

piece 1, NC_000913, malP_malT+, config: linear, direction: +, begin: 3550466, end: 3551126

5' ^{*3550470 *} ^{*3550480 *} ^{*3550490 *} ^{*3550500 *} ^{*3550510 *} ^{*3550520 *} ^{*3550530 *} ^{*3550540 *} ^{*3550550 *} ^{*3550560 *} ^{*3550570 *} ^{*3550580 *} ^{*3550590 *} ^{*3550600 *} ^{*3550610 *} ^{*3550620 *} 3'

- leu - leu - ile - val - lys - asn - arg - leu - fMet - thr - leu - asp - phe - gln - his - asn - val - ile - ala - ser - leu - pro -

- cys - leu - ser - leu - lys - ile - gly - cys - asp - ile - gly - val - pro - leu - phe - leu - asp - phe - gln - his - asn - val - ile - ala - ser - leu - pro -

- ala - tyr - arg - fMet - thr

...] NC_000913.malP p10 4.7 bits p10 3.4 bits

p35 3.7 bits p35 4.6 bits ... p35

{ p35-(26)-p10 3550514 Gap 3.7 bits p35-p10 3550514 total 4.7 bits } ... p35-(26)-p10 3550569 Gap 3.7 bits
 { p35-(21)-p10 3550539 Gap 3.3 bits p35-p10 3550539 total 4.7 bits }

5' ^{*3550550 *} ^{*3550560 *} ^{*3550570 *} ^{*3550580 *} ^{*3550590 *} ^{*3550600 *} ^{*3550610 *} ^{*3550620 *} 3'

- gly - ser - met - leu - thr - phe - leu - ile - leu - arg - gly - ile - arg - gln - gly - gly - val - ala - gly - met - ser - lys - glu - met - fMet - ile - ser -

- gly - ser - met - leu - thr - phe - leu - ile - leu - arg - gly - ile - arg - gln - gly - gly - val - ala - gly - met - ser - lys - glu - met - fMet - ile - ser -

- fMet - arg - gly

p10 2.3 bits sd ir malP_malT+

... p35 6.1 bits [###] orf 6 codons

{ p35-(26)-p10 3550569 Gap 3.7 bits p35-p10 3550569 total 4.7 bits } { sd-(11)-ir 3550605 Gap 3.0 bits sd-ir 3550605 malP_malT+ total 9.5 bits }

5' ^{*3550630 *} ^{*3550640 *} ^{*3550650 *} ^{*3550660 *} ^{*3550670 *} ^{*3550680 *} ^{*3550690 *} ^{*3550700 *} 3'

- thr - thr - fMet - gln - thr - thr - gly - leu - ala - ser - asn - gln - cys - asn - thr - ala - gln - lys - ile - cys - ile - fMet - gln - lys -

- thr - thr - fMet - gln - thr - thr - gly - leu - ala - ser - asn - gln - cys - asn - thr - ala - gln - lys - ile - cys - ile - fMet - gln - lys -

sd ir malP_malT+

{ sd-(16)-ir 3550671 Gap 6.4 bits sd-ir 3550671 malP_malT+ total 5.3 bits }

5' ^{*3550710 *} ^{*3550720 *} ^{*3550730 *} ^{*3550740 *} ^{*3550750 *} ^{*3550760 *} ^{*3550770 *} ^{*3550780 *} 3'

- fMet - arg - ile - phe - lys - lys - arg - lys - val - thr - leu - fMet - lys - gln - phe - his - lys -

- asn - gly - arg - cys - val - phe - ser - lys - ser - gly - arg - met - ala - val - ala - tyr - phe - gln - lys - ala - glu - gly - asn - ser - ile - asn - fMet - lys - gln - phe - his - lys -

- met - ala - val - ala - tyr - phe - gln - lys - ala - glu - gly - asn - ser - ile - asn - fMet - lys - gln - phe - his - lys -

p35 5.2 bits [###] orf 25 codons

p10 5.7 bits

{ p35-(25)-p10 3550752 Gap 4.0 bits p35-p10 3550752 total 6.9 bits }

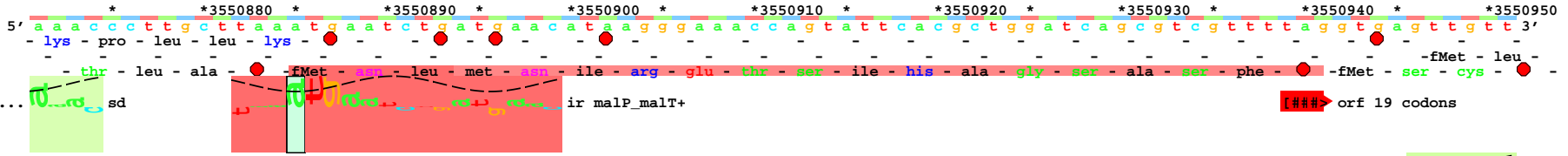
5' ^{*3550790 *} ^{*3550800 *} ^{*3550810 *} ^{*3550820 *} ^{*3550830 *} ^{*3550840 *} ^{*3550850 *} ^{*3550860 *} ^{*3550870 *} 3'

- fMet - cys - ser - ile - ser - phe - leu - ile - asp - leu - leu - arg - ser - ser - phe - fMet - ala - leu - ser - ser - gly - met - lys - lys -

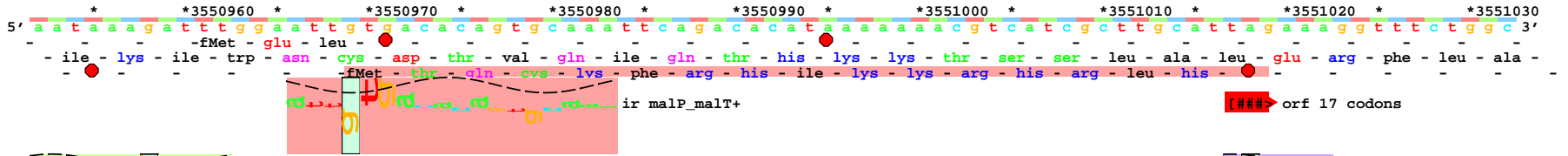
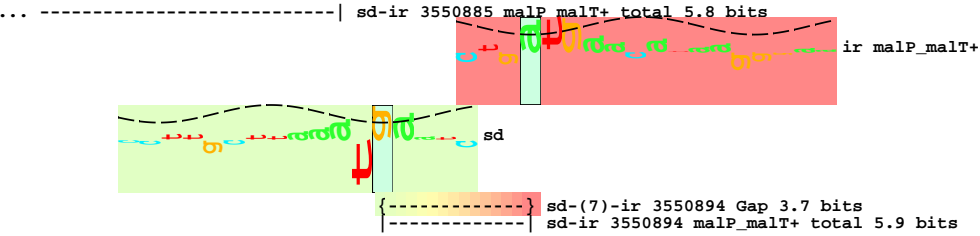
- fMet - leu - his - leu - ile - leu - asn - arg - phe - ile - lys - ile - ile - phe - leu - asp - gly - thr - phe - ile - arg - asn - glu - glu - glu -

sd

{ ... sd-(15)-ir 3550885 Gap



sd-(15)-ir 3550885 Gap 6.0 bits



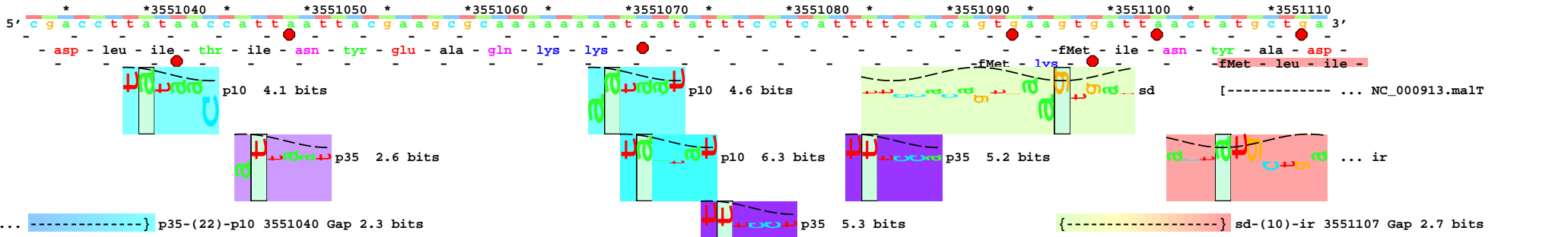
sd-(11)-ir 3550969 Gap 3.0 bits

sd-ir 3550969 malP_malT+ total 6.8 bits

p35 2.3 bits

... p35-(22)-p10 3551040 Gap

... p35-p10 3551040 total 4.1



p35-(22)-p10 3551040 Gap 2.3 bits

p35 2.6 bits

p10 4.1 bits

p10 4.6 bits

p10 6.3 bits

p35 5.2 bits

sd-(10)-ir 3551107 Gap 2.7 bits

p35 5.3 bits

sd-ir 3551107 malP_malT+ total 5.0 bits

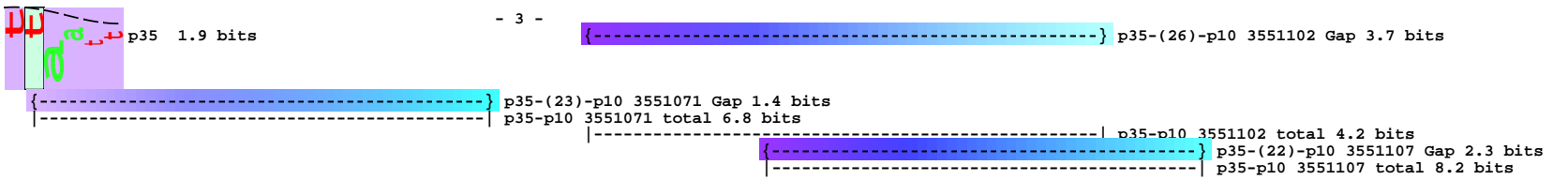
p10 2.6 bits

p35-p10 3551040 total 4.1 bits

p35-(22)-p10 3551069 Gap 2.3 bits

p35-p10 3551069 total 4.8 bits

p10 5.3 bits



3551120

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

- ser - val - lys - thr -

- pro - ser - lys -

... NC_000913.malt

... ir malP_malt+