

piece 1, NC_000913, essQ_TERM24+, config: linear, direction: +, begin: 1638580, end: 1639076

*1638580 * *1638590 * *1638600 * *1638610 * *1638620 * *1638630 * *1638640 * *1638650 * *1638660

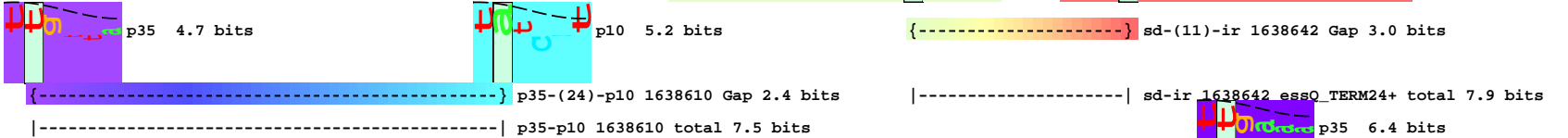
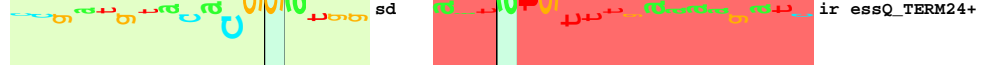
5' a c c t g t t g t t a a c t t a t c c a t t g a t t t c a t a t c c t c a c c c g a t g t a c a c g g a t g g t g c a a t a t g t t t g a a a g a t c g g a g 3'

- thr - cys - cys - - -fMet - tyr - thr - asp - gly - ala - ile - cys - leu - lys - arg - ser - glu -

- pro - val - val - asn - leu - ser - ile - asp - phe - ile - ser - ser - pro - arg - cys - thr - arg - met - val - gln - tyr - val - - -

- leu - leu - leu - thr - tyr - pro - leu - ile - ser - tyr - pro - his - pro - asp - val - his - gly - trp - cys - asn - met - phe - glu - lvs - ile - gly - val -

NC_000913.essQ

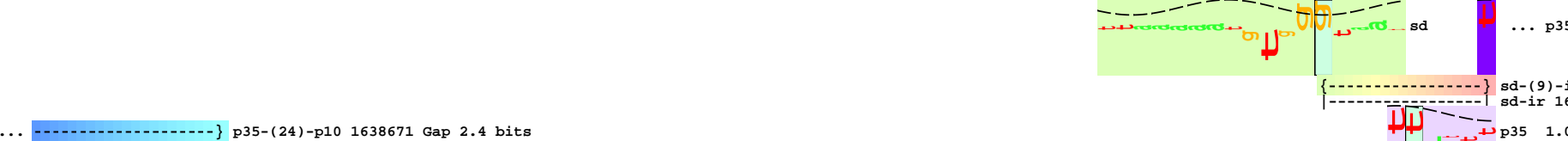


*1638670 * *1638680 * *1638690 * *1638700 * *1638710 * *1638720 * *1638730 * *1638740

5' t c t a c g g g g t a g t t t t g a c a g c a c a c g t t g t t c t c a a a a a a c a t a c a c a t t a a a a t g t g g g t a a t t a t t t 3'

- ser - thr - gly - - -fMet - phe - ser - thr - ala - leu - lys - lys - his - thr - his - - -

- tyr - gly - val - val - leu - thr - ala - his - val - val - leu - asn - gly - ala - lys - lys - thr - tyr - thr - leu - lys - met - trp - val - ile - ile - leu -

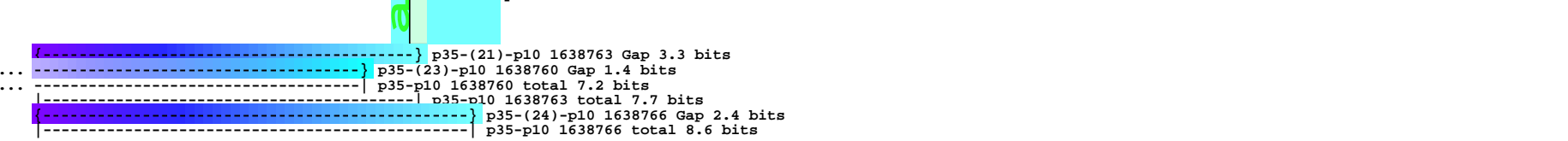
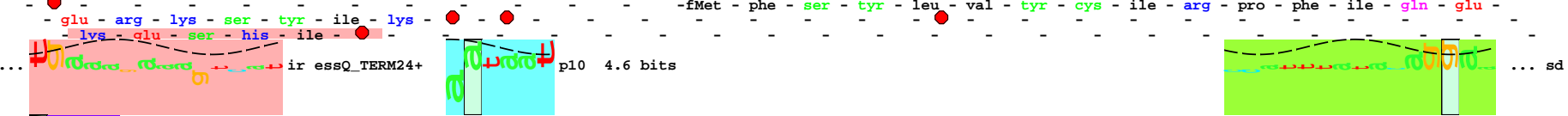


*1638750 * *1638760 * *1638770 * *1638780 * *1638790 * *1638800 * *1638810 * *1638820

5' t g a a g a a a g t c a t a t a t a a a a t a a t a a t a c g a g a a a t g t t t t c a t a t t t a g t g t a c t g t a t a c g g c c a t t t a t a c a g g a a 3'

- glu - arg - lys - ser - tyr - ile - lys - - -fMet - phe - ser - tyr - leu - val - tyr - cys - ile - arg - pro - phe - ile - gln - glu -

- lvs - glu - ser - his - ile - - -



p10 2.0 bits

p35-(26)-p10 1638768 Gap 3.7 bits
p35-p10 1638768 total 4.7 bits

5' *1638830 *1638840 *1638850 *1638860 *1638870 *1638880 *1638890 *1638900
 a a g c c t a t g t c a g a a c g t a a a a a c t c a a a a t c a c g c c g t a a t t a t c t c g t t a a a t g t t c c t g c c c a a a c t g c a c c c a a g a g 3'
 - lys - pro - met - ser - glu - arg - lys - asn - ser - lys - ser - arg - arg - asn - tyr - leu - val - lys - cys - ser - cys - pro - asn - cys - thr - gln - glu -

ir essQ_TERM24+

p35 1.9 bits p10 3.6 bits

sd-(9)-ir 1638829 Gap 2.3 bits
sd-ir 1638829 essQ_TERM24+ total 14.4 bits

p35-(23)-p10 1638888 Gap 1.4 bits
p35-p10 1638888 total 4.0 bits

5' *1638910 *1638920 *1638930 *1638940 *1638950 *1638960 *1638970 *1638980
 t c a g a a c a c a g t t t t t c a a g a g t a c a a a a a g g t g c c c t t t t g a t c t g c c c t c a t t g c a a c a a a g t a t t c c a g a c a a a t c t t 3'
 - ser - glu - his - ser - phe - ser - arg - val - gln - lys - gly - ala - leu - leu - ile - cys - pro - his - cys - asn - lys - val - phe - gln - thr - asn - leu -
 - arg - thr - gln - phe - phe - lys - ser - thr - lys - arg - cys - pro - phe - asp - leu - pro - ser - leu - gln - gln - ser - ile - pro - asp - lys - ser -

p35 6.1 bits p10 1.4 bits

p35-(21)-p10 1638979 Gap 3.3 bits
p35-p10 1638979 total 4.2 bits

p10 0.7 bits

p35-(22)-p10 1638980 Gap 2.3 bits
p35-p10 1638980 total 4.4 bits

p35 2.1 bits

... p35-(23)-p10 1638993 Gap
... p35-p10 1638993 total 4.1

5' *1638990 *1639000 *1639010 *1639020 *1639030 *1639040 *1639050 *1639060
 a a a g c t g t a g c c t g a t t g a t t t t a t t a g t a c a a a g t a t t t t t t a t a t t t t a a a t a t a t a t t t t a a a g c a g a t a a t a a a a a a a c 3'
 - lys - ala - val - ala - -fMet - ile - leu - leu - val - thr - ser - ile - phe - tyr - ile - leu - ile - ile - tyr - leu - lys - gln - ile - ile - lys - asn -

orf 57 codons

p10 1.3 bits

p10 4.3 bits

p10 3.4 bits p35 4.8 bits

p10 3.2 bits

p35 5.7 bits

p10 2.4 bits

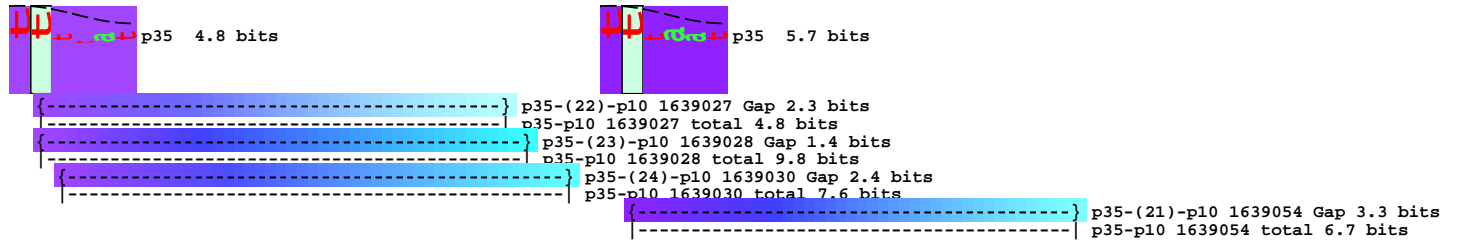
p35-(22)-p10 1639023 Gap 2.3 bits
p35-p10 1639023 total 4.7 bits
p35-(24)-p10 1639025 Gap 2.4 bits
p35-p10 1639025 total 6.4 bits

p35-(23)-p10 1638993 Gap 1.4 bits

p10 6.5 bits

p35-p10 1638993 total 4.1 bits

p10 5.2 bits



*1639070 *
5' c c g c c t g a g c g 3'
- pro - pro - glu -
- - - ● - - -