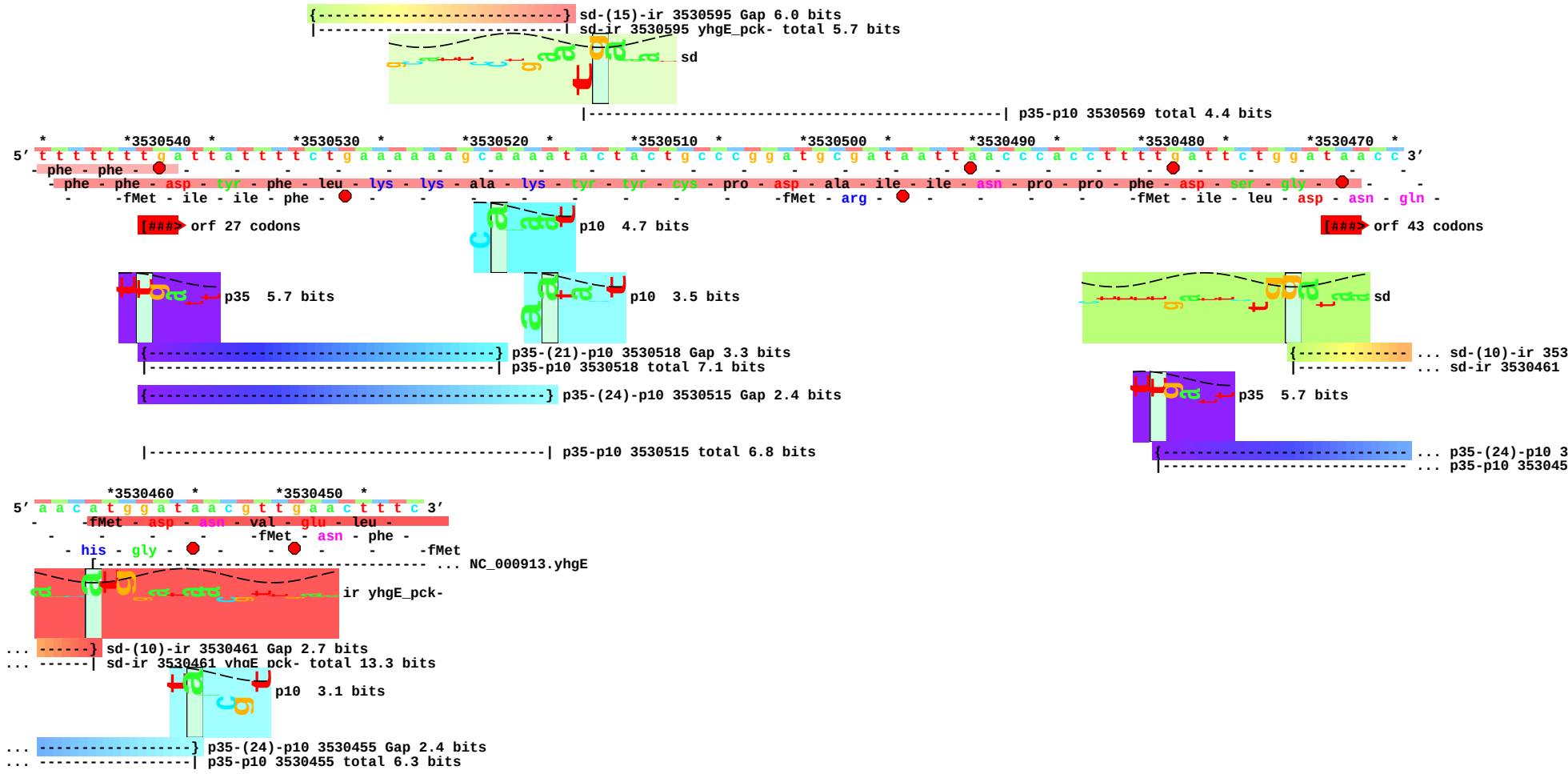
- 1 -
piece 1, NC_000913, yhgE_pck-, config: linear, direction: -, begin: 3530869, end: 3530442
*3530860 *3530850 *3530840 *3530830 *3530820 *3530810 *3530800 *3530790
5′ t t g c g g g g t c a a a c c a t t g t t a a c g c g c a t t t c a c t g c t c c t t a g c c a a t a t g t a t t g c c t g a a t a g t a a a g t c t t t t t g g 3′
- leu - arg - gly - gln - thr - ile - val - asn - ala - his - phe - thr - ala - pro -
- cys - gly - val - lys - pro - leu - leu - thr - arg - ile - ser - leu - leu - leu - ser - gln - tyr - val - leu - pro - glu -
- ala - gly - ser - asn - his - cys -
-fMet - tyr - cys - leu - asn - ser - lys - val - phe - leu - gly -
... ----------] NC_000913.pck
*3530780 *3530770 *3530760 *3530750 *3530740 *3530730 *3530720 *3530710
5′ g g g t g t t a a c c g c g a c a a g g c t c a t a g a t t t a c g t a t c t g g a g a a a t t c a t a t t t g a c a a a a a a c t c c g t g a t t c c t g t c a 3′
- 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-
{----------} sd-(13)-ir 3530735 Gap 4.6 bits
p35 2.2 bits
|----------| sd-ir 3530735 yhgE_pck- total 6.4 bits
{---------- ... p35-(22)-p10 35306
|---------- ... p35-p10 3530694 to
*3530700 *3530690 *3530680 *3530670 *3530660 *3530650 *3530640 *3530630
5′ c g a a a c g g t t g c t a t t a t c g c a g a a a t a g c a t t t t a g g t g t g g a a a a t g t t c t c a a a a g g t t a a a t c t t g g t t t a t a t g g c 3′
-fMet - glu - asn - val - leu - lys - arg - leu - asn - leu - gly - leu - tyr - gly -
-fMet - trp - lys - met - phe - ser - lys - gly -
-fMet - val - tyr - met - ala -
- lys - arg - leu - leu - leu - ser - gln - lys -
p10 7.1 bits
[###> orf 19 codons
ir yhgE_pck-
... ir
p35 5.2 bits
sd
[###> orf 6 codons
... sd
{----------} sd-(9)-ir 3530661 Gap 2.3 bits
... ----------} p35-(22)-p10 3530694 Gap 2.3 bits
|----------| sd-ir 3530661 yhgE_pck- total 6.5 bits
... ----------| p35-p10 3530694 total 6.9 bits
p10 2.3 bits
sd
{----------} sd-(17)-ir 3530631 Gap 6.5 bits
{----------} p35-(21)-p10 3530677 Gap 3.3 bits
|----------| sd-ir 3530631 yhgE_pck- total 5
|----------| p35-p10 3530677 total 4.2 bits
*3530620 *3530610 *3530600 *3530590 *3530580 *3530570 *3530560 *3530550
5′ g g g a a t a t t g t g a g t g g a a t c g c a t t c c t g a a t g a a a t t g a t g c a a a t t c a a c c g g t a a a g t a t c g a t t c a c c a c g c t a a c 3′
- 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 -
... ir yhgE_pck-
ir yhgE_pck-
p10 5.1 bits
... sd
[###> orf 6 codons
ir yhgE_pck-
ir yhgE_pck-
{----------} sd-(7)-ir 3530586 Gap 3.7 bits
{----------} sd-(7)-ir 3530617 Gap 3.7 bits
|----------| sd-ir 3530586 yhgE_pck- total 5.3 bits
|----------| sd-ir 3530617 yhgE_pck- total 7.5 bits
p35 3.3 bits
sd
{----------} p35-(25)-p10 3530569 Gap 4.0 bits


{----------} sd-(15)-ir 3530595 Gap 6.0 bits
|----------| sd-ir 3530595 yhgE_pck- total 5.7 bits
sd
|----------| 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 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 - - -