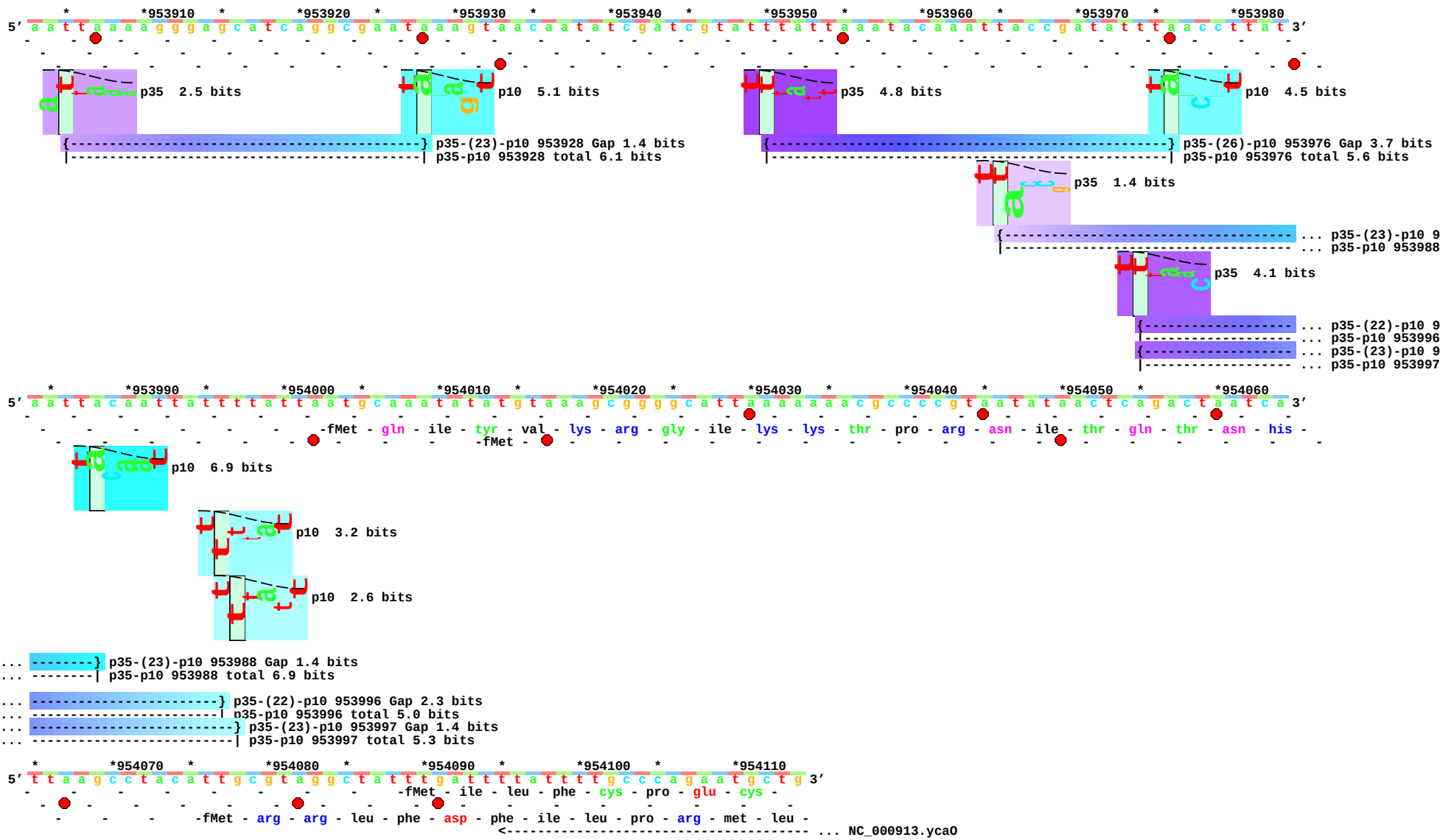
piece 1, NC_000913, focA_ycaO+, config: linear, direction: +, begin: 953660, end: 954114
*953660 *953670 *953680 *953690 *953700 *953710 *953720 *953730 *953740
5′ t a a a a g a t c a a a a g g g t t g t c a g c t t t c a c a c t a a c t c t c t c t t t a t t a a g t c g g c g a c g a g a t a c t a a c a a a g c a t t a t a 3′
- lys - arg - ser - lys - gly - leu - ser - ala - phe - thr - leu - thr - leu - ser - leu - leu - ser - arg - arg - arg - asp - thr - asn - lys - ala - leu -
- lys - asp - gln - lys - gly - cys - gln - leu - ser - his -
... ----------] NC_000913.focA
p10 2.6 bits
... ir
p35 5.5 bits
sd
{----------} p35-(26)-p10 953703 Gap 3.7 bits
|----------| p35-p10 953703 total 4.4 bits
{---------- ... sd-(9)-ir 953742 G
|---------- ... sd-ir 953742 focA_
*953750 *953760 *953770 *953780 *953790 *953800 *953810 *953820
5′ g a t g a g a a a t t g a t a t a g a t c a t a t c t c g c c t g g c t t a t a g g c c c g t a a c t c g c a t g g t t t t t a t g c a a a t a c g g a g t a a a 3′
-fMet - ile -
-fMet - arg - asn -
-fMet - val - phe - met - gln - ile - arg - ser - lys -
... ir focA_ycaO+
sd
[###> orf 4 codons
p35 3.8 bits
{---------- ... sd-(10)-ir 953825
... --} sd-(9)-ir 953742 Gap 2.3 bits
... --| sd-ir 953742 focA_ycaO+ total 5.9 bits
|---------- ... sd-ir 953825 focA_
{---------- ... p35-(23)-p10 95382
|---------- ... p35-p10 953825 tot
p35 3.0 bits
{---------- ... p35-(23)-p10 95382
|---------- ... p35-p10 953828 tot
*953830 *953840 *953850 *953860 *953870 *953880 *953890 *953900
5′ t a t t t g a t t a t c c a a a t a a a a a t a a a t t t t a a a a a t t a a c a a a t g a g t t g a a t t t t t t c c g c a t c c t c c g c t a a a a c a g t t 3′
- tyr - leu - ile - ile - gln - ile - lys - ile - asn - phe - lys - asn -
-fMet - ser -
-fMet - asn - phe - phe - arg - ile - leu - arg -
ir focA_ycaO+
[###> orf 12 codons
p10 2.7 bits
p10 3.3 bits
... ------} sd-(10)-ir 953825 Gap 2.7 bits
p35 4.7 bits
p10 1.4 bits
... ------| sd-ir 953825 focA_ycaO+ total 7.7 bits
... ------} p35-(23)-p10 953825 Gap 1.4 bits
{---------- p35-(21)-p10 953870 Gap 3.3 bits
|---------- p35-p10 953870 total 4.0 bits
... ------| p35-p10 953825 total 4.9 bits
p35 5.6 bits
p35 6.5 bits
p10 2.5 bits
{---------- p35-(23)-p10 953873 Gap 1.4 bits
... ----------} p35-(23)-p10 953828 Gap 1.4 bits
|---------- p35-p10 953873 total 5.5 bits
... ----------| p35-p10 953828 total 4.6 bits
{---------- p35-(24)-p10 953894 Gap 2.4 bits
p10 3.0 bits
|---------- p35-p10 953894 total 7.4 bits


*953910 *953920 *953930 *953940 *953950 *953960 *953970 *953980
5' aattaaaaggagcatcaggcgaataaagtaacaatatcgatcgtatttattaaatacaaattaccgatatttaaccttat 3'
p35 2.5 bits
p10 5.1 bits
p35 4.8 bits
p10 4.5 bits
{----------} p35-(23)-p10 953928 Gap 1.4 bits
|----------| p35-p10 953928 total 6.1 bits
{----------} p35-(26)-p10 953976 Gap 3.7 bits
|----------| p35-p10 953976 total 5.6 bits
p35 1.4 bits
... p35-(23)-p10 9
... p35-p10 953988
p35 4.1 bits
... p35-(22)-p10 9
... p35-p10 953996
... p35-(23)-p10 9
... p35-p10 953997
*953990 *954000 *954010 *954020 *954030 *954040 *954050 *954060
5' aattacaatttatttattaatgcaaatatatgtaaagcgggggcattaaaaaaaacgccccgtaatataactcagactaatca 3'
-fMet - gln - ile - tyr - val - lys - arg - gly - ile - lys - lys - thr - pro - arg - asn - ile - thr - gln - thr - asn - his -
-fMet -
p10 6.9 bits
p10 3.2 bits
p10 2.6 bits
... --------} p35-(23)-p10 953988 Gap 1.4 bits
... --------| p35-p10 953988 total 6.9 bits
... ----------} p35-(22)-p10 953996 Gap 2.3 bits
... ----------| p35-p10 953996 total 5.0 bits
... ----------} p35-(23)-p10 953997 Gap 1.4 bits
... ----------| p35-p10 953997 total 5.3 bits
*954070 *954080 *954090 *954100 *954110
5' ttaagcctacattgcgtaggctatttgattttattttgcccagaatgctg 3'
-fMet - ile - leu - phe - cys - pro - glu - cys -
-fMet - arg - arg - leu - phe - asp - phe - ile - leu - pro - arg - met - leu -
<---------- ... NC_000913.ycaO