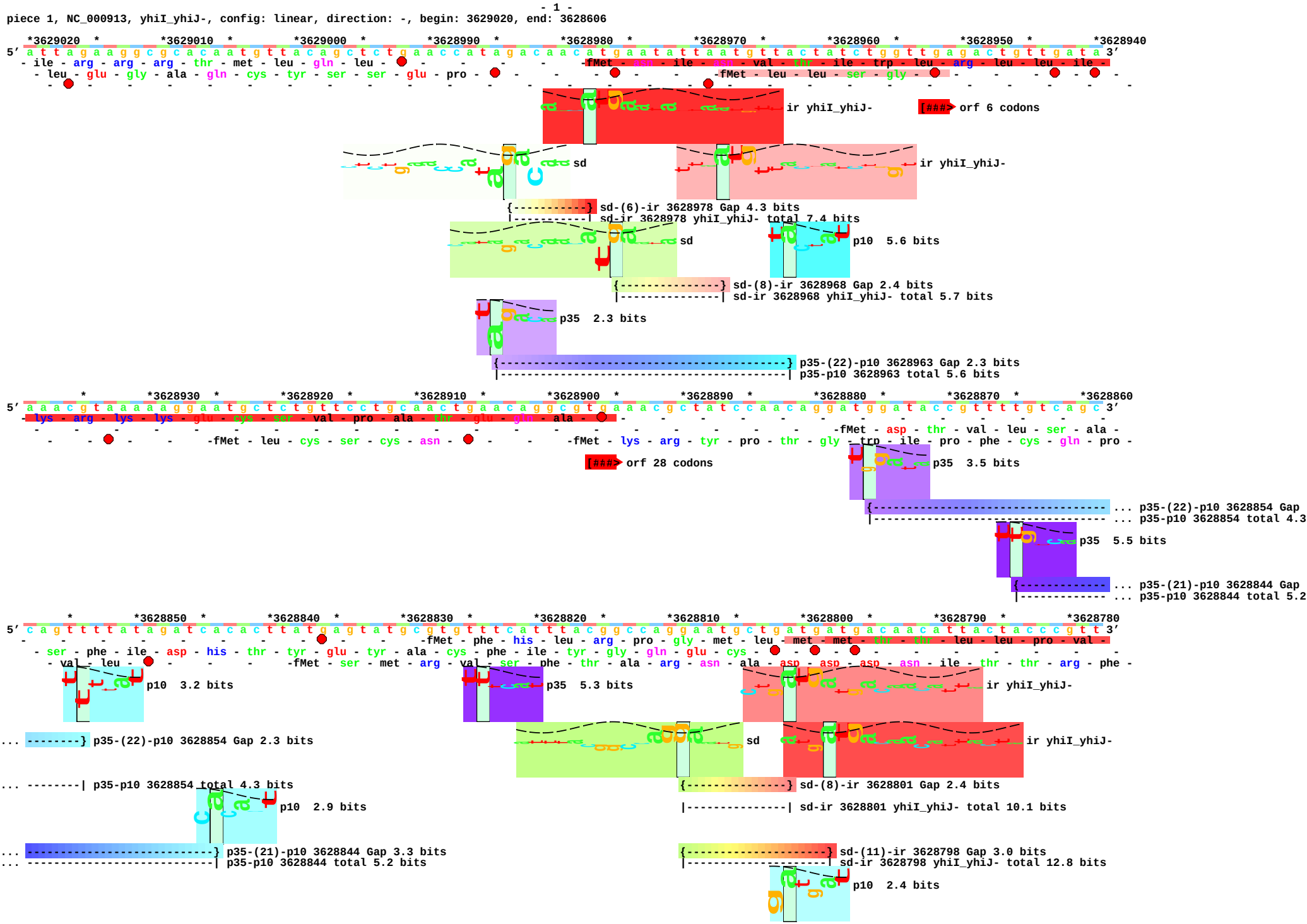
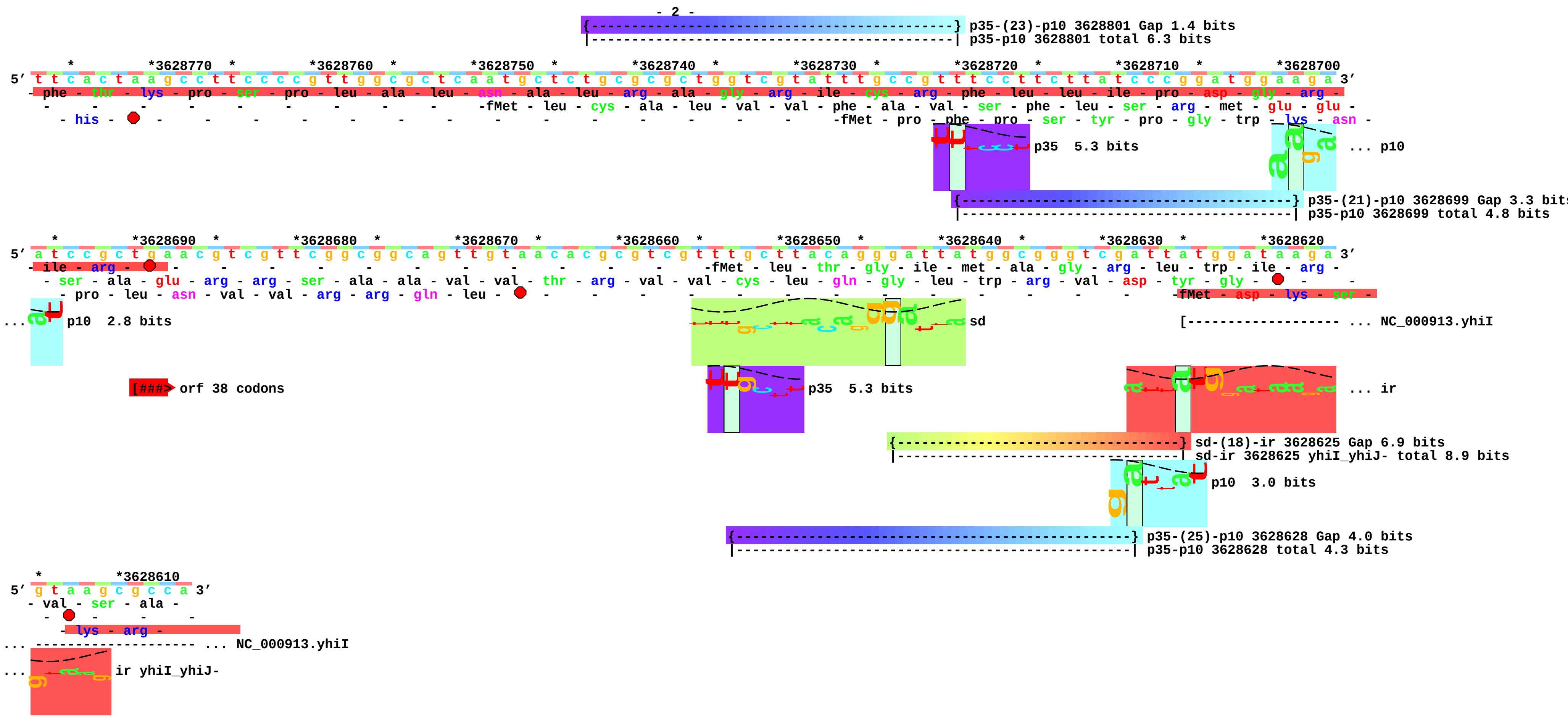

- 1 -
piece 1, NC_000913, yhiI_yhiJ-, config: linear, direction: -, begin: 3629020, end: 3628606
*3629020 *3629010 *3629000 *3628990 *3628980 *3628970 *3628960 *3628950 *3628940
5′ a t t a g a a g g c g c a c a a t g t t a c a g c t c t g a a c c a t a g a c a a c a t g a a t a t t a a t g t t a c t a t c t g g t t g a g a c t g t t g a t a 3′
- ile - arg - arg - arg - thr - met - leu - gln - leu - -fMet - asn - ile - asn - val - thr - ile - trp - leu - arg - leu - leu - ile -
- leu - glu - gly - ala - gln - cys - tyr - ser - ser - glu - pro - -fMet - leu - leu - ser - gly -
ir yhiI_yhiJ- [###> orf 6 codons
sd
ir yhiI_yhiJ-
{----------} sd-(6)-ir 3628978 Gap 4.3 bits
|----------| sd-ir 3628978 yhiI_yhiJ- total 7.4 bits
sd
p10 5.6 bits
{----------} sd-(8)-ir 3628968 Gap 2.4 bits
|----------| sd-ir 3628968 yhiI_yhiJ- total 5.7 bits
p35 2.3 bits
{----------} p35-(22)-p10 3628963 Gap 2.3 bits
|----------| p35-p10 3628963 total 5.6 bits
*3628930 *3628920 *3628910 *3628900 *3628890 *3628880 *3628870 *3628860
5′ a a a c g t a a a a a g g a a t g c t c t g t t c c t g c a a c t g a a c a g g c g t g a a a c g c t a t c c a a c a g g a t g g a t a c c g t t t t g t c a g c 3′
- lys - arg - lys - lys - glu - cys - thr - val - pro - ala - thr - glu - gln - ala - -fMet - asp - thr - val - leu - ser - ala -
-fMet - leu - cys - ser - cys - asn - -fMet - lys - arg - tyr - pro - thr - gly - trp - ile - pro - phe - cys - gln - pro -
[###> orf 28 codons
p35 3.5 bits
{---------- ... p35-(22)-p10 3628854 Gap
|---------- ... p35-p10 3628854 total 4.3
p35 5.5 bits
{---------- ... p35-(21)-p10 3628844 Gap
|---------- ... p35-p10 3628844 total 5.2
*3628850 *3628840 *3628830 *3628820 *3628810 *3628800 *3628790 *3628780
5′ c a g t t t t a t a g a t c a c a c t t a t g a g t a t g c g t g t t t c a t t t a c g g c c a g g a a t g c t g a t g a t g a c a a c a t t a c t a c c c g t t 3′
- ser - phe - ile - asp - his - thr - tyr - glu - tyr - ala - cys - phe - ile - tyr - gly - gln - glu - cys -
- val - leu - -fMet - ser - met - arg - val - ser - phe - thr - ala - arg - asn - ala - asp - asp - asp - asn - ile - thr - thr - arg - phe -
p10 3.2 bits
p35 5.3 bits
ir yhiI_yhiJ-
... --------} p35-(22)-p10 3628854 Gap 2.3 bits
sd
ir yhiI_yhiJ-
... --------| p35-p10 3628854 total 4.3 bits
{----------} sd-(8)-ir 3628801 Gap 2.4 bits
|----------| sd-ir 3628801 yhiI_yhiJ- total 10.1 bits
p10 2.9 bits
... ----------} p35-(21)-p10 3628844 Gap 3.3 bits
... ----------| p35-p10 3628844 total 5.2 bits
{----------} sd-(11)-ir 3628798 Gap 3.0 bits
|----------| sd-ir 3628798 yhiI_yhiJ- total 12.8 bits
p10 2.4 bits


- 2 -
{--} p35-(23)-p10 3628801 Gap 1.4 bits
|--| p35-p10 3628801 total 6.3 bits
* *3628770 * *3628760 * *3628750 * *3628740 * *3628730 * *3628720 * *3628710 * *3628700
5' t t c a c t a a g c c t t c c c c g t t g g c g c t c a a t g c t c t g c g c g c t g g t c g t a t t t g c c g t t t c c t t c t t a t c c c g g a t g g a a g a 3'
- phe - thr - lys - pro - ser - pro - leu - ala - leu - asn - ala - leu - arg - ala - gly - arg - ile - cys - arg - phe - leu - leu - ile - pro - asp - gly - arg -
-fMet - leu - cys - ala - leu - val - val - phe - ala - val - ser - phe - leu - ser - arg - met - glu - glu -
- his - -fMet - pro - phe - pro - ser - tyr - pro - gly - trp - lys - asn -
p35 5.3 bits
... p10
{--------------------------------------} p35-(21)-p10 3628699 Gap 3.3 bits
|--------------------------------------| p35-p10 3628699 total 4.8 bits
* *3628690 * *3628680 * *3628670 * *3628660 * *3628650 * *3628640 * *3628630 * *3628620
5' a t c c g c t g a a c g t c g t t c g g c g g c a g t t g t a a c a c g c g t c g t t t g c t t a c a g g g a t t a t g g c g g g t c g a t t a t g g a t a a g a 3'
- ile - arg - -fMet - leu - thr - gly - ile - met - ala - gly - arg - leu - trp - ile - arg -
- ser - ala - glu - arg - arg - ser - ala - ala - val - val - thr - arg - val - val - cys - leu - gln - gly - leu - trp - arg - val - asp - tyr - gly -
- pro - leu - asn - val - val - arg - arg - gln - leu - -fMet - asp - lys - ser -
... p10 2.8 bits
sd
[------------------ ... NC_000913.yhiI
[###> orf 38 codons
p35 5.3 bits
... ir
{--------------------------------} sd-(18)-ir 3628625 Gap 6.9 bits
|--------------------------------| sd-ir 3628625 yhiI_yhiJ- total 8.9 bits
p10 3.0 bits
{--} p35-(25)-p10 3628628 Gap 4.0 bits
|--| p35-p10 3628628 total 4.3 bits
* *3628610
5' g t a a g c g c c a 3'
- val - ser - ala -
- lys - arg -
... ------------------- ... NC_000913.yhiI
... ir yhiI_yhiJ-