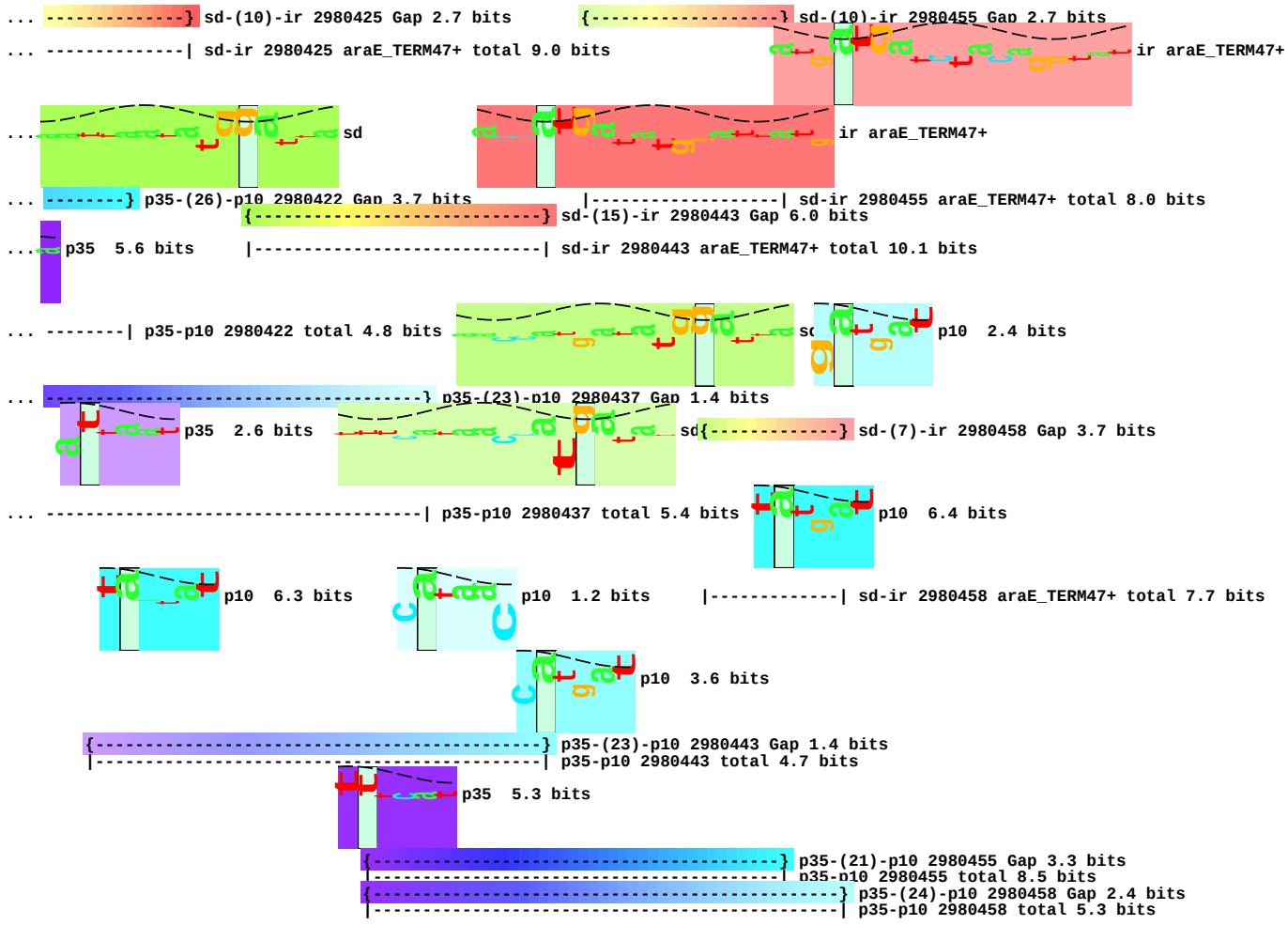
piece 1, NC_000913, araE_TERM47+, config: linear, direction: +, begin: 2980175, end: 2980491
*2980180 *2980190 *2980200 *2980210 *2980220 *2980230 *2980240 *2980250 *
5′ t a a g c a g a t t c c g t a t t g a t a g t a a c c a t t t t t t c c t g c c a g c a g a g a g t a a g a c a t a g t g a a a a a a t a c g t g a a c a a c t 3′
- lys - ala - asp - ser - val - leu - ile - val - thr - ile - phe - ser - cys - gln - gln - arg - val - arg - his - ser - glu - lys - ile - arg - glu - gln - leu -
- lys - gln - ile - pro - tyr - fMet - lys - lys - tyr - val - asn - asn - ser -
... ----------] NC_000913.araE
p10 3.0 bits
p35 5.3 bits
{----------} p35-(23)-p10 2980231 Gap 1.4 bits
|----------| p35-p10 2980231 total 6.9 bits
*2980260 *2980270 *2980280 *2980290 *2980300 *2980310 *2980320 *2980330 *
5′ c a c g c a g g t g t c a g g t c g g a a a c a g c a t a a a t a t g g a t t a a a t t g c t g c g a c a t g t c g t t a t g t g a t g g a t a t t c c a a t t t 3′
fMet - leu - arg - his - val - val - met -
- thr - gln - val - ser - gly - arg - lys - gln - his - lys - tyr - gly - leu - asn - cys - cys - asp - met - ser - leu - cys - asp - gly - tyr - ser - asn - phe -
- arg - arg - cys - gln - val - gly - asn - ser - ile - asn - met - asp - fMet - met - asp - ile - pro - ile - phe -
... p35
{- ... p35-(24)-p10 29803
|- ... p35-p10 2980360 to
*2980340 *2980350 *2980360 *2980370 *2980380 *2980390 *2980400 *2980410 *
5′ t c a a a t t a a g t t g a a t t a t t g a t a t t a t t a a c c a c c t a a t t t t a c a g c a g a t a a a a t t c a t a a g t t c a t t a a t t g a t 3′
fMet - arg - leu - leu - leu - thr - thr -
- gln - ile - lys - leu - asn - tyr - fMet - ile -
- lys - leu - ser -
... p35 5.2 bits
p10 3.0 bits
p10 4.4 bits
... sd
... ----------} p35-(24)-p10 2980360 Gap 2.4 bits
p10 7.6 bits
{----- ... sd-(10)-ir 2980425
... ----------| p35-p10 2980360 total 5.8 bits
p35 3.2 bits
p10 5.1 bits |----- ... sd-ir 2980425 araE
p35 1.6 bits
p10 7.1 bits
p35 2.2 bits
... sd
{----------} p35-(21)-p10 2980363 Gap 3.3 bits
{----------} ... p35-(26)-p10 29804
|----------| p35-p10 2980363 total 5.3 bits
{----------} p35-(21)-p10 2980401 Gap 3.3 bits
p35 4.6 bits
{----------} p35-(24)-p10 2980392 Gap 2.4 bits
... p35
{----------} p35-(21)-p10 2980377 Gap 3.3 bits
|---------- ... p35-p10 2980422 to
|----------| p35-p10 2980377 total 5.7 bits
{------- ... p35-(23)-p10 29804
p35 1.2 bits |----------| p35-p10 2980401 total 5.0 bits
|----------| p35-p10 2980392 total 6.4 bits
|------- ... p35-p10 2980437 to
*2980420 *2980430 *2980440 *2980450 *2980460 *2980470 *2980480 *2980490
5′ a a t t a a t a t g g a t t a t t t c a t a a c c a t g a t a t g g a t t a t g a t g a t c t a c a g g t a t a a a a a a c c c t g c c a t g c g g 3′
fMet - asp - tyr - asp - asp - leu - gln - val -
- ile - asn - met - asp - tyr - phe - ile - thr - met - ile - trp - ile - met - met - ile - tyr - arg - tyr - lys - lys - pro - cys - his - ala -
fMet - arg -
...sd ir araE_TERM47+
ir araE_TERM47+


... ----------} sd-(10)-ir 2980425 Gap 2.7 bits
{----------} sd-(10)-ir 2980455 Gap 2.7 bits
... ----------| sd-ir 2980425 araE_TERM47+ total 9.0 bits
ir araE_TERM47+
... sd
ir araE_TERM47+
... --------} p35-(26)-p10 2980422 Gap 3.7 bits
|----------| sd-ir 2980455 araE_TERM47+ total 8.0 bits
{----------} sd-(15)-ir 2980443 Gap 6.0 bits
... p35 5.6 bits
|----------| sd-ir 2980443 araE_TERM47+ total 10.1 bits
... --------| p35-p10 2980422 total 4.8 bits
sd
p10 2.4 bits
... ----------} p35-(23)-p10 2980437 Gap 1.4 bits
p35 2.6 bits
sd{----------} sd-(7)-ir 2980458 Gap 3.7 bits
... ----------| p35-p10 2980437 total 5.4 bits
p10 6.4 bits
p10 6.3 bits
p10 1.2 bits
|----------| sd-ir 2980458 araE_TERM47+ total 7.7 bits
p10 3.6 bits
{----------} p35-(23)-p10 2980443 Gap 1.4 bits
|----------| p35-p10 2980443 total 4.7 bits
p35 5.3 bits
{----------} p35-(21)-p10 2980455 Gap 3.3 bits
|----------| p35-p10 2980455 total 8.5 bits
{----------} p35-(24)-p10 2980458 Gap 2.4 bits
|----------| p35-p10 2980458 total 5.3 bits