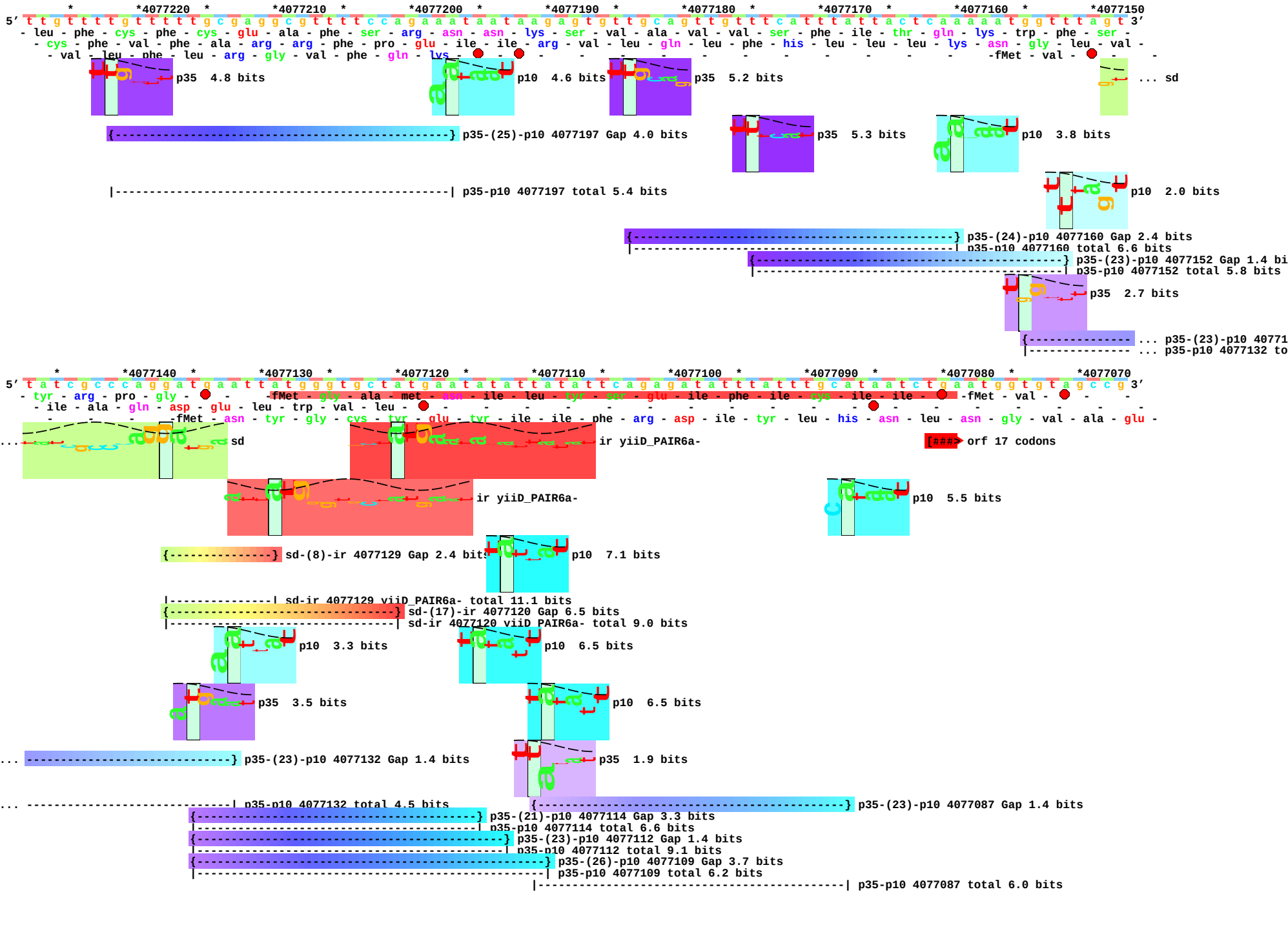
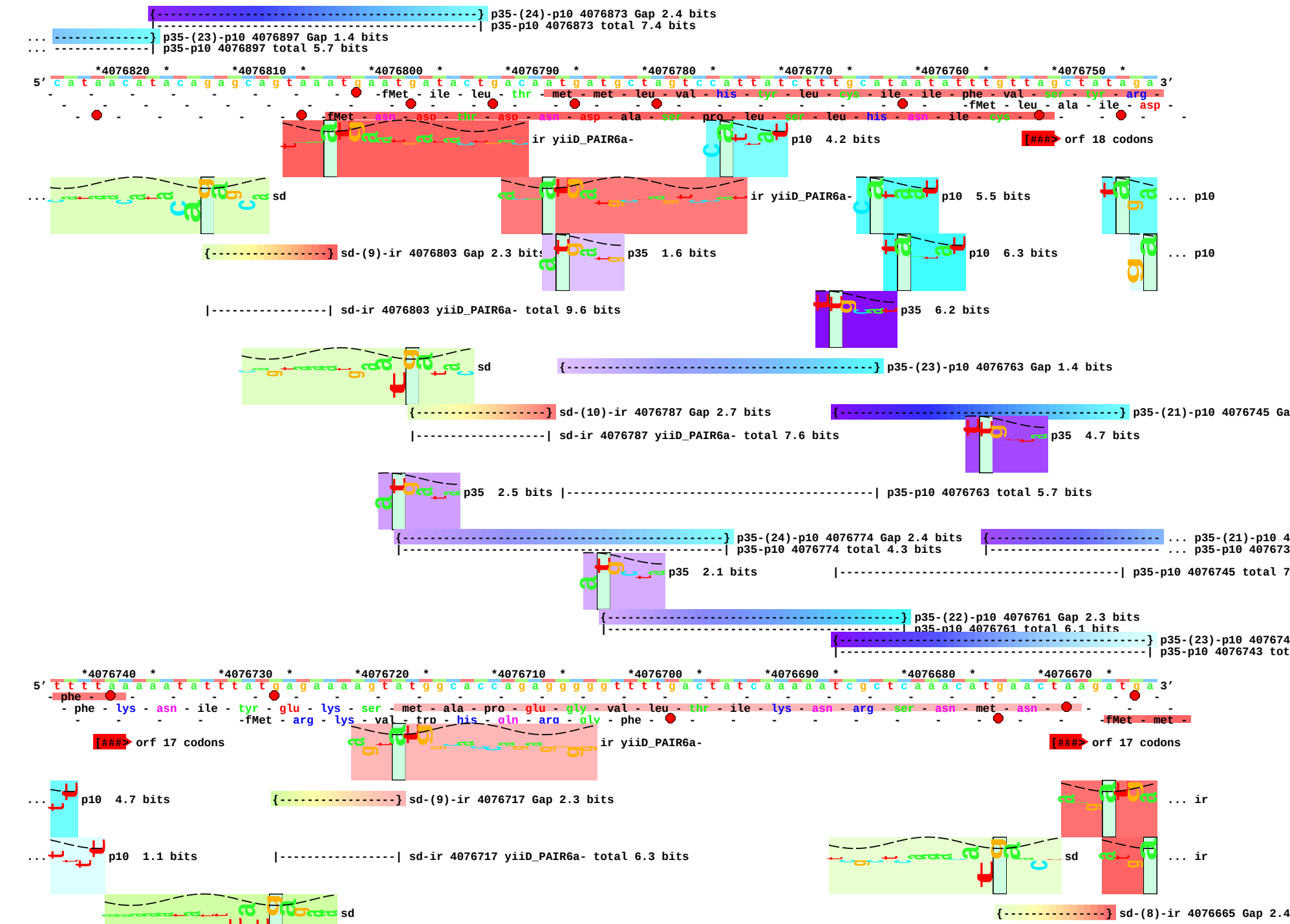
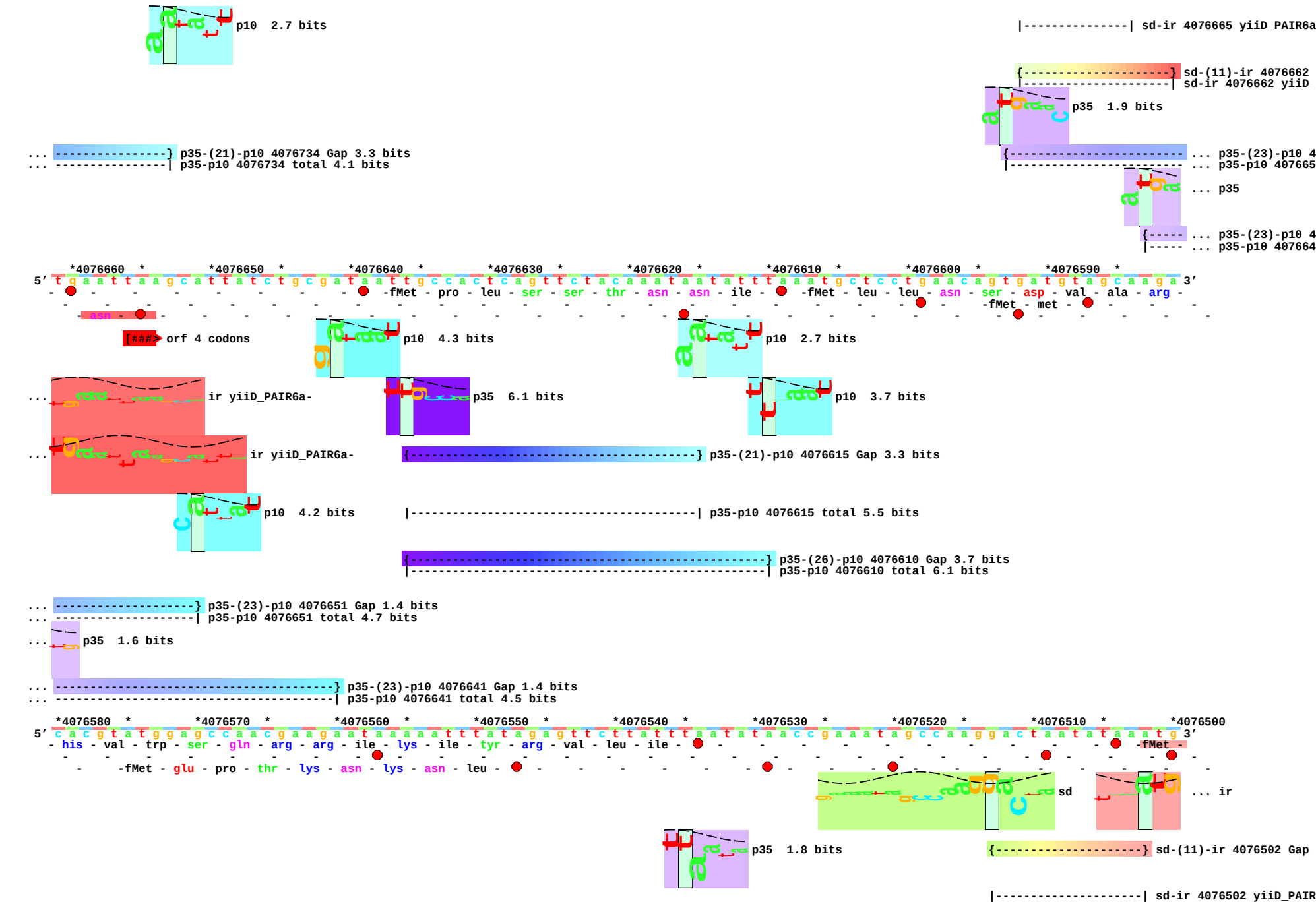
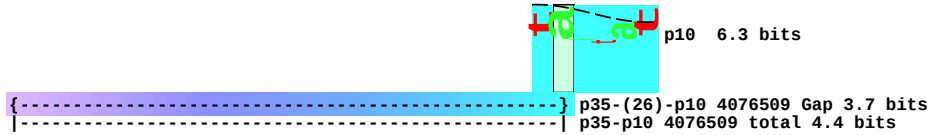
piece 1, NC_000913, yiiD_PAIR6a-, config: linear, direction: -, begin: 4077228, end: 4076442



*4077060 *4077050 *4077040 *4077030 *4077020 *4077010 *4077000 *4076990
5′ a a a a a c g t c a g c a t c c t a a c a g c a c c a g g a t t t a a g g t g a a a t t a a t c t t t c a t c a c a g a c c g g t c a g t a c t g c c a c c a a c 3′
-fMet - lys - leu - ile - phe - his - his - arg - pro - val - ser - thr - ala - thr - asn -
- lys - arg - gln - his - pro - asn - ser - thr - arg - ile -
ir yiiD_PAIR6a-
sd
{----------} sd-(8)-ir 4077030 Gap 2.4 bits
|----------| sd-ir 4077030 yiiD_PAIR6a- total 9.1 bits
*4076980 *4076970 *4076960 *4076950 *4076940 *4076930 *4076920 *4076910
5′ c g g t c t t t a c t t g c t c a t c g t t a t a a t t t t g t t g g t a a c a g t t c g g g a a a g t t g t t t t t c t a a a t t a a c a a c a g a a t a a c t 3′
- arg - ser - leu - leu - ala - his - arg - tyr - asn - phe - val - gly - asn - ser - ser - gly - lys - leu - phe - phe -
-fMet - leu - ile - val - ile - ile - leu - leu - val - thr - val - arg - glu - ser - cys - phe - ser - lys - leu - thr - thr - glu -
p35 3.4 bits
[###> orf 36 codons
... p10
p10 2.1 bits
{----------} p35-(23)-p10 4076929 Gap 1.4 bits
|----------| p35-p10 4076929 total 4.0 bits
p35 4.8 bits
{----------} p35-(21)-p10 4076908 Gap
|----------| p35-p10 4076908 total 5.1
p35 2.7 bits
{---------- ... p35-(23)-p10 4
|---------- ... p35-p10 407689
*4076900 *4076890 *4076880 *4076870 *4076860 *4076850 *4076840 *4076830
5′ t t c t t g t t t a a t g a g a t t a a t a t t g g c a a c c a t t a t a g c c t c c t t c c c a c g g t t t a a g a g c a a a c a t a c a a c a t a a t t a t t 3′
-fMet - phe - asn - glu - ile - asn - ile - gly - asn - his - tyr - ser - leu - leu - pro - thr - val -
-fMet - arg - leu - ile - leu - ala - thr - ile - ile - ala - ser - phe - pro - arg - phe - lys - ser - lys - his - thr - thr -
... p10 3.7 bits
ir yiiD_PAIR6a-
p35 4.7 bits
[###> orf 18 codons
sd
p10 4.2 bits
... sd
{----------} sd-(10)-ir 4076882 Gap 2.7 bits
p10 3.3 bits
|----------| sd-ir 4076882 yiiD_PAIR6a- total 6.5 bits
{---------- p35-(22)-p10 4076829 Gap 2.3
p10 4.5 bits
|---------- p35-p10 4076829 total 5.6 bit
p35 5.7 bits


p35-(24)-p10 4076873 Gap 2.4 bits
p35-p10 4076873 total 7.4 bits
p35-(23)-p10 4076897 Gap 1.4 bits
p35-p10 4076897 total 5.7 bits
*4076820 *4076810 *4076800 *4076790 *4076780 *4076770 *4076760 *4076750 *
5′ c a t a a c a t a c a g a g c a g t a a a t g a a t g a t a c t g a c a a t g a t g c t a g t c c a t t a t c t t t g c a t a a t a t t t g t t a g c t a t a g a 3′
-fMet - ile - leu - thr - met - met - leu - val - his - tyr - leu - cys - ile - ile - phe - val - ser - tyr - arg -
-fMet - asn - asp - thr - asp - asn - asp - ala - ser - pro - leu - ser - leu - his - asn - ile - cys -
-fMet - leu - ala - ile - asp -
ir yiiD_PAIR6a-
p10 4.2 bits
[###> orf 18 codons
sd
ir yiiD_PAIR6a-
p10 5.5 bits
... p10
sd-(9)-ir 4076803 Gap 2.3 bits
p35 1.6 bits
p10 6.3 bits
... p10
sd-ir 4076803 yiiD_PAIR6a- total 9.6 bits
p35 6.2 bits
sd
p35-(23)-p10 4076763 Gap 1.4 bits
sd-(10)-ir 4076787 Gap 2.7 bits
p35-(21)-p10 4076745 Ga
sd-ir 4076787 yiiD_PAIR6a- total 7.6 bits
p35 4.7 bits
p35 2.5 bits
p35-p10 4076763 total 5.7 bits
p35-(24)-p10 4076774 Gap 2.4 bits
... p35-(21)-p10 4
p35-p10 4076774 total 4.3 bits
... p35-p10 407673
p35 2.1 bits
p35-p10 4076745 total 7
p35-(22)-p10 4076761 Gap 2.3 bits
p35-p10 4076761 total 6.1 bits
p35-(23)-p10 407674
p35-p10 4076743 tot
*4076740 *4076730 *4076720 *4076710 *4076700 *4076690 *4076680 *4076670 *
5′ t t t t a a a a a t a t t t a t g a g a a a a g t a t g g c a c c a g a g g g g t t t t g a c t a t c a a a a a t c g c t c a a a c a t g a a c t a a g a t g a 3′
- phe - lys - asn - ile - tyr - glu - lys - ser - met - ala - pro - glu - gly - val - leu - thr - ile - lys - asn - arg - ser - asn - met - asn -
-fMet - arg - lys - val - trp - his - gln - arg - gly - phe -
-fMet - met -
[###> orf 17 codons
ir yiiD_PAIR6a-
[###> orf 17 codons
p10 4.7 bits
sd-(9)-ir 4076717 Gap 2.3 bits
... ir
p10 1.1 bits
sd-ir 4076717 yiiD_PAIR6a- total 6.3 bits
sd
... ir
sd
sd-(8)-ir 4076665 Gap 2.4


p10 2.7 bits
|--------------| sd-ir 4076665 yiiD_PAIR6a
{----------} sd-(11)-ir 4076662
|----------| sd-ir 4076662 yiiD_
p35 1.9 bits
... {----------} p35-(21)-p10 4076734 Gap 3.3 bits
... |----------| p35-p10 4076734 total 4.1 bits
{---------- ... p35-(23)-p10 4
|---------- ... p35-p10 407665
... p35
{----- ... p35-(23)-p10 4
|----- ... p35-p10 407664
*4076660 * *4076650 * *4076640 * *4076630 * *4076620 * *4076610 * *4076600 * *4076590 *
5' t g a a t t a a g c a t t a t c t g c g a t a a t g c c a c t c a g t t c t a c a a a t a a t a t t t a a a t g c t c c t g a a c a g t g a t g t a g c a a g a 3'
- - - -


p10 6.3 bits
p35-(26)-p10 4076509 Gap 3.7 bits
p35-p10 4076509 total 4.4 bits
*4076490
*4076480
*4076470
*4076460
*4076450
5’ a c c t g a a t g a g a g a g g c a g c a c c g c c c c t c t c c a t c a g c t a c t c t t c t t c g t t c c c g c 3’
- thr - -fMet - arg - glu - ala - ala - pro - pro - leu - ser - ile - ser - tyr - ser - ser - ser - phe - pro -
-fMet
... ir yiiD_PAIR6a-
<---------- ... NC_000913.yiiD
orf 3 codons