

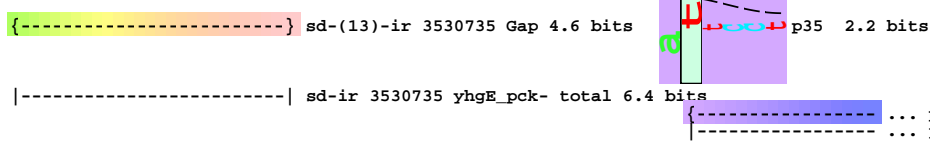
piece 1, NC_000913, yhgE_pck-, config: linear, direction: -, begin: 3530869, end: 3530442

5' ^{*}ttggcggggtcaaacattgtttaacggcgcaattttcaactgctccttagcccaatgtagttgcttgcctgaaatagtaaagttcttttggc3'
 - leu - arg - gly - gln - thr - ile - val - asn - ala - his - phe - thr - ala - pro - fMet - val - leu - pro - glu - ser - lys - val - phe - leu - gly -
 - cys - gly - val - lys - pro - leu - leu - thr - arg - ile - ser - leu - leu - leu - ser - gln - tyr - val - leu - pro - glu - ser - lys - val - phe - leu - gly -
 - ala - gly - ser - asn - his - cys - fMet - tyr - cys - leu - asn - ser - lys - val - phe - leu - gly -

-----] NC_000913.pck

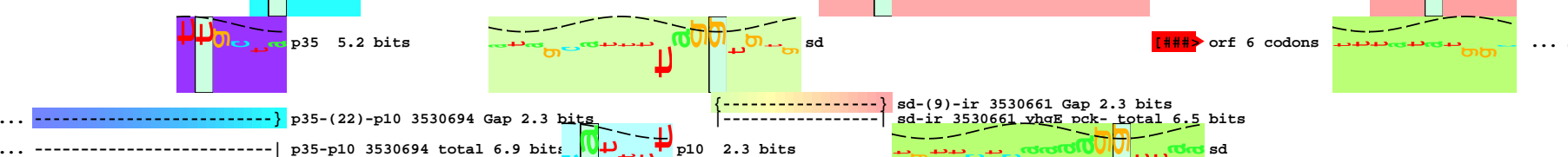
5' ^{*}gggtgttaaccggcgcagacaaggctcatagattttacggtatctgggagaaattcatttttgacaaaaaactccgctgattccctgtca3'
 - val - leu - thr - ala - thr - arg - leu - ile - asp - leu - arg - ile - trp - arg - asn - ser - tyr - leu - thr - lys - asn - ser - val - ile - pro - val - thr -

sd ir yhgE_pck-



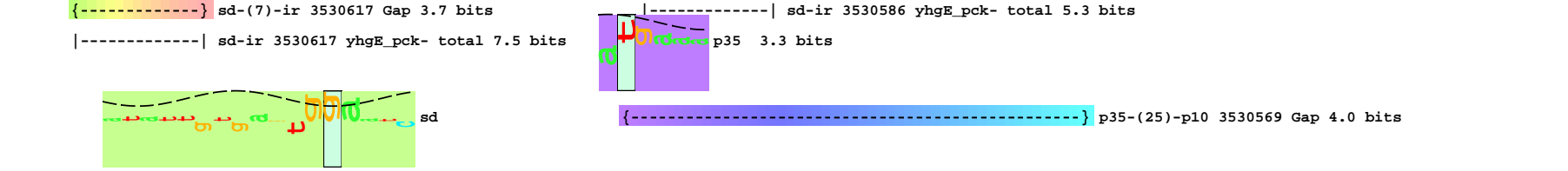
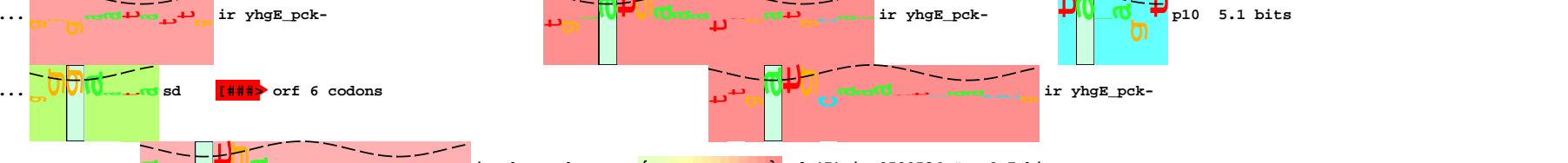
5' ^{*}cgaaacgggttgctattatcggcagaaatagcatttttaggggtgggaaaaatgttctcaaaaagggttaaatcttgggtttatattggc3'
 - lys - arg - leu - leu - leu - ser - gln - lys - fMet - trp - lys - met - phe - ser - lys - gly - fMet - val - tyr - met - ala -

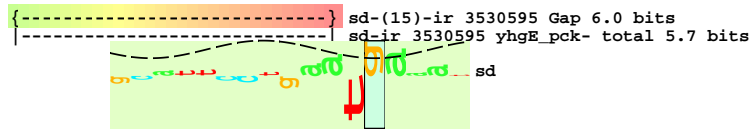
sd ir yhgE_pck- ir



5' ^{*}gggaatattgtgagtggaatcgcattcctgaaatgaaattgcaaatccaaccgggtaaagtagattcaccacgctaacc3'
 - gly - asn - ile - val - ser - gly - ile - ala - phe - leu - asn - glu - ile - asp - ala - asn - ser - thr - gly - lys - val - ser - ile - his - his - ala - asn -
 - gly - ile - leu - fMet - glu - ser - his - ser - fMet - lys - leu - met - gln - ile - gln - pro - val - lys - tyr - arg - phe - thr - thr - leu - thr -

sd ir yhgE_pck- ir yhgE_pck- p10 5.1 bits





-----| p35-p10 3530569 total 4.4 bits

*3530540 * *3530530 * *3530520 * *3530510 * *3530500 * *3530490 * *3530480 * *3530470 *

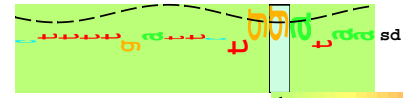
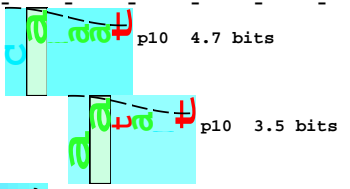
5' t t t t t t t g a t t a t t t t c t g a a a a a g c a a a a t a c t a c t g c c c g g a t g c g a t a a t t a a c c c a c c t t t t g a t t c t g g a t a a c c 3'

- phe - phe - - phe - leu - lys - lys - ala - lys - tyr - tyr - cys - pro - asp - ala - ile - ile - - asn - pro - pro - phe - asp - ser - gly - -

- -fMet - ile - ile - phe - - -fMet - arg - - -fMet - ile - leu - asp - asn - gln -

[###> orf 27 codons

[###> orf 43 codons



-----| p35-(21)-p10 3530518 Gap 3.3 bits

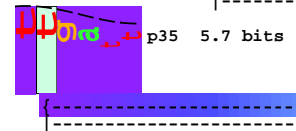
-----| p35-p10 3530518 total 7.1 bits

-----| p35-(24)-p10 3530515 Gap 2.4 bits

-----| ... sd-(10)-ir 3530461 Gap

-----| ... sd-ir 3530461 yhgE_pck- t

-----| p35-p10 3530515 total 6.8 bits



-----| ... p35-(24)-p10 3530455 Gap

-----| ... p35-p10 3530455 total 6.3

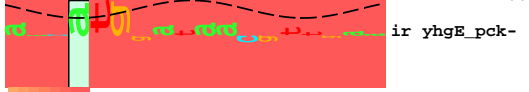
*3530460 * *3530450 *

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

- -fMet - asp - asn - val - glu - leu -

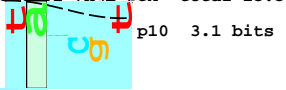
- -his - gly - -fMet - asn - phe -

-----| ... NC_000913.yhgE



... -----| sd-(10)-ir 3530461 Gap 2.7 bits

... -----| sd-ir 3530461 yhgE_pck- total 13.3 bits



... -----| p35-(24)-p10 3530455 Gap 2.4 bits

... -----| p35-p10 3530455 total 6.3 bits