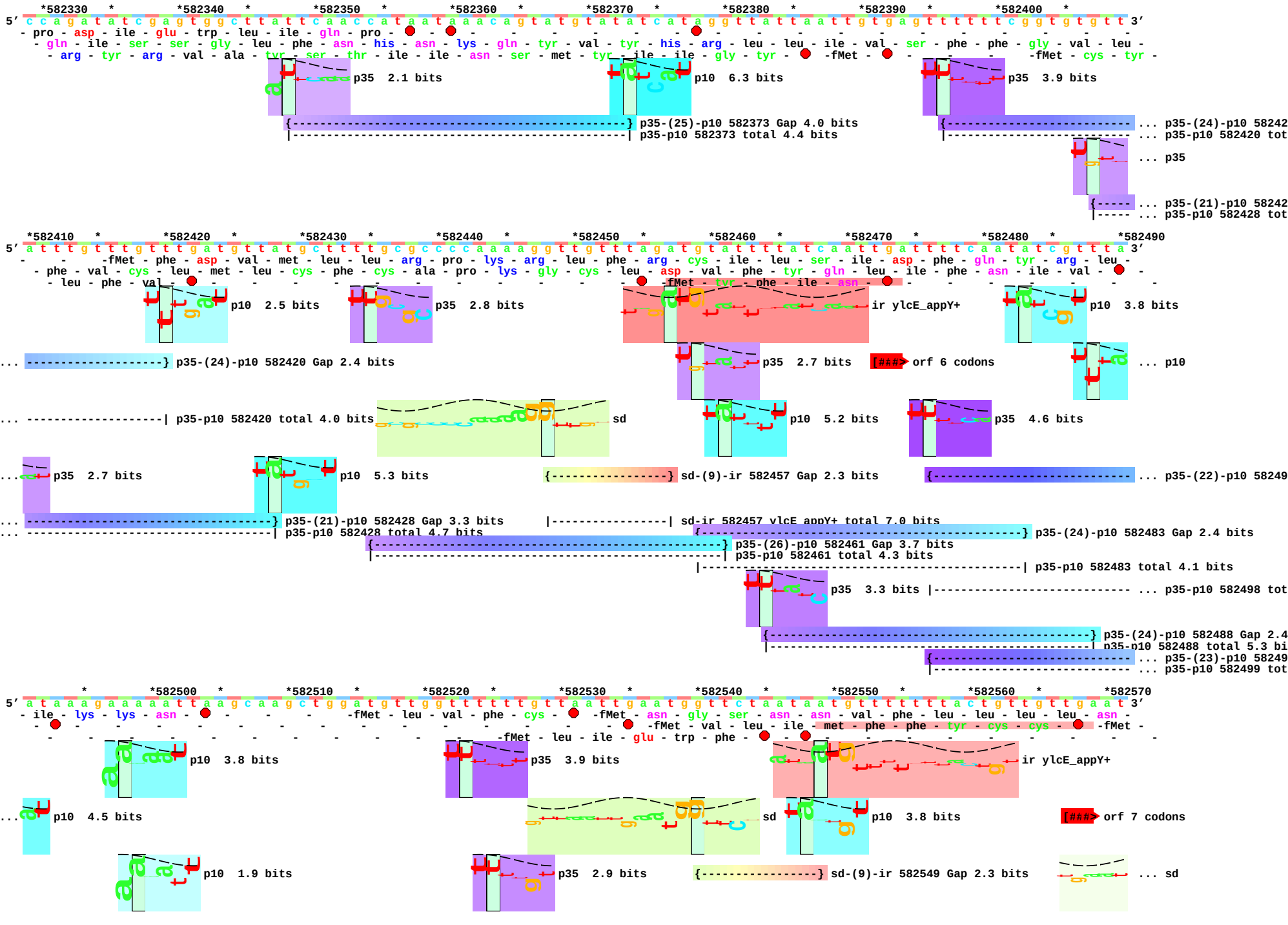
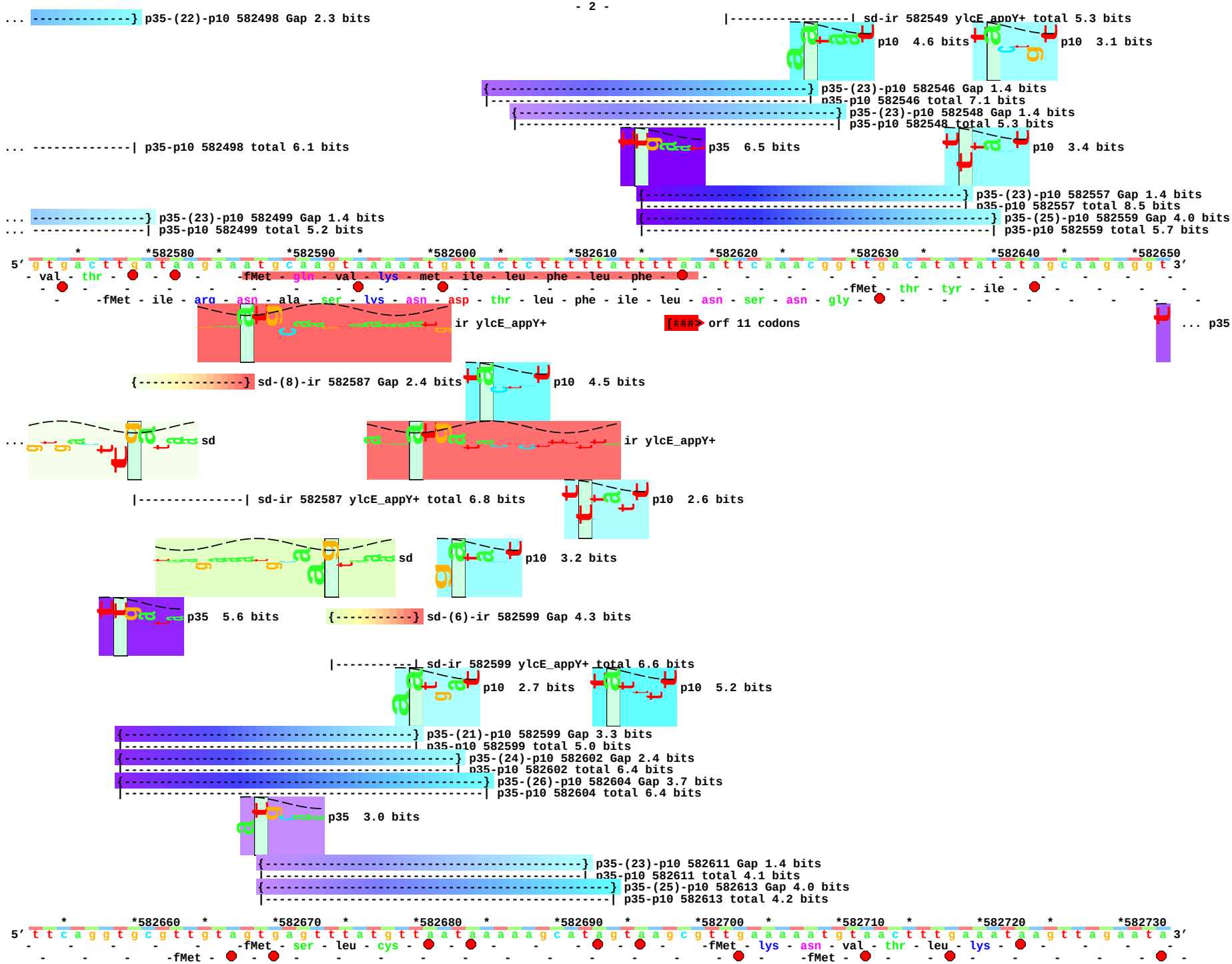
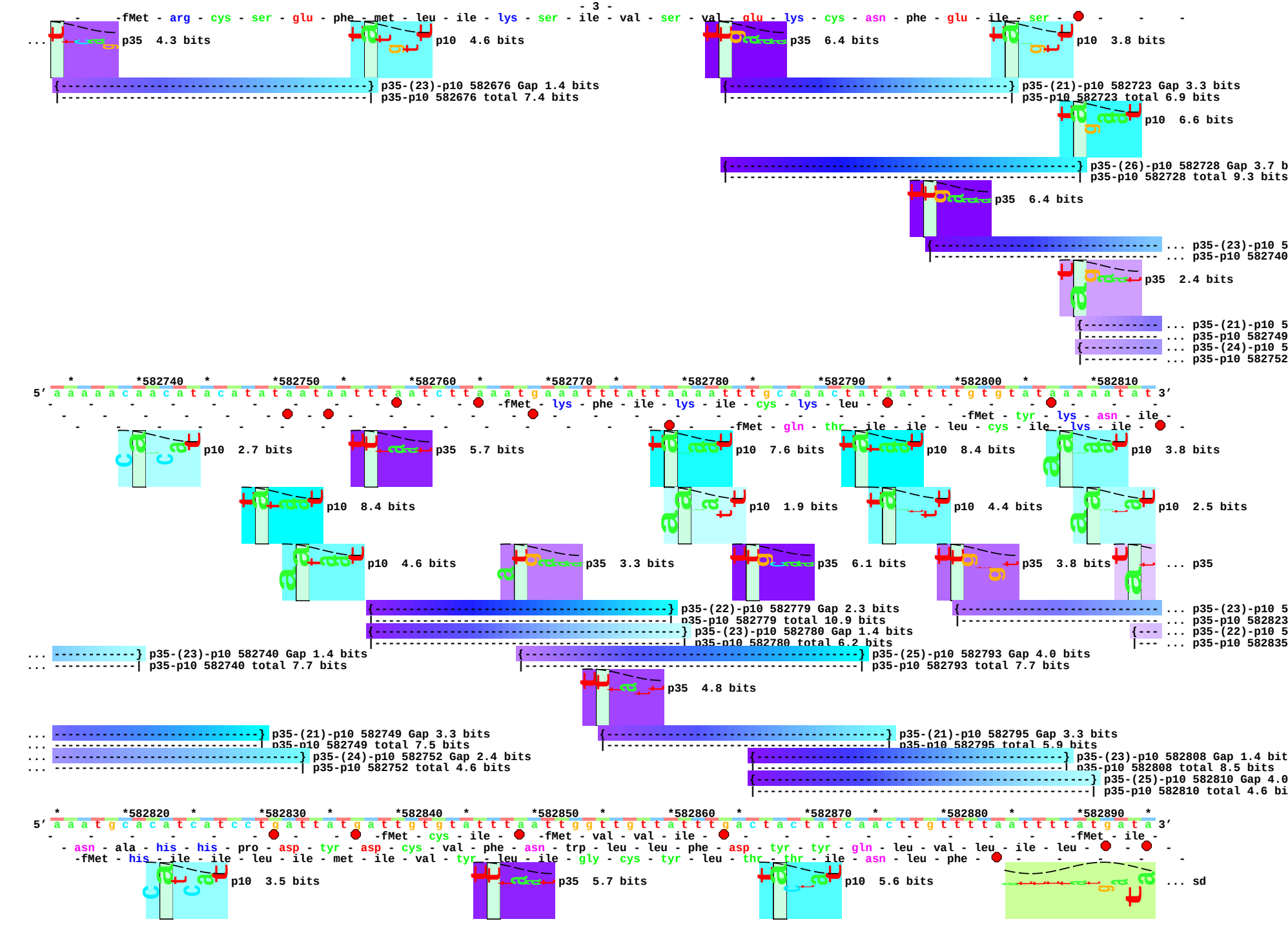
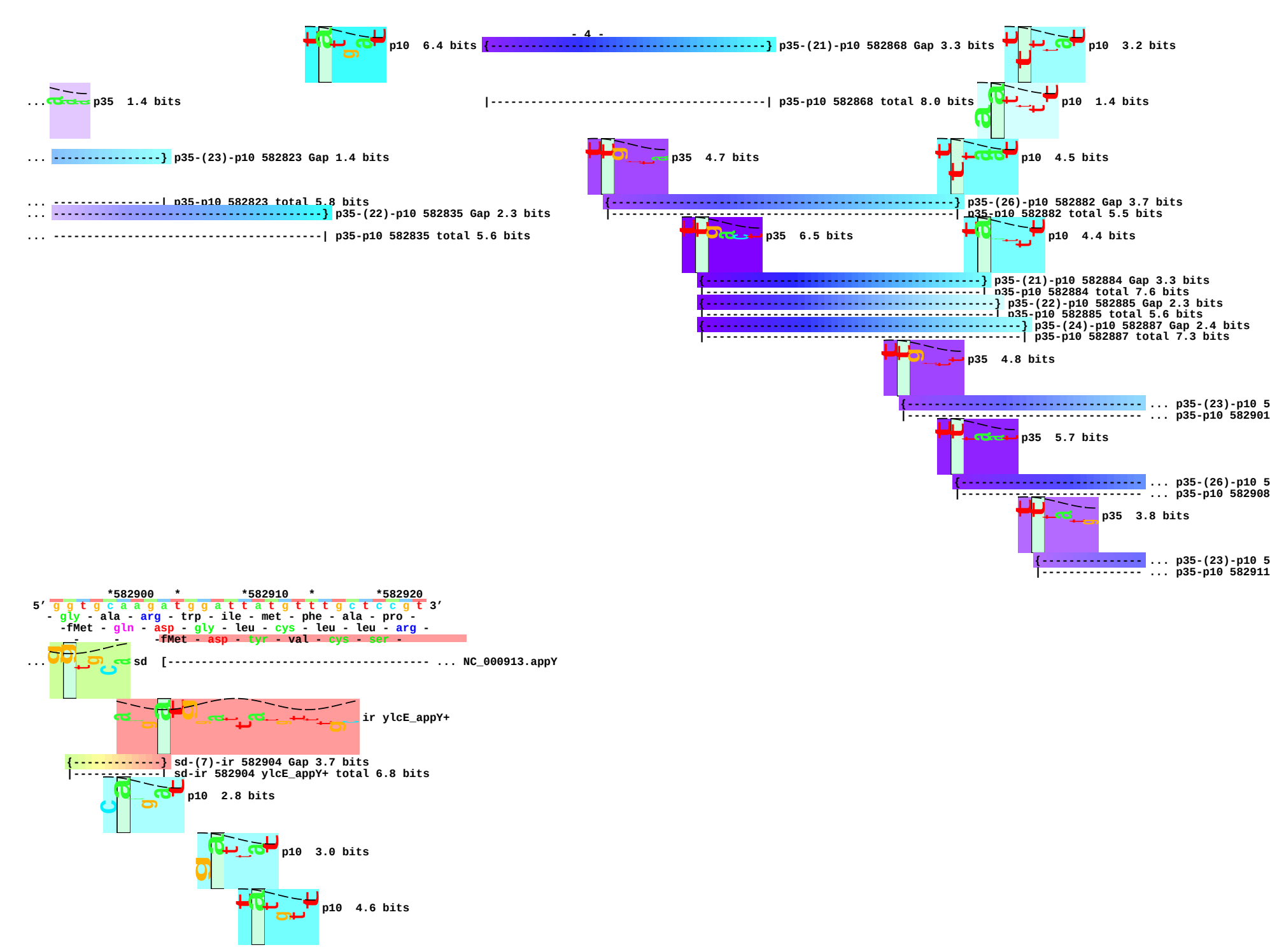
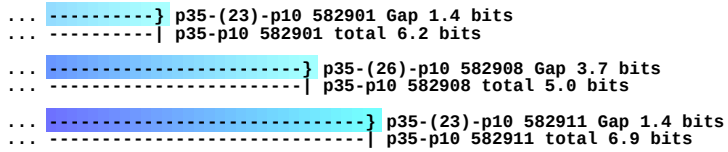
piece 1, NC_000913, ylcE_appY+, config: linear, direction: +, begin: 582329, end: 582923




... } p35-(22)-p10 582498 Gap 2.3 bits
| sd-ir 582549 ylcE_appY+ total 5.3 bits
p10 4.6 bits
p10 3.1 bits
} p35-(23)-p10 582546 Gap 1.4 bits
| p35-p10 582546 total 7.1 bits
} p35-(23)-p10 582548 Gap 1.4 bits
| p35-p10 582548 total 5.3 bits
... | p35-p10 582498 total 6.1 bits
p35 6.5 bits
p10 3.4 bits
} p35-(23)-p10 582557 Gap 1.4 bits
| p35-p10 582557 total 8.5 bits
... } p35-(23)-p10 582499 Gap 1.4 bits
} p35-(25)-p10 582559 Gap 4.0 bits
... | p35-p10 582499 total 5.2 bits
| p35-p10 582559 total 5.7 bits
*582580 *582590 *582600 *582610 *582620 *582630 *582640 *582650
5′ g t g a c t t g a t a a g a a a t g c a a g t a a a a a t g a t a c t c t t t t t a t t t t a a a t t c a a a c g g t t g a c a t a t a t a t a g c a a g a g g t 3′
- val - thr - -fMet - gln - val - lys - met - ile - leu - phe - leu - phe -
-fMet - thr - tyr - ile -
-fMet - ile - arg - asn - ala - ser - lys - asn - asp - thr - leu - phe - ile - leu - asn - ser - asn - gly -
ir ylcE_appY+
[###> orf 11 codons
... p35
} sd-(8)-ir 582587 Gap 2.4 bits
p10 4.5 bits
... sd
ir ylcE_appY+
| sd-ir 582587 ylcE_appY+ total 6.8 bits
p10 2.6 bits
sd
p10 3.2 bits
p35 5.6 bits
} sd-(6)-ir 582599 Gap 4.3 bits
| sd-ir 582599 ylcE_appY+ total 6.6 bits
p10 2.7 bits
p10 5.2 bits
} p35-(21)-p10 582599 Gap 3.3 bits
| p35-p10 582599 total 5.0 bits
} p35-(24)-p10 582602 Gap 2.4 bits
| p35-p10 582602 total 6.4 bits
} p35-(26)-p10 582604 Gap 3.7 bits
| p35-p10 582604 total 6.4 bits
p35 3.0 bits
} p35-(23)-p10 582611 Gap 1.4 bits
| p35-p10 582611 total 4.1 bits
} p35-(25)-p10 582613 Gap 4.0 bits
| p35-p10 582613 total 4.2 bits
*582660 *582670 *582680 *582690 *582700 *582710 *582720 *582730
5′ t t c a g g t g c g t t g t a g t g a g t t t a t g t t a a t a a a a a g c a t a g t a a g c g t t g a a a a a t g t a a c t t t g a a a t a a g t t a g a a t a 3′
-fMet - ser - leu - cys -
-fMet - lys - asn - val - thr - leu - lys -
-fMet -
-fMet -


-fMet - arg - cys - ser - glu - phe - met - leu - ile - lys - ser - ile - val - ser - val - glu - lys - cys - asn - phe - glu - ile - ser -
p35 4.3 bits
p10 4.6 bits
p35-(23)-p10 582676 Gap 1.4 bits
p35-p10 582676 total 7.4 bits
p35 6.4 bits
p10 3.8 bits
p35-(21)-p10 582723 Gap 3.3 bits
p35-p10 582723 total 6.9 bits
p10 6.6 bits
p35-(26)-p10 582728 Gap 3.7 b
p35-p10 582728 total 9.3 bits
p35 6.4 bits
p35 2.4 bits
582740
582750
582760
582770
582780
582790
582800
582810
5′ a a a a a c a a c a t a c a t a t a a t a a t t t a a t c t t a a a t g a a a t t t a t t a a a a t t t g c a a a c t a t a a t t t t g t g t a t a a a a a t a t 3′
-fMet - lys - phe - ile - lys - ile - cys - lys - leu -
-fMet - tyr - lys - asn - ile -
-fMet - gln - thr - ile - ile - leu - cys - ile - lys - ile -
p10 2.7 bits
p35 5.7 bits
p10 7.6 bits
p10 8.4 bits
p10 3.8 bits
p10 8.4 bits
p10 1.9 bits
p10 4.4 bits
p10 2.5 bits
p10 4.6 bits
p35 3.3 bits
p35 6.1 bits
p35 3.8 bits
p35-(22)-p10 582779 Gap 2.3 bits
p35-p10 582779 total 10.9 bits
p35-(23)-p10 582780 Gap 1.4 bits
p35-p10 582780 total 6.2 bits
p35-(23)-p10 582740 Gap 1.4 bits
p35-p10 582740 total 7.7 bits
p35-(25)-p10 582793 Gap 4.0 bits
p35-p10 582793 total 7.7 bits
p35 4.8 bits
p35-(21)-p10 582749 Gap 3.3 bits
p35-p10 582749 total 7.5 bits
p35-(24)-p10 582752 Gap 2.4 bits
p35-p10 582752 total 4.6 bits
p35-(21)-p10 582795 Gap 3.3 bits
p35-p10 582795 total 5.9 bits
p35-(23)-p10 582808 Gap 1.4 bit
p35-p10 582808 total 8.5 bits
p35-(25)-p10 582810 Gap 4.0
p35-p10 582810 total 4.6 bi
582820
582830
582840
582850
582860
582870
582880
582890
5′ a a a t g c a c a t c a t c c t g a t t a t g a t t g t g t a t t t a a t t g g t t g t t a t t t g a c t a c t a t c a a c t t g t t t t a a t t t t a t g a t a 3′
-fMet - cys - ile -
-fMet - val - val - ile -
-fMet - ile -
- asn - ala - his - his - pro - asp - tyr - asp - cys - val - phe - asn - trp - leu - leu - phe - asp - tyr - tyr - gln - leu - val - leu - ile - leu -
-fMet - his - ile - ile - leu - ile - met - ile - val - tyr - leu - ile - gly - cys - tyr - leu - thr - thr - ile - asn - leu - phe -
p10 3.5 bits
p35 5.7 bits
p10 5.6 bits
sd


- 4 -
p10 6.4 bits
p35-(21)-p10 582868 Gap 3.3 bits
p10 3.2 bits
p35 1.4 bits
p35-p10 582868 total 8.0 bits
p10 1.4 bits
p35-(23)-p10 582823 Gap 1.4 bits
p35 4.7 bits
p10 4.5 bits
p35-p10 582823 total 5.8 bits
p35-(22)-p10 582835 Gap 2.3 bits
p35-(26)-p10 582882 Gap 3.7 bits
p35-p10 582882 total 5.5 bits
p35-p10 582835 total 5.6 bits
p35 6.5 bits
p10 4.4 bits
p35-(21)-p10 582884 Gap 3.3 bits
p35-p10 582884 total 7.6 bits
p35-(22)-p10 582885 Gap 2.3 bits
p35-p10 582885 total 5.6 bits
p35-(24)-p10 582887 Gap 2.4 bits
p35-p10 582887 total 7.3 bits
p35 4.8 bits
... p35-(23)-p10 5
... p35-p10 582901
p35 5.7 bits
... p35-(26)-p10 5
... p35-p10 582908
p35 3.8 bits
... p35-(23)-p10 5
... p35-p10 582911
*582900
*582910
*582920
5′ g g t g c a a g a t g g a t t a t g t t t g c t c c g t 3′
- gly - ala - arg - trp - ile - met - phe - ala - pro -
-fMet - gln - asp - gly - leu - cys - leu - leu - arg -
-fMet - asp - tyr - val - cys - ser -
sd [------------------------------------ ... NC_000913.appY
ir ylcE_appY+
sd-(7)-ir 582904 Gap 3.7 bits
sd-ir 582904 ylcE_appY+ total 6.8 bits
p10 2.8 bits
p10 3.0 bits
p10 4.6 bits


... ----------} p35-(23)-p10 582901 Gap 1.4 bits
... ----------| p35-p10 582901 total 6.2 bits
... ----------------------} p35-(26)-p10 582908 Gap 3.7 bits
... ----------------------| p35-p10 582908 total 5.0 bits
... ----------------------------} p35-(23)-p10 582911 Gap 1.4 bits
... ----------------------------| p35-p10 582911 total 6.9 bits