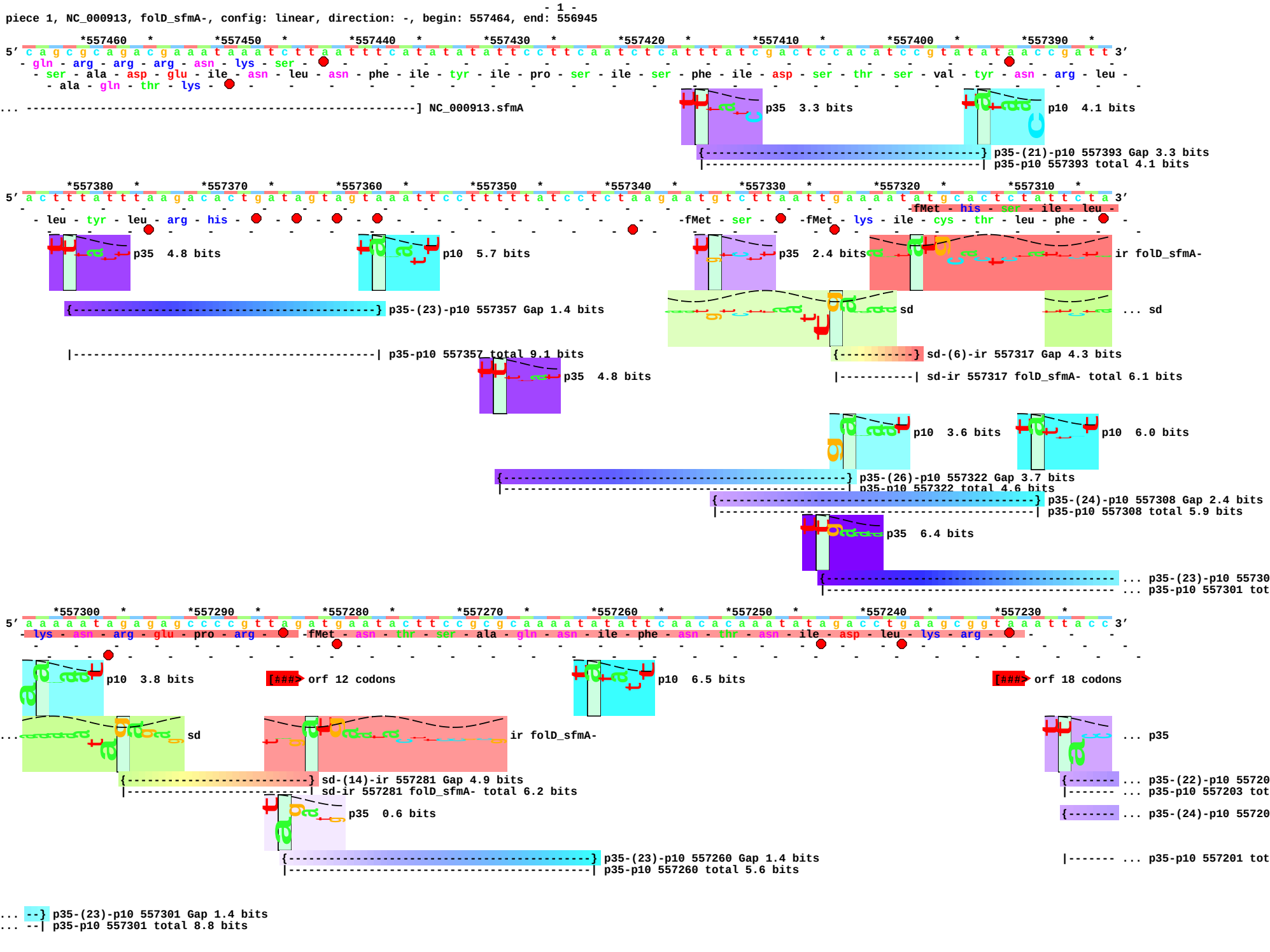
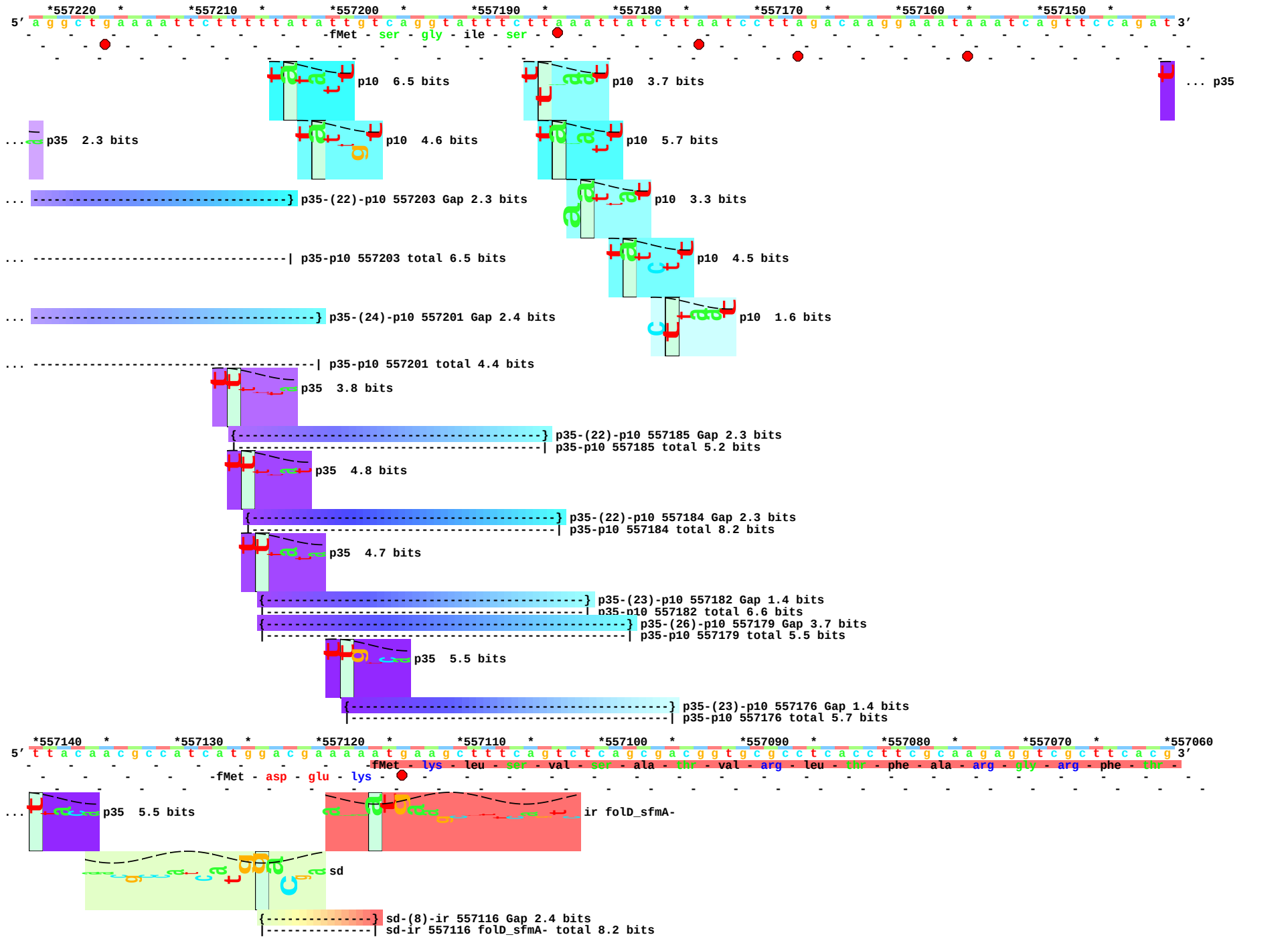
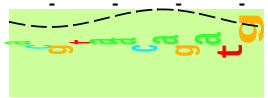

piece 1, NC_000913, folD_sfmA-, config: linear, direction: -, begin: 557464, end: 556945
*557460 *557450 *557440 *557430 *557420 *557410 *557400 *557390
5′ c a g c g c a g a c g a a a t a a a t c t t a a t t t c a t a t a t a t t c c t t c a a t c t c a t t t a t c g a c t c c a c a t c c g t a t a t a a c c g a t t 3′
- gln - arg - arg - arg - asn - lys - ser -
- ser - ala - asp - glu - ile - asn - leu - asn - phe - ile - tyr - ile - pro - ser - ile - ser - phe - ile - asp - ser - thr - ser - val - tyr - asn - arg - leu -
- ala - gln - thr - lys -
... ----------] NC_000913.sfmA
p35 3.3 bits
p10 4.1 bits
{----------} p35-(21)-p10 557393 Gap 3.3 bits
|----------| p35-p10 557393 total 4.1 bits
*557380 *557370 *557360 *557350 *557340 *557330 *557320 *557310
5′ a c t t t a t t t a a g a c a c t g a t a g t a a a t t c c t t t t t a t c c t c t a a g a a t g t c t t a a t t g a a a a t a t g c a c t c t a t t c t a 3′
fMet - his - ser - ile - leu -
- leu - tyr - leu - arg - his -
-fMet - ser -
-fMet - lys - ile - cys - thr - leu - phe -
p35 4.8 bits
p10 5.7 bits
p35 2.4 bits
ir folD_sfmA-
{----------} p35-(23)-p10 557357 Gap 1.4 bits
|----------| p35-p10 557357 total 9.1 bits
sd
... sd
{----------} sd-(6)-ir 557317 Gap 4.3 bits
|----------| sd-ir 557317 folD_sfmA- total 6.1 bits
p35 4.8 bits
p10 3.6 bits
p10 6.0 bits
{----------} p35-(26)-p10 557322 Gap 3.7 bits
|----------| p35-p10 557322 total 4.6 bits
{----------} p35-(24)-p10 557308 Gap 2.4 bits
|----------| p35-p10 557308 total 5.9 bits
p35 6.4 bits
{---------- ... p35-(23)-p10 55730
|---------- ... p35-p10 557301 tot
*557300 *557290 *557280 *557270 *557260 *557250 *557240 *557230
5′ a a a a a t a g a g a g c c c c g t t a g a t g a a t a c t t c c g c g c a a a a t a t a t t c a a c a c a a a t a t a g a c c t g a a g c g g t a a a t t a c c 3′
- lys - asn - arg - glu - pro - arg -
-fMet - asn - thr - ser - ala - gln - asn - ile - phe - asn - thr - asn - ile - asp - leu - lys - arg -
p10 3.8 bits
[###> orf 12 codons
p10 6.5 bits
[###> orf 18 codons
... sd
ir folD_sfmA-
... p35
{---------- sd-(14)-ir 557281 Gap 4.9 bits
|---------- sd-ir 557281 folD_sfmA- total 6.2 bits
{------- ... p35-(22)-p10 55720
|------- ... p35-p10 557203 tot
p35 0.6 bits
{------- ... p35-(24)-p10 55720
{---------- p35-(23)-p10 557260 Gap 1.4 bits
|---------- p35-p10 557260 total 5.6 bits
|------- ... p35-p10 557201 tot
... --} p35-(23)-p10 557301 Gap 1.4 bits
... --| p35-p10 557301 total 8.8 bits


*557220
*557210
*557200
*557190
*557180
*557170
*557160
*557150
5′ a g g c t g a a a a t t c t t t t t a t a t t g t c a g g t a t t t c t t a a a t t a t c t t a a t c c t t a g a c a a g g a a a t a a a t c a g t t c c a g a t 3′
-fMet - ser - gly - ile - ser -
p10 6.5 bits
p10 3.7 bits
... p35
... p35 2.3 bits
p10 4.6 bits
p10 5.7 bits
... } p35-(22)-p10 557203 Gap 2.3 bits
p10 3.3 bits
... | p35-p10 557203 total 6.5 bits
p10 4.5 bits
... } p35-(24)-p10 557201 Gap 2.4 bits
p10 1.6 bits
... | p35-p10 557201 total 4.4 bits
p35 3.8 bits
{ } p35-(22)-p10 557185 Gap 2.3 bits
| p35-p10 557185 total 5.2 bits
p35 4.8 bits
{ } p35-(22)-p10 557184 Gap 2.3 bits
| p35-p10 557184 total 8.2 bits
p35 4.7 bits
{ } p35-(23)-p10 557182 Gap 1.4 bits
| p35-p10 557182 total 6.6 bits
{ } p35-(26)-p10 557179 Gap 3.7 bits
| p35-p10 557179 total 5.5 bits
p35 5.5 bits
{ } p35-(23)-p10 557176 Gap 1.4 bits
| p35-p10 557176 total 5.7 bits
*557140
*557130
*557120
*557110
*557100
*557090
*557080
*557070
*557060
5′ t t a c a a c g c c a t c a t g g a c g a a a a a t g a a g c t t t c a g t c t c a g c g a c g g t g c g c c t c a c c t t c g c a a g a g g t c g c t t c a c g 3′
-fMet - lys - leu - ser - val - ser - ala - thr - val - arg - leu - thr - phe - ala - arg - gly - arg - phe - thr -
-fMet - asp - glu - lys -
... p35 5.5 bits
ir folD_sfmA-
sd
{ } sd-(8)-ir 557116 Gap 2.4 bits
| sd-ir 557116 folD_sfmA- total 8.2 bits

{----------} p35-(21)-p10 557119 Gap 3.3 bits
|----------| p35-p10 557119 total 6.1 bits

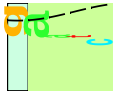
```
        *         *557050   *         *557040   *         *557030   *         *557020   *         *557010   *         *557000   *         *556990   *         *556980
5'  c g a t a a a t c t g a a a c g a a a c c t g a c a g c g c g c c c c g c t t c t g a c a a a a t a g g c g c a t c c c c t t c g a t c t a c g t a a c a g a t g  3'
  - arg -   -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -fMet -
```

[###> orf 21 codons

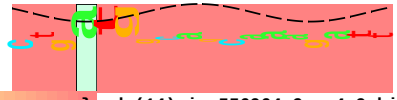



```
        *         *556970   *         *556960   *         *556950   *
5'  g a a t c c t c t c t c t g a t g g c a g c a a a g a t t a t t t g a  3'
  - glu - ser - ser - leu -   -       -       -       -       -     -fMet -
```

-fMet - ala - ala - lys - ile - ile -



[---------- ... NC_000913.folD



{----------} sd-(14)-ir 556964 Gap 4.9 bits
|----------| sd-ir 556964 folD_sfmA- total 7.1 bits