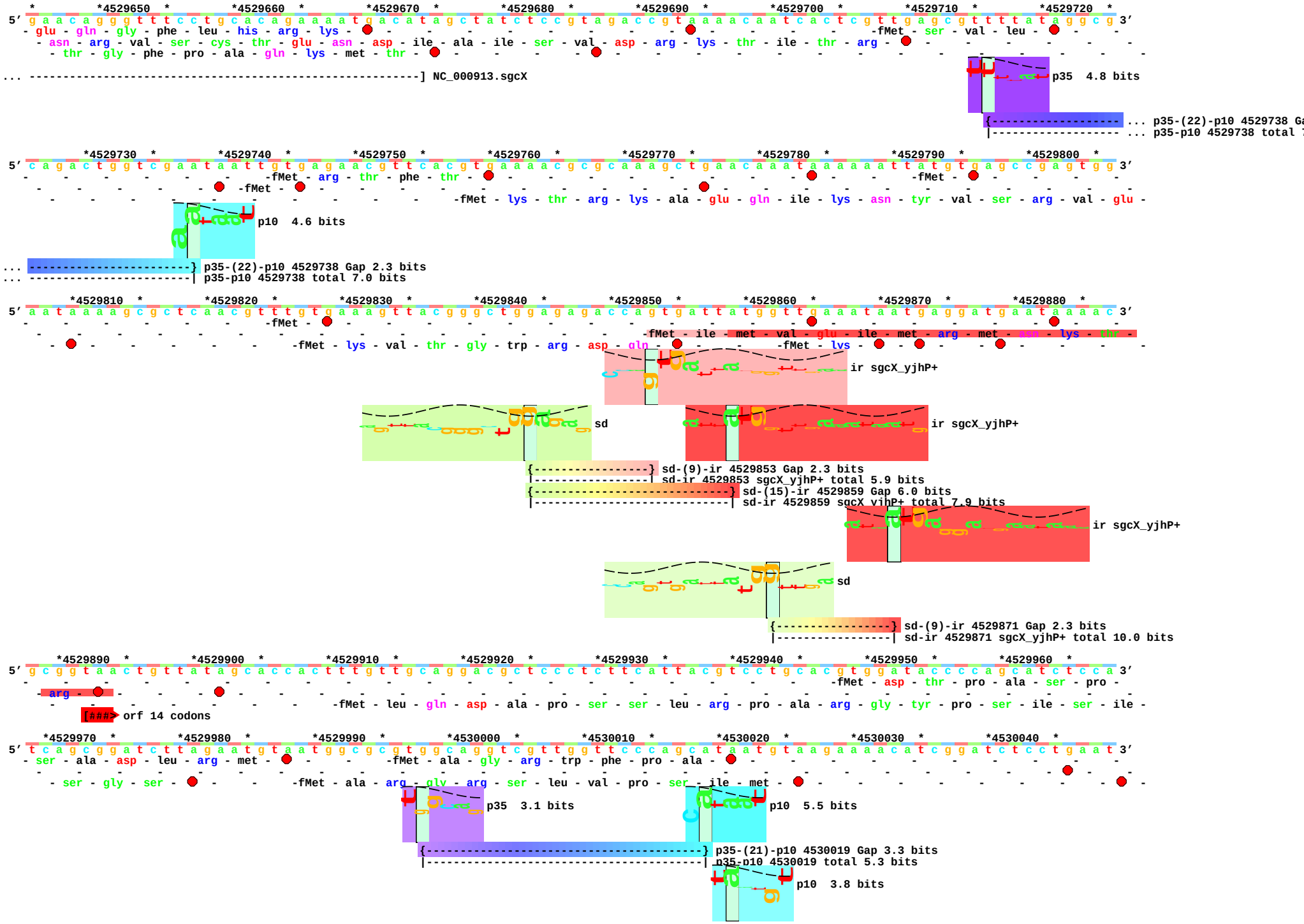
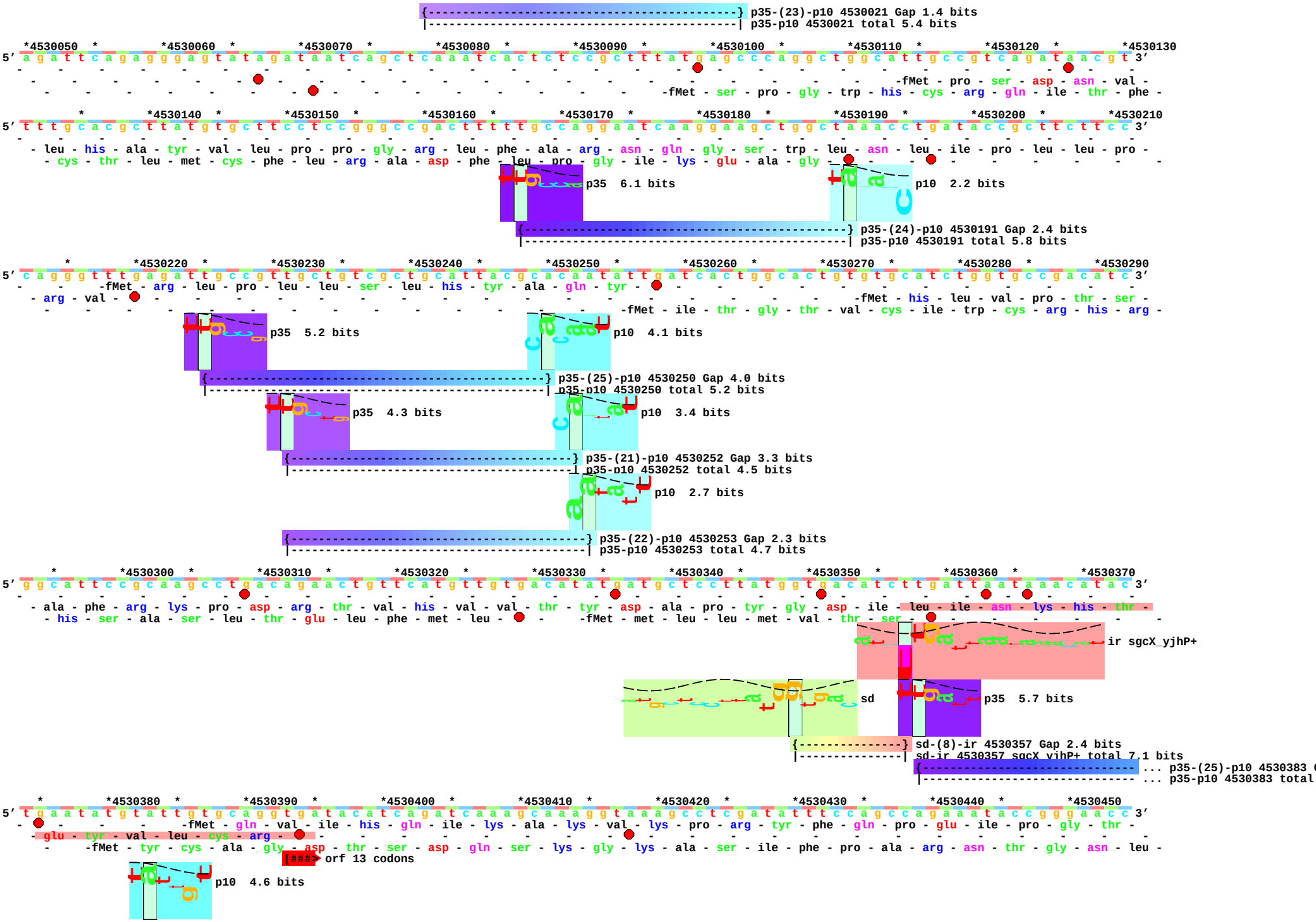
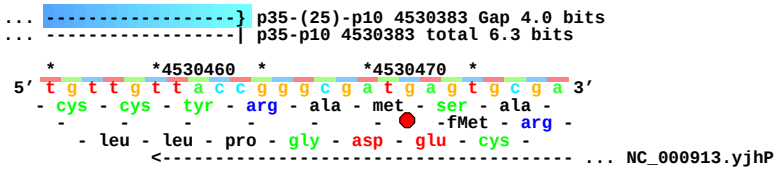
piece 1, NC_000913, sgcX_yjhP+, config: linear, direction: +, begin: 4529645, end: 4530479




{----------} p35-(23)-p10 4530021 Gap 1.4 bits
|----------| p35-p10 4530021 total 5.4 bits
*4530050 * *4530060 * *4530070 * *4530080 * *4530090 * *4530100 * *4530110 * *4530120 * *4530130
5' a g a t t c a g a g g g a g t a t a g a t a a t c a g c t c a a a t c a c t c t c c g c t t t a t g a g c c c a g g c t g g c a t t g c c g t c a g a t a a c g t 3'
- fMet - pro - ser - asp - asn - val -
- fMet - ser - pro - gly - trp - his - cys - arg - gln - ile - thr - phe -
* *4530140 * *4530150 * *4530160 * *4530170 * *4530180 * *4530190 * *4530200 * *4530210
5' t t t g c a c g c t t a t g t g c t t c c t c c g g g c c g a c t t t t t g c c a g g a a t c a a g g a a g c t g g c t a a a c c t g a t a c c g c t t c t t c c 3'
- leu - his - ala - tyr - val - leu - pro - pro - gly - arg - leu - phe - ala - arg - asn - gln - gly - ser - trp - leu - asn - leu - ile - pro - leu - leu - pro -
- cys - thr - leu - met - cys - phe - leu - arg - ala - asp - phe - leu - pro - gly - ile - lys - glu - ala - gly -
p35 6.1 bits
p10 2.2 bits
{----------} p35-(24)-p10 4530191 Gap 2.4 bits
|----------| p35-p10 4530191 total 5.8 bits
* *4530220 * *4530230 * *4530240 * *4530250 * *4530260 * *4530270 * *4530280 * *4530290
5' c a g g g t t t g a g a t t g c c g t t g c t g t c g c t g c a t t a c g c a c a a t a t t g a t c a c t g g c a c t g t g t g c a t c t g g t g c c g a c a t c 3'
- fMet - arg - leu - pro - leu - leu - ser - leu - his - tyr - ala - gln - tyr -
- arg - val -
- fMet - his - leu - val - pro - thr - ser -
- fMet - ile - thr - gly - thr - val - cys - ile - trp - cys - arg - his - arg -
p35 5.2 bits
p10 4.1 bits
{----------} p35-(25)-p10 4530250 Gap 4.0 bits
|----------| p35-p10 4530250 total 5.2 bits
p35 4.3 bits
p10 3.4 bits
{----------} p35-(21)-p10 4530252 Gap 3.3 bits
|----------| p35-p10 4530252 total 4.5 bits
p10 2.7 bits
{----------} p35-(22)-p10 4530253 Gap 2.3 bits
|----------| p35-p10 4530253 total 4.7 bits
* *4530300 * *4530310 * *4530320 * *4530330 * *4530340 * *4530350 * *4530360 * *4530370
5' g g c a t t c c g c a a g c c t g a c a g a a c t g t t c a t g t t g t g a c a t a t g a t c c t t a t g g t g a c a t c t t g a t t a a t a a a c a t a c 3'
- ala - phe - arg - lys - pro - asp - arg - thr - val - his - val - val - thr - tyr - asp - ala - pro - tyr - gly - asp - ile - leu - ile - asn - lys - his - thr -
- his - ser - ala - ser - leu - thr - glu - leu - phe - met - leu -
- fMet - met - leu - leu - met - val - thr - ser -
ir sgcX_yjhP+
sd
p35 5.7 bits
{----------} sd-(8)-ir 4530357 Gap 2.4 bits
|----------| sd-ir 4530357 sgcX_yjhP+ total 7.1 bits
{---------- ... p35-(25)-p10 4530383 Gap
|---------- ... p35-p10 4530383 total 6.3
* *4530380 * *4530390 * *4530400 * *4530410 * *4530420 * *4530430 * *4530440 * *4530450
5' t g a a t a t g t a t t g t g c a g g t g a t a c a t c a g a t c a a a g c a a a g g t a a a g c c t c g a t a t t t c c a g c c a g a a a t a c c g g g a a c c 3'
- fMet - gln - val - ile - his - gln - ile - lys - ala - lys - val - lys - pro - arg - tyr - phe - gln - pro - glu - ile - pro - gly - thr -
- glu - tyr - val - leu - cys - arg -
- fMet - tyr - cys - ala - gly - asp - thr - ser - asp - gln - ser - lys - gly - lys - ala - ser - ile - phe - pro - ala - arg - asn - thr - gly - asn - leu -
[####> orf 13 codons
p10 4.6 bits


... ----------} p35-(25)-p10 4530383 Gap 4.0 bits
... ----------| p35-p10 4530383 total 6.3 bits
* *4530460 * *4530470 *
5' t g t t g t t a c c g g g c g a t g a g t g c g a 3'
- cys - cys - tyr - arg - ala - met - ser - ala -
- - - - - - -fMet - arg -
- leu - leu - pro - gly - asp - glu - cys -
<---------- ... NC_000913.yjhP