

piece 1, NC_000913, glnA_typA-, config: linear, direction: -, begin: 4056459, end: 4056038

* 4056450 * 4056440 * 4056430 * 4056420 * 4056410 * 4056400 * 4056390 * 4056380

5' gatggcgatatttacgcaattttttcgcatacaaaactttgctcagggcattagaaataggcggttatttgtacacggatttaacg 3'

- asp - gly - asp - ile - thr - gln - phe - phe - asp - his - asn - phe - ala - ser - gly - ile - arg - asn - ser - ala - leu - leu - tyr - thr - asp -

- met - ala - ile - leu - arg - asn - phe - ser - ile - thr - thr - leu - pro - gln - ala - leu - glu - ile - ala - arg - tyr - cys - thr - arg - ile - asn - arg -

- trp - arg - tyr - tyr - ala - ile - phe - arg - ser - gln - leu - cys - leu - arg - his -

* 4056370 * 4056360 * 4056350 * 4056340 * 4056330 * 4056320 * 4056310 * 4056300

5' cactacaaaacaggatcacaaaacatccctccggcaaaacaagtatttggcagaggtccctttgtgtatcgcttttcacggaggcattaaaaa 3'

- thr - thr - lys - gln - asp - his - lys - his - pro - pro - gln - thr - ser - ile - ala - glu - ser - leu - cys - asp - arg - phe - his - gly - ala -

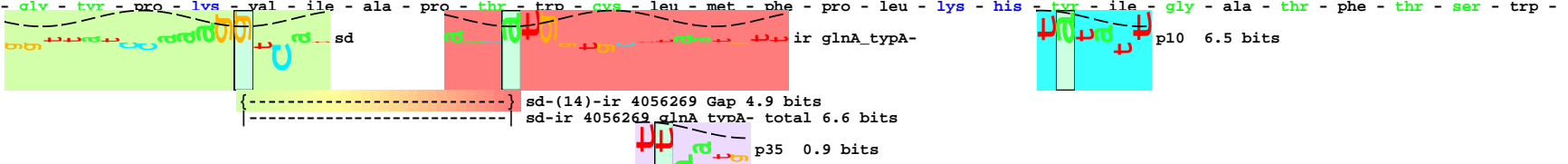
- fMet - fMet - gln - ser - pro - phe - val - ile - ala - phe - thr - glu - his - lys - lys -

* 4056290 * 4056280 * 4056270 * 4056260 * 4056250 * 4056240 * 4056230 * 4056220

5' aggggttatccaaagggtcatttgacccaacatgggtgcttaagtgtttccatttgaagcactataattgggtggcaacatttcacatcgt 3'

- fMet - his - gln - his - gly - ala - fMet - val - leu - asn - val - ser - ile - glu - ala - leu - tyr - trp - cys - ser - ile - his - ile - val -

- olv - tvr - pro - lvs - val - ile - ala - pro - thr - trp - cys - leu - met - phe - pro - leu - lys - his - tvr - ile - gly - ala - thr - phe - thr - ser - trp -



p35-(21)-p10 4056240 Gap 3.3 bits

p35-p10 4056240 total 4.1 bits

* 4056210 * 4056200 * 4056190 * 4056180 * 4056170 * 4056160 * 4056150 * 4056140

5' ggtgacagccctttttgacacgatgggtggcgcatagataaacgccttttttagggggcaattttaaaagttgggcacagatttcgcttttatc 3'

- gly - ala - ala - leu - leu - his - asp - gly - ala - his - asp - asn - ala - phe - fMet - ala - gln - ile - ser - leu - tvr - leu -

- val - gln - pro - phe - cys - thr - met - val - arg - met - ile - thr - pro - phe - arg - gly - asn - leu - lys - val - gly - thr - asp - phe - ala - leu - ser -

- cys - ser - pro - phe - ala - arg - trp - cys - ala -



p35-(26)-p10 4056138 Gap 3.7 bits

p35-p10 4056138 total 6.3 bits

... p35-(24)-p10 4056115 Gap

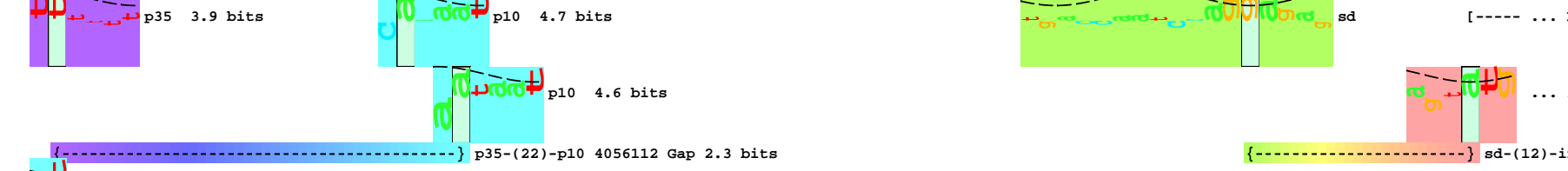
... p35-p10 4056115 total 4.2

* 4056130 * 4056120 * 4056110 * 4056100 * 4056090 * 4056080 * 4056070 * 4056060

5' ttttttacggcgacacggccaaaataattgacagattttcgttaaccaacgacgacccatgaccaaattccaggagaggttaagatag 3'

- phe - leu - arg - arg - his - gly - gln - asn - asn - cys - arg - phe - arg - tyr - his - asp - asp - his - asp - gln - ser - arg - arg - val - lys - val - cys -

- phe - tyr - gly - asp - thr - ala - lvs - ile - ile - ala - asp - phe - val - thr - thr - thr - thr - met - thr - asp - pro - gly - glu - leu - lys - tyr - val -



sd-(12)-ir 4056057 Gap 4.0 bits

sd-ir 4056057 glnA_typA- total 9.0

... p10 4.5 bits

-----| p35-p10 4056112 total 6.2 bits

... p35 1.9 bits

... p35-(24)-p10 4056115 Gap 2.4 bits
-----| p35-p10 4056115 total 4.2 bits

*4056050 * *4056040
5' t c c g c t g a a c a c g t a c t 3'
- ser - ala - glu - his - val -
- pro - leu - ~~asn~~ - thr - tyr -
- arg - ● -

... NC_000913.glnA

... ir glnA_typA-

[# ... orf