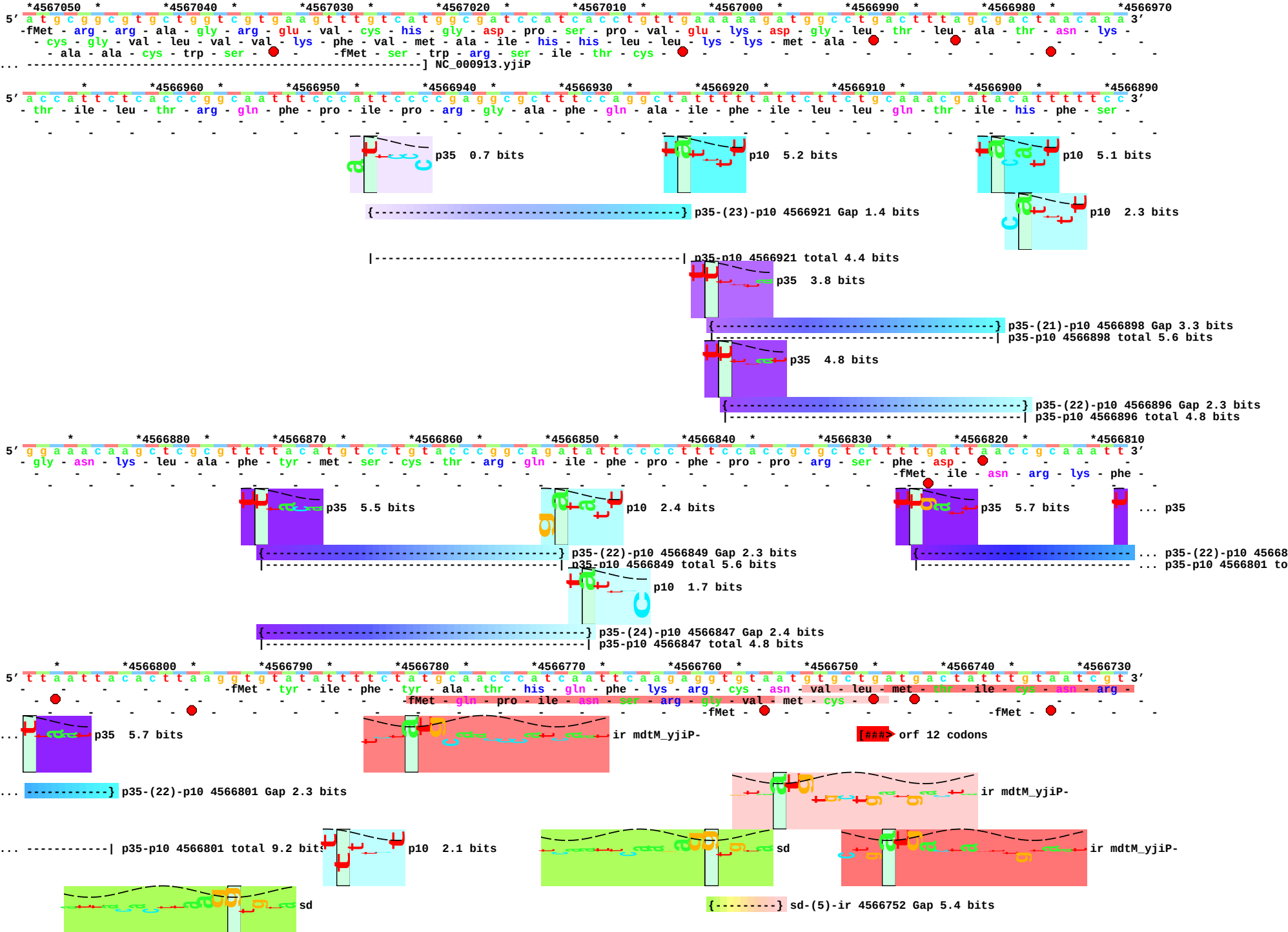
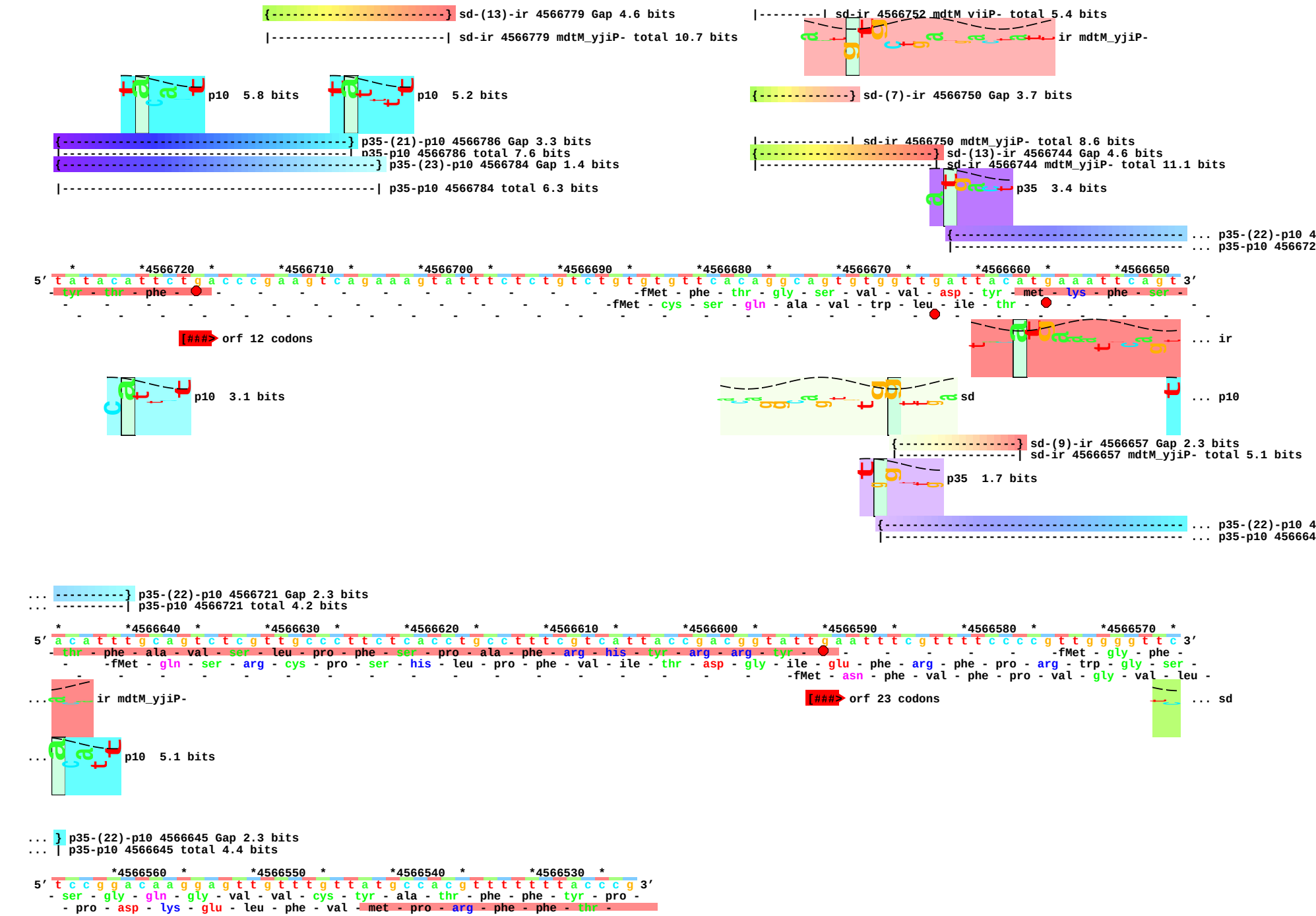
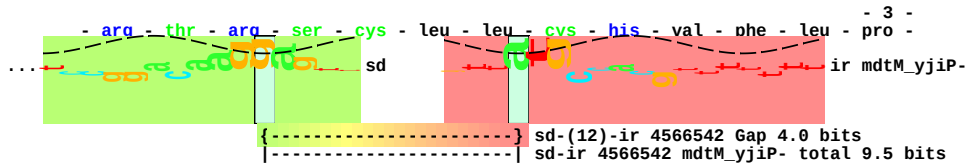
piece 1, NC_000913, mdtM_yjiP-, config: linear, direction: -, begin: 4567050, end: 4566523




{------------------------} sd-(13)-ir 4566779 Gap 4.6 bits
|------------------------| sd-ir 4566779 mdtM_yjiP- total 10.7 bits
|---------| sd-ir 4566752 mdtM_yjiP- total 5.4 bits
ir mdtM_yjiP-
p10 5.8 bits
p10 5.2 bits
{-------------} sd-(7)-ir 4566750 Gap 3.7 bits
{---------------------------------------} p35-(21)-p10 4566786 Gap 3.3 bits
|---------------------------------------| p35-p10 4566786 total 7.6 bits
{---} p35-(23)-p10 4566784 Gap 1.4 bits
|---| p35-p10 4566784 total 6.3 bits
|-------------| sd-ir 4566750 mdtM_yjiP- total 8.6 bits
{------------------------} sd-(13)-ir 4566744 Gap 4.6 bits
|------------------------| sd-ir 4566744 mdtM_yjiP- total 11.1 bits
p35 3.4 bits
{------------------------------ ... p35-(22)-p10 4
|------------------------------ ... p35-p10 456672
*4566720 *4566710 *4566700 *4566690 *4566680 *4566670 *4566660 *4566650
5′ t a t a c a t t c t g a c c c g a a g t c a g a a a g t a t t t c t c t g t c t g t g t g t t c a c a g g c a g t g t g g t t g a t t a c a t g a a a t t c a g t 3′
- tyr - thr - phe - -fMet - phe - thr - gly - ser - val - val - asp - tyr - met - lys - phe - ser -
-fMet - cys - ser - gln - ala - val - trp - leu - ile - thr -
[###> orf 12 codons
... ir
p10 3.1 bits
sd
... p10
{-----------------} sd-(9)-ir 4566657 Gap 2.3 bits
|-----------------| sd-ir 4566657 mdtM_yjiP- total 5.1 bits
p35 1.7 bits
{-- ... p35-(22)-p10 4
|-- ... p35-p10 456664
... ----------} p35-(22)-p10 4566721 Gap 2.3 bits
... ----------| p35-p10 4566721 total 4.2 bits
*4566640 *4566630 *4566620 *4566610 *4566600 *4566590 *4566580 *4566570 *
5′ a c a t t t g c a g t c t c g t t g c c c t t c t c a c c t g c c t t t c g t c a t t a c c g a c g g t a t t g a a t t c g t t t t c c c c g t t g g g t t c 3′
- thr - phe - ala - val - ser - leu - pro - phe - ser - pro - ala - phe - arg - his - tyr - arg - arg - tyr - -fMet - gly - phe -
-fMet - gln - ser - arg - cys - pro - ser - his - leu - pro - phe - val - ile - thr - asp - gly - ile - glu - phe - arg - phe - pro - arg - trp - gly - ser -
-fMet - asn - phe - val - phe - pro - val - gly - val - leu -
... ir mdtM_yjiP-
[###> orf 23 codons
... sd
... p10 5.1 bits
... } p35-(22)-p10 4566645 Gap 2.3 bits
... | p35-p10 4566645 total 4.4 bits
*4566560 *4566550 *4566540 *4566530 *
5′ t c c g g a c a a g g a g t t g t t t g t t a t g c c a c g t t t t t t t a c c c g 3′
- ser - gly - gln - gly - val - val - cys - tyr - ala - thr - phe - phe - tyr - pro -
- pro - asp - lys - glu - leu - phe - val - met - pro - arg - phe - phe - thr -


- 3 -
- arg - thr - arg - ser - cys - leu - leu - cys - his - val - phe - leu - pro -
...
sd
ir mdtM_yjiP-
{----------} sd-(12)-ir 4566542 Gap 4.0 bits
|----------| sd-ir 4566542 mdtM_yjiP- total 9.5 bits