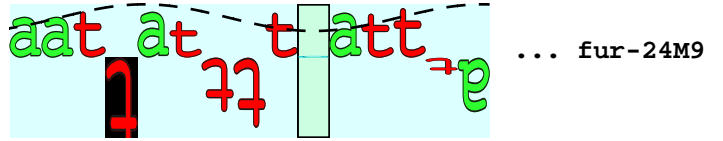


*80 * *90 * *100 * *110



* *120
5' t g t t c g c g a 3'
...)-)-)-)-)-)-)-) odd64.yoeA 86.5 bits

... c Fur consensus.7.11.17.18.19

... t fur-11M9 2.3 bits

... tt fur-11M9 3.5 bits

The diagram shows a sequence of nucleotides: t tt. The 't' is red, and 'tt' is red. A vertical light pink bar is positioned under the 't' and 'tt'. A dashed line is above the sequence.

... tt fur-24M9 4.0 bits

The diagram shows a sequence of nucleotides: t tt. The 't' is red, and 'tt' is red. A vertical light blue bar is positioned under the 't' and 'tt'. A dashed line is above the sequence.

[-----] hairpin+

... tt fur-11M9 17.2 bits

... ttatc t fur-11M9 14.0 bits

... t at t t att fur-11M9 3.1 bits

... tt fur-24M9 19.4 bits

... ttatc t fur-24M9 12.4 bits

... t at t t att fur-24M9 1.7 bits

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

... at a a at a at fur-11M9 3.1 bits

... at a a at a at fur-24M9 1.7 bits

[-----t-----t-----c-----] Fur consensus.6.10.13.15.17

[-----g-----t-----a-----] Fur consensus.7.9.11

... a gataa at at a t fur-11M9 14.0 bits

... aa gataat a t tcatt fur-11M9 17.2 bits

... aat a t attatcat fur-11M9 10.5 bits

a g a t a a a t a t a t fur-24M9 12.4 bits

aa g a t a a t a t t c a t t fur-24M9 19.4 bits

a a t a t a t t a t t a t c a t fur-24M9 8.9 bits

* *120
5' a g t t c g c g a 3'
...)-)-)-)-)-)-)-) odd64.fepD-ents 86.5 bits

[-----] hairpin

[-----] hairpin

g-a-----t-

... Fur consensus.1

... Fur consensus.7



... fur-11M9



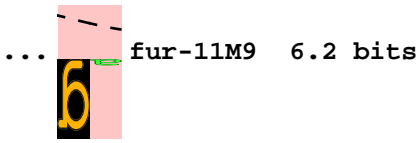
... fur-11M9



... fur-11M9



... fur-11M9



... fur-11M9 6.2 bits

... fur-11M9



... fur-24M9



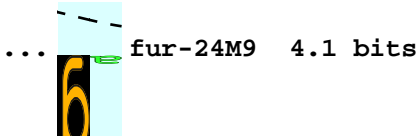
... fur-24M9



... fur-24M9



... fur-24M9



... fur-24M9 4.1 bits

... fur-24M9

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

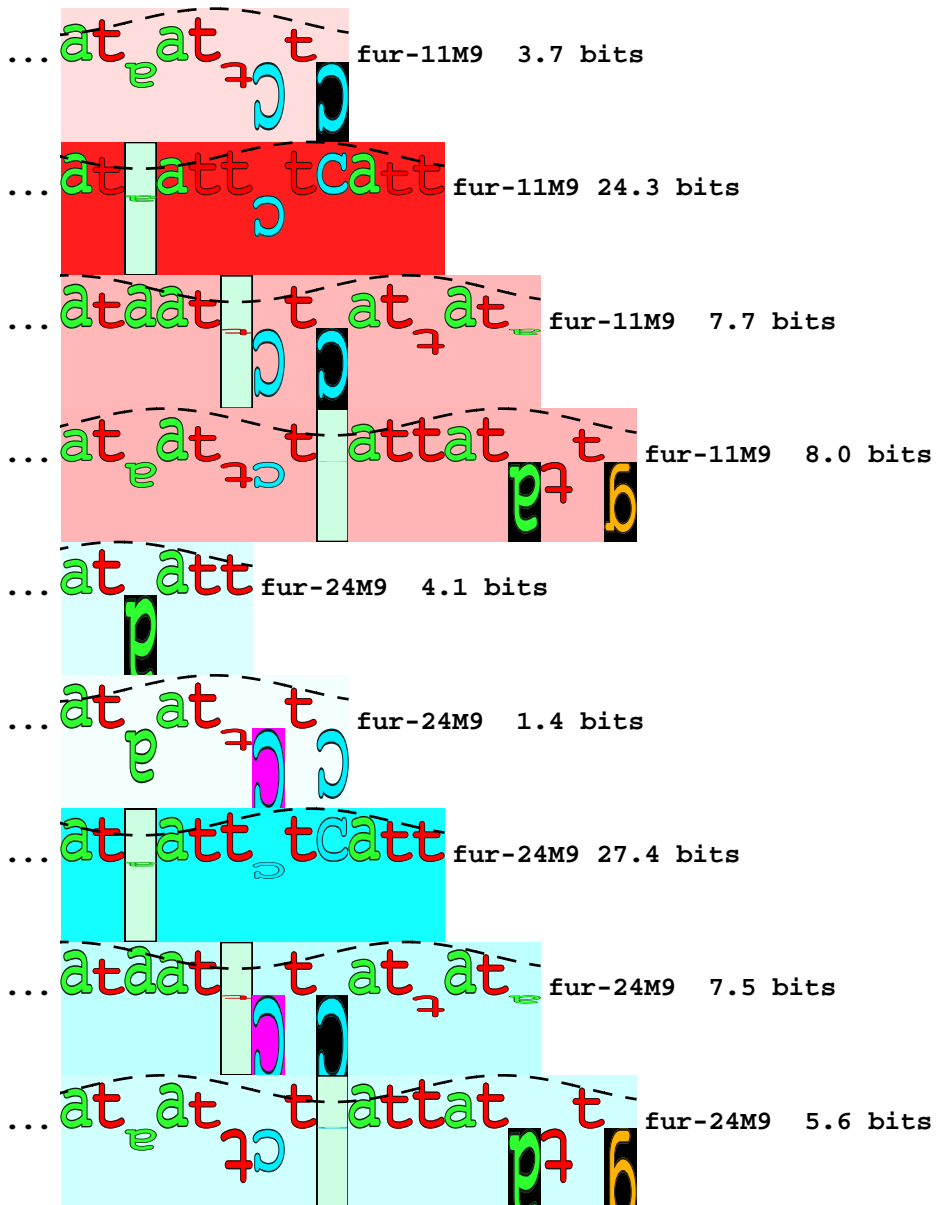
...)-) odd52.gpmA 68.5 bits

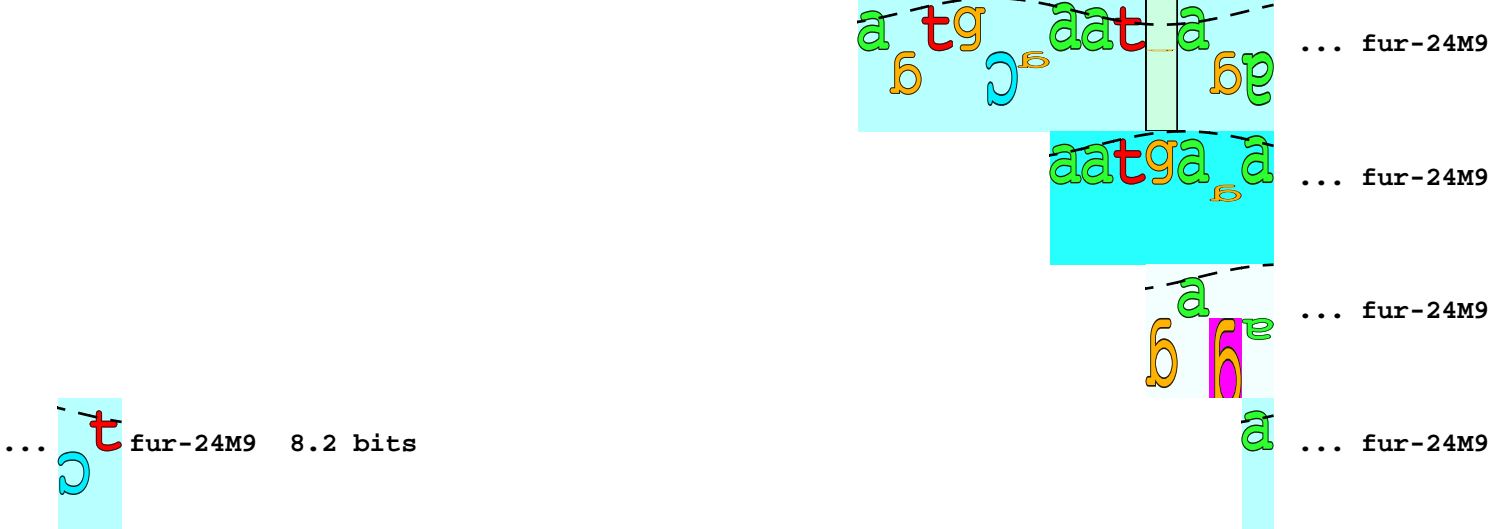
... ---c-----a---] Fur consensus.1.2.10.13.17

... ---g-----a-----c Fur consensus.7.11.19

... a t a t t fur-11M9 6.2 bits





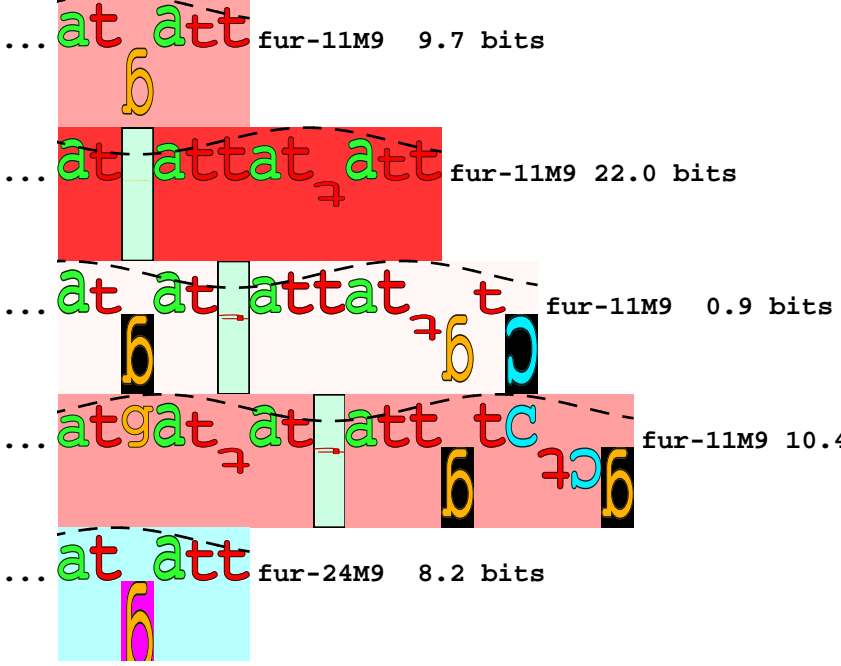


5' a t g a t t a t t a t t g t c t c g c g c g a 3'

...)-) odd52.ryhB 68.5 bits

... ---c-----c Fur consensus.2.3.9.10.13.19

... -----c-----a---] Fur consensus.3.13.17

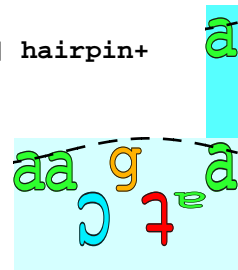


... at attat att fur-24M9 25.2 bits

... at at attat t fur-24M9 1.4 bits

... atgat at att tc fur-24M9 8.3 bits

[-----] hairpin+ ... fur-24M9



... fur-24M9

... tt fur-11M9 16.1 bits



... tt fur-24M9 19.5 bits



5' a c g a g a a t g a t t a t t a t a a a g a t a a g a t a a c g c g a 3' odd58.fhuA 77.5 bits

... a a at att fur-11M9 6.3 bits



... a ga aat attat at fur-24M9 19.5 bits

... a a at att fur-24M9 4.9 bits

[---t---c---t---t-c Fur consensus.3.13.16.18.19

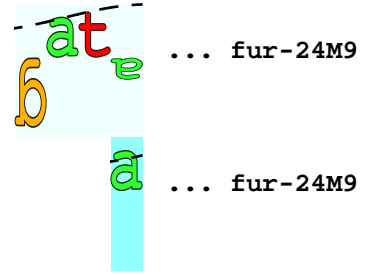


fur-11M9 2.2 bits

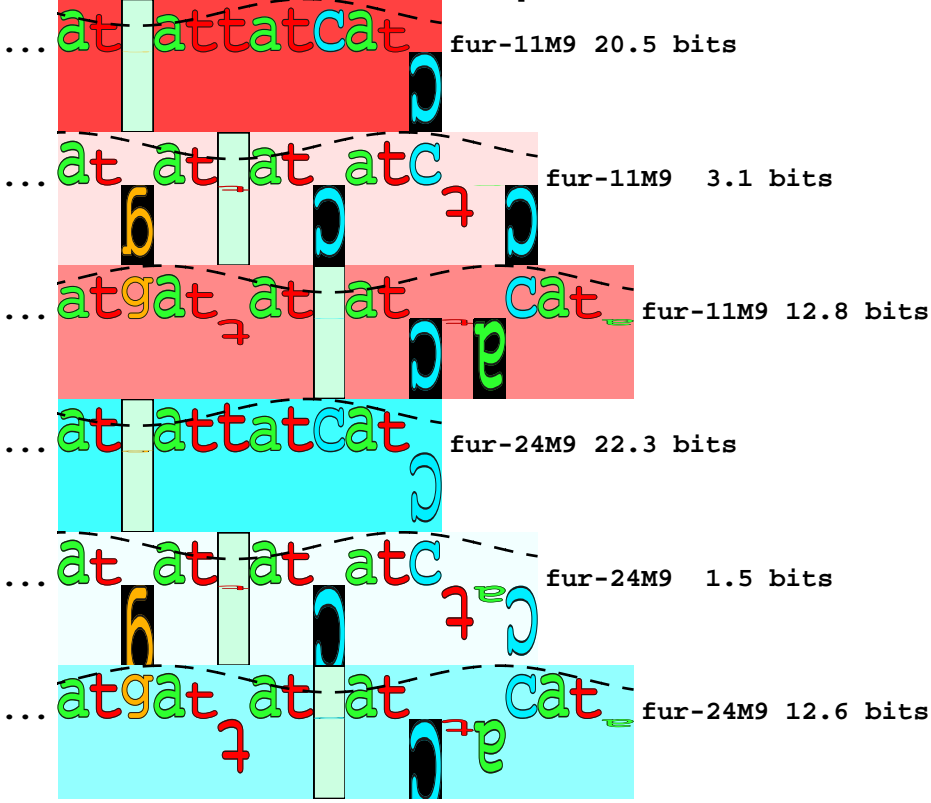
- 16 -
aatgat at at a at fur-11M9 11.6 bits

at ataa at a fur-11M9 1.5 bits

aatgat at at a at fur-24M9 10.7 bits



5' a t g a t t a t c a t c t a c a t a c g c g a 3'
...)-) odd52.nohA 68.5 bits
... ---c-----] Fur consensus.1.3.5.10.13
... -----t-a-t-] Fur consensus.16.17.18



piece 7, oppA, oppA, config: linear, direction: +, begin: 1, end: 111

5' g c t a t c g c g t t c t t t a t t g g t a a t g a g a a t a a t t a a c a 3' ... odd58.oppA

[-----] Fur consensus.2.9.10.1
a t g t a a t a a t a t t fur-11M9 12.4 bits

a a t g a a a t a t t a c a ... fur-11M9

a t g t a a t a a t a t t fur-24M9 9.6 bits

a a t g a a a t a t t a c a ... fur-24M9

5' a t t a a a g a a c g a t c g c g c g a a g c g c g a t c g t t c t t t a a 3' ... odd58.oppA

[-----] hairpin ... fur-11M9

[-----] hairpin+ ... fur-24M9

t fur-11M9 18.7 bits

t fur-24M9 21.5 bits

5' t t g t t a a t t a t t c t c a t t a c c a a t a a a g a a c g c g a 3' ... odd58.oppA 77.5 bits

t g t a a t a t t t c a t t fur-11M9 18.7 bits

... **t**_g **t**_â**a****a****t** | **a****t****t** **t**_c**a****a****t** 20 -
fur-24M9 21.5 bits

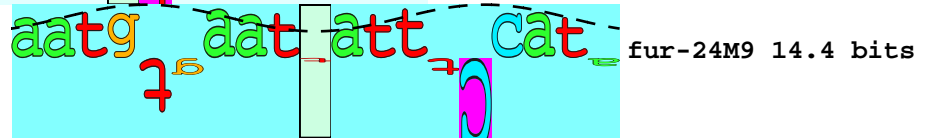
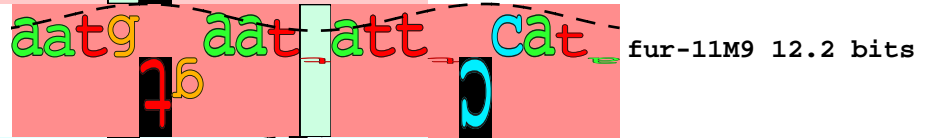
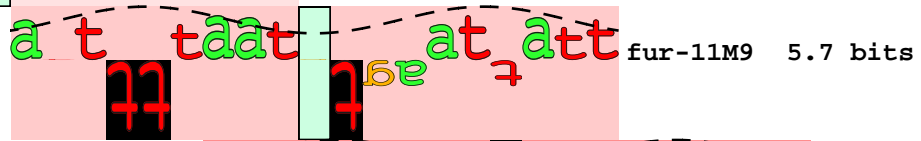
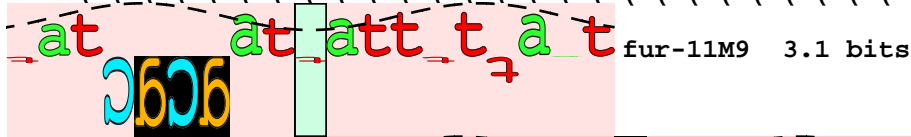
[-a-----a-----t-] Fur consensus.2.7.11.18

a**a****t** **a****t** **t** | **a****t****t****a** **c****a** **t** fur-11M9 12.4 bits

a**a****t** **a****t** **t** | **a****t****t****a** **c****a** **t** fur-24M9 9.6 bits

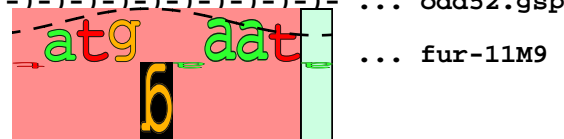
piece 8, gspC, gspC, config: linear, direction: +, begin: 1, end: 99

5' g c t a t c g c g a t t a t t t t t a a t g t g a a t t a t t t c c a t a c 3' ... odd52.gspC

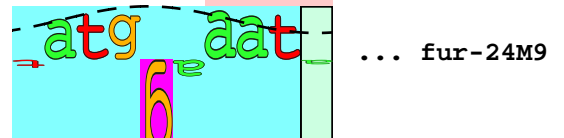


... 5' a a a c g a t c g c g c g a a g c g c g a t c g t t t g t a t g g a a a t a 3' ... odd52.gspC

[-----] hairpin



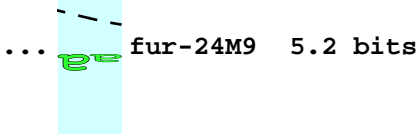
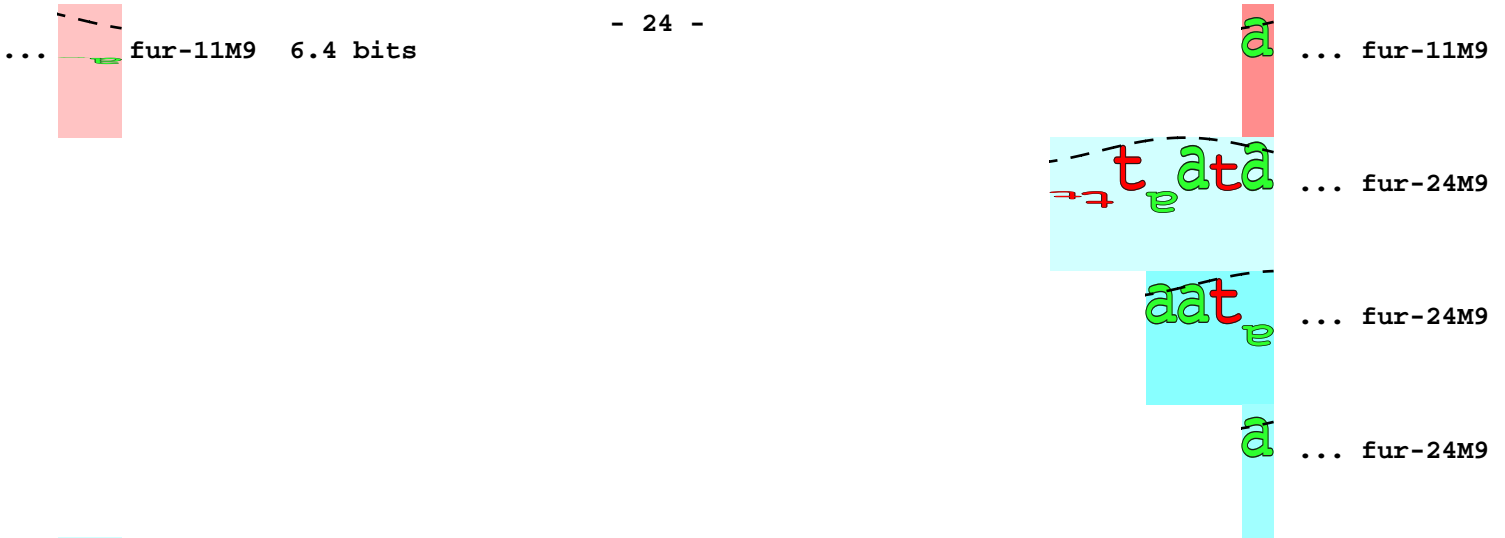
[-----] hairpin+



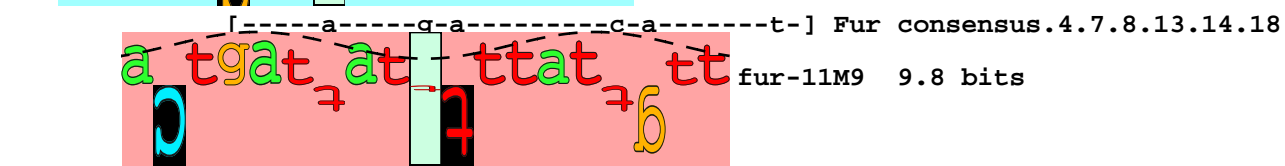
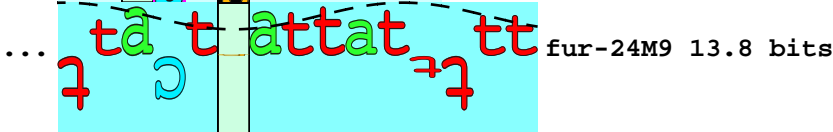
... 5' a t t c a c a t t a a a a a t a a t c g c g a 3' ... odd52.gspC 68.5 bits

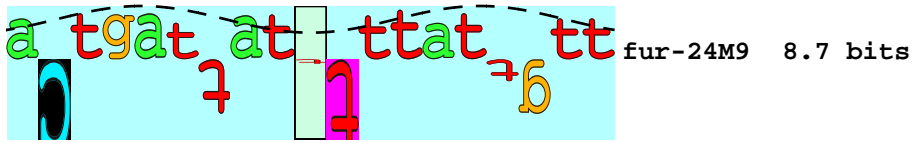


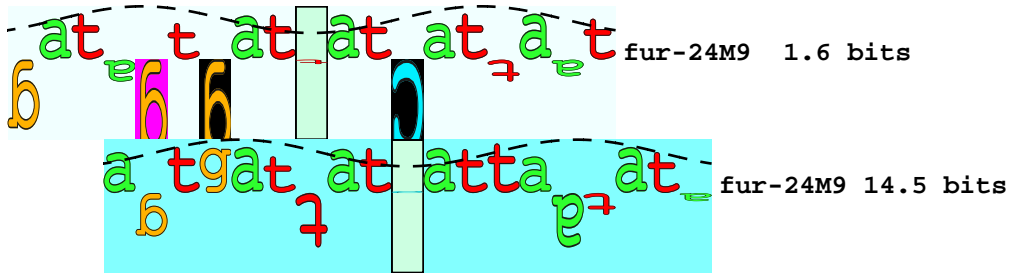




5' t t a c t g a t t a t t t t t a t t g t t a c c c g c g a 3'
...)-) odd55.yhaU 73.0 bits
... a-----a-----c-a-----c Fur consensus.1.2.5.13.14.19







atgata

... fur-24M9

a

... fur-24M9

... tt fur-11M9 3.8 bits

5' ttgattatcatagtggtacgcga 3'
... odd52.fadD 68.5 bits
... Fur consensus.5.16.17.19

... t attatcat fur-11M9 19.7 bits

... t att fur-11M9 3.8 bits

... tgat at at t t fur-11M9 6.8 bits

... t attatcat fur-24M9 21.7 bits

... tgat at at t t fur-24M9 3.7 bits

... t fur-11M9 4.0 bits

... t cat fur-11M9 7.0 bits

... t fur-24M9 0.8 bits

... t cat fur-24M9 2.8 bits

5' g t a a t g a g a a c g a c t a t c a a t t c g a c g t c g t 3' odd56.exbB 74.5 bits

... t at a fur-11M9 7.0 bits

... t a a t a a a t fur-11M9 4.0 bits

... t at a fur-24M9 2.8 bits

... t a a t a a a t fur-24M9 0.8 bits

exbB Fur consensus marked on Eick-Helmerich/Brau

aatga aa a tatca t fur-11M9 17.5 bits

aatga aa a tatca t fur-24M9 19.1 bits

piece 14, exbD, exbD, config: linear, direction: +, begin: 1, end: 107

