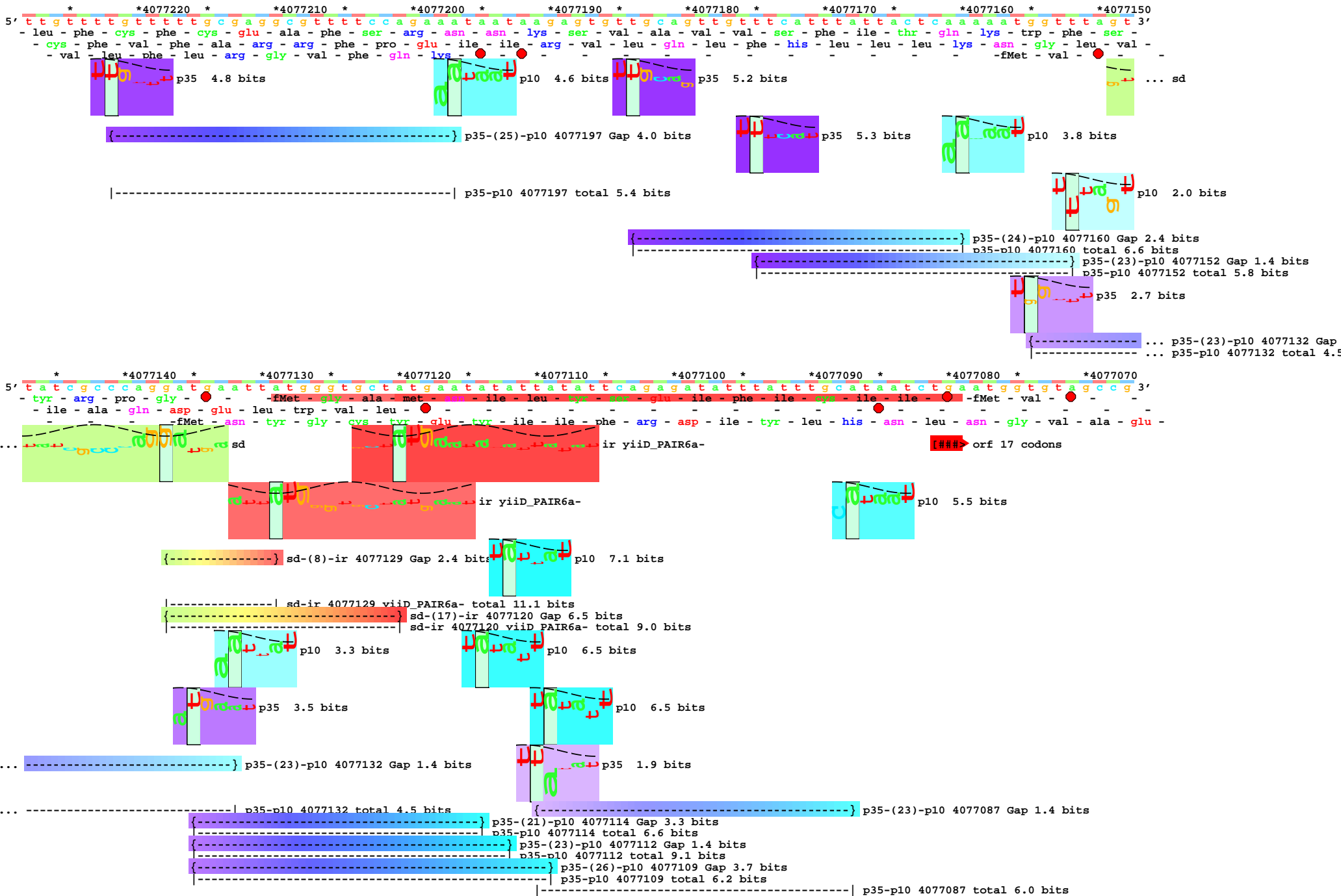


piece 1, NC_000913, yiid_PAIR6a-, config: linear, direction: -, begin: 4077228, end: 4076442

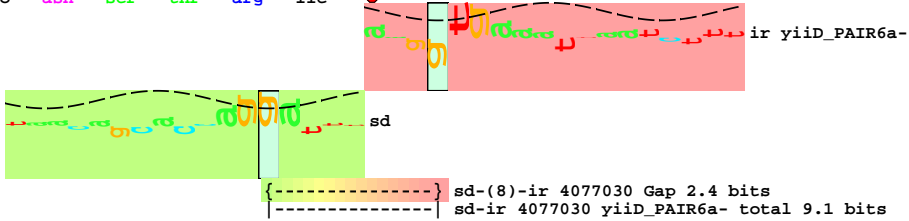


*4077060 * *4077050 * *4077040 * *4077030 * *4077020 * *4077010 * *4077000 * *4076990 *

5' a a a a a c g t c a g c a t c c t a a c a g 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 -

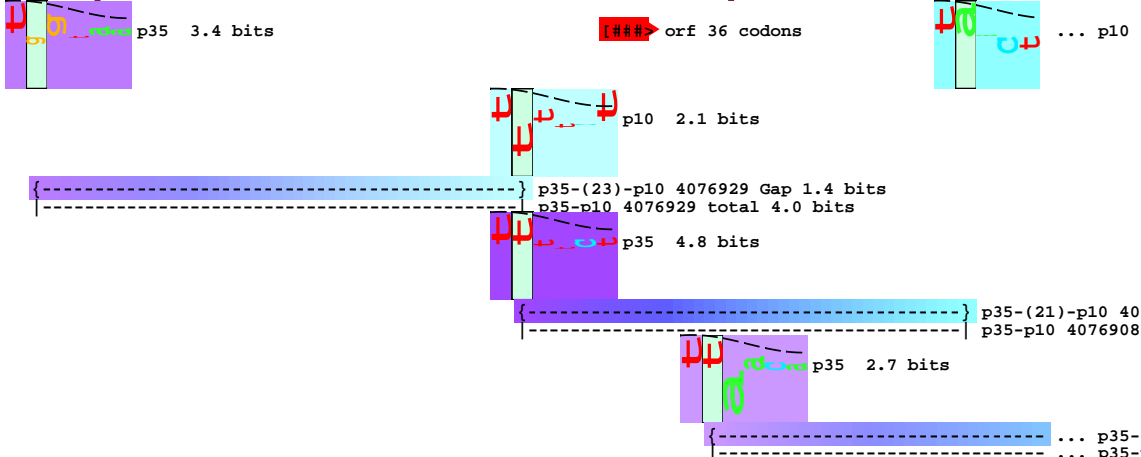


*4076980 * *4076970 * *4076960 * *4076950 * *4076940 * *4076930 * *4076920 * *4076910 *

5' c g g t c 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 -

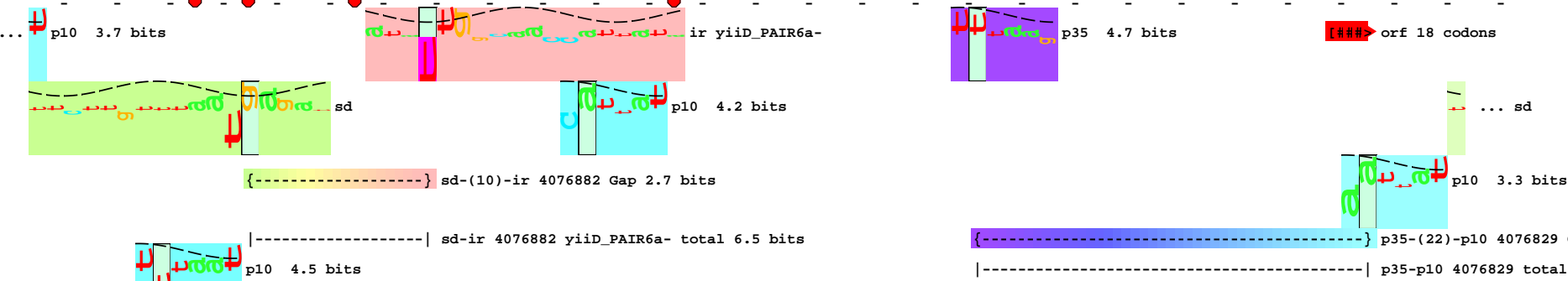


*4076900 * *4076890 * *4076880 * *4076870 * *4076860 * *4076850 * *4076840 * *4076830 *

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'

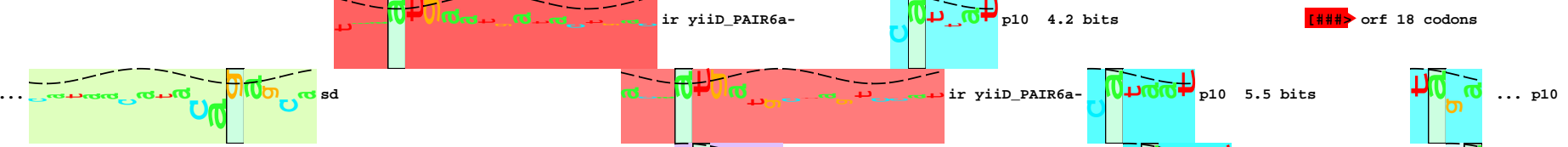
-fMet - phe - asn - glu - ile - asn - ile - gly - asn - his - tyr - ser - leu - leu - pro - thr - val -

-fMet - arg - leu - ile - leu - ala - thr - ile - ile - ala - ser - phe - pro - arg - phe - lys - ser - lys - his - thr - thr -



{-----} 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 - asp - thr - asp - asn - asp - ala - ser - pro - leu - ser - leu - his - asn - ile - cys -



{-----} sd-(9)-ir 4076803 Gap 2.3 bits p35 1.6 bits
 {-----} p10 6.3 bits
 |-----| sd-ir 4076803 yiid_PAIR6a- total 9.6 bits p35 6.2 bits

{-----} p35-(23)-p10 4076763 Gap 1.4 bits

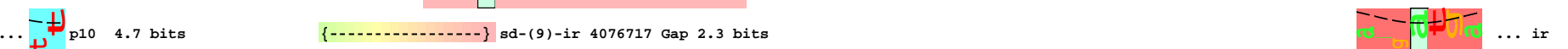
{-----} sd-(10)-ir 4076787 Gap 2.7 bits {-----} p35-(21)-p10 4076745 Gap 3.3 bits
 |-----| sd-ir 4076787 yiid_PAIR6a- total 7.6 bits p35 4.7 bits

p35 2.5 bits |-----| p35-p10 4076763 total 5.7 bits

{-----} p35-(24)-p10 4076774 Gap 2.4 bits {-----} p35-(21)-p10 4076734 Gap
 {-----} p35-p10 4076774 total 4.3 bits {-----} p35-p10 4076734 total 4.1
 p35 2.1 bits |-----| p35-p10 4076745 total 7.6 bits

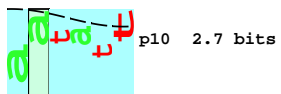
{-----} p35-(22)-p10 4076761 Gap 2.3 bits
 {-----} p35-p10 4076761 total 6.1 bits
 {-----} p35-(23)-p10 4076743 Gap 1.4 b
 {-----} p35-p10 4076743 total 5.9 bits

*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 g t t t t g a c t a t c a 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 - gln - phe -
 [###] orf 17 codons ir yiid_PAIR6a- [###] orf 17 codons

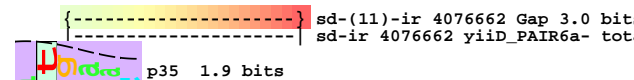


|-----| sd-ir 4076717 yiid_PAIR6a- total 6.3 bits

{-----} sd-(8)-ir 4076665 Gap 2.4 bits

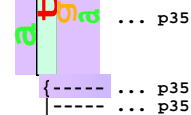


|-----| sd-ir 4076665 yiiD_PAIR6a- total 7.8



... p35-(21)-p10 4076734 Gap 3.3 bits
 ... p35-p10 4076734 total 4.1 bits

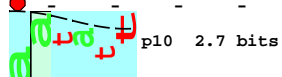
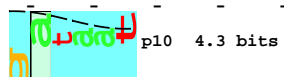
... p35-(23)-p10 4076651 Gap
 ... p35-p10 4076651 total 4.7



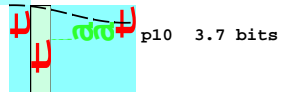
... p35-(23)-p10 4076641 Gap
 ... p35-p10 4076641 total 4.5

*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 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'
 -fMet - pro - leu - ser - ser - thr - asn - asn - ile -fMet - leu - leu - asn - ser - asp - val - ala - arg -
 -fMet - met -

[###> orf 4 codons

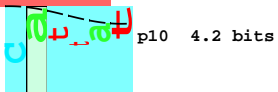


... ir yiiD_PAIR6a-



... ir yiiD_PAIR6a-

... p35-(21)-p10 4076615 Gap 3.3 bits
 ... p35-p10 4076615 total 5.5 bits



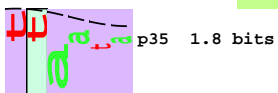
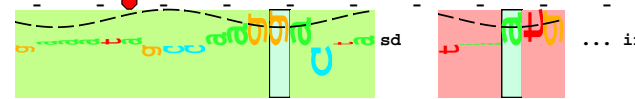
... p35-(26)-p10 4076610 Gap 3.7 bits
 ... p35-p10 4076610 total 6.1 bits

... p35-(23)-p10 4076651 Gap 1.4 bits
 ... p35-p10 4076651 total 4.7 bits

p35 1.6 bits

... p35-(23)-p10 4076641 Gap 1.4 bits
 ... p35-p10 4076641 total 4.5 bits

*4076580 * *4076570 * *4076560 * *4076550 * *4076540 * *4076530 * *4076520 * *4076510 * *4076500 *
 5' c a c g t a t g g a g c c a a c g a a g a a t a a a a t t t a t a g a g t t o t t t a t t t a a t a t a a c c g a a a t a g c c a a g g a c t a a t a t a a a t g 3'
 - his - val - trp - ser - gln - arg - arg - ile - lys - ile - tyr - arg - val - leu - ile -fMet -
 -fMet - glu - pro - thr - lys - asn - lys - asn - leu -



... ir
 ... sd-(11)-ir 4076502 Gap 3.0 bits

|-----| sd-ir 4076502 yiiD_PAIR6a- total 7

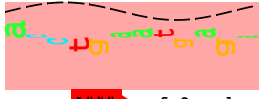
p10 6.3 bits

p35-(26)-p10 4076509 Gap 3.7 bits
p35-p10 4076509 total 4.4 bits

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