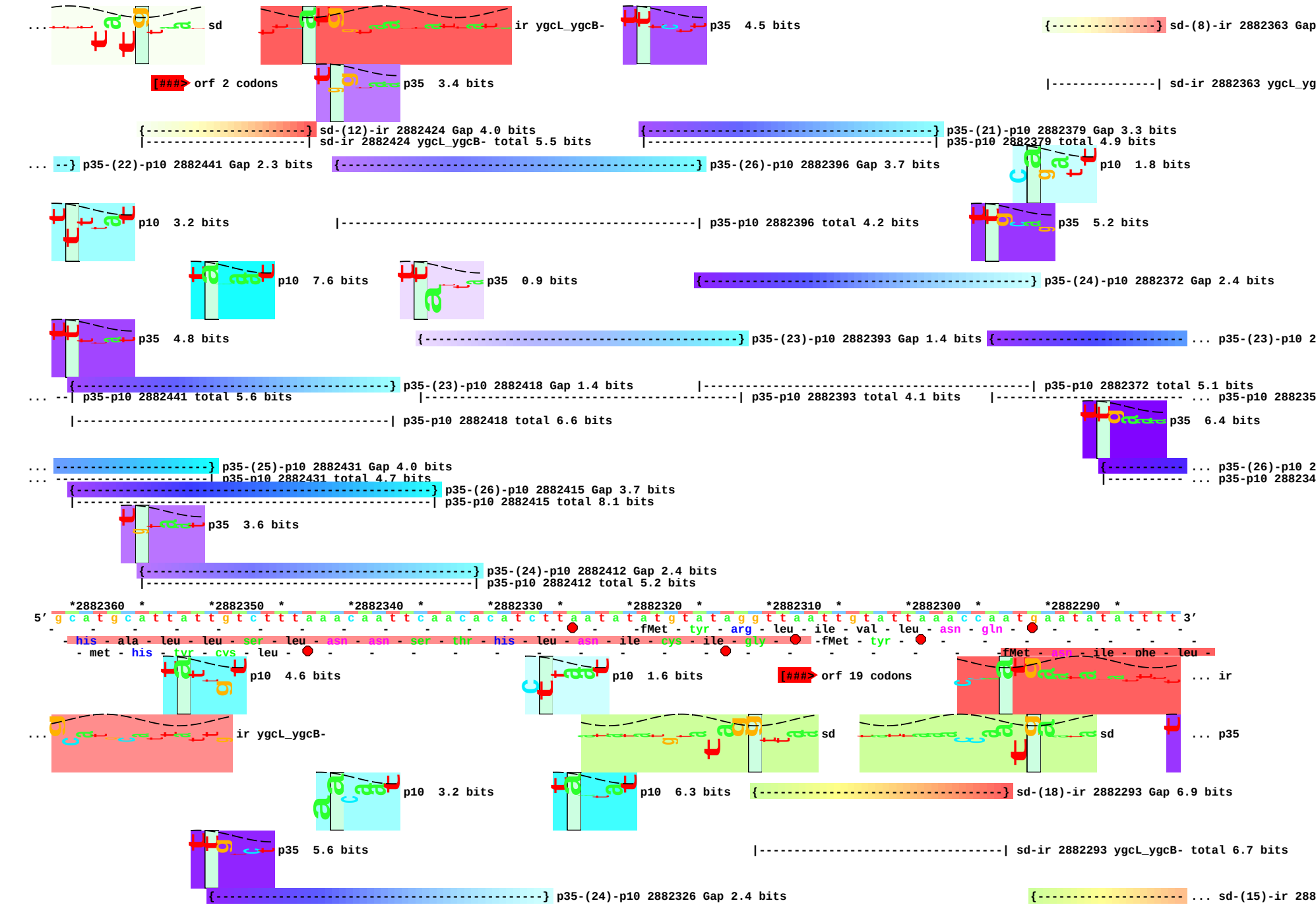
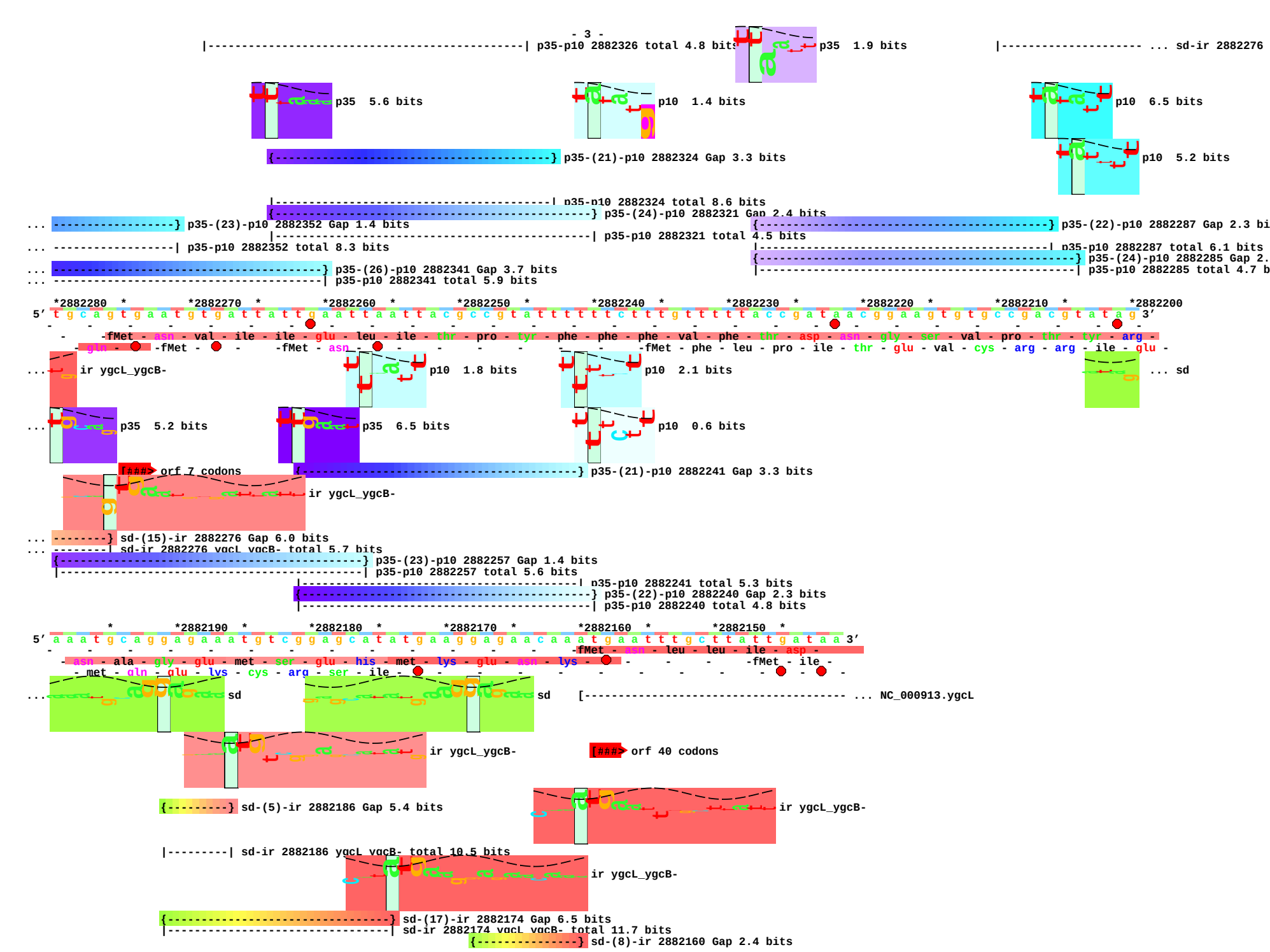
piece 1, NC_000913, ygcL_ygcB-, config: linear, direction: -, begin: 2882604, end: 2882141


... sd
ir ygcL_ygcB-
p35 4.5 bits
{----------} sd-(8)-ir 2882363 Gap
[###> orf 2 codons
p35 3.4 bits
|----------| sd-ir 2882363 ygcL_yg
{----------} sd-(12)-ir 2882424 Gap 4.0 bits
|----------| sd-ir 2882424 ygcL_ygcB- total 5.5 bits
{----------} p35-(21)-p10 2882379 Gap 3.3 bits
|----------| p35-p10 2882379 total 4.9 bits
... --} p35-(22)-p10 2882441 Gap 2.3 bits
{----------} p35-(26)-p10 2882396 Gap 3.7 bits
p10 1.8 bits
p10 3.2 bits
|----------| p35-p10 2882396 total 4.2 bits
p35 5.2 bits
p10 7.6 bits
p35 0.9 bits
{----------} p35-(24)-p10 2882372 Gap 2.4 bits
p35 4.8 bits
{----------} p35-(23)-p10 2882393 Gap 1.4 bits
{---------- ... p35-(23)-p10 2
{----------} p35-(23)-p10 2882418 Gap 1.4 bits
|----------| p35-p10 2882372 total 5.1 bits
... --| p35-p10 2882441 total 5.6 bits
|----------| p35-p10 2882393 total 4.1 bits
|---------- ... p35-p10 288235
|----------| p35-p10 2882418 total 6.6 bits
p35 6.4 bits
... ----------} p35-(25)-p10 2882431 Gap 4.0 bits
... ----------| p35-p10 2882431 total 4.7 bits
{---------- ... p35-(26)-p10 2
|---------- ... p35-p10 288234
{----------} p35-(26)-p10 2882415 Gap 3.7 bits
|----------| p35-p10 2882415 total 8.1 bits
p35 3.6 bits
{----------} p35-(24)-p10 2882412 Gap 2.4 bits
|----------| p35-p10 2882412 total 5.2 bits
*2882360 * *2882350 * *2882340 * *2882330 * *2882320 * *2882310 * *2882300 * *2882290 *
5′ g c a t g c a t t a t t g t c t t t a a a c a a t t c a a c a c a t c t t a a t a t a t g t a t a g g t t a a t t g t a t t a a a c c a a t g a a t a t a t t t t 3′
- his - ala - leu - leu - ser - leu - asn - asn - ser - thr - his - leu - asn - ile - cys - ile - gly - -fMet - tyr - arg - leu - ile - val - leu - asn - gln -
- met - his - tyr - cys - leu - -fMet - tyr - -fMet - asn - ile - phe - leu -
p10 4.6 bits
p10 1.6 bits
[###> orf 19 codons
... ir
... ir ygcL_ygcB-
sd
sd
... p35
p10 3.2 bits
p10 6.3 bits
{----------} sd-(18)-ir 2882293 Gap 6.9 bits
p35 5.6 bits
|----------| sd-ir 2882293 ygcL_ygcB- total 6.7 bits
{----------} p35-(24)-p10 2882326 Gap 2.4 bits
{---------- ... sd-(15)-ir 288


- 3 -
p35-p10 2882326 total 4.8 bits
p35 1.9 bits
... sd-ir 2882276
p35 5.6 bits
p10 1.4 bits
p10 6.5 bits
p35-(21)-p10 2882324 Gap 3.3 bits
p10 5.2 bits
p35-p10 2882324 total 8.6 bits
p35-(24)-p10 2882321 Gap 2.4 bits
... p35-(23)-p10 2882352 Gap 1.4 bits
p35-(22)-p10 2882287 Gap 2.3 bi
p35-p10 2882321 total 4.5 bits
... p35-p10 2882352 total 8.3 bits
p35-p10 2882287 total 6.1 bits
p35-(24)-p10 2882285 Gap 2.
... p35-(26)-p10 2882341 Gap 3.7 bits
p35-p10 2882285 total 4.7 b
... p35-p10 2882341 total 5.9 bits
*2882280 *2882270 *2882260 *2882250 *2882240 *2882230 *2882220 *2882210 *2882200
5' t g c a g t g a a t g t g a t t a t t g a a t t a a t t a c g c c g t a t t t t t t c t t t g t t t t t a c c g a t a a c g g a a g t g t g c c g a c g t a t a g 3'
fMet - asn - val - ile - ile - glu - leu - ile - thr - pro - tyr - phe - phe - phe - val - phe - thr - asp - asn - gly - ser - val - pro - thr - tyr - arg -
gln - fMet - fMet - fMet - asn - fMet - phe - leu - pro - ile - thr - glu - val - cys - arg - arg - ile - glu -
... ir ygcL_ygcB-
p10 1.8 bits
p10 2.1 bits
... sd
... p35 5.2 bits
p35 6.5 bits
p10 0.6 bits
[###> orf 7 codons
p35-(21)-p10 2882241 Gap 3.3 bits
ir ygcL_ygcB-
... sd-(15)-ir 2882276 Gap 6.0 bits
... sd-ir 2882276 ygcL_ygcB- total 5.7 bits
p35-(23)-p10 2882257 Gap 1.4 bits
p35-p10 2882257 total 5.6 bits
p35-p10 2882241 total 5.3 bits
p35-(22)-p10 2882240 Gap 2.3 bits
p35-p10 2882240 total 4.8 bits
*2882190 *2882180 *2882170 *2882160 *2882150 *
5' a a a t g c a g g a g a a a t g t c g g a g c a t a t g a a g g a g a a c a a a t g a a t t t g c t t a t t g a t a a 3'
fMet - asn - leu - leu - ile - asp -
asn - ala - gly - glu - met - ser - glu - his - met - lys - glu - asn - lys - fMet - ile -
met - gln - glu - lys - cys - arg - ser - ile -
... sd
sd
[---------- ... NC_000913.ygcL
ir ygcL_ygcB-
[###> orf 40 codons
{---------} sd-(5)-ir 2882186 Gap 5.4 bits
ir ygcL_ygcB-
|---------| sd-ir 2882186 ygcL_ygcB- total 10.5 bits
ir ygcL_ygcB-
sd-(17)-ir 2882174 Gap 6.5 bits
sd-ir 2882174 ygcL_ygcB- total 11.7 bits
sd-(8)-ir 2882160 Gap 2.4 bits

|---------------| sd-ir 2882160 ygcL_ygcB- total 15.0 bits