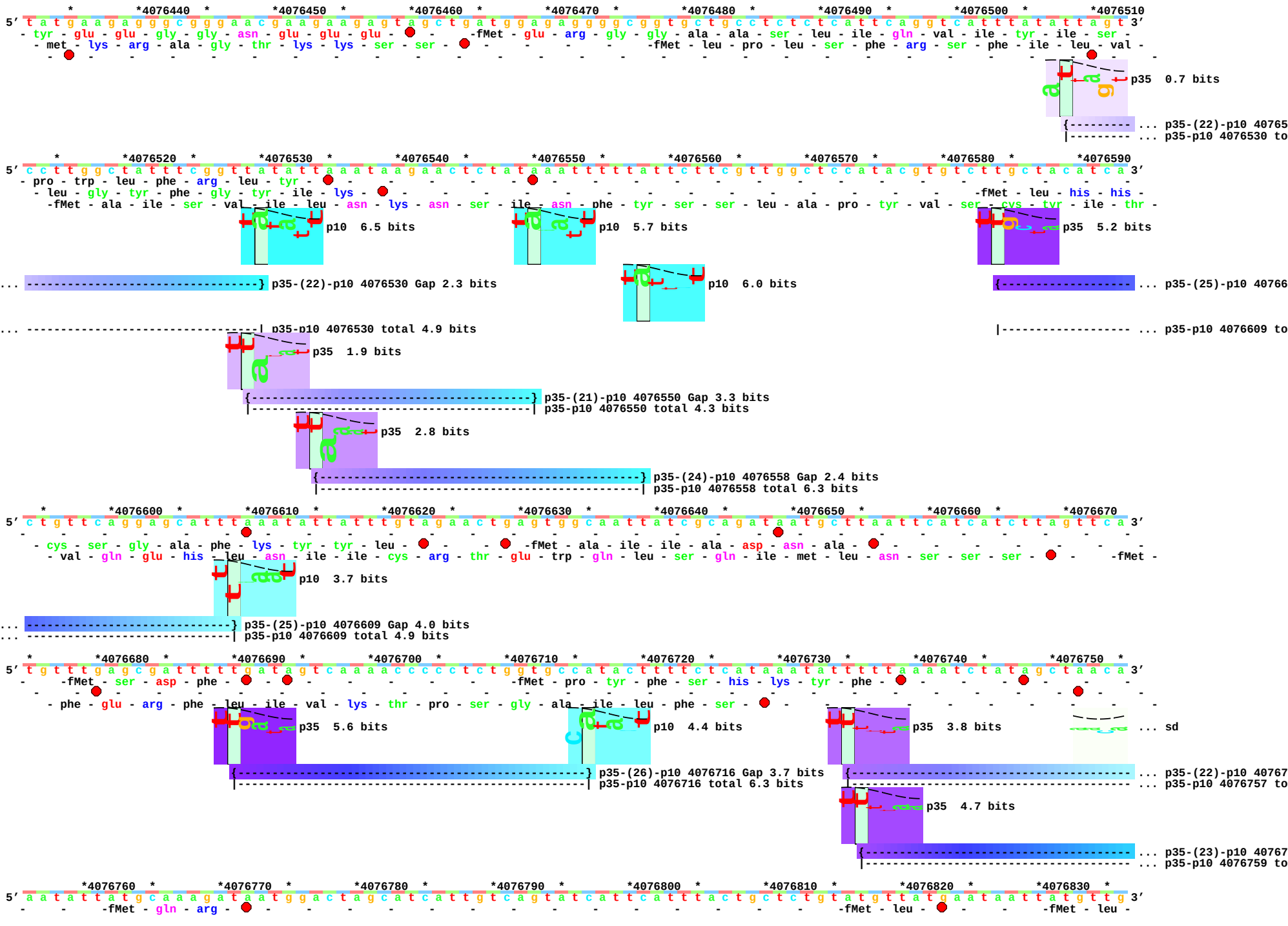
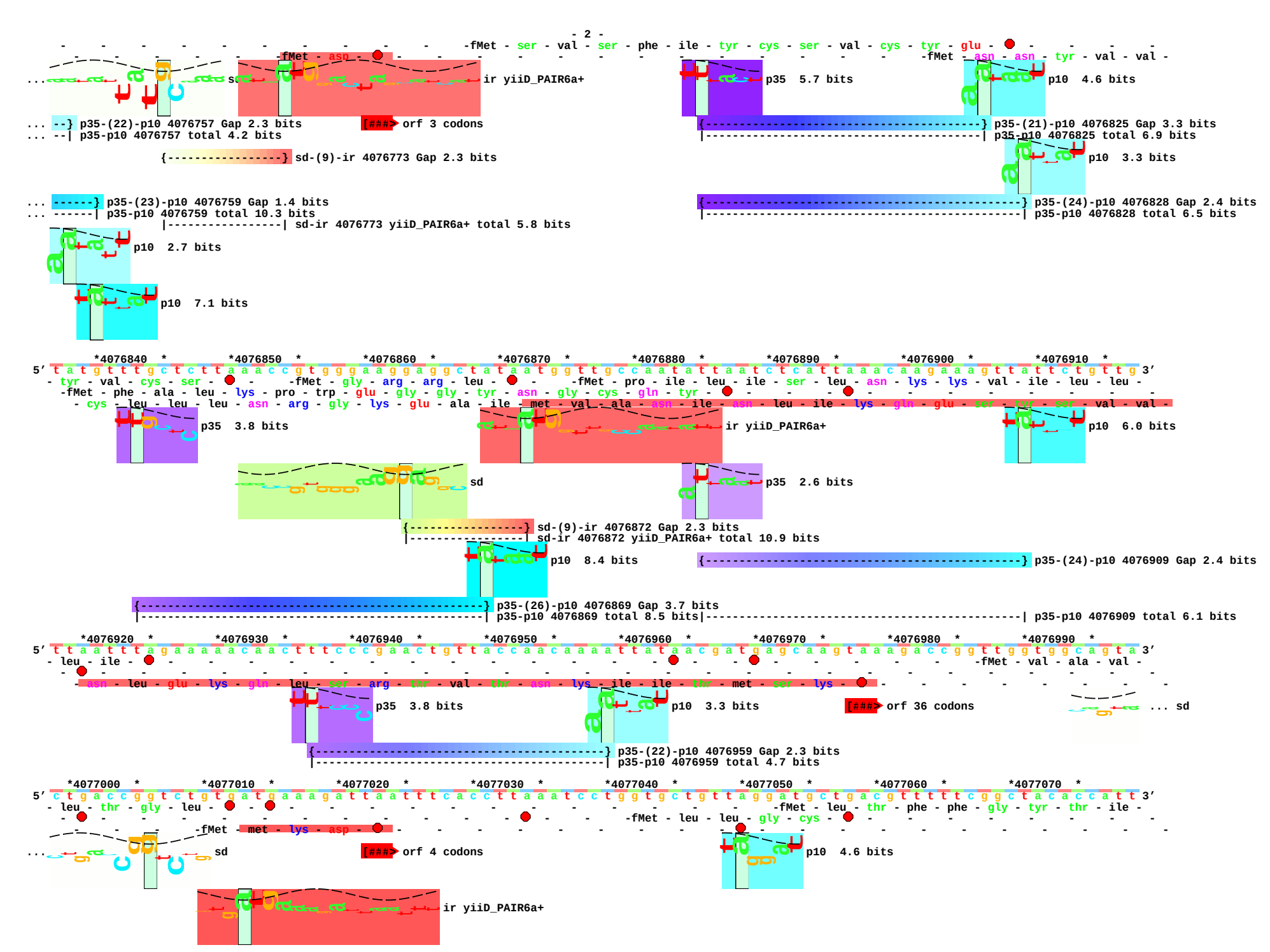
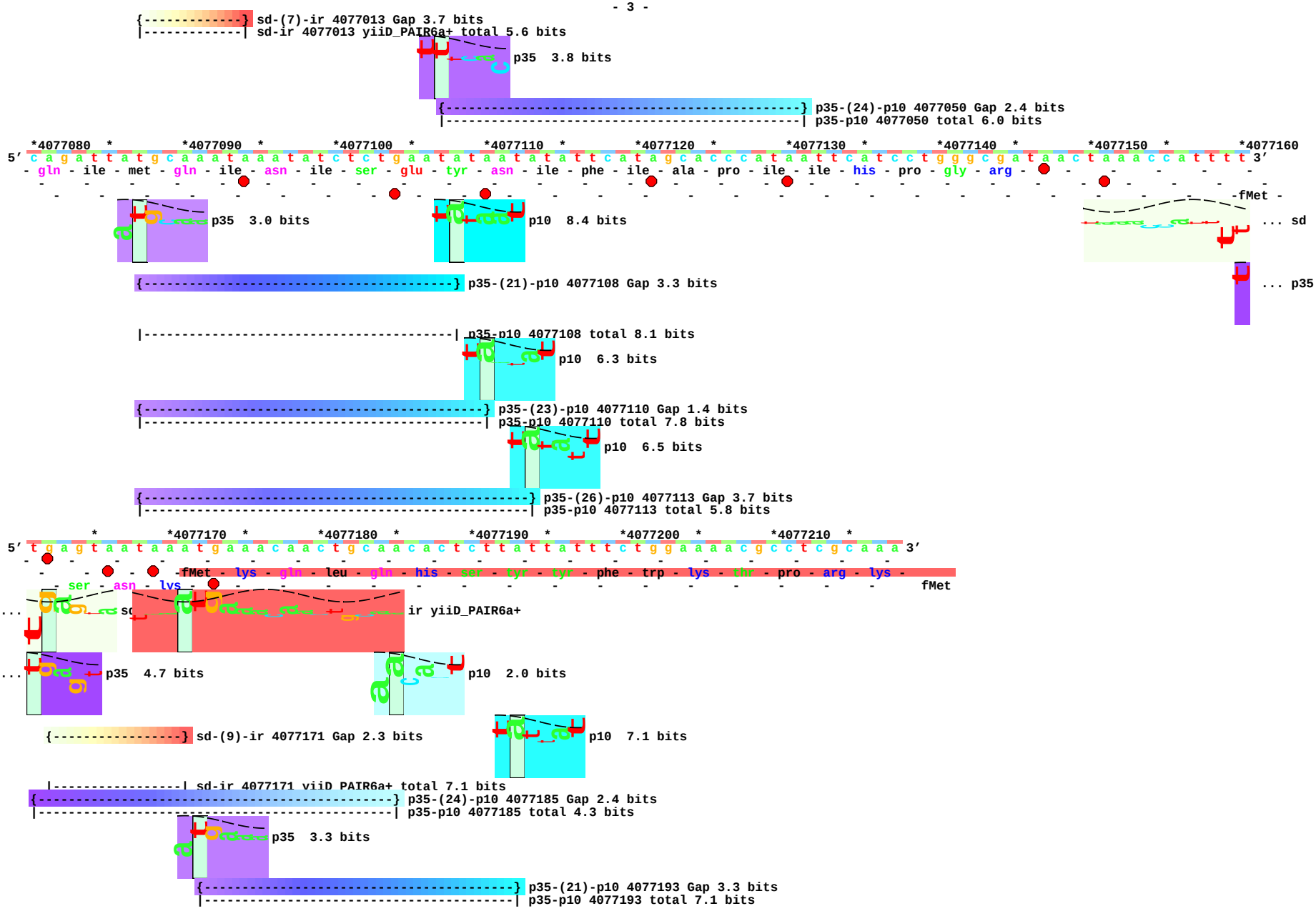
piece 1, NC_000913, yiiD_PAIR6a+, config: linear, direction: +, begin: 4076432, end: 4077218


*4076440 *4076450 *4076460 *4076470 *4076480 *4076490 *4076500 *4076510
5′ t a t g a a g a g g g c g g g a a c g a a g a a a g a g t a g c t g a t g g a g a g g g g c g g t g c t g c c t c t c t c a t t c a g g t c a t t t a t a t t a g t 3′
- tyr - glu - glu - gly - gly - asn - glu - glu - glu - - -fMet - glu - arg - gly - gly - ala - ala - ser - leu - ile - gln - val - ile - tyr - ile - ser -
- met - lys - arg - ala - gly - thr - lys - lys - ser - ser - -fMet - leu - pro - leu - ser - phe - arg - ser - phe - ile - leu - val -
p35 0.7 bits
{--------- ... p35-(22)-p10 40765
|--------- ... p35-p10 4076530 to
*4076520 *4076530 *4076540 *4076550 *4076560 *4076570 *4076580 *4076590
5′ c c t t g g c t a t t t c g g t t a t a t t a a a t a a g a a c t c t a t a a a t t t t a t t c t t c g t t g g c t c c a t a c g t g t c t t g c t a c a t c a 3′
- pro - trp - leu - phe - arg - leu - tyr -
- leu - gly - tyr - phe - gly - tyr - ile - lys -fMet - leu - his - his -
-fMet - ala - ile - ser - val - ile - leu - asn - lys - asn - ser - ile - asn - phe - tyr - ser - ser - leu - ala - pro - tyr - val - ser - cys - tyr - ile - thr -
p10 6.5 bits
p10 5.7 bits
p35 5.2 bits
... ----------} p35-(22)-p10 4076530 Gap 2.3 bits
p10 6.0 bits
{---------- ... p35-(25)-p10 40766
... ----------| p35-p10 4076530 total 4.9 bits
|---------- ... p35-p10 4076609 to
p35 1.9 bits
{----------} p35-(21)-p10 4076550 Gap 3.3 bits
|----------| p35-p10 4076550 total 4.3 bits
p35 2.8 bits
{----------} p35-(24)-p10 4076558 Gap 2.4 bits
|----------| p35-p10 4076558 total 6.3 bits
*4076600 *4076610 *4076620 *4076630 *4076640 *4076650 *4076660 *4076670
5′ c t g t t c a g g a g c a t t t a a a t a t t a t t t g t a g a a c t g a g t g g c a a t t a t c g c a g a t a a t g c t t a a t t c a t c a t c t t a g t t c a 3′
- cys - ser - gly - ala - phe - lys - tyr - tyr - leu - - -fMet - ala - ile - ile - ala - asp - asn - ala - - - - - - - - - - - - - - -
- val - gln - glu - his - leu - asn - ile - ile - cys - arg - thr - glu - trp - gln - leu - ser - gln - ile - met - leu - asn - ser - ser - ser - - -fMet -
p10 3.7 bits
... ----------} p35-(25)-p10 4076609 Gap 4.0 bits
... ----------| p35-p10 4076609 total 4.9 bits
*4076680 *4076690 *4076700 *4076710 *4076720 *4076730 *4076740 *4076750
5′ t g t t t g a g c g a t t t t t g a t a g t c a a a a c c c c c t c t g g t g c c a t a c t t t t c t c a t a a a t a t t t t t a a a a t c t a t a g c t a a c a 3′
- -fMet - ser - asp - phe - - - - - - - - - -fMet - pro - tyr - phe - ser - his - lys - tyr - phe - - - - - - - - - - - - - - - - - - -


-fMet - ser - val - ser - phe - ile - tyr - cys - ser - val - cys - tyr - glu -
-fMet - asn - asn - tyr - val - val -
-fMet - asn -
ir yiiD_PAIR6a+
p35 5.7 bits
p10 4.6 bits
} p35-(22)-p10 4076757 Gap 2.3 bits
| p35-p10 4076757 total 4.2 bits
[###> orf 3 codons
} p35-(21)-p10 4076825 Gap 3.3 bits
| p35-p10 4076825 total 6.9 bits
} sd-(9)-ir 4076773 Gap 2.3 bits
p10 3.3 bits
} p35-(23)-p10 4076759 Gap 1.4 bits
| p35-p10 4076759 total 10.3 bits
| sd-ir 4076773 yiiD_PAIR6a+ total 5.8 bits
} p35-(24)-p10 4076828 Gap 2.4 bits
| p35-p10 4076828 total 6.5 bits
p10 2.7 bits
p10 7.1 bits
*4076840 *4076850 *4076860 *4076870 *4076880 *4076890 *4076900 *4076910 *
5′ t a t g t t t g c t c t t a a a c c g t g g g a a g g a g g c t a t a a t g g t t g c c a a t a t t a a t c t c a t t a a a c a a g a a a g t t a t t c t g t t g 3′
- tyr - val - cys - ser - -fMet - gly - arg - arg - leu - -fMet - pro - ile - leu - ile - ser - leu - asn - lys - lys - val - ile - leu - leu -
-fMet - phe - ala - leu - lys - pro - trp - glu - gly - gly - tyr - asn - gly - cys - gln - tyr -
- cys - leu - leu - leu - asn - arg - gly - lys - glu - ala - ile - met - val - ala - asn - ile - asn - leu - ile - lys - gln - glu - ser - tyr - ser - val - val -
p35 3.8 bits
ir yiiD_PAIR6a+
p10 6.0 bits
sd
p35 2.6 bits
} sd-(9)-ir 4076872 Gap 2.3 bits
| sd-ir 4076872 yiiD_PAIR6a+ total 10.9 bits
p10 8.4 bits
} p35-(24)-p10 4076909 Gap 2.4 bits
} p35-(26)-p10 4076869 Gap 3.7 bits
| p35-p10 4076869 total 8.5 bits
| p35-p10 4076909 total 6.1 bits
*4076920 *4076930 *4076940 *4076950 *4076960 *4076970 *4076980 *4076990 *
5′ t t a a t t t a g a a a a a c a a c t t t c c c g a a c t g t t a c c a a c a a a a t t a t a a c g a t g a g c a a g t a a a g a c c g g t t g g t g g c a g t a 3′
- leu - ile - -fMet - val - ala - val -
- asn - leu - glu - lys - gln - leu - ser - arg - thr - val - thr - asn - lys - ile - ile - thr - met - ser - lys -
p35 3.8 bits
p10 3.3 bits
[###> orf 36 codons
... sd
} p35-(22)-p10 4076959 Gap 2.3 bits
| p35-p10 4076959 total 4.7 bits
*4077000 *4077010 *4077020 *4077030 *4077040 *4077050 *4077060 *4077070 *
5′ c t g a c c g g t c t g t g a t g a a a g a t t a a t t t c a c c t t a a a t c c t g g t g c t g t t a g g a t g c t g a c g t t t t t c g g c t a c a c c a t t 3′
- leu - thr - gly - leu - -fMet - leu - leu - gly - cys - -fMet - leu - thr - phe - phe - gly - tyr - thr - ile -
-fMet - met - lys - asp -
sd
[###> orf 4 codons
p10 4.6 bits
ir yiiD_PAIR6a+


{----------} sd-(7)-ir 4077013 Gap 3.7 bits
|----------| sd-ir 4077013 yiiD_PAIR6a+ total 5.6 bits
p35 3.8 bits
{----------} p35-(24)-p10 4077050 Gap 2.4 bits
|----------| p35-p10 4077050 total 6.0 bits
*4077080 *4077090 *4077100 *4077110 *4077120 *4077130 *4077140 *4077150 *4077160
5′ c a g a t t a t g c a a a t a a a t a t c t c t g a a t a t a a t a t a t t c a t a g c a c c c a t a a t t c a t c c t g g g c g a t a a c t a a a c c a t t t t 3′
- gln - ile - met - gln - ile - asn - ile - ser - glu - tyr - asn - ile - phe - ile - ala - pro - ile - ile - his - pro - gly - arg - - -