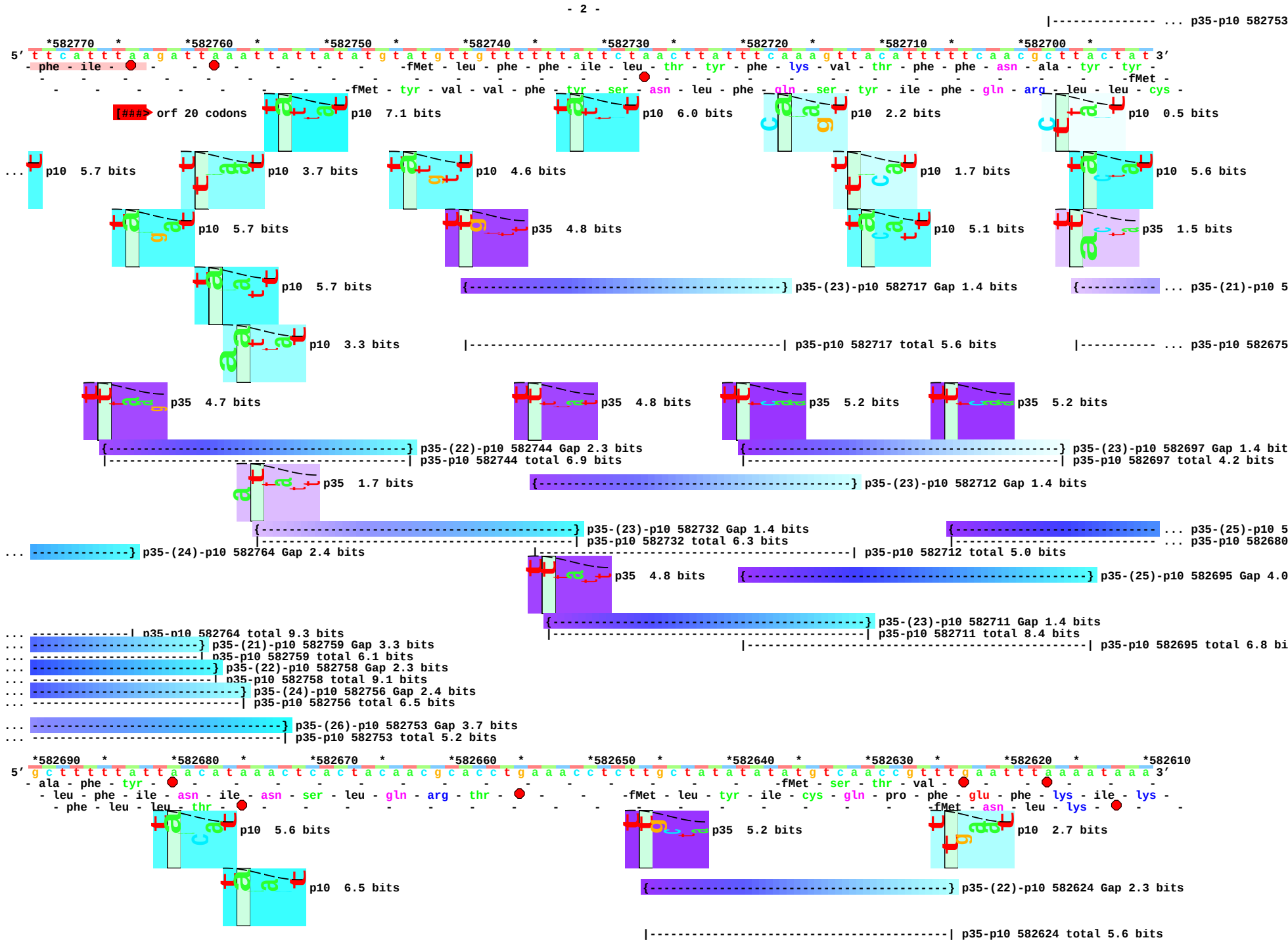
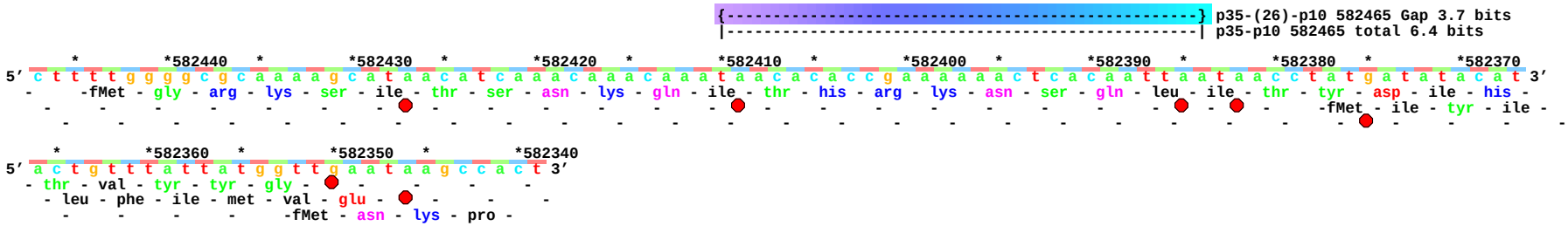
piece 1, NC_000913, ylcE_appY-, config: linear, direction: -, begin: 582933, end: 582339
*582930 *582920 *582910 *582900 *582890 *582880 *582870 *582860 *
5' g a t g a a a a c t a c g g a g c a a a c a t a a t c c a t c t t g c a c c t a t c a t a a a a t t a a a a c a a g t t g a t a g t a g t c a a a t a a c a a c c 3'
- asp - glu - asn - tyr - gly - ala - asn - ile - ile - his - leu - ala - pro - ile - ile - lys - leu - lys - gln - val - asp - ser - ser - gln - ile - thr - thr -
- met - lys - thr - thr - glu - gln - thr - -fMet - his - leu - ser - -fMet - ile - val - val - lys -
... ----------] NC_000913.appY
p10 0.9 bits
p35 4.7 bits
p35 5.6 bits
{----------} p35-(23)-p10 582878 Gap 1.4 bits
|----------| p35-p10 582878 total 4.1 bits
{---------- ... p35-(25)-p10 58284
|---------- ... p35-p10 582849 tot
*582850 *582840 *582830 *582820 *582810 *582800 *582790 *582780 *
5' a a t t a a a t a c a c a a t c a t a a t c a g g a t g a t g t g c a t t t a t a t t t t a t a c a c a a a a t t a t a g t t t g c a a a t t t t a a t a a a t 3'
- asn - -fMet - his - leu - tyr - phe - tyr - thr - gln - asn - tyr - ser - leu - gln - ile - leu - ile - asn -
- -fMet - met - cys - ile - tyr - ile - phe - ile - his - lys - ile - ile - val - cys - lys - phe -
p10 3.7 bits
ir ylcE_appY-
p10 5.9 bits
[###> orf 16 codons
sd
p35 4.7 bits
p10 3.4 bits
... p10
{-------} sd-(4)-ir 582824 Gap 9.3 bits
p10 2.8 bits
|-------| sd-ir 582824 ylcE_appY- total 6.8 bits
p35 1.6 bits
p35 5.7 bits
... ------} p35-(25)-p10 582849 Gap 4.0 bits
ir ylcE_appY-
{----------} p35-(21)-p10 582775 Gap 3.3 b
... ------| p35-p10 582849 total 5.3 bits
{----------} sd-(6)-ir 582822 Gap 4.3 bits
|----------| p35-p10 582775 total 4.0 bits
|----------| sd-ir 582822 ylcE_appY- total 7.6 bits
p35 6.1 bits
{----------} p35-(22)-p10 582794 Gap 2.3 bits
|----------| p35-p10 582794 total 8.2 bits
{----------} p35-(24)-p10 582792 Gap 2.4 bits
|----------| p35-p10 582792 total 5.7 bits
p35 4.7 bits
{---------- ... p35-(24)-p10 58276
{----------} p35-(23)-p10 582785 Gap 1.4 bits
|----------| p35-p10 582785 total 6.1 bits
|---------- ... p35-p10 582764 tot
{---------- ... p35-(21)-p10 58275
|---------- ... p35-p10 582759 tot
{---------- ... p35-(22)-p10 58275
|---------- ... p35-p10 582758 tot
{---------- ... p35-(24)-p10 58275
|---------- ... p35-p10 582756 tot
p35 1.8 bits
{---------- ... p35-(26)-p10 58275


|-------------- ... p35-p10 582753
*582770 * *582760 * *582750 * *582740 * *582730 * *582720 * *582710 * *582700 *
5′ t t c a t t t a a g a t t a a a t t a t t a t a t g t a t g t t g t t t t t a t t c t a a c t t a t t t c a a a g t t a c a t t t t t c a a c g c t t a c t a t 3′
- phe - ile - - - - - - - - - -fMet - leu - phe - phe - ile - leu - thr - tyr - phe - lys - val - thr - phe - phe - asn - ala - tyr - tyr -
- - - - - - - - - -

... } p35-(21)-p10 582675 Gap 3.3 bits
... | p35-p10 582675 total 4.7 bits
... } p35-(25)-p10 582680 Gap 4.0 bits
... | p35-p10 582680 total 6.8 bits
p35 0.6 bits
p10 7.6 bits
} p35-(23)-p10 582617 Gap 1.4 bits
| p35-p10 582617 total 6.8 bits
p35 6.5 bits
... p35-(21)-p10 5
... p35-p10 582603
... p35-(24)-p10 5
... p35-p10 582600
p35 5.6 bits
... p35-(23)-p10 5
... p35-p10 582596
*582600 *582590 *582580 *582570 *582560 *582550 *582540 *582530
5' a a g a g t a t c a t t t t t a c t t g c a t t t c t t a t c a a g t c a c a t t c a a c a a c a g t a a a a a a a a c a t t a t t a g a a c c a t t c a a t t a a 3'
- arg - val - ser - phe - leu - leu - ala - phe - leu - ile - lys - ser - his - ser - thr - thr - val - lys - lys - his - tyr -
-fMet - his - phe - leu - ser - ser - his - ile - gln - gln - gln -
p10 6.3 bits
p10 2.2 bits
p10 2.3 bits
p10 3.4 bits
p35 5.7 bits
} p35-(23)-p10 582573 Gap 1.4 bits
| p35-p10 582573 total 6.4 bits
... } p35-(21)-p10 582603 Gap 3.3 bits
... | p35-p10 582603 total 9.6 bits
... } p35-(24)-p10 582600 Gap 2.4 bits
... | p35-p10 582600 total 6.4 bits
... } p35-(23)-p10 582596 Gap 1.4 bits
... | p35-p10 582596 total 7.5 bits
*582520 *582510 *582500 *582490 *582480 *582470 *582460 *582450
5' c a a a a a a c c a a c a t c c a g c t t g c t t a a t t t t t c t t t a t t a a a c g a t a t t g a a a a t c a a t t g a t a a a a t a c a t c t a a a c a a c 3'
-fMet - leu - asn - phe - ser - leu - leu - asn - asp - ile - glu - asn - gln - leu - ile - lys - tyr - ile -
-fMet - lys - ile - asn -
p35 5.3 bits
p10 2.4 bits
p10 7.6 bits
} p35-(24)-p10 582484 Gap 2.4 bits
| p35-p10 582484 total 5.4 bits
p35 4.8 bits
p10 3.6 bits
} p35-(21)-p10 582478 Gap 3.3 bits
| p35-p10 582478 total 5.0 bits
p35 2.5 bits


{----------} p35-(26)-p10 582465 Gap 3.7 bits
|----------| p35-p10 582465 total 6.4 bits
* *582440 * *582430 * *582420 * *582410 * *582400 * *582390 * *582380 * *582370
5’ c t t t t g g g g c g c a a a a g c a t a a c a t c a a a c a a a c a a a t a a c a c a c c g a a a a a a a c t c a c a a t t a a t a a c c t a t g a t a t a c a t 3’
- -fMet - gly - arg - lys - ser - ile - thr - ser - asn - lys - gln - ile - thr - his - arg - lys - asn - ser - gln - leu - ile - thr - tyr - asp - ile - his -
- - - -