arg - ser - met - gln - gly - ile - ile - val - gly - arg - lys - thr - phe - glu - thr - thr - tyr - ile - leu - cys -
-fMet -
sd
ir aspA_fxsA-
{----------} sd-(11)-ir 4366445 Gap 3.0 bits
|----------| sd-ir 4366445 aspA_fxsA- total 6.2 bits
... {----------} p35-(26)-p10 4366466 Gap 3.7 bits
... |----------| p35-p10 4366466 total 4.3 bits
p10 6.4 bits
*4366390 *4366380 *4366370 *4366360 *4366350 *4366340 *
5′ t g t t t a a a g c a a a t c a t t g g c a g c t t g a a a a a g a a g g t t c a c a t g t c a a a c a a c a t t c g t a t 3′
- cys - leu - lys - gln - ile - ile - gly - ser - leu - lys - lys - lys - val - his - met - ser - asn - asn - ile - arg -
- val - -fMet - ala - ala -
- phe - lys - ala - asn - his - trp - gln - leu - glu - lys - glu - gly - ser - his - val - lys - gln - his - ser - tyr -
[###> orf 20 codons
p35 6.4 bits
[---------- ... NC_000913.aspA
ir aspA_fxsA-


sd
p10 2.7 bits
{----------} sd-(6)-ir 4366350 Gap 4.3 bits
|----------| sd-ir 4366350 aspA_fxsA- total 9.9 bits
{--} p35-(26)-p10 4366341 Gap 3.7 bits
|--| p35-p10 4366341 total 5.4 bits