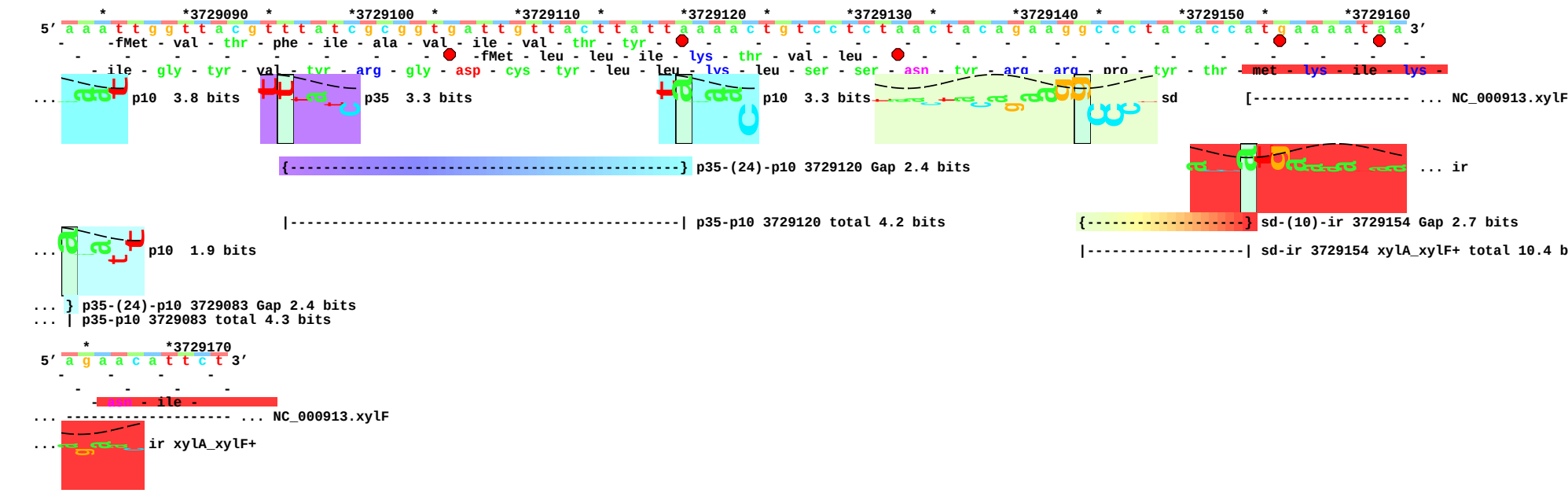
piece 1, NC_000913, xylA_xylF+, config: linear, direction: +, begin: 3728759, end: 3729173
*3728760 * *3728770 * *3728780 * *3728790 * *3728800 * *3728810 * *3728820 * *3728830 *
5′ g c g a t c g a g c t g g t c a a a a t a g c t t g c a t a t t g a a c t c c a t a a t c a g g t a a t g c c g c g g g t g a t g g a t g a t g t c g t a a t a 3′
- ala - ile - glu - leu - val - lys - ile - gly - leu - his - ile - glu - leu - his - asn - gln - val - met - pro - arg - val - met - asp - asp - val - val - ile -
- arg - ser - ser - trp - ser - lys - -fMet - asn - ser - ile - ile - arg - -fMet - met - ser -
- asp - arg - ala - gly - gln - asn - arg - leu - ala - tyr -
... ----------] NC_000913.xylA
ir xylA_xylF+
sd
... p10
{----------} sd-(15)-ir 3728822 Gap 6.0 bits
|----------| sd-ir 3728822 xylA_xylF+ total 8.6 bits
p35 2.1 bits
{----------} p35-(25)-p10 3728836 Gap 4.0
|----------| p35-p10 3728836 total 4.4 bit
*3728840 * *3728850 * *3728860 * *3728870 * *3728880 * *3728890 * *3728900 * *3728910 * *3728920
5′ t t g g g c a c t c c c t t t c a g t t g c t c a a t t a t g t t a t t t c a c a c t g c t a t t g a g a t a a t t c a c a a g t g t g c g c t c g c t c g c a a 3′
- leu - gly - thr - pro - phe - gln - leu - leu - asn - tyr - val - ile - ser - his - cys - tyr -
-fMet - leu - phe - his - thr - ala - ile - glu - ile - ile - his - lys - cys - ala - leu - ala - arg - lys -
-fMet - arg -
-fMet - cys - ala - arg - ser - gln -
-fMet - arg - ser - leu - ala - lys -
p35 2.7 bits
[###> orf 23 codons
... sd
... p10 6.3 bits
p10 4.3 bits
{----------} p35-(22)-p10 3728892 Gap 2.3 bits
|----------| p35-p10 3728892 total 4.7 bits
* *3728930 * *3728940 * *3728950 * *3728960 * *3728970 * *3728980 * *3728990 * *3729000
5′ a a t a a a a t g g a a t g a t g a a a c t g g g t a a t t c c t c g a a g a g a a a a a t g c a a t a a g t a c a a t t g c g c a a c a a a a g t a a g a t c t 3′
- asn - lys - met - glu -
- ile - lys - trp - asn - asp - glu - thr - gly -
-fMet - met - lys - leu - gly - asn - ser - ser - lys - arg - lys - met - gln -
-fMet - arg - asn - lys - ser - lys - ile - ser -
... sd
sd
[###> orf 13 codons
ir xylA_xylF+
ir xylA_xylF+
{---------} sd-(5)-ir 3728935 Gap 5.4 bits
|---------| sd-ir 3728935 xylA_xylF+ total 10.5 bits
{----------} sd-(7)-ir 3728965 Gap 3.7 bits
|----------| sd-ir 3728965 xylA_xylF+ total 9.8 bits
* *3729010 * *3729020 * *3729030 * *3729040 * *3729050 * *3729060 * *3729070 * *3729080
5′ c g g t c a t a a a t c a a g a a a t a a a c c a a a a a t c g t a a t c g a a a g a t a a a a a t c t g t a a t t g t t t t c c c c t g t t t a g t t g c t a a 3′
- val - ile - asn - gln - glu - ile - asn - gln - lys - ser -
-fMet - phe - ser - pro - val -
-fMet - leu - lys -
p35 4.8 bits
... p10
{----------} p35-(23)-p10 3729082 Ga
|----------| p35-p10 3729082 total 7
... p10
{---------- ... p35-(24)-p10 37290
|---------- ... p35-p10 3729083 to


*3729090 *3729100 *3729110 *3729120 *3729130 *3729140 *3729150 *3729160
5' a a a t t g g t t a c g t t t a t c g c g g t g a t t g t t a c t t a t t a a a a c t g t c c t c t a a c t a c a g a a g g c c c t a c a c c a t g a a a a t a a 3'
-fMet - val - thr - phe - ile - ala - val - ile - val - thr - tyr -
-fMet - leu - leu - ile - lys - thr - val - leu -
- ile - gly - tyr - val - tyr - arg - gly - asp - cys - tyr - leu - leu - lys - leu - ser - ser - asn - tyr - arg - arg - pro - tyr - thr - met - lys - ile - lys -
... p10 3.8 bits p35 3.3 bits p10 3.3 bits sd [---------- ... NC_000913.xylF
{----------} p35-(24)-p10 3729120 Gap 2.4 bits
... ir
|----------| p35-p10 3729120 total 4.2 bits
{----------} sd-(10)-ir 3729154 Gap 2.7 bits
... p10 1.9 bits
|----------| sd-ir 3729154 xylA_xylF+ total 10.4 b
... } p35-(24)-p10 3729083 Gap 2.4 bits
... | p35-p10 3729083 total 4.3 bits
*3729170
5' a g a a c a t t c t 3'
- asn - ile -
... ---------- ... NC_000913.xylF
... ir xylA_xylF+