

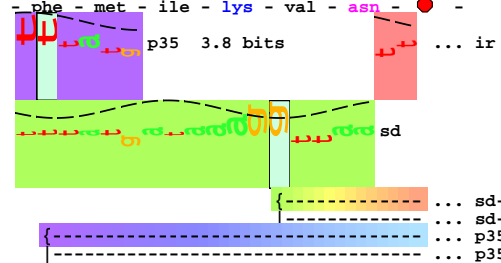
piece 1, NC_000913, xapR_xapB-, config: linear, direction: -, begin: 2520780, end: 2520480

*2520780 * *2520770 * *2520760 * *2520750 * *2520740 * *2520730 * *2520720 * *2520710 * *2520700

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

- lys - ile - lys - his - arg - ala - val - thr - his - arg - ala - ala - phe - met - ile - lys - val - asn -

- asp - lys - ala - ser - ser - gly - asp - ser - leu - lys - gly - phe - ala - ala - leu - leu - phe - arg - ala - ala - phe - met - ile - lys - val - asn -

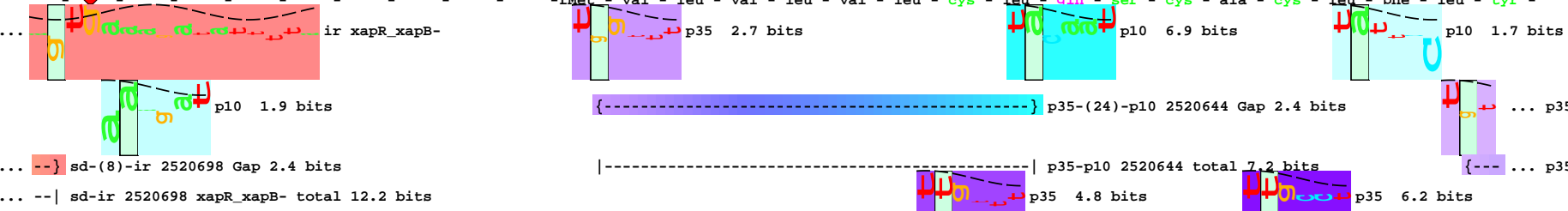


*2520690 * *2520680 * *2520670 * *2520660 * *2520650 * *2520640 * *2520630 * *2520620

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

- fMet - lys - asp - ile - leu - phe - ser - ser - gly - val - gly - phe - gly - ile - gly - ala - leu - phe - thr - ile - val - arg - leu - pro - ile - pro - val -

- fMet - val - leu - val - leu - val - leu - val - leu - cys - leu - gln - ser - cys - ala - cys - leu - phe - leu - tyr -

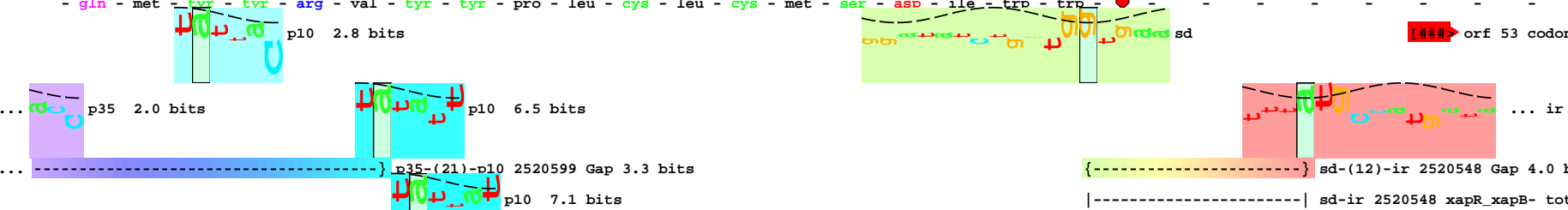


*2520610 * *2520600 * *2520590 * *2520580 * *2520570 * *2520560 * *2520550 * *2520540

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

- pro - asn - val - leu - pro - gly - ile - leu - ser - ile - val - phe - met - tyr - val - gly - tyr - leu - val - val - lys - tyr - phe - met - pro -

- gln - met - tyr - tyr - arg - val - tyr - tyr - pro - leu - cys - leu - cys - met - ser - asp - ile - trp - trp -



...-----| p35-p10 2520599 total 5.2 bits
...-----} p35-(23)-p10 2520597 Gap 1.4 bits
...-----| p35-p10 2520597 total 7.6 bits

{-----} ... sd-(14)-ir 2520527 Gap
|-----} ... sd-ir 2520527 xapR_xapB-
... p10

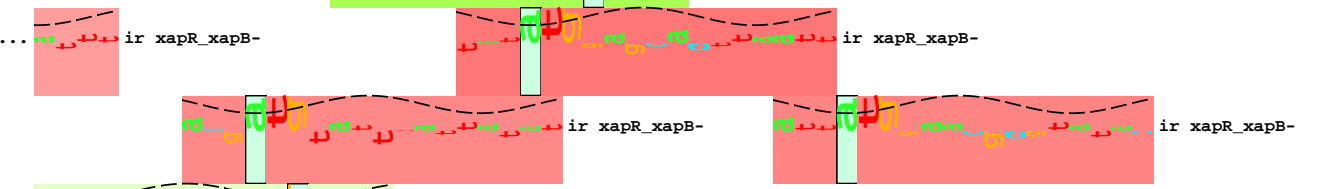
{-----} p35-(23)-p10 2520538 Gap 1.4 b
|-----} p35-p10 2520538 total 4.6 bits
... p35 2.5 bits

{-----} ... p35-(23)-p10 2520519 Gap
|-----} ... p35-p10 2520519 total 8.1

*2520530 *2520520 *2520510 *2520500 *2520490 *2520480
5' a t t t a a t a c g a t g t a t t t a t t a t a t g g a g c a c t t a a t t a t g g a a c g c g t a t a c a g a a c 3'

ile - fMet - tyr - leu - leu - tyr - gly - ala - leu - asn - tyr - gly - thr - arg - ile - gln - asn -
- fMet - glu - his - leu - ile - met - glu - arg - val - tyr - arg -

[###] orf 4 codons sd [-----] ... NC_000913.xapR



sd {-----} sd-(12)-ir 2520499 Gap 4.0 bits
ir xapR_xapB- |-----| sd-ir 2520499 xapR_xapB- total 11.4 bits

{-----} sd-(11)-ir 2520514 Gap 3.0 bits
|-----} sd-ir 2520514 xapR_xapB- total 7.2 bits
sd p10 7.1 bits p10 3.3 bits

{-----} sd-(14)-ir 2520527 Gap 4.9 bits
|-----} sd-ir 2520527 xapR_xapB- total 5.0 bits
p10 4.4 bits p35 2.7 bits

{-----} p35-(23)-p10 2520502 Gap 1.4 bits
|-----} p35-p10 2520502 total 4.6 bits

{-----} p35-(23)-p10 2520519 Gap 1.4 bits
|-----} p35-p10 2520519 total 8.1 bits