

piece 1, NC_000913, sthA_fabR+, config: linear, direction: +, begin: 4158784, end: 4159166

* 4158790 * * 4158800 * * 4158810 * * 4158820 * * 4158830 * * 4158840 * * 4158850 * * 4158860 *

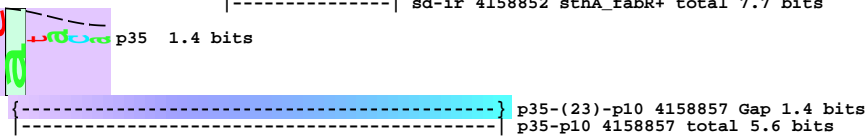
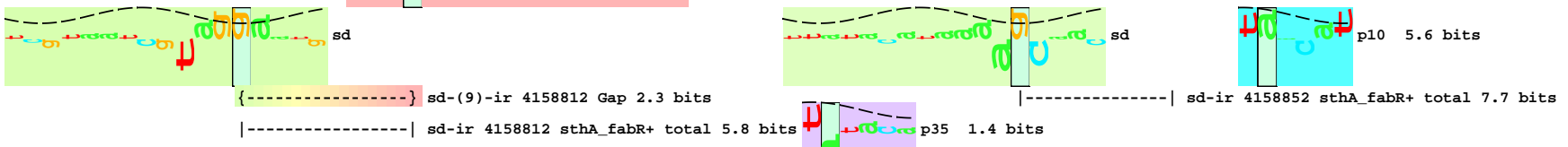
5' t a t g g c a t c g t a a t c g t a g g a a t g t g g c a t g g t a g g g c t t a c c t g t t c t t a t a c a t a a a g c a a c a g a a t g g t a a c a t t t t 3'

- tyr - gly - ile - val - ile - val - gly - met - trp - his - gly - arg - ala - tyr - leu - phe - leu - tyr - ile - lys - ala - thr - glu - trp - - - -

- met - ala - ser - - - - -fMet - val - gly - leu - thr - cys - ser - tyr - thr - - - - -fMet - val - thr - phe - tyr - -

- trp - his - arg - asn - arg - arg - asn - val - ala - trp - - - - -

...-----] NC_000913.sthA



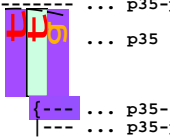
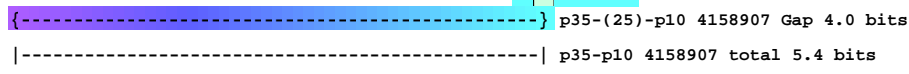
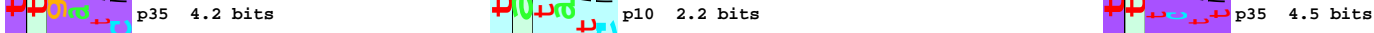
* 4158870 * * 4158880 * * 4158890 * * 4158900 * * 4158910 * * 4158920 * * 4158930 * * 4158940 *

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

- arg - gly - - - -fMet - ile - pro - val - ile - tyr - leu - ala - ile - ser - - - - -fMet - ser - val - ser - tyr - phe - cys - -

- - - - -fMet - leu - cys - leu - phe - leu - thr - phe - ala - -

... ir sthA_fabR+

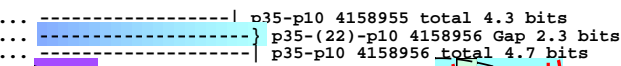
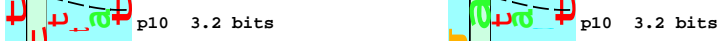


* 4158950 * * 4158960 * * 4158970 * * 4158980 * * 4158990 * * 4159000 * * 4159010 * * 4159020 *

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

- pro - asp - val - leu - leu - asp - phe - tyr - arg - arg - tyr - ser - pro - phe - lys - arg - gln - val - ser - ala - val - arg - lys - arg - thr - gly - gln -

- leu - thr - phe - tyr - trp - ile - phe - ile - asp - asp - thr - leu - arg - leu - ser - gly - arg - phe - pro - leu - tyr - val - lys - glu - pro - ala - lys -



p10 2.6 bits

p35 4.8 bits

{-----} p35-(21)-p10 4158976 Gap 3.3 bits
 {-----} p35-p10 4158976 total 4.7 bits
 {-----} p35-(23)-p10 4158978 Gap 1.4 bits
 {-----} p35-p10 4158978 total 7.9 bits

*4159030 * *4159040 * *4159050 * *4159060 * *4159070 * *4159080 * *4159090 * *4159100 *
 5' a a g a a t t g c a g t a a a t a t g t t t t a t t g c g t t a c g t t c a t t c a c a a t a c t g g a g c a a t c c a g t a t g t t c a t t c t c t g g t a t 3'
 -fMet - arg - tyr - arg - ser - phe - thr - ile - leu - glu - gln - ser - ser - met - phe - ile - leu - trp - tyr -
 - arg - ile - ala - val - asn - met - phe - tyr - cys - val - thr - val - his - ser - gln - tyr - trp - ser - asn - pro - val - cys - ser - phe - ser - gly - ile -
 - glu - leu - gln -

p35 4.8 bits

sd

[-----] ... NC_000913.fabR

p35 4.8 bits

p10 4.1 bits

ir sthA_fabR+

{-----} sd-(12)-ir 4159090 Gap 4.0 bits
 {-----} sd-ir 4159090 sthA_fabR+ total 6.8 bits

{-----} p35-(22)-p10 4159069 Gap 2.3 bits

p10 4.6 bits

|-----| p35-p10 4159069 total 6.5 bits

p10 3.5 bits

{-----} p35-(24)-p10 4159072 Gap 2.4 bits
 {-----} p35-p10 4159072 total 5.9 bits

p35 1.1 bits

{-----} p35-(23)-p10 4159090 Gap 1.4 bits
 {-----} p35-p10 4159090 total 4.2 bits

*4159110 * *4159120 * *4159130 * *4159140 * *4159150 * *4159160 *
 5' a g t g c c a g c a g t a c t t t t g g c a a g g a t t c a g a c a t c g t g a t g g g c g t a a g a g c g c a a c a 3'
 -ser - ala - ser - ser - thr - phe - gly - lys - asp - ser - asp - ile - val - met - gly - val - arg - ala - gln -
 - val - pro - ala - val - leu - leu - ala - arg - ile - gln - thr - ser -

... NC_000913.fabR