

piece 1, WFS1_WFS1.txt , piece 1, config: linear, direction: +, begin: 6283447, end: 6283555

*6283450 * *6283460 * *6283470 * *6283480 *

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

- K - H - Y - L - Q - L - A - G - D - T - D - E - E -

- S - T - T - C - S - W - P - A - T - R - M - K - N -

- A - L - P - A - V - G - R - R - H - G - ● - R - T -

... ----- ... exon 4.62834

*6283490 * *6283500 * *6283510 * *6283520

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

- L - N - S - C - T - A - V - D - W - L - V - L - A -

- S - T - A - A - P - L - W - T - G - W - S - S - P -

- Q - Q - L - H - R - C - G - L - A - G - P - R - R -

... ----- ... exon 4.62834



* *6283530 * *6283540 * *6283550 *

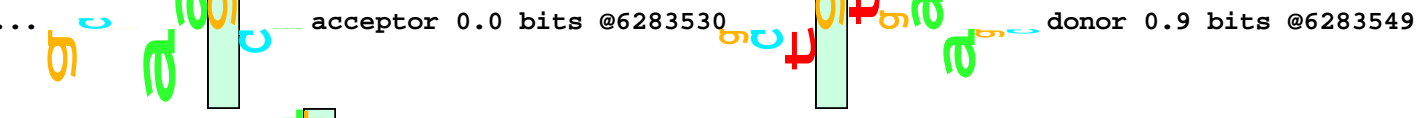
5' g c g a a g c a g g g c c g t c g c g a g g c t g t g a a g c 3'

- A - K - Q - G - R - R - E - A - V - K -

- R - S - R - A - V - A - R - L - ● - S -

- E - A - G - P - S - R - G - C - E -

... ----- ... exon 4.6283441-6283585



piece 2, WFS1, c.376G>A g6283501a, config: linear, direction: +, begin: 6283447, end: 6283555

*6283450 * *6283460 * *6283470 * *6283480 *

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

- K - H - Y - L - Q - L - A - G - D - T - D - E - E -

- S - T - T - C - S - W - P - A - T - R - M - K - N -

- A - L - P - A - V - G - R - R - H - G - ● - R - T -

*6283490 * *6283500 * *6283510 * *6283520

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

- L - N - S - C - T - T - V - D - W - L - V - L - A -

- S - T - A - A - P - L - W - T - G - W - S - S - P -

- Q - Q - L - H - H - C - G - L - A - G - P - R - R -



* *6283530 * *6283540 * *6283550 *

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

- A - K - Q - G - R - R - E - A - V - K -

- R - S - R - A - V - A - R - L - ● - S -

- E - A - G - P - S - R - G - C - E -

... exon 4.6283441-6283585

... acceptor 0.0 bits @6283530 donor 0.9 bits @6283549

... acceptor 1.8 bits @6283533

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 3, WFS1_WFS1.txt , piece 1, config: linear, direction: +, begin: 6283468, end: 6283576

*6283470 * *6283480 * *6283490 * *6283500 *

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

- G - D - T - D - E - E - L - N - S - C - T - A - V -

- A - T - R - M - K - N - S - T - A - A - P - L - W -

- R - H - G - ● - R - T - Q - Q - L - H - R - C - G -

... exon 4.62834

... acceptor

*6283510 * *6283520 * *6283530 * *6283540 *

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

- D - W - L - V - L - A - A - K - Q - G - R - R - E -

- T - G - W - S - S - P - R - S - R - A - V - A - R -

- L - A - G - P - R - R - E - A - G - P - S - R - G -

... exon 4.62834

acceptor 0.0 bits @6283530

acceptor 1.8 bits @6283533

*6283550 * *6283560 * *6283570 *

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

- A - V - K - L - L - R - R - C - L - A -

- L - ● - S - C - F - A - G - A - W - R -

- C - E - A - A - S - P - V - L - G -

... exon 4.6283441-6283585

donor 0.9 bits @6283549

donor 3.7 bits @6283566

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 4, WFS1, c.397G>A g6283522a, config: linear, direction: +, begin: 6283468, end: 6283576

*6283470 * *6283480 * *6283490 * *6283500 *

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

- G - D - T - D - E - E - L - N - S - C - T - A - V -

- A - T - R - M - K - N - S - T - A - A - P - L - W -

- R - H - G - ● - R - T - Q - Q - L - H - R - C - G -

... exon 4.62834

*6283510 * *6283520 * *6283530 * *6283540 *

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

- D - W - L - V - L - T - A - K - Q - G - R - R - E -

- T - G - W - S - S - P - R - S - R - A - V - A - R -

- L - A - G - P - H - R - E - A - G - P - S - R - G -

... exon 4.62834



*6283550 * *6283560 * *6283570 *

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

- A - V - K - L - L - R - R - C - L - A -

- L - ● - S - C - F - A - G - A - W - R -

- C - E - A - A - S - P - V - L - G -

... exon 4.6283441-6283585



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutat. 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 5, WFS1_WFS1.txt , piece 1, config: linear, direction: +, begin: 6285641, end: 6285749

*6285650 * *6285660 * *6285670 *

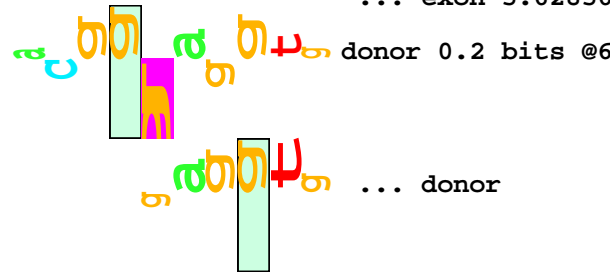
5' t a t c c c t c a g g c a t c a c g t c c g a g a a c g a a c g g g a g g t g 3'

- Y - P - S - G - I - T - S - E - N - E - R - E - V -

- I - P - Q - A - S - R - P - R - T - N - G - R - ● -

- S - L - R - H - H - V - R - E - R - T - G - G - E -

[----- ... exon 5.62856



*6285680 * *6285690 * *6285700 * *6285710 *

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

- R - Q - L - S - S - E - T - D - L - E - R - A - V -

- G - S - S - P - P - R - P - T - W - R - G - P - C -

- A - A - L - L - R - D - R - P - G - E - G - R - A -

[----- ... exon 5.62856



... donor 9.7 bits @6285677

... donor

*6285720 * *6285730 * *6285740 *

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

- R - K - A - A - L - V - M - Y - W - K -

- A - R - Q - P - W - S - C - T - G - S -

- Q - G - S - P - G - H - V - L - E -

[----- ... exon 5.6285651-6285821



... donor 0.6 bits @6285716

... donor 1.6 bits @6285739

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 6, WFS1, c.505G>A g285695a, config: linear, direction: +, begin: 6285641, end: 6285749

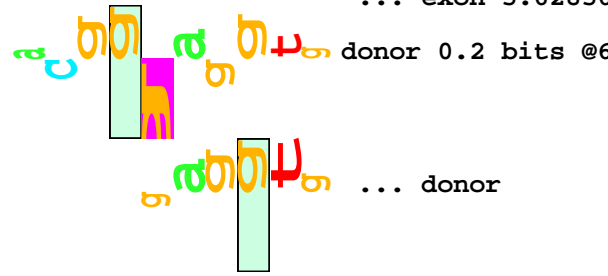
*6285650 * *6285660 * *6285670 *

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

- Y - P - S - G - I - T - S - E - N - E - R - E - V -

- I - P - Q - A - S - R - P - R - T - N - G - R - ● -

- S - L - R - H - H - V - R - E - R - T - G - G - E -



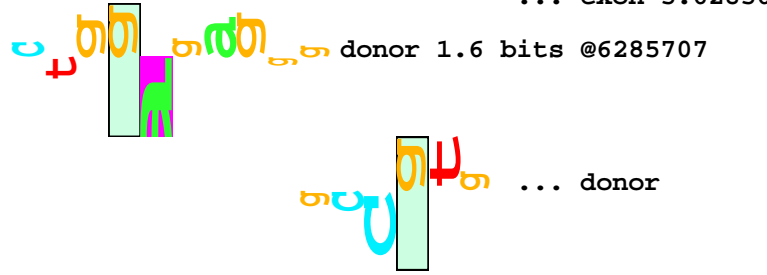
*6285680 * *6285690 *6285700 * *6285710 *

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

- R - Q - L - S - S - K - T - D - L - E - R - A - V -

- G - S - S - P - P - R - P - T - W - R - G - P - C -

- A - A - L - L - Q - D - R - P - G - E - G - R - A -



... donor 9.7 bits @6285677

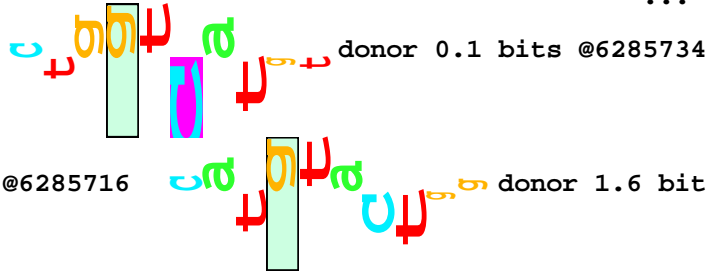
*6285720 * *6285730 * *6285740 *

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

- R - K - A - A - L - V - M - Y - W - K -

- A - R - Q - P - W - S - C - T - G - S -

- Q - G - S - P - G - H - V - L - E -



... donor 0.6 bits @6285716

... donor 1.6 bits @6285739

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 7, WFS1_WFS1.txt , piece 1, config: linear, direction: +, begin: 6285767, end: 6285875

*6285770 * *6285780 * *6285790 * *6285800 *

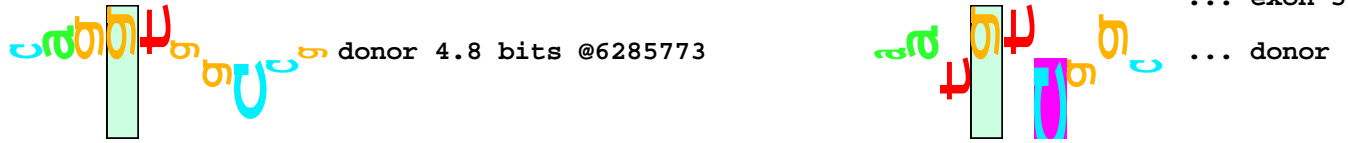
5' a a g c a g g t g g c c g t g g c g g a g c t g c t g g a g a a t g t c g g c 3'

- K - Q - V - A - V - A - E - L - L - E - N - V - G -

- S - R - W - P - W - R - S - C - W - R - M - S - A -

- A - G - G - R - G - G - A - A - G - E - C - R - P -

... -----> exon 5.62856



*6285810 * *6285820 * *6285830 * *6285840

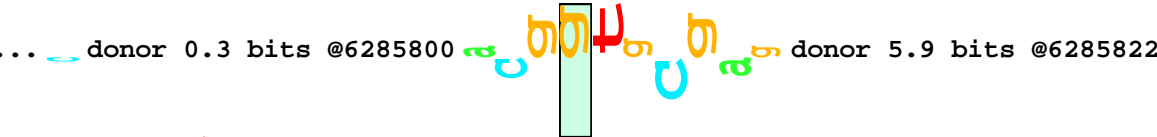
5' c a g g t c a a c g a g c a c g g t g c g a g g a t t c a c c c t g g g c a c 3'

- Q - V - N - E - H - G - A - R - I - H - P - G - H -

- R - S - T - S - T - V - R - G - F - T - L - G - T -

- G - Q - R - A - R - C - E - D - S - P - W - A - P -

... -----> exon 5.6285651-6285821 acceptor



* *6285850 * *6285860 * *6285870 *

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

- S - P - S - L - G - A - S - L - P - T -

- S - L - P - W - A - P - A - F - P - Q -

- A - F - P - G - R - Q - P - S - H -



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 8, WFS1, c.631G>A g6285821a, config: linear, direction: +, begin: 6285767, end: 6285875

*6285770 * *6285780 * *6285790 * *6285800 *

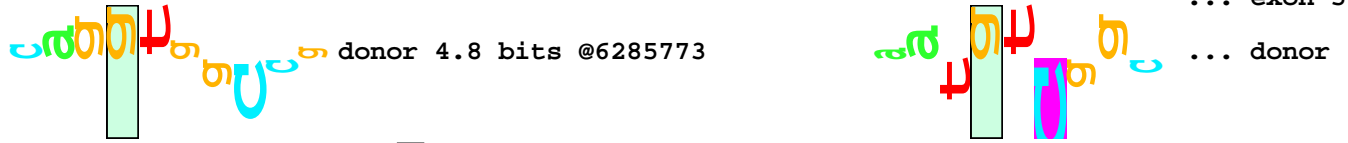
5' a a g c a g g t g g c c g t g g c g g a g c t g c t g g a g a a t g t c g g c 3'

- K - Q - V - A - V - A - E - L - L - E - N - V - G -

- S - R - W - P - W - R - S - C - W - R - M - S - A -

- A - G - G - R - G - G - A - A - G - E - C - R - P -

... -----> exon 5.62856



*6285810 * *6285820 * *6285830 * *6285840

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

- Q - V - N - E - H - S - A - R - I - H - P - G - H -

- R - S - T - S - T - V - R - G - F - T - L - G - T -

- G - Q - R - A - Q - C - E - D - S - P - W - A - P -

... -----> exon 5.6285651-6285821



* *6285850 * *6285860 * *6285870 *

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

- P - S - L - G - A - S - L - P - T -

- S - L - P - W - A - P - A - F - P - Q -

- A - F - P - G - R - Q - P - S - H -

... -----> acceptor 1.1 bits @6285864



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 9, WFS1_WFS1.txt , piece 1, config: linear, direction: +, begin: 6295069, end: 6295177

*6295070 * *6295080 * *6295090 * *6295100 *

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

- V - L - S - Q - P - R - S - H - V - P - S - F - P -

- S - C - P - S - L - V - P - T - Y - H - L - S - P -

- P - V - P - A - S - F - P - R - T - I - F - P - P -



*6295110 * *6295110 * *6295130 * *6295140 *

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

- Q - V - V - K - Y - P - L - H - A - I - M - E - I -

- R - W - S - S - T - P - C - T - P - S - W - R - S -

- G - G - Q - V - P - P - A - R - H - H - G - D - Q -

... acceptor 11.4 bits @6295110

----- ... exon 8.6295111

donor 4.4 bits @6295111

donor 1.0 bits @6295119

*6295150 * *6295160 * *6295170 *

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

- K - E - Y - L - I - D - M - A - S - R -

- R - S - T - L - T - W - P - P - G -

- G - V - P - D - H - G - L - Q -

acceptor 3.0 bits @6295175

----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 10, 1_10, c.874C>T c6295123t, config: linear, direction: +, begin: 6295069, end: 6295177

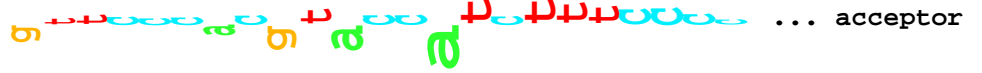
*6295070 * *6295080 * *6295090 * *6295100 *

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

- V - L - S - Q - P - R - S - H - V - P - S - F - P -

- S - C - P - S - L - V - P - T - Y - H - L - S - P -

- P - V - P - A - S - F - P - R - T - I - F - P - P -



*6295110 * *6295120 * *6295130 * *6295140 *

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

- Q - V - V - K - Y - S - L - H - A - I - M - E - I -

- R - W - S - S - T - P - C - T - P - S - W - R - S -

- G - G - Q - V - L - P - A - R - H - H - G - D - Q -

... acceptor 11.4 bits @6295110

----- ... exon 8.62951

donor 4.4 bits @6295111

donor 1.1 bits @6295119

*6295150 * *6295160 * *6295170 *

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

- K - E - Y - L - I - D - M - A - S - R -

- R - S - T - L - T - W - P - P - G -

- G - V - P - D - H - G - L - Q -

acceptor 3.0 bits @6295175

----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 11, 1_11, piece 1, config: linear, direction: +, begin: 6295082, end: 6295190

* 6295090 * 6295100 * 6295110 * 6295120

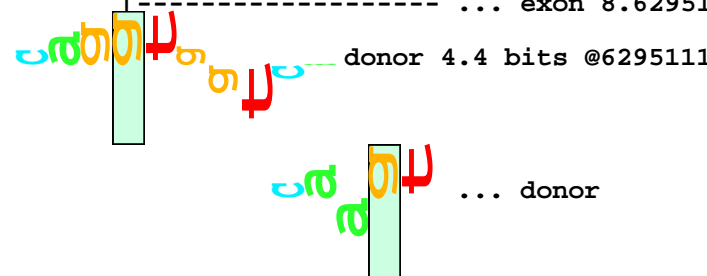
5' c t c g t t c c c a c g t a c c a t c t t t c c c c c a g g t g g t c a a g t 3'

- L - V - P - T - Y - H - L - S - P - R - W - S - S -

- S - F - P - R - T - I - F - P - P - G - G - Q - V -

- R - S - H - V - P - S - F - P - Q - V - V - K - Y -

----- ... exon 8.62951



* 6295130 * 6295140 * 6295150 *

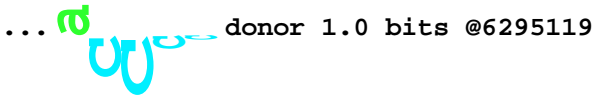
5' a c c c c c t g c a c g c c a t c a t g g a g a t c a a g g a g t a c c t g a 3'

- T - P - C - T - P - S - W - R - S - R - S - T -

- P - P - A - R - H - H - G - D - Q - G - V - P - D -

- P - L - H - A - I - M - E - I - K - E - Y - L - I -

----- ... exon 8.62951



* 6295160 * 6295170 * 6295180 * 6295190

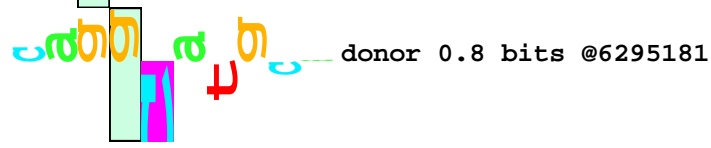
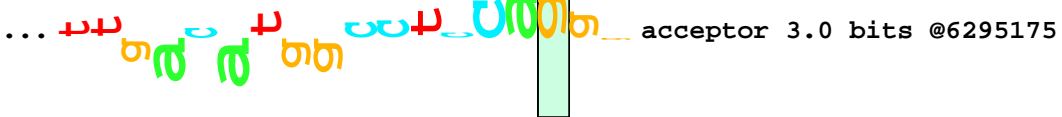
5' t t g a c a t g g c c t c c a g g g c a g g c a t g c a c t g 3'

- L - T - W - P - P - G - Q - A - C - T -

- H - G - L - Q - G - R - H - A - L -

- D - M - A - S - R - A - G - M - H -

----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 12, 1_12, c.887T>G t6295136g, config: linear, direction: +, begin: 6295082, end: 6295190

* 6295090 * * 6295100 * * 6295110 * * 6295120 *

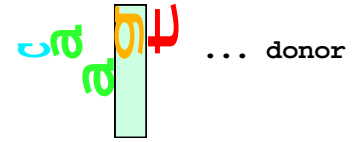
5' c t c g t t c c c a c g t a c c a t c t t t c c c c c a g g t g g t c a a g t 3'

- L - V - P - T - Y - H - L - S - P - R - W - S - S -

- S - F - P - R - T - I - F - P - P - G - G - Q - V -

- R - S - H - V - P - S - F - P - Q - V - V - K - Y -

----- ... exon 8.62951



* 6295130 * * 6295140 * * 6295150 *

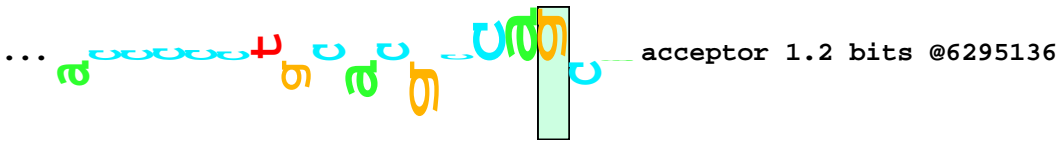
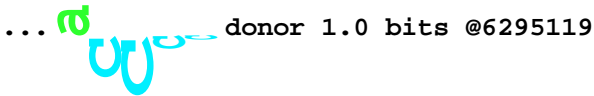
5' a c c c c t g c a c g c c a g c a t g g a g a t c a a g g a g t a c c t g a 3'

- T - P - C - T - P - A - W - R - S - R - S - T -

- P - P - A - R - Q - H - G - D - Q - G - V - P - D -

- P - L - H - A - S - M - E - I - K - E - Y - L - I -

----- ... exon 8.62951



* 6295160 * * 6295170 * * 6295180 * * 6295190 *

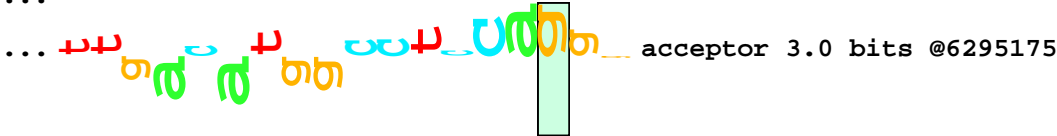
5' t t g a c a t g g c c t c c a g g g c a g g c a t g c a c t g 3'

- L - T - W - P - P - G - Q - A - C - T -

- H - G - L - Q - G - R - H - A - L -

- D - M - A - S - R - A - G - M - H -

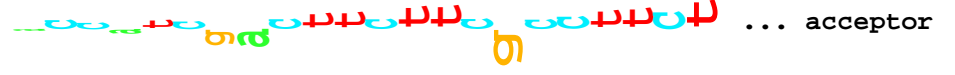
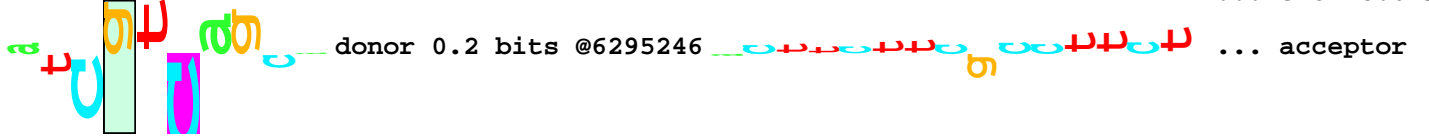
----- ... exon 8.6295111-6297719



piece 13, 1_13, piece 1, config: linear, direction: +, begin: 6295241, end: 6295349

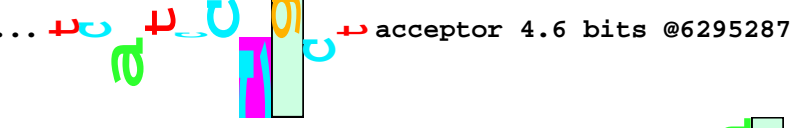
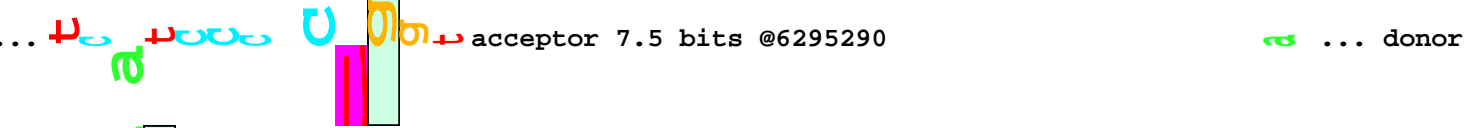
* *6295250 * *6295260 * *6295270 *
 5' t c a t c g t c a g c a a c c t c a c c a t c g a c t t c t t c g c c t t c t 3'
 - S - S - S - A - T - S - P - S - T - S - S - P - S -
 - H - R - Q - Q - P - H - H - R - L - L - R - L - L -
 - I - V - S - N - L - T - I - D - F - F - A - F - F -

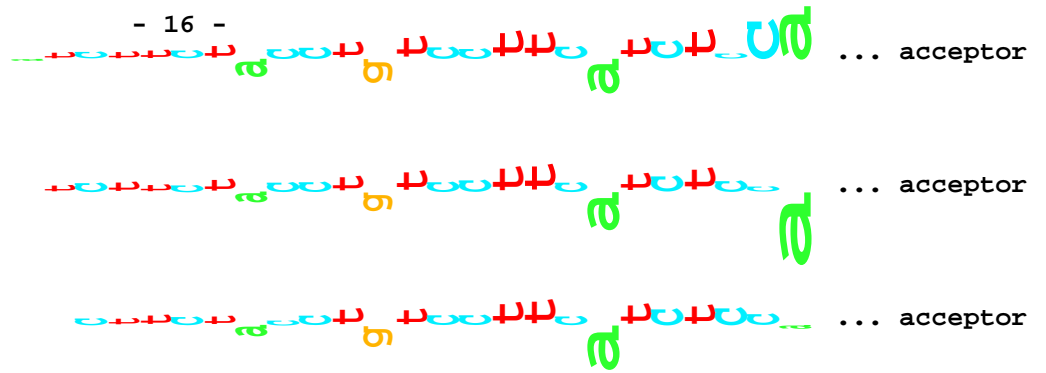
... exon 8.62951



*6295280 * *6295290 * *6295300 * *6295310 *
 5' t c a t c c c g c t g g t c a t c t t c t a c c t g t c c t t c a t c t c c a 3'
 - S - S - R - W - S - S - S - T - C - P - S - S - P -
 - H - P - A - G - H - L - L - P - V - L - H - L - H -
 - I - P - L - V - I - F - Y - L - S - F - I - S - M -

... exon 8.62951





*6295320 * *6295330 * *6295340 *

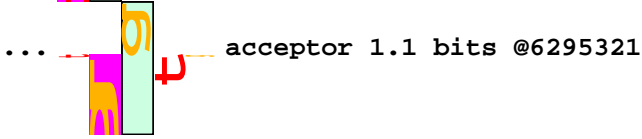
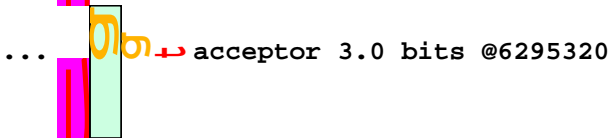
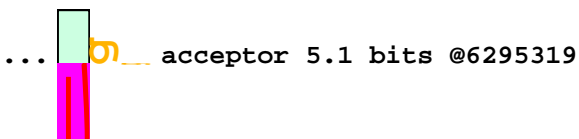
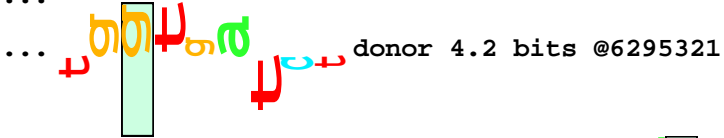
5' t g g t g a t c t g c a c c c t c a a g g t g t t c c a g g a 3'

- W - ● - S - A - P - S - R - C - S - R -

- G - D - L - H - P - Q - G - V - P - G -

- V - I - C - T - L - K - V - F - Q -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 14, 1_14, c.1046_1048delTCT d6295295,6295297, config: linear, direction: +, begin: 6295241,

* 6295250 * 6295260 * 6295270 *

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

- S - S - S - A - T - S - P - S - T - S - S - P - S -

- H - R - Q - Q - P - H - H - R - L - L - R - L - L -

- I - V - S - N - L - T - I - D - F - F - A - F - F -

... exon 8.62951



*6295280 * 6295290 * 6295300 * 6295310 *

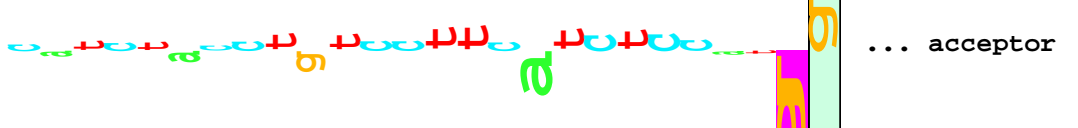
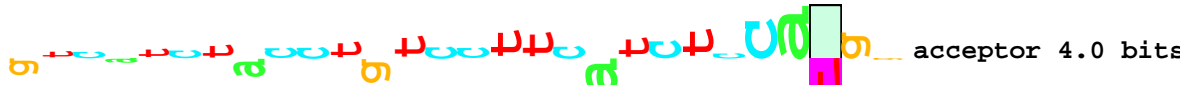
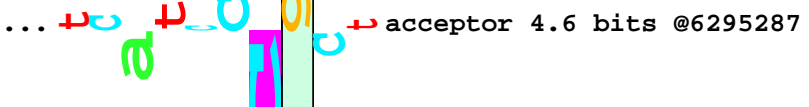
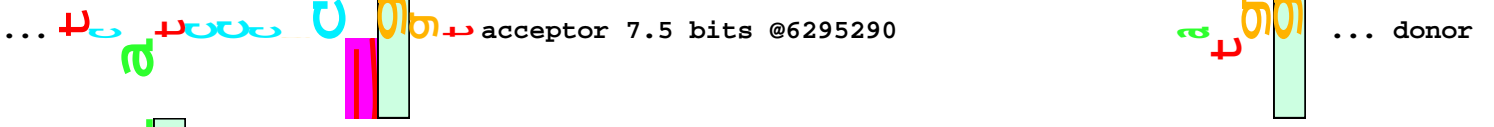
5' t c a t c c c g c t g g t c a t c t a c c t g t c c t t c a t c t c c a t g g 3'

- S - S - R - W - S - S - T - C - P - S - S - P - W -

- H - P - A - G - H - L - P - V - L - H - L - H - G -

- I - P - L - V - I - Y - L - S - F - I - S - M - V -

... exon 8.62951



*6295320 * *6295330 * *6295340 *

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

- S - A - P - S - R - C - S - R -

- D - L - H - P - Q - G - V - P - G -

- I - C - T - L - K - V - F - Q -

... ----- ... exon 8.6295111-6297719

... donor 4.2 bits @6295318

... acceptor 4.8 bits @6295335

... donor 3.5 bits @6295336

... acceptor 4.1 bits @6295344

... acceptor 2.3 bits @6295317

... acceptor 0.6 bits @6295318

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

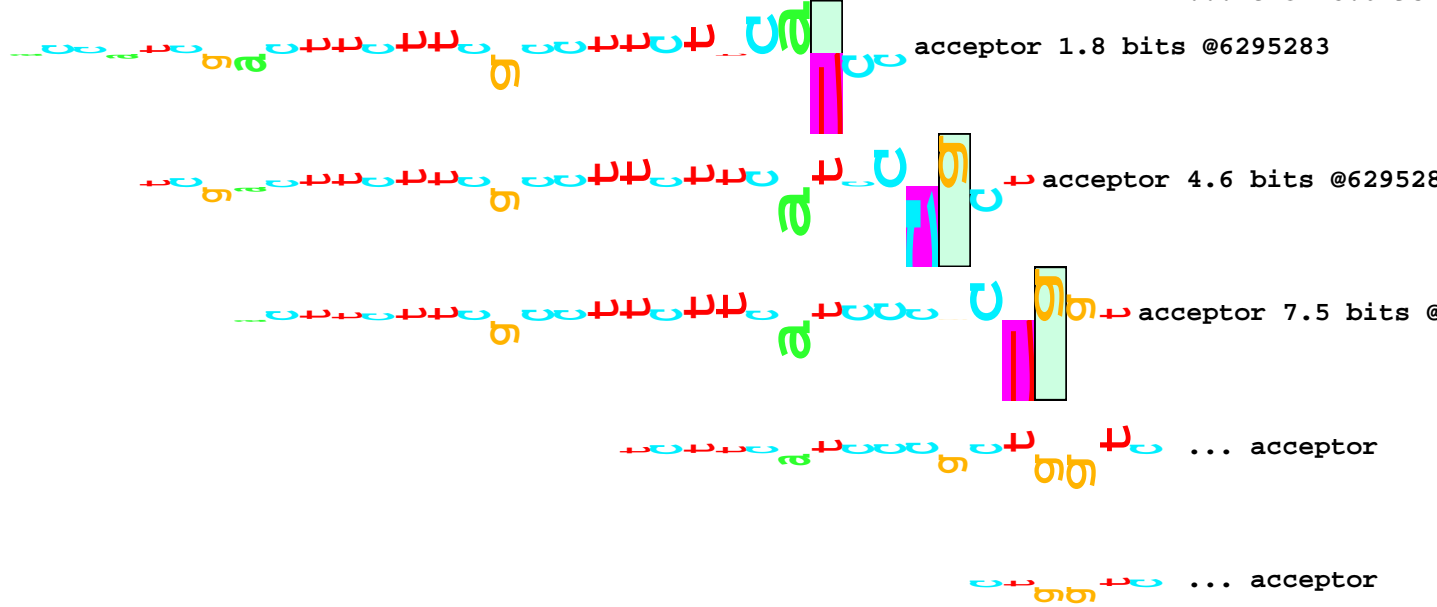
piece 15, 1_15, piece 1, config: linear, direction: +, begin: 6295255, end: 6295363

```

*           *6295260 *           *6295270 *           *6295280 *           *6295290
5' c t c a c c a t c g a c t t c t t c g c c t t c t t c a t c c c g c t g g t c 3'
- L - T - I - D - F - F - A - F - F - I - P - L - V -
- S - P - S - T - S - S - P - S - S - S - R - W - S -
- H - H - R - L - L - R - L - L - H - P - A - G - H -

```

... ----- ... exon 8.62951

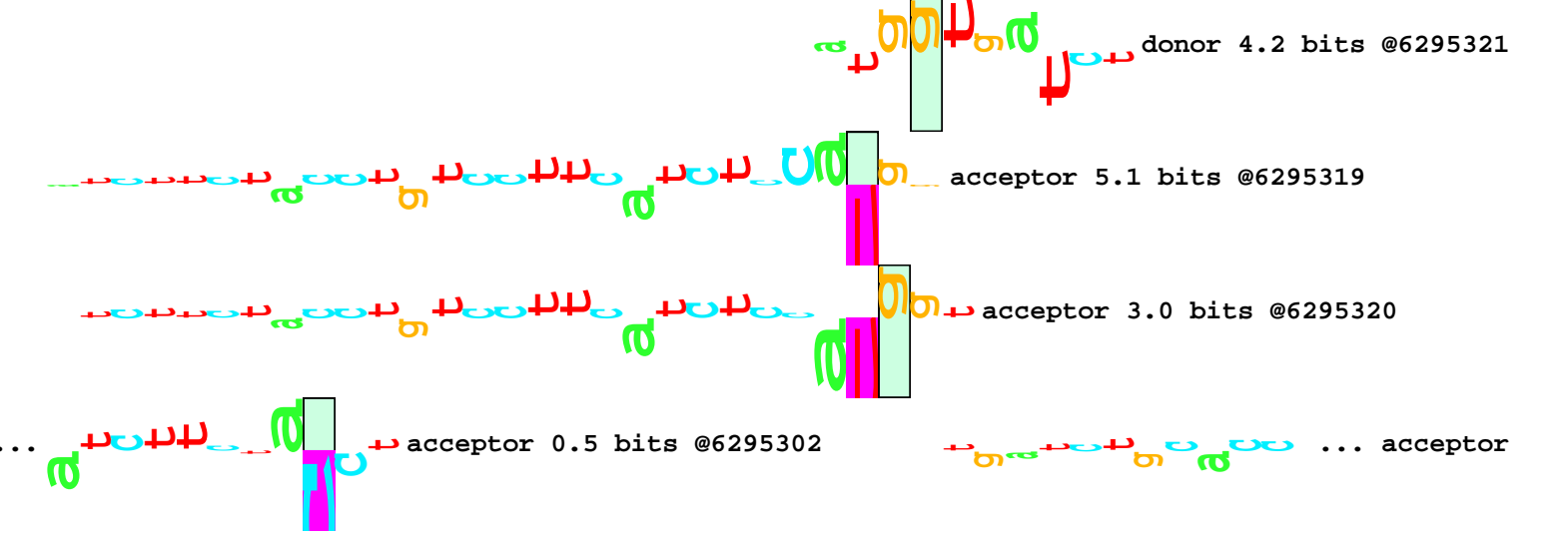


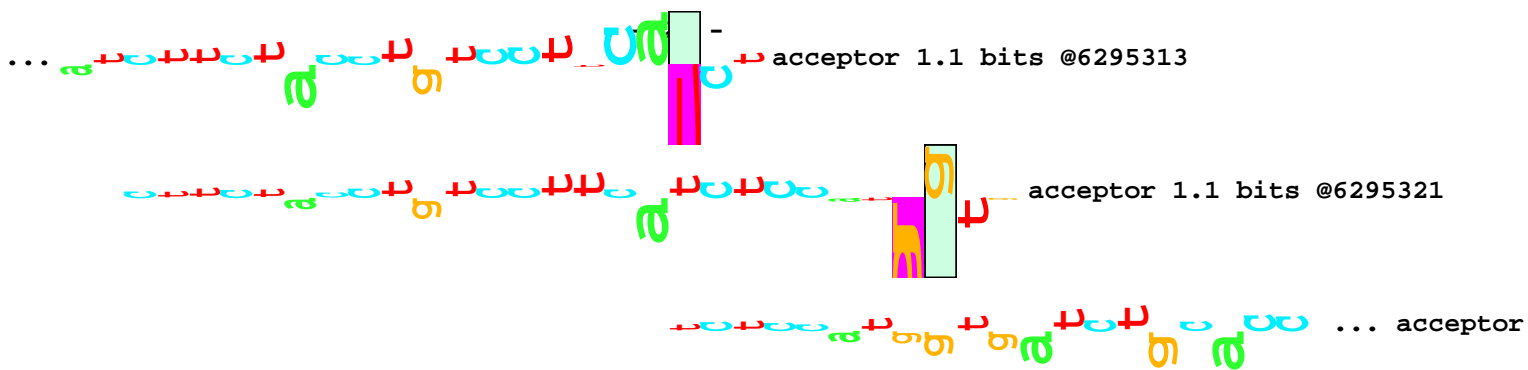
```

*           *6295300 *           *6295310 *           *6295320 *           *6295330
5' a t c t t c t a c c t g t c c t t c a t c t c c a t g g t g a t c t g c a c c 3'
- I - F - Y - L - S - F - I - S - M - V - I - C - T -
- S - S - T - C - P - S - S - P - W - S - A - P -
- L - L - P - V - L - H - L - H - G - D - L - H - P -

```

... ----- ... exon 8.62951





* *6295340 * *6295350 * *6295360

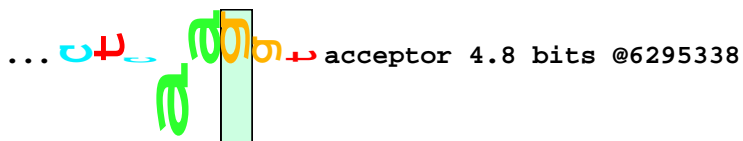
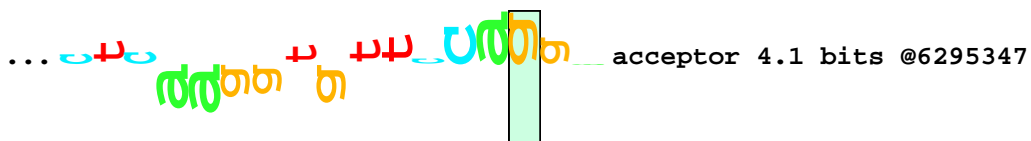
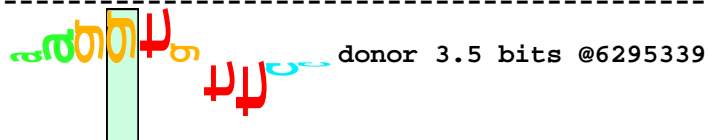
5' c t c a a g g t g t t c c a g g a c a g c a a g g c c t g g g 3'

- L - K - V - F - Q - D - S - K - A - W -

- S - R - C - S - R - T - A - R - P - G -

- Q - G - V - P - G - Q - Q - G - L -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

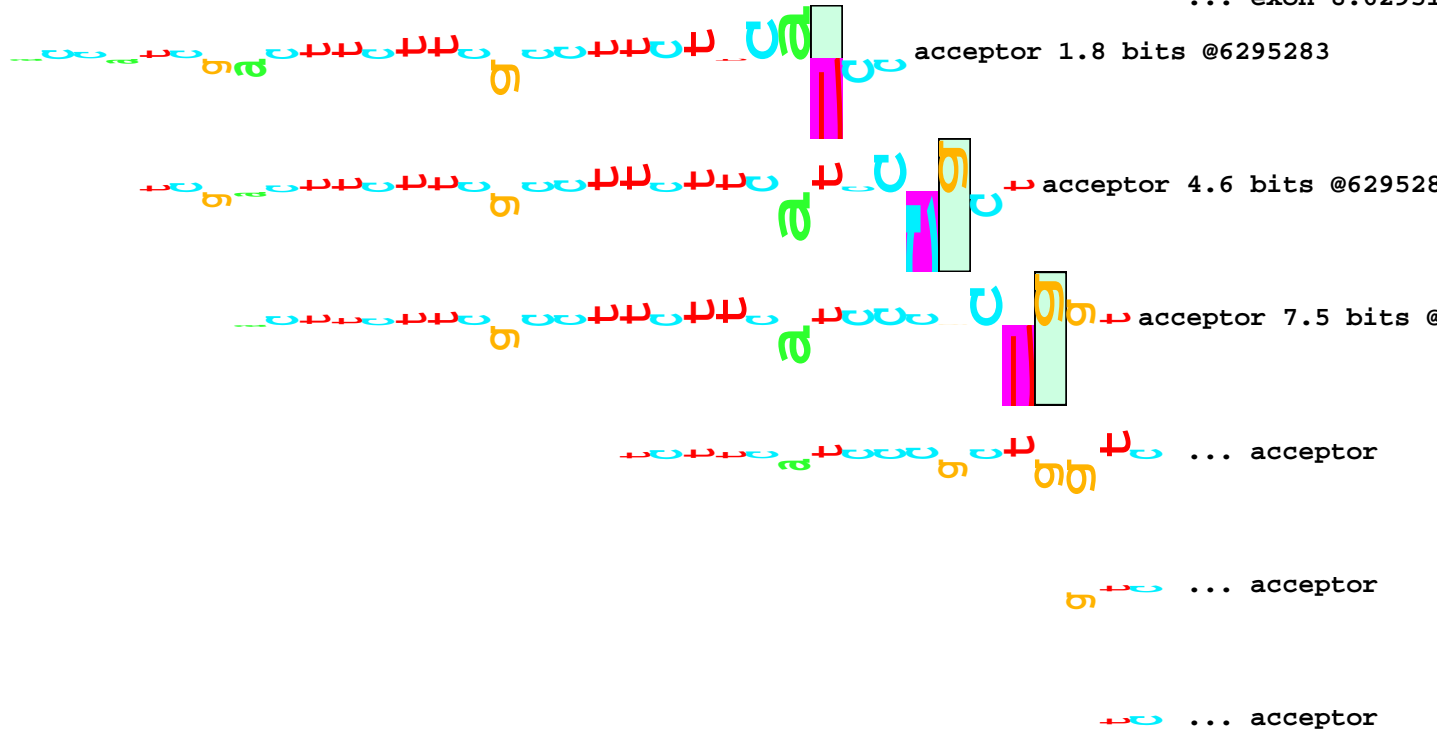
piece 16, 1_16, c.1060_1062delTTC d6295309,6295311, config: linear, direction: +, begin: 6295255,

```

*           *6295260 *           *6295270 *           *6295280 *           *6295290
5' c t c a c c a t c g a c t t c t t c g c c t t c t t c a t c c c g c t g g t c 3'
- L - T - I - D - F - F - A - F - F - I - P - L - V -
- S - P - S - T - S - S - P - S - S - S - R - W - S -
- H - H - R - L - L - R - L - L - H - P - A - G - H -

```

... ----- ... exon 8.62951

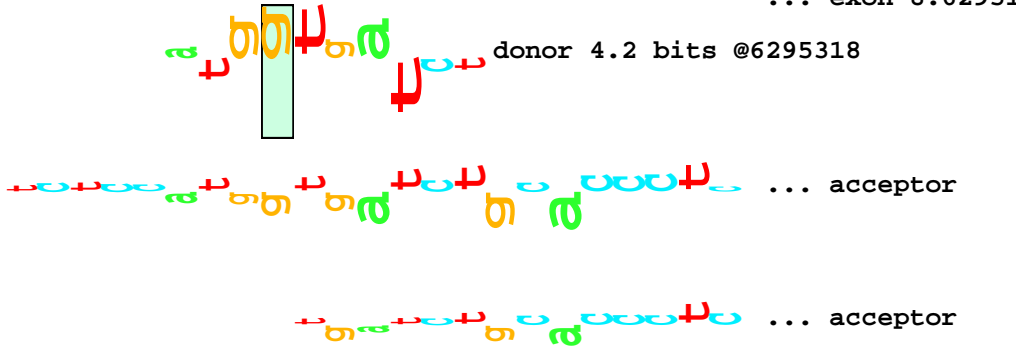


```

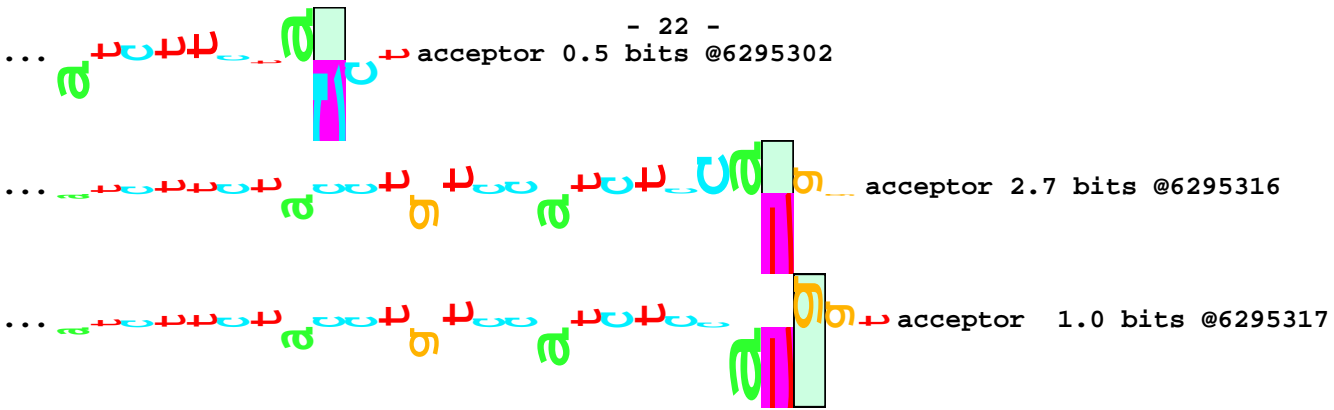
*           *6295300 *           *6295310 *           *6295320 *           *6295330
5' a t c t t c t a c c t g t c c a t c t c c a t g g t g a t c t g c a c c c t c 3'
- I - F - Y - L - S - I - S - M - V - I - C - T - L -
- S - S - T - C - P - S - P - W - S - A - P - S -
- L - L - P - V - H - L - H - G - D - L - H - P - Q -

```

... ----- ... exon 8.62951



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



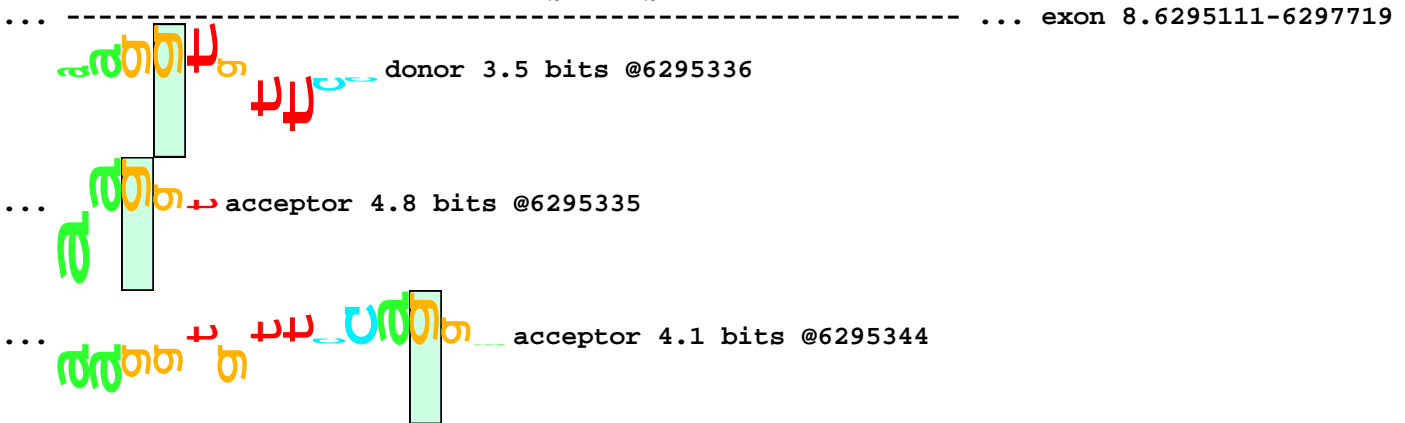
* *6295340 * *6295350 * *6295360

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

- K - V - F - Q - D - S - K - A - W -

- R - C - S - R - T - A - R - P - G -

- G - V - P - G - Q - Q - G - L -



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 17, 1_17, piece 1, config: linear, direction: +, begin: 6295435, end: 6295543

* *6295440 * *6295450 * *6295460 * *6295470

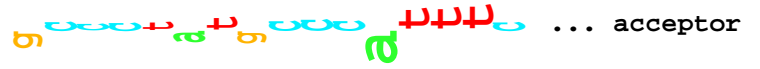
5' a a c t t c g g c t g g a a c c a c c t g g a g c c c t a t g c c c a t t t c 3'

- N - F - G - W - N - H - L - E - P - Y - A - H - F -

- T - S - A - G - T - T - W - S - P - M - P - I - S -

- L - R - L - E - P - P - G - A - L - C - P - F - P -

... ----- ... exon 8.62951



* *6295480 * *6295490 * *6295500 * *6295510

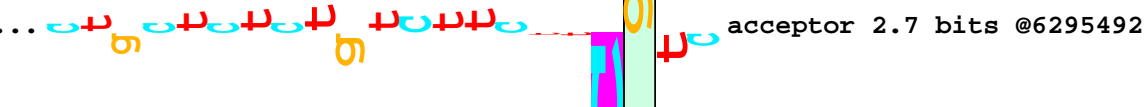
5' c t g c t c t c t g t c t t c t t c g t c a t c t t c t c c t t c c c c a t c 3'

- L - L - S - V - F - F - V - I - F - S - F - P - I -

- C - S - L - S - S - S - S - S - S - P - S - P - S -

- A - L - C - L - L - R - H - L - L - L - P - H - R -

... ----- ... exon 8.62951



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

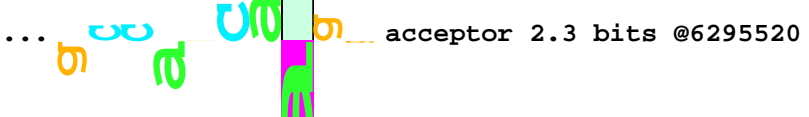
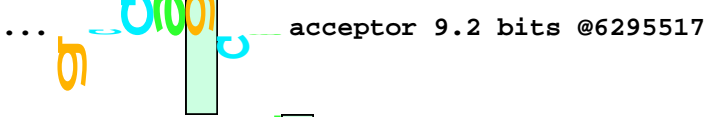
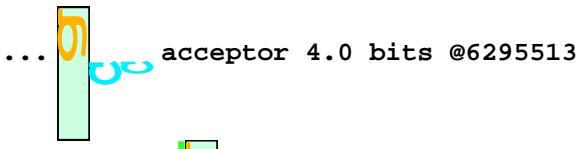
URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



* *6295520 * *6295530 * *6295540
 5' g c c a g c a a g g a c t g c a t c c c c t g c t c g g a g c 3'
 - A - S - K - D - C - I - P - C - S - E -
 - P - A - R - T - A - S - P - A - R - S -
 - Q - Q - G - L - H - P - L - L - G -
 exon 8.6295111-6297719

... _ acceptor 4.6 bits @6295511



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 18, 1_18, c.1240_1242delTTC d6295489,6295491, config: linear, direction: +, begin: 6295435,

* 6295440 * 6295450 * 6295460 * 6295470

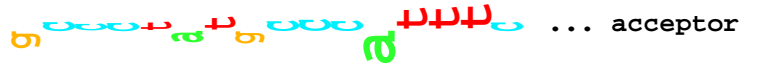
5' a a c t t c g g c t g g a a c c a c c t g g a g c c c t a t g c c c a t t t c 3'

- N - F - G - W - N - H - L - E - P - Y - A - H - F -

- T - S - A - G - T - T - W - S - P - M - P - I - S -

- L - R - L - E - P - P - G - A - L - C - P - F - P -

... ----- ... exon 8.62951



* 6295480 * 6295490 * 6295500 * 6295510

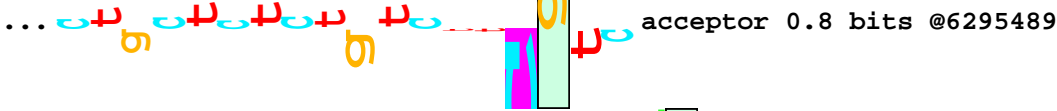
5' c t g c t c t c t g t c t t c g t c a t c t t c t c c t t c c c a t c g c c 3'

- L - L - S - V - F - V - I - F - S - F - P - I - A -

- C - S - L - S - S - S - S - S - P - S - P - S - P -

- A - L - C - L - R - H - L - L - L - P - H - R - Q -

... ----- ... exon 8.62951

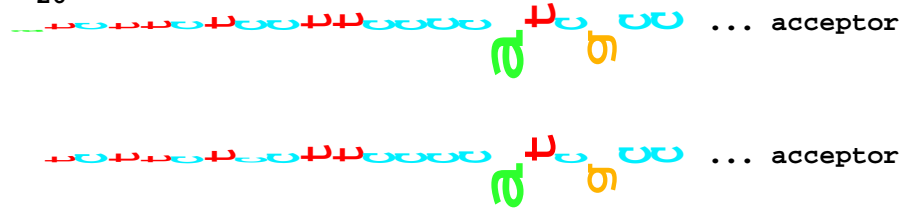


Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

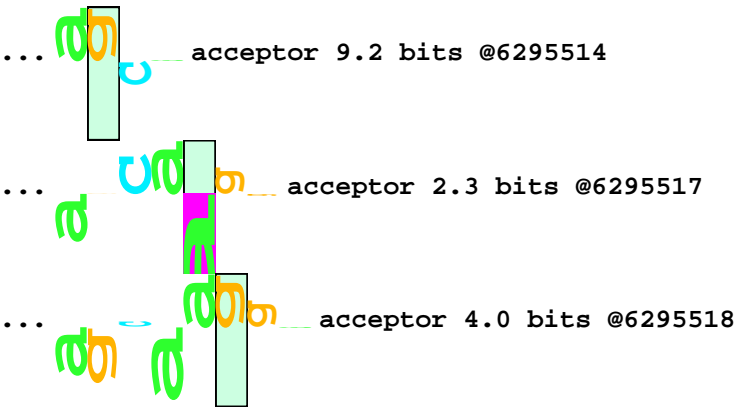
References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



* *6295520 * *6295530 * *6295540
 5' a g c a a g g a c t g c a t c c c c t g c t c g g a g c 3'
 - S - K - D - C - I - P - C - S - E -
 - A - R - T - A - S - P - A - R - S -
 - Q - G - L - H - P - L - L - G -
 ... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 19, 1_19, piece 1, config: linear, direction: +, begin: 6295438, end: 6295546

*6295440 * *6295450 * *6295460 * *6295470 *

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

- F - G - W - N - H - L - E - P - Y - A - H - F - L -

- S - A - G - T - T - W - S - P - M - P - I - S - C -

- R - L - E - P - P - G - A - L - C - P - F - P - A -

... ----- ... exon 8.62951



*6295480 * *6295490 * *6295500 * *6295510 *

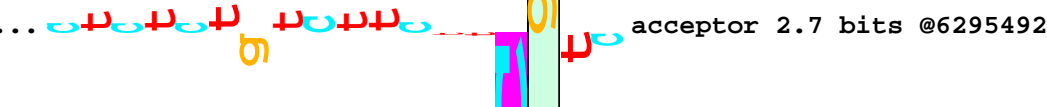
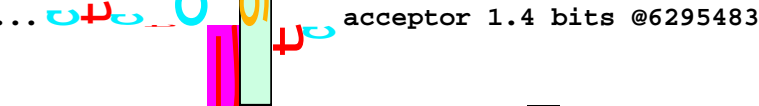
5' c t c t c t g t c t t t c t t c g t c a t c t t c t c c c t t c c c c a t c g c c 3'

- L - S - V - F - F - V - I - F - S - F - P - I - A -

- S - L - S - S - S - S - S - S - S - P - S - P - S - P -

- L - C - L - L - R - H - L - L - L - P - H - R - Q -

... ----- ... exon 8.62951

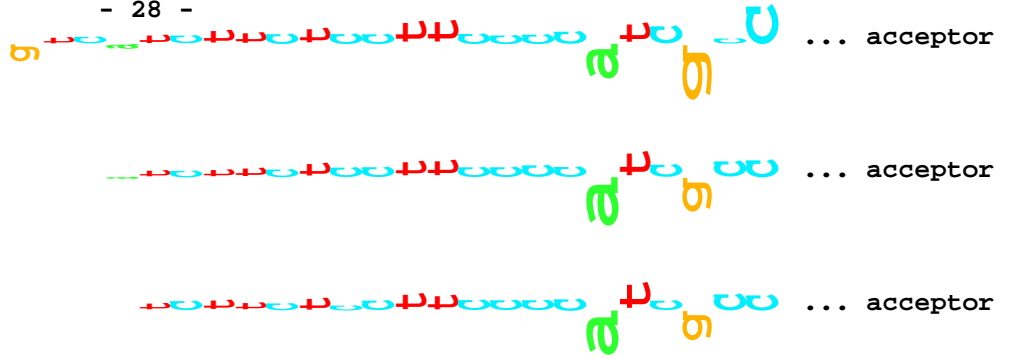


Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

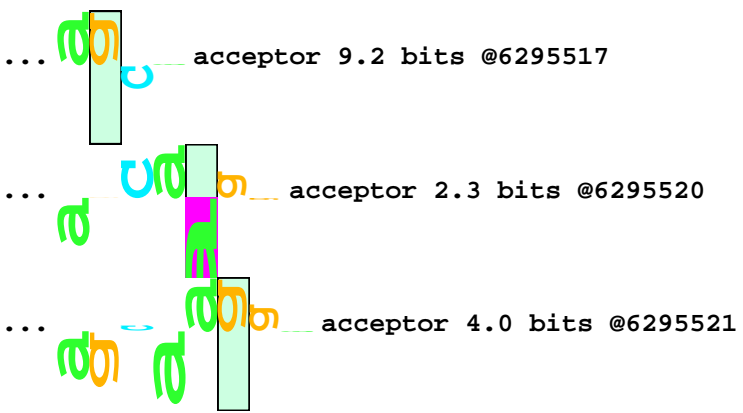
References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



*6295520 * *6295530 * *6295540 *
 5' a g c a a g g a c t g c a t c c c c t g c t c g g a g c t g g 3'
 - S - K - D - C - I - P - C - S - E - L -
 - A - R - T - A - S - P - A - R - S - W -
 - Q - G - L - H - P - L - L - G - A -
 ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 20, 1_20, c.1243_1245delGTC d6295492,6295494, config: linear, direction: +, begin: 6295438,

*6295440 * *6295450 * *6295460 * *6295470 *

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

- F - G - W - N - H - L - E - P - Y - A - H - F - L -

- S - A - G - T - T - W - S - P - M - P - I - S - C -

- R - L - E - P - P - G - A - L - C - P - F - P - A -

... ----- ... exon 8.62951



*6295480 * *6295490 * *6295500 * *6295510 *

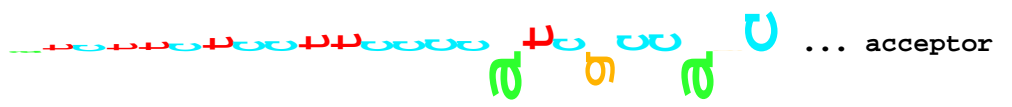
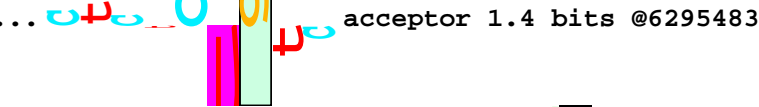
5' c t c t c t g t c t t c t t c a t c t t c t c c c c a t c g c c a g c 3'

- L - S - V - F - F - I - F - S - F - P - I - A - S -

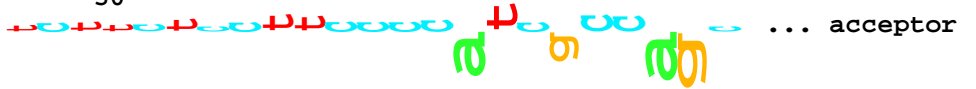
- S - L - S - S - S - S - S - S - P - S - P - S - P - A -

- L - C - L - L - H - L - L - L - P - H - R - Q - Q -

... ----- ... exon 8.62951



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



*6295520 * *6295530 * *6295540
 5' a a g g a c t g c a t c c c c t g c t c g g a g c t g g 3'
 - K - D - C - I - P - C - S - E - L -
 - R - T - A - S - P - A - R - S - W -
 - G - L - H - P - L - L - G - A -
 ... ----- ... exon 8.6295111-6297719

... __ acceptor 10.1 bits @6295514

... __ acceptor 2.3 bits @6295517

... __ acceptor 4.0 bits @6295518

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 21, 1_21, piece 1, config: linear, direction: +, begin: 6295504, end: 6295612

* 6295510 * 6295520 * 6295530 * 6295540

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

- F - P - I - A - S - K - D - C - I - P - C - S - E -

- S - P - S - P - A - R - T - A - S - P - A - R - S -

- P - H - R - Q - Q - G - L - H - P - L - L - G - A -

... ----- ... exon 8.62951

* 6295550 * 6295560 * 6295570 * 6295580

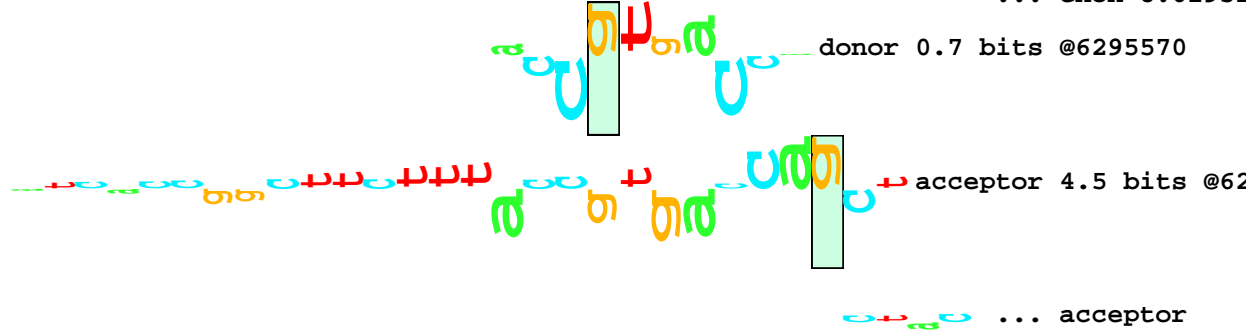
5' c t g g c t g t c a t c a c c g g c t t c t t t a c c g t g a c c a g c t a c 3'

- L - A - V - I - T - G - F - F - T - V - T - S - Y -

- W - L - S - S - P - A - S - L - P - P - P - A - T -

- G - C - H - H - R - L - L - Y - R - D - Q - L - P -

... ----- ... exon 8.62951



* 6295590 * 6295600 * 6295610

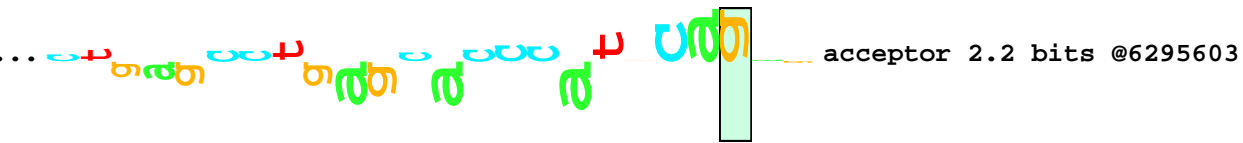
5' c t g a g c c t g a g c a c c c a t g c a g a g c c c t a c a 3'

- L - S - L - S - T - H - A - E - P - Y -

- A - A - P - M - Q - S - P - T -

- E - P - E - H - P - C - R - A - L -

... ----- ... exon 8.6295111-6297719



piece 22, 1_22, c.1309G>C g6295558c, config: linear, direction: +, begin: 6295504, end: 6295612

* 6295510 * 6295520 * 6295530 * 6295540

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

- F - P - I - A - S - K - D - C - I - P - C - S - E -

- S - P - S - P - A - R - T - A - S - P - A - R - S -

- P - H - R - Q - Q - G - L - H - P - L - L - G - A -

... exon 8.62951

* 6295550 * 6295560 * 6295570 * 6295580

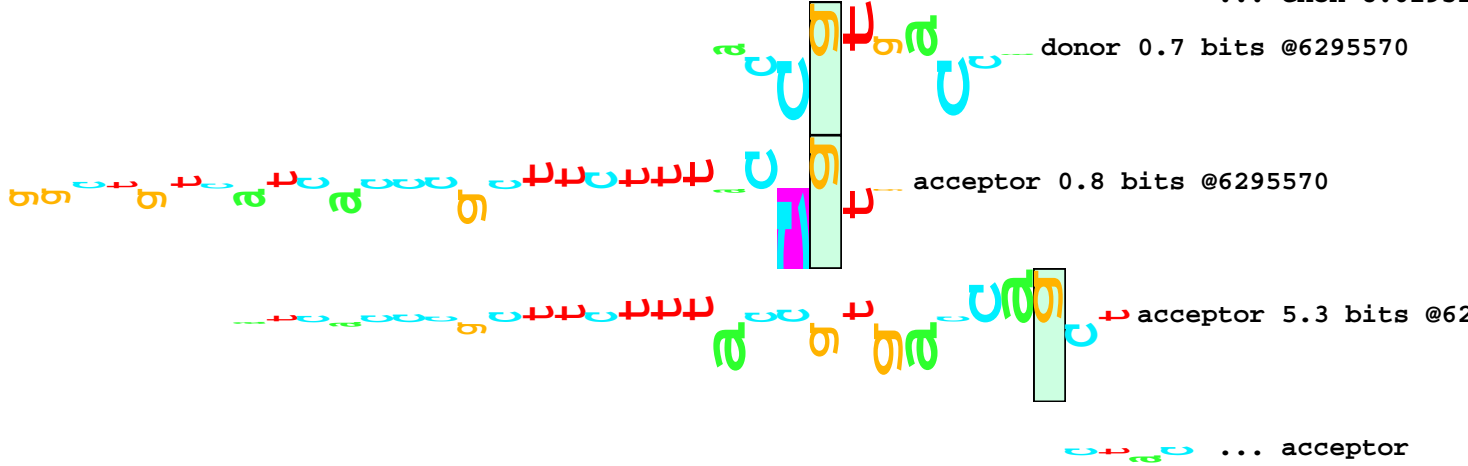
5' c t g g c t g t c a t c a c c c g c t t c t t t a c c g t g a c c a g c t a c 3'

- L - A - V - I - T - R - F - F - T - V - T - S - Y -

- W - L - S - S - P - A - S - L - P - P - P - A - T -

- G - C - H - H - P - L - L - Y - R - D - Q - L - P -

... exon 8.62951



* 6295590 * 6295600 * 6295610

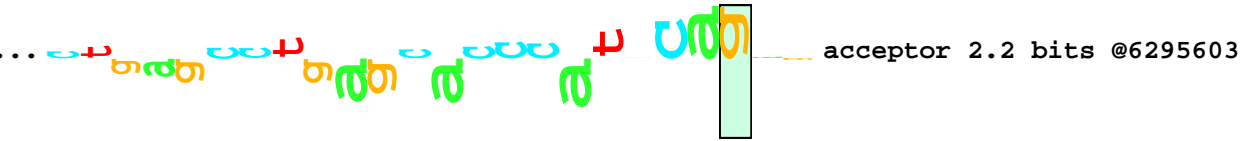
5' c t g a g c c t g a g c a c c c a t g c a g a g c c c t a c a 3'

- L - S - L - S - T - H - A - E - P - Y -

- A - A - P - M - Q - S - P - T -

- E - P - E - H - P - C - R - A - L -

... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 23, 1_23, piece 1, config: linear, direction: +, begin: 6295523, end: 6295631

* *6295530 * *6295540 * *6295550 * *6295560

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

- T - A - S - P - A - R - S - W - L - S - S - P - A -

- L - H - P - L - L - G - A - G - C - H - H - R - L -

- C - I - P - C - S - E - L - A - V - I - T - G - F -

... ----- ... exon 8.62951



* *6295570 * *6295580 * *6295590 * *6295600

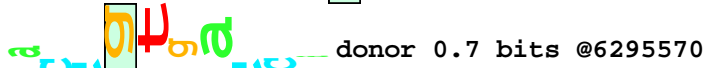
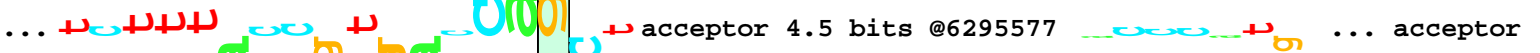
5' t c t t t a c c g t g a c c a g c t a c c t g a g c c t g a g c a c c c a t g 3'

- S - L - P - P - A - T - A - A - P - M -

- L - Y - R - D - Q - L - P - E - P - E - H - P - C -

- F - T - V - T - S - Y - L - S - L - S - T - H - A -

... ----- ... exon 8.62951



* *6295610 * *6295620 * *6295630

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

- Q - S - P - T - R - A - G - P - W - P -

- R - A - L - H - A - Q - G - P - G - H -

- E - P - Y - T - R - R - A - L - A -

... ----- ... exon 8.6295111-6297719



piece 24, 1_24, c.1328G>T g6295577t, config: linear, direction: +, begin: 6295523, end: 6295631

* 6295530 * 6295540 * 6295550 * 6295560

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

- T - A - S - P - A - R - S - W - L - S - S - P - A -

- L - H - P - L - L - G - A - G - C - H - H - R - L -

- C - I - P - C - S - E - L - A - V - I - T - G - F -

... ----- ... exon 8.62951

* 6295570 * 6295580 * 6295590 * 6295600

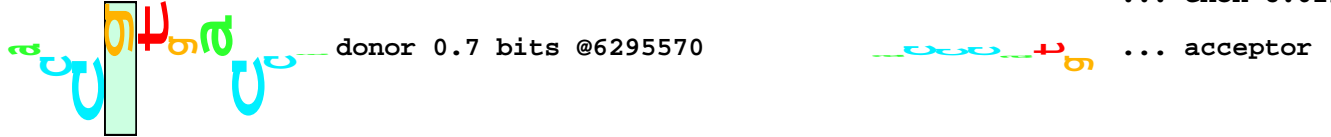
5' t c t t t a c c g t g a c c a t c t a c c t g a g c c t g a g c a c c c a t g 3'

- S - L - P - P - S - T - A - A - P - M -

- L - Y - R - D - H - L - P - E - P - E - H - P - C -

- F - T - V - T - I - Y - L - S - L - S - T - H - A -

... ----- ... exon 8.62951



* 6295610 * 6295620 * 6295630

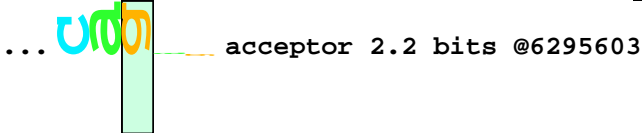
5' c a g a g c c c t a c a c g c g c a g g g c c c t g g c c a c 3'

- Q - S - P - T - R - A - G - P - W - P -

- R - A - L - H - A - Q - G - P - G - H -

- E - P - Y - T - R - R - A - L - A -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 25, 1_25, piece 1, config: linear, direction: +, begin: 6295706, end: 6295814

```

*6295710 *           *6295720 *           *6295730 *           *6295740
5' a g a c c t t c a t c a c c g t g c c t g t c g g c c a c c t g g t c g t c c 3'
  - R - P - S - S - P - C - L - S - A - T - W - S - S -
  - D - L - H - H - R - A - C - R - P - P - G - R - P -
  - T - F - I - T - V - P - V - G - H - L - V - V - L -

```

... ----- ... exon 8.62951



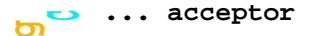
```

*           *6295750 *           *6295760 *           *6295770 *           *6295780
5' t c a a c g t c a g c g t c c c g t g c c t g c t c t a t g t c t a c c t g c 3'
  - S - T - S - A - S - R - A - C - S - M - S - T - C -
  - Q - R - Q - R - P - V - P - A - L - C - L - P - A -
  - N - V - S - V - P - C - L - L - Y - V - Y - L - L -

```

... ----- ... exon 8.62951

... acceptor 2.0 bits @6295754



```

*           *6295790 *           *6295800 *           *6295810
5' t c t a t c t c t t c t t c c g c a t g g c a c a g c t g a g 3'
  - S - I - S - S - S - S - A - W - H - S -
  - L - S - L - L - P - H - G - T - A - E -
  - Y - L - F - F - R - M - A - Q - L -

```

... ----- ... exon 8.6295111-6297719

... acceptor 3.8 bits @6295799



... acceptor 6.1 bits @6295802

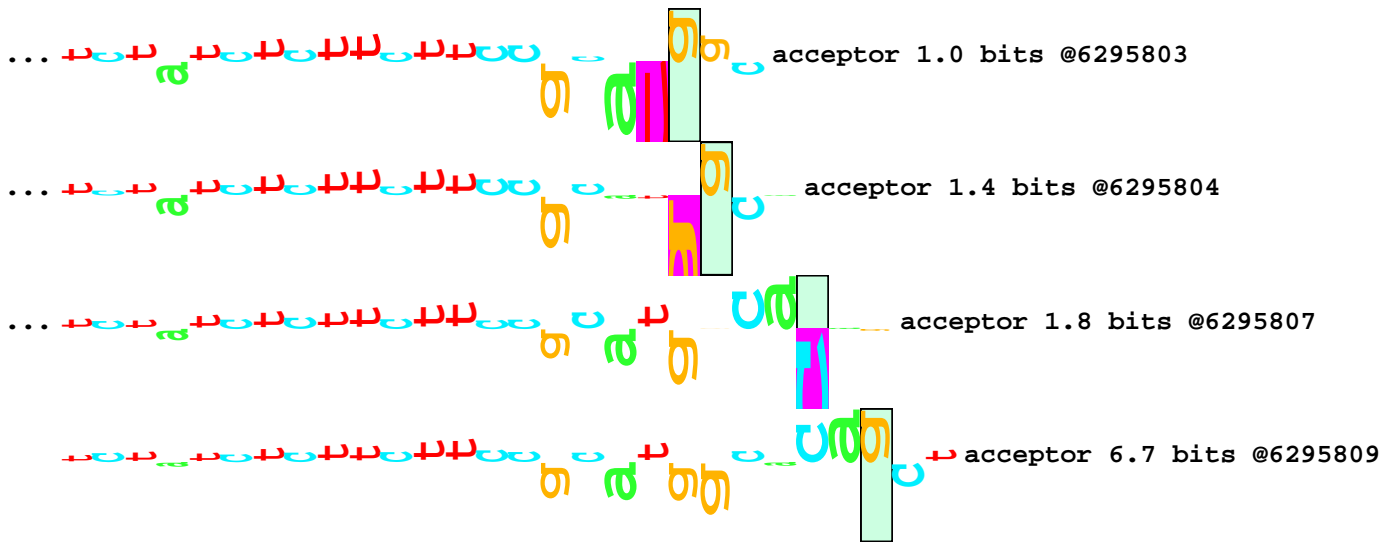


Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 26, 1_26, c.1511C>T c6295760t, config: linear, direction: +, begin: 6295706, end: 6295814

```

*6295710 *           *6295720 *           *6295730 *           *6295740
5' a g a c c t t c a t c a c c g t g c c t g t c g g c c a c c t g g t c g t c c 3'
  - R - P - S - S - P - C - L - S - A - T - W - S - S -
  - D - L - H - H - R - A - C - R - P - P - G - R - P -
  - T - F - I - T - V - P - V - G - H - L - V - V - L -

```

... ----- ... exon 8.62951

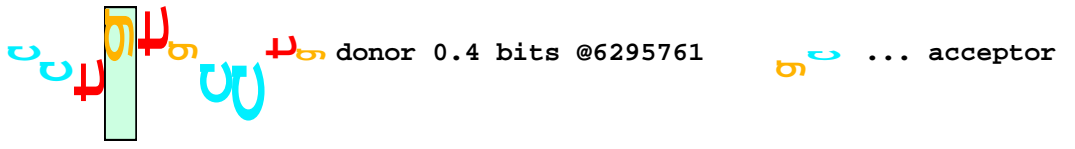
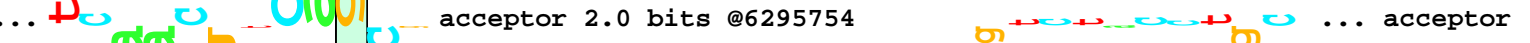


```

*           *6295750 *           *6295760 *           *6295770 *           *6295780
5' t c a a c g t c a g c g t c c t g t g c c t g c t c t a t g t c t a c c t g c 3'
  - S - T - S - A - S - C - A - C - S - M - S - T - C -
  - Q - R - Q - R - P - V - P - A - L - C - L - P - A -
  - N - V - S - V - L - C - L - L - Y - V - Y - L - L -

```

... ----- ... exon 8.62951

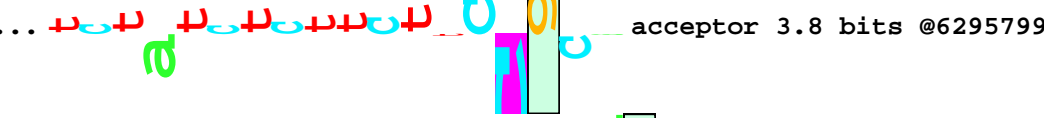


```

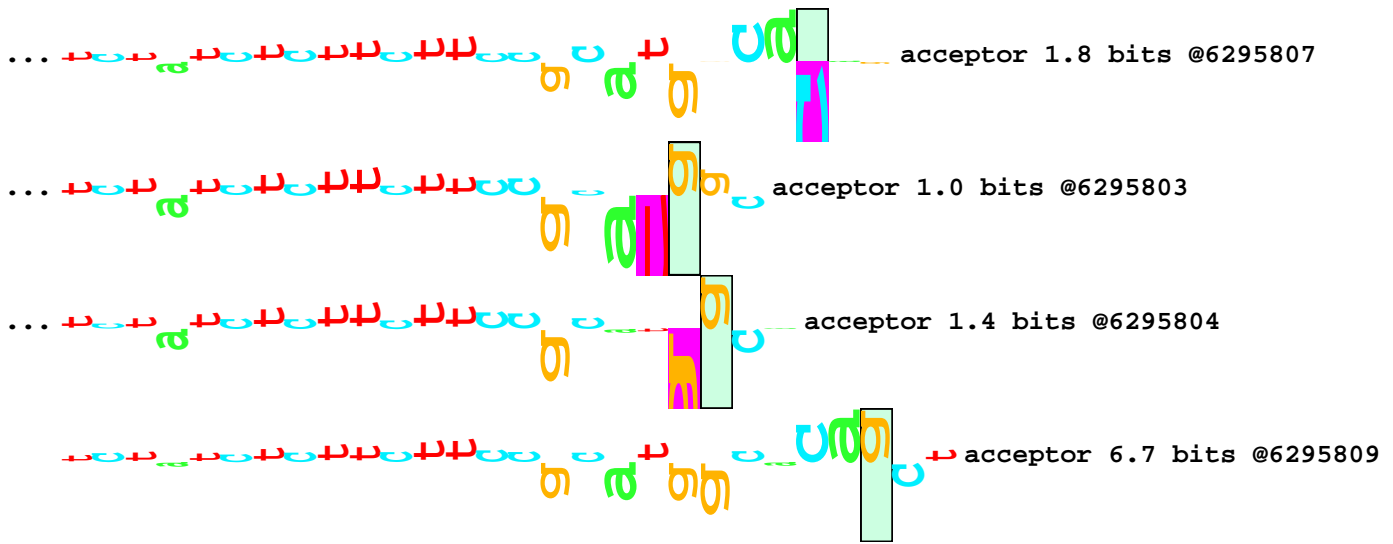
*           *6295790 *           *6295800 *           *6295810
5' t c t a t c t c t t c t t c c g c a t g g c a c a g c t g a g 3'
  - S - I - S - S - S - S - A - W - H - S -
  - L - S - L - L - P - H - G - T - A - E -
  - Y - L - F - F - R - M - A - Q - L -

```

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 27, 1_27, piece 1, config: linear, direction: +, begin: 6295709, end: 6295817

*6295710 * *6295720 * *6295730 * *6295740 *

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

- P - S - S - P - C - L - S - A - T - W - S - S - S -

- L - H - H - R - A - C - R - P - P - G - R - P - Q -

- F - I - T - V - P - V - G - H - L - V - V - L - N -

... ----- ... exon 8.62951

... donor



*6295750 * *6295770 * *6295780 *

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

- T - S - A - S - R - A - C - S - M - S - T - C - S -

- R - Q - R - P - V - P - A - L - C - L - P - A - L -

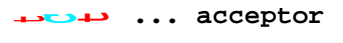
- V - S - V - P - C - L - L - Y - V - Y - L - L - Y -

... ----- ... exon 8.62951

... donor 2.7 bits @6295750



... acceptor 2.0 bits @6295754



*6295790 * *6295800 * *6295810 *

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

- I - S - S - S - A - W - H - S - G -

- S - L - L - P - H - G - T - A - E - E -

- L - F - F - R - M - A - Q - L - R -

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 28, 1_28, c.1514G>A g6295763a, config: linear, direction: +, begin: 6295709, end: 6295817

*6295710 * *6295720 * *6295730 * *6295740 *

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

- P - S - S - P - C - L - S - A - T - W - S - S - S -

- L - H - H - R - A - C - R - P - P - G - R - P - Q -

- F - I - T - V - P - V - G - H - L - V - V - L - N -

... exon 8.62951

... donor



*6295750 * *6295760 * *6295770 * *6295780 *

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

- T - S - A - S - R - T - C - S - M - S - T - C - S -

- R - Q - R - P - V - P - A - L - C - L - P - A - L -

- V - S - V - P - Y - L - L - Y - V - Y - L - L - Y -

... exon 8.62951

... donor 2.7 bits @6295750



... acceptor 2.0 bits @6295754

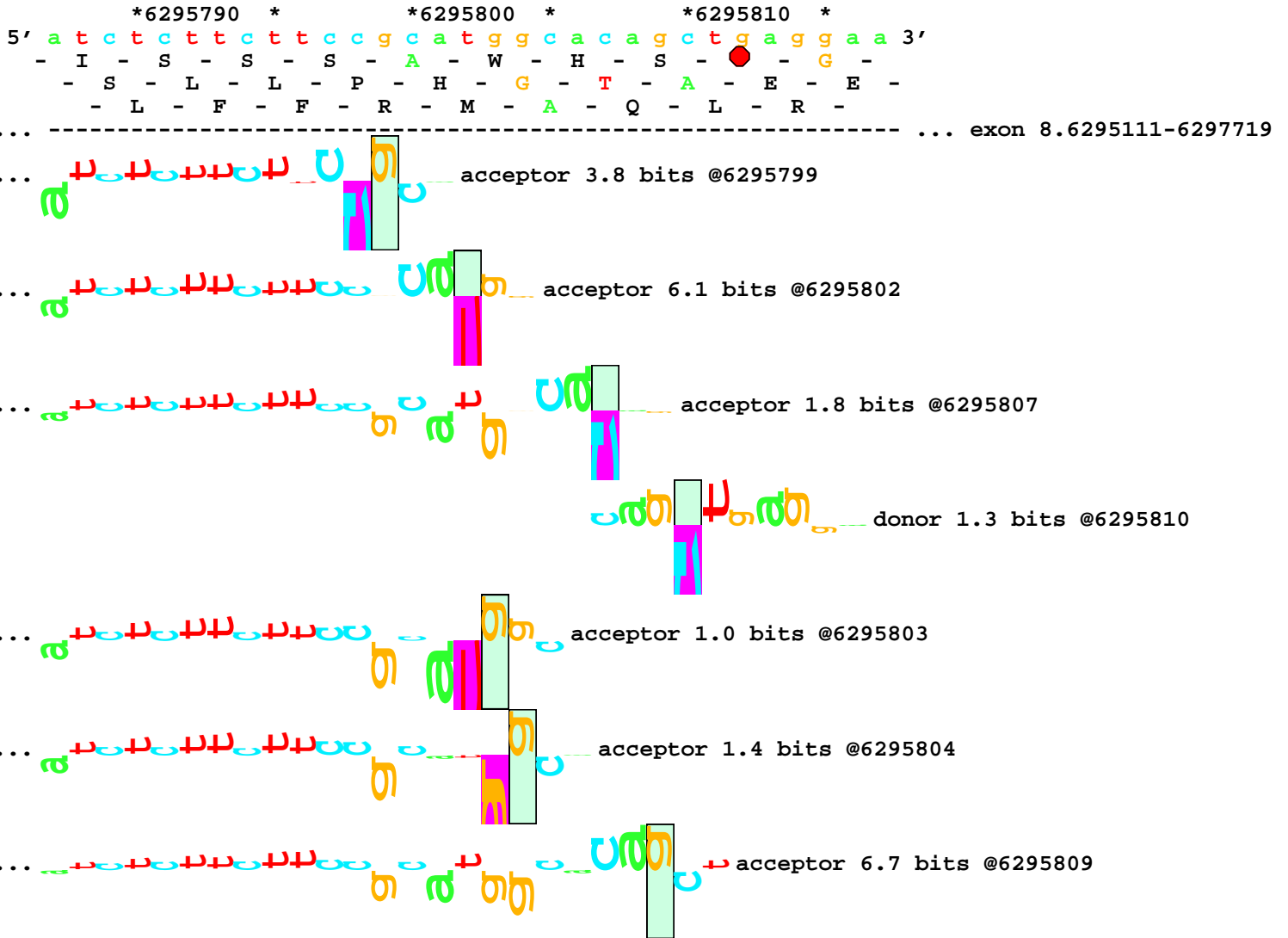


... donor 0.0 bits @6295761



... acceptor 0.1 bits @6295765





Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 29, 1_29, piece 1, config: linear, direction: +, begin: 6295741, end: 6295849

```

*           *6295750 *           *6295760 *           *6295770 *
5' g t c c t c a a c g t c a g c g t c c c g t g c c t g c t c t a t g t c t a c 3'
- V - L - N - V - S - V - P - C - L - L - Y - V - Y -
- S - S - T - S - A - S - R - A - C - S - M - S - T -
- P - Q - R - Q - R - P - V - P - A - L - C - L - P -

```

... ----- ... exon 8.62951



... acceptor

... acceptor

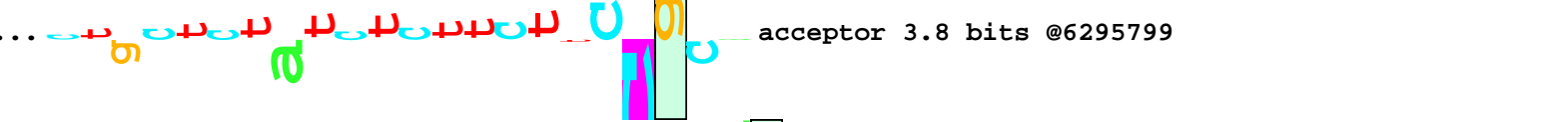
... acceptor

```

*6295780 *           *6295790 *           *6295800 *           *6295810 *
5' c t g c t c t a t c t t c t t c c g c a t g g c a c a g c t g a g g a a t 3'
- L - L - Y - L - F - F - R - M - A - Q - L - R - N -
- C - S - I - S - S - S - R - A - W - H - S - L - G - I -
- A - L - S - L - L - P - H - G - T - A - E - E - F -

```

... ----- ... exon 8.62951



... acceptor 6.1 bits @6295802

... acceptor 1.0 bits @6295803

... acceptor 1.4 bits @6295804

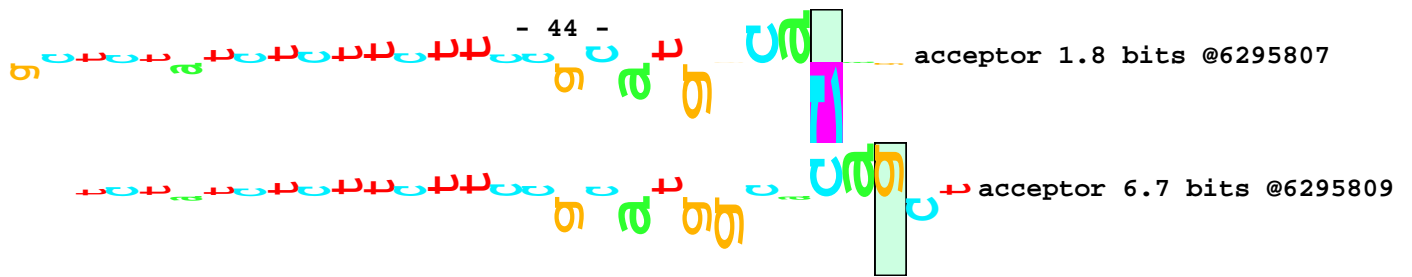


Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



*6295820 * *6295830 * *6295840 *
 5' t t c a a g g g c a c c t a c t g c t a c c t t g t g c c c t 3'
 - F - K - G - T - Y - C - Y - L - V - P -
 - S - R - A - P - T - A - T - L - C - P -
 - Q - G - H - L - L - L - P - C - A -
 ... ----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 30, 1_30, c.1546_1548delTTC d6295795,6295797, config: linear, direction: +, begin: 6295741,

* *6295750 * *6295760 * *6295770 *

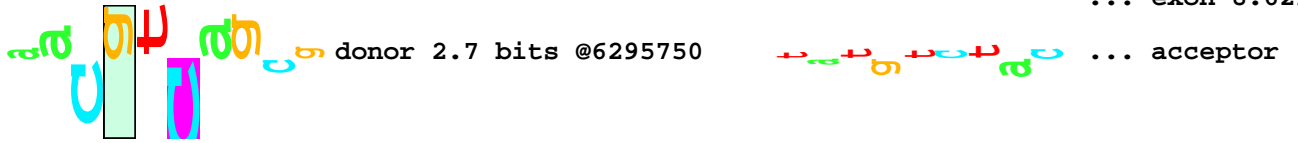
5' g t c c t c a a c g t c a g c g t c c c g t g c c t g c t c t a t g t c t a c 3'

- V - L - N - V - S - V - P - C - L - L - Y - V - Y -

- S - S - T - S - A - S - R - A - C - S - M - S - T -

- P - Q - R - Q - R - P - V - P - A - L - C - L - P -

... ----- ... exon 8.62951



*6295780 * *6295790 * *6295800 * *6295810 *

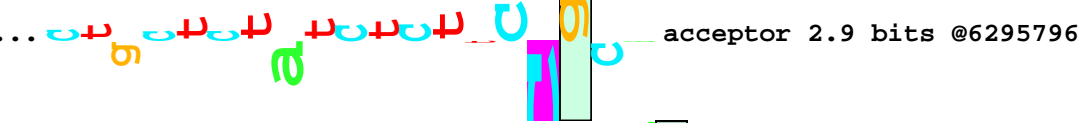
5' c t g c t c t a t c t c t t c c g c a t g g c a c a g c t g a g g a a t t t c 3'

- L - L - Y - L - F - R - M - A - Q - L - R - N - F -

- C - S - I - S - S - A - W - H - S - G - I - S -

- A - L - S - L - P - H - G - T - A - E - E - F - Q -

... ----- ... exon 8.62951

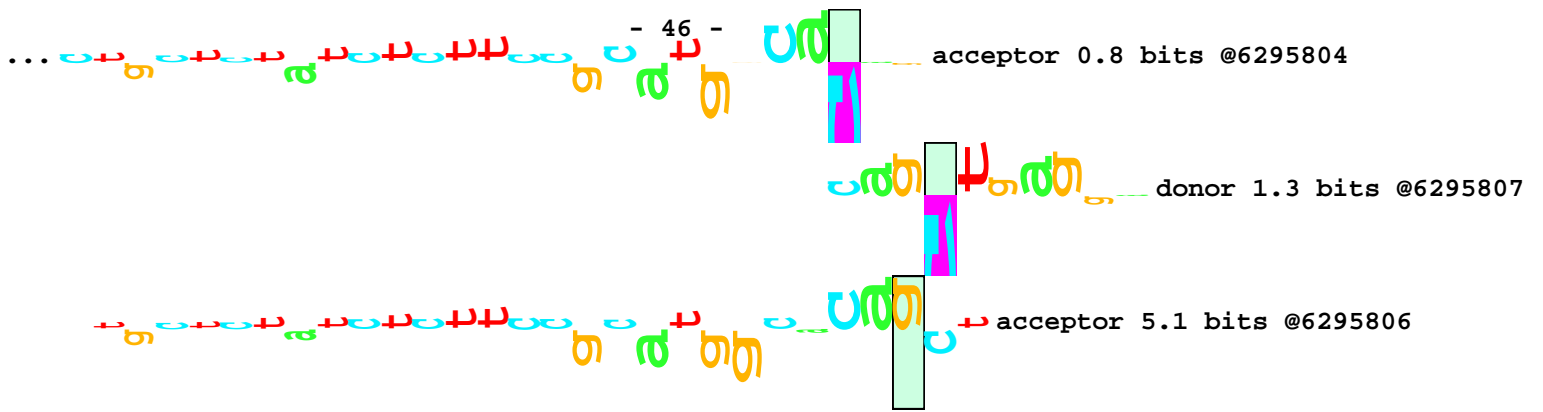


Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



*6295820 * *6295830 * *6295840 *

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

- K - G - T - Y - C - Y - L - V - P -

- R - A - P - T - A - T - L - C - P -

- G - H - L - L - L - P - C - A -

... ----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 31, 1_31, piece 1, config: linear, direction: +, begin: 6295815, end: 6295923

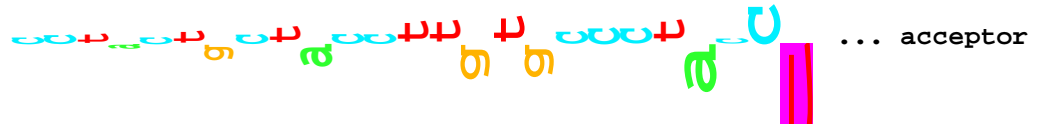
```

*           *6295820 *           *6295830 *           *6295840 *           *6295850
5' g a a t t t c a a g g g c a c c t a c t g c t a c c t t g t g c c c t a c c t 3'
- E - F - Q - G - H - L - L - L - P - C - A - L - P -
- N - F - K - G - T - Y - C - Y - L - V - P - Y - L -
- I - S - R - A - P - T - A - T - L - C - P - T - W -

```

... ----- ... exon 8.62951

... donor



```

*           *6295860 *           *6295870 *           *6295880 *           *6295890
5' g g t g t g c t t c a t g t g g t g a g c t c t c c g t g g t c a t c c t 3'
- G - V - L - H - V - V - A - L - R - G - H - P -
- V - C - F - M - W - C - E - L - S - V - V - I - L -
- C - A - S - C - G - V - S - S - P - W - S - S - C -

```

... ----- ... exon 8.62951

... donor 5.2 bits @6295855

... acceptor 2.7 bits @6295854

... donor 0.8 bits @6295866

... donor 4.8 bits @6295869

... donor 3.6 bits @6295871

```

*           *6295900 *           *6295910 *           *6295920
5' g c t g g a g t c c a c c g g c c t g g g g c t g c t c c g c 3'
- A - G - V - H - R - P - G - A - A - P -
- L - E - S - T - G - L - G - L - L - R -
- W - S - P - P - A - W - G - C - S -

```

... ----- ... exon 8.6295111-6297719

... acceptor 0.4 bits @6295896

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 32, 1_32, c.1620_1622delGTG d6295869,6295871, config: linear, direction: +, begin: 6295815,

* 6295820 * 6295830 * 6295840 * 6295850

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

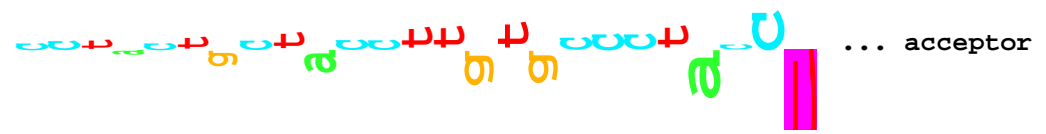
- E - F - Q - G - H - L - L - L - P - C - A - L - P -

- N - F - K - G - T - Y - C - Y - L - V - P - Y - L -

- I - S - R - A - P - T - A - T - L - C - P - T - W -

... ----- ... exon 8.62951

... donor



* 6295860 * 6295870 * 6295880 * 6295890

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

- G - V - L - H - V - A - L - R - G - H - P - A -

- V - C - F - M - C - E - L - S - V - V - I - L - L -

- C - A - S - C - V - S - S - P - W - S - S - C - W -

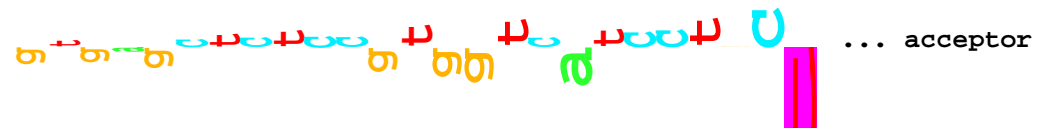
... ----- ... exon 8.62951

... donor 5.2 bits @6295855

... acceptor 2.7 bits @6295854

... donor 4.7 bits @6295866

... donor 3.2 bits @6295868



* 6295900 * 6295910 * 6295920

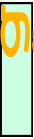
5' g g a g t c c a c c g g c c t g g g g c t g c t c c g c 3'

- G - V - H - R - P - G - A - A - P -

- E - S - T - G - L - G - L - L - R -

- S - P - P - A - W - G - C - S -

... ----- ... exon 8.6295111-6297719

... _acceptor 0.4 bits @6295893

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 33, 1_33, piece 1, config: linear, direction: +, begin: 6295823, end: 6295931

* *6295830 * *6295840 * *6295850 * *6295860

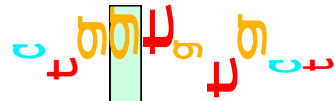
5' a g g g c a c c t a c t g c t a c c t t g t g c c c t a c c t g g t g t g c t 3'

- R - A - P - T - A - T - L - C - P - T - W - C - A -

- G - H - L - L - L - P - C - A - L - P - G - V - L -

- G - T - Y - C - Y - L - V - P - Y - L - V - C - F -

... exon 8.62951



* *6295870 * *6295880 * *6295890 * *6295900

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

- S - C - G - V - S - S - P - W - S - S - C - W - S -

- H - V - V - A - L - R - G - H - P - A - G - V -

- M - W - C - E - L - S - V - V - I - L - L - E - S -

... exon 8.62951



* *6295910 * *6295920 * *6295930

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

- P - P - A - W - G - C - S - A - P - P -

- H - R - P - G - A - A - P - R - L - H -

- T - G - L - G - L - L - R - A - S -

... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 34, 1_34, c.1628T>G t6295877g, config: linear, direction: +, begin: 6295823, end: 6295931

* 6295830 * 6295840 * 6295850 * 6295860

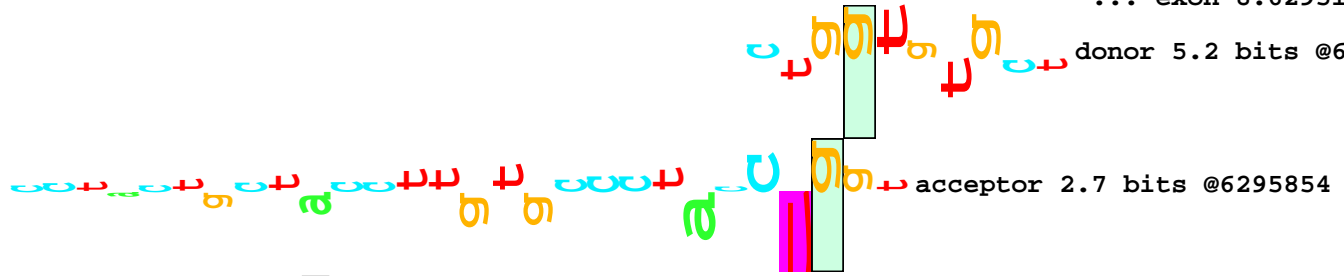
5' a g g g c a c c t a c t g c t a c c t t g t g c c c t a c c t g g t g t g c t 3'

- R - A - P - T - A - T - L - C - P - T - W - C - A -

- G - H - L - L - L - P - C - A - L - P - G - V - L -

- G - T - Y - C - Y - L - V - P - Y - L - V - C - F -

... ----- ... exon 8.62951



* 6295870 * 6295880 * 6295890 * 6295900

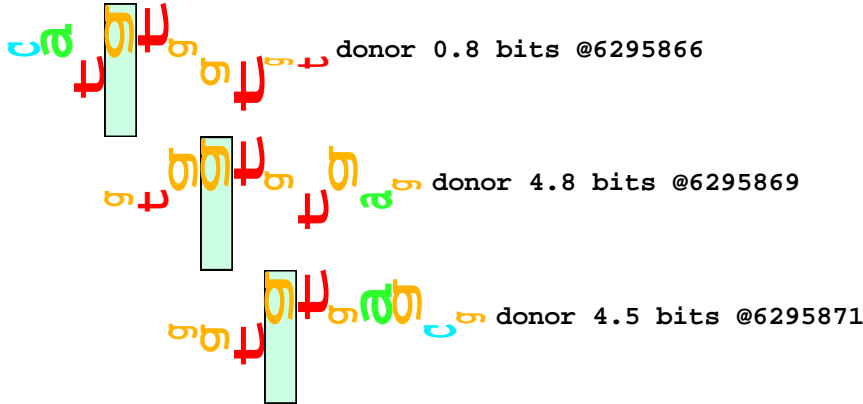
5' t c a t g t g g t g t g a g c g c t c c g t g g t c a t c c t g c t g g a g t 3'

- S - C - G - V - S - A - P - W - S - S - C - W - S -

- H - V - V - A - L - R - G - H - P - A - G - V -

- M - W - C - E - R - S - V - V - I - L - L - E - S -

... ----- ... exon 8.62951



* 6295910 * 6295920 * 6295930

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

- P - P - A - W - G - C - S - A - P - P -

- H - R - P - G - A - A - P - R - L - H -

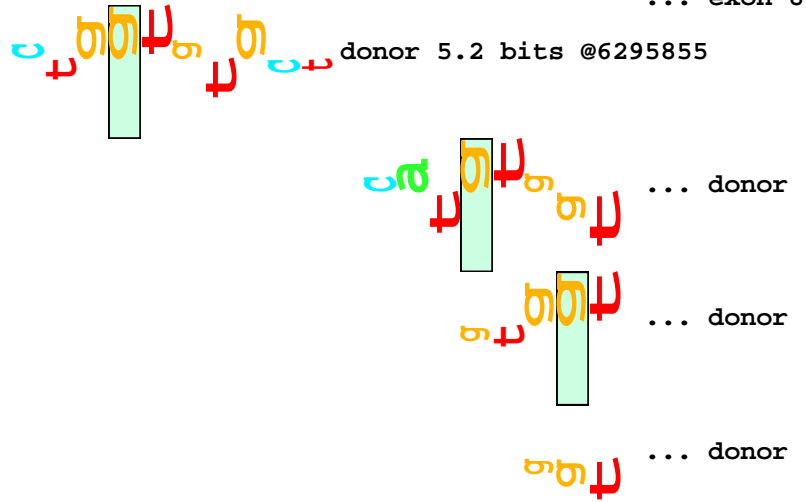
- T - G - L - G - L - L - R - A - S -

... ----- ... exon 8.6295111-6297719

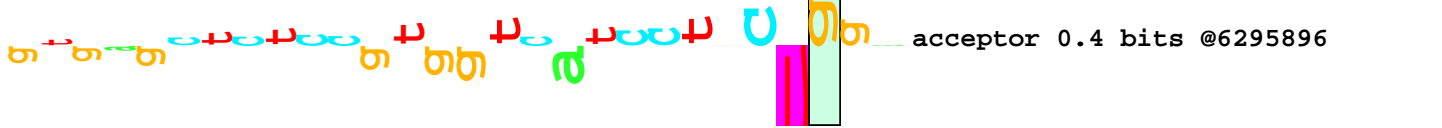
Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 35, 1_35, piece 1, config: linear, direction: +, begin: 6295832, end: 6295940

* *6295840 * *6295850 * *6295860 * *6295870
 5' a c t g c t a c c t t g t g c c c t a c c t g g t g t g c t t c a t g t g g t 3'
 - T - A - T - L - C - P - T - W - C - A - S - C - G -
 - L - L - P - C - A - L - P - G - V - L - H - V - V -
 - C - Y - L - V - P - Y - L - V - C - F - M - W - C -
 ... ----- ... exon 8.62951



* *6295880 * *6295890 * *6295900 *
 5' g t g a g c t c t c c g t g g t c a t c c t g c t g g a g t c c a c c g g c c 3'
 - V - S - S - P - W - S - S - C - W - S - P - P - A -
 - E - L - S - V - V - I - L - L - E - S - T - G - L -
 ... ----- ... exon 8.62951



... donor 0.8 bits @6295866

... donor 4.8 bits @6295869

... donor 3.6 bits @6295871

*6295910 * *6295920 * *6295930 * *6295940
 5' t g g g g c t g c t c c g c g c c t c c a t c g g c t a c t t 3'
 - W - G - C - S - A - P - P - S - A - T -
 - G - A - A - P - R - L - H - R - L - L -
 - G - L - L - R - A - S - I - G - Y -

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

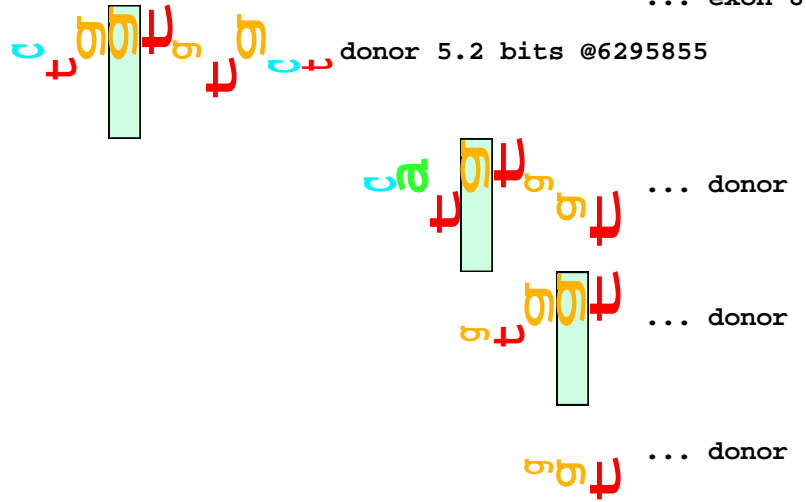
References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 36, 1_36, c.1637T>A t6295886a, config: linear, direction: +, begin: 6295832, end: 6295940

* *6295840 * *6295850 * *6295860 * *6295870
 5' a c t g c t a c c t t g t g c c c t a c c t g g t g t g c t t c a t g t g g t 3'
 - T - A - T - L - C - P - T - W - C - A - S - C - G -
 - L - L - P - C - A - L - P - G - V - L - H - V - V -
 - C - Y - L - V - P - Y - L - V - C - F - M - W - C -
 ... ----- ... exon 8.62951



* *6295880 * *6295890 * *6295900 *
 5' g t g a g c t c t c c g t g g a c a t c c t g c t g g a g t c c a c c g g c c 3'
 - V - S - S - P - W - T - S - C - W - S - P - P - A -
 - E - L - S - V - D - I - L - L - E - S - T - G - L -
 ... ----- ... exon 8.62951

... donor 0.8 bits @6295866

... donor 4.8 bits @6295869

... donor 3.6 bits @6295871

*6295910 * *6295920 * *6295930 * *6295940
 5' t g g g g c t g c t c c g c g c c t c c a t c g g c t a c t t 3'
 - W - G - C - S - A - P - P - S - A - T -
 - G - A - A - P - R - L - H - R - L - L -
 - G - L - L - R - A - S - I - G - Y -
 ... ----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 37, 1_37, piece 1, config: linear, direction: +, begin: 6295868, end: 6295976

*6295870 * *6295880 * *6295890 * *6295900 *

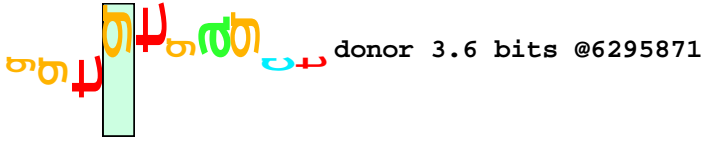
5' g g t g t g a g c t c t c c g t g g t c a t c c t g c t g g a g t c c a c c g 3'

- G - V - S - S - P - W - S - S - C - W - S - P - P -

- V - ● - A - L - R - G - H - P - A - G - V - H - R -

- C - E - L - S - V - V - I - L - L - E - S - T - G -

... exon 8.62951



*6295910 * *6295920 * *6295930 * *6295940 *

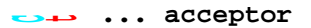
5' g c c t g g g g g c t g c t c c g c g c c c t c c a t c g g c t a c t t c c t c t 3'

- A - W - G - C - S - A - P - P - S - A - T - S - S -

- P - G - A - A - P - R - L - H - R - L - L - P - L -

- L - G - L - L - R - A - S - I - G - Y - F - L - F -

... exon 8.62951



*6295950 * *6295960 * *6295970 *

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

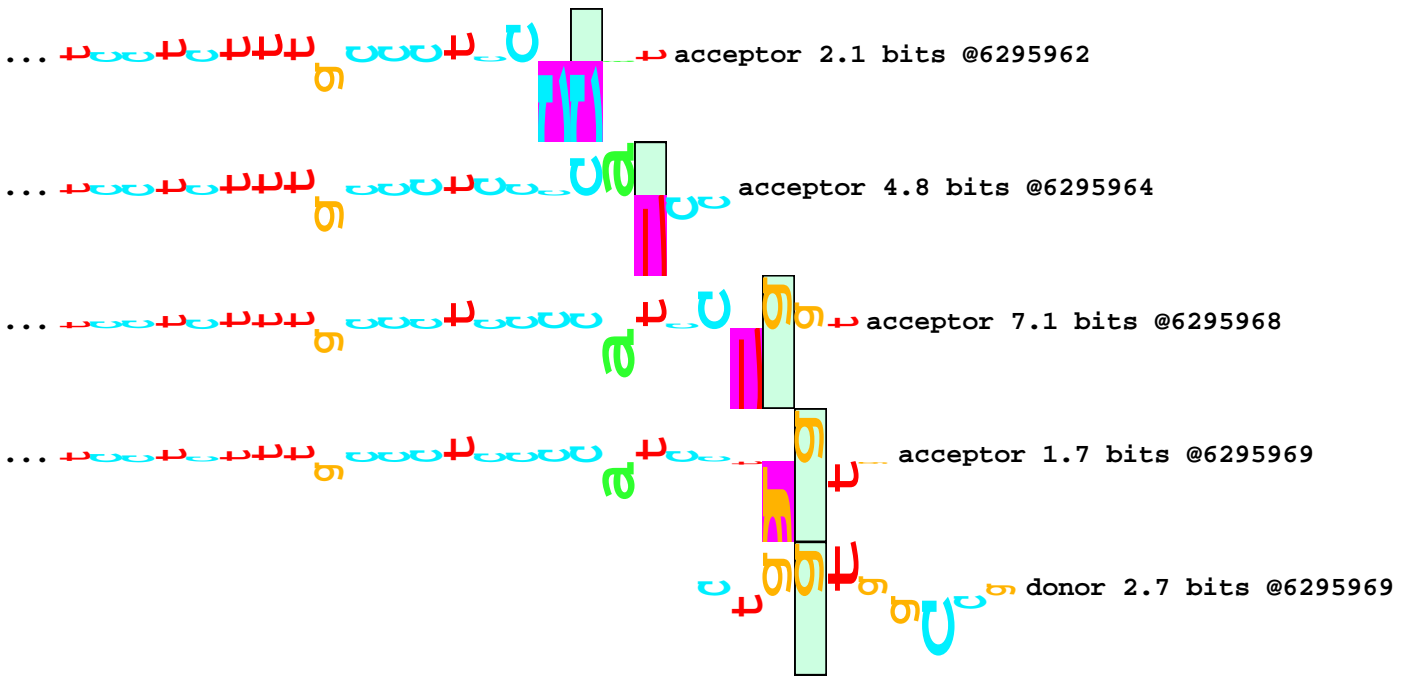
- S - S - L - P - S - P - S - W - W - P -

- P - L - C - P - P - H - P - G - G - R -

- L - F - A - L - P - I - L - V - A -

... exon 8.6295111-6297719





Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 38, 1_38, c.1673G>A g6295922a, config: linear, direction: +, begin: 6295868, end: 6295976

*6295870 * *6295880 * *6295890 * *6295900 *

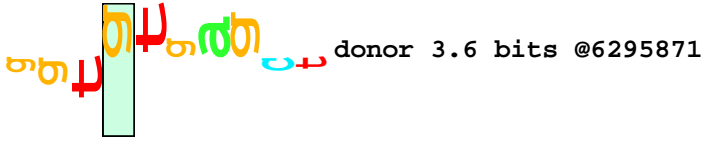
5' g g t g t g a g c t c t c c g t g g t c a t c c t g c t g g a g t c c a c c g 3'

- G - V - S - S - P - W - S - S - C - W - S - P - P -

- V - ● - A - L - R - G - H - P - A - G - V - H - R -

- C - E - L - S - V - V - I - L - L - E - S - T - G -

... exon 8.62951



*6295910 * *6295920 * *6295930 * *6295940 *

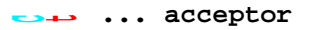
5' g c c t g g g g g c t g c t c c a c g c c t c c a t c g g c t a c t t c c t c t 3'

- A - W - G - C - S - T - P - P - S - A - T - S - S -

- P - G - A - A - P - R - L - H - R - L - L - P - L -

- L - G - L - L - H - A - S - I - G - Y - F - L - F -

... exon 8.62951



*6295950 * *6295960 * *6295970 *

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

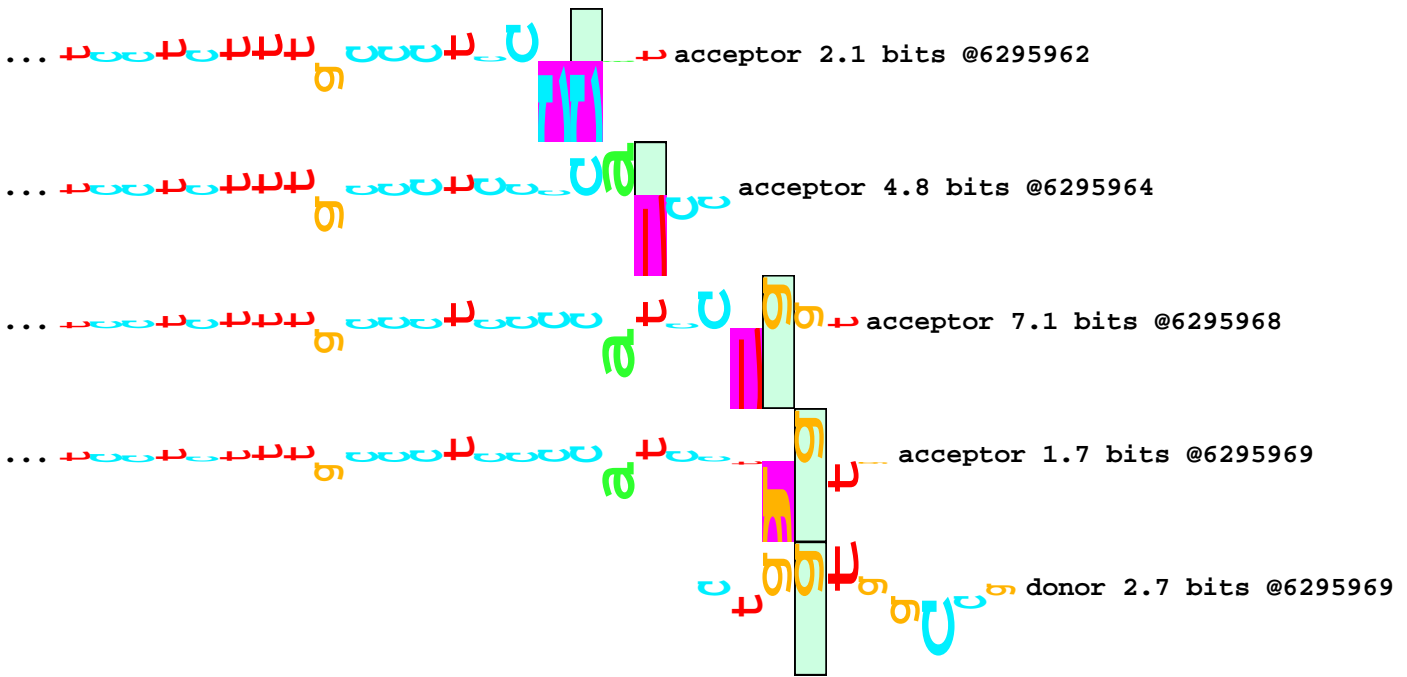
- S - S - L - P - S - P - S - W - W - P -

- P - L - C - P - P - H - P - G - G - R -

- L - F - A - L - P - I - L - V - A -

... exon 8.6295111-6297719





Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 39, 1_39, piece 1, config: linear, direction: +, begin: 6296011, end: 6296119

* 6296020 * * 6296030 * * 6296040 *

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

- W - F - T - S - L - E - L - T - K - I - A - V - T -

- G - S - R - L - W - S - S - P - R - S - Q - S - P -

- V - H - V - S - G - A - H - Q - D - R - S - H - R -

... ----- ... exon 8.62951



* 6296050 * * 6296060 * * 6296070 * * 6296080 *

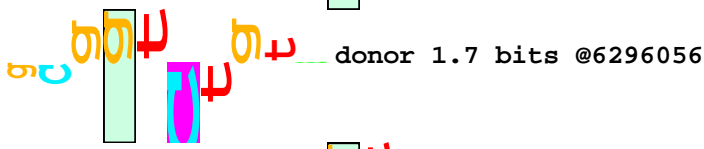
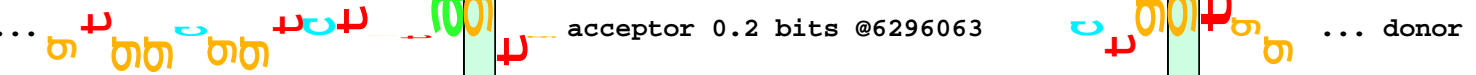
5' g t g g c g g t c t g t a g t g t g c c c c t g c t g t t g c g c t g g t g g 3'

- V - A - V - C - S - V - P - L - L - L - R - W - W -

- W - R - S - V - V - C - P - C - C - C - A - G - G -

- G - G - L - C - A - P - A - V - A - L - V - D -

... ----- ... exon 8.62951



* 6296090 * * 6296100 * * 6296110 *

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

- T - K - A - S - F - S - V - V - G - M -

- P - R - P - A - S - L - W - W - G - W -

- Q - G - Q - L - L - C - G - G - D -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 40, 1_40, c.1816G>C g296065c, config: linear, direction: +, begin: 6296011, end: 6296119

* 6296020 * 6296030 * 6296040 *

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

- W - F - T - S - L - E - L - T - K - I - A - V - T -

- G - S - R - L - W - S - S - P - R - S - Q - S - P -

- V - H - V - S - G - A - H - Q - D - R - S - H - R -

... exon 8.62951

* 6296050 * 6296060 * 6296070 * 6296080 *

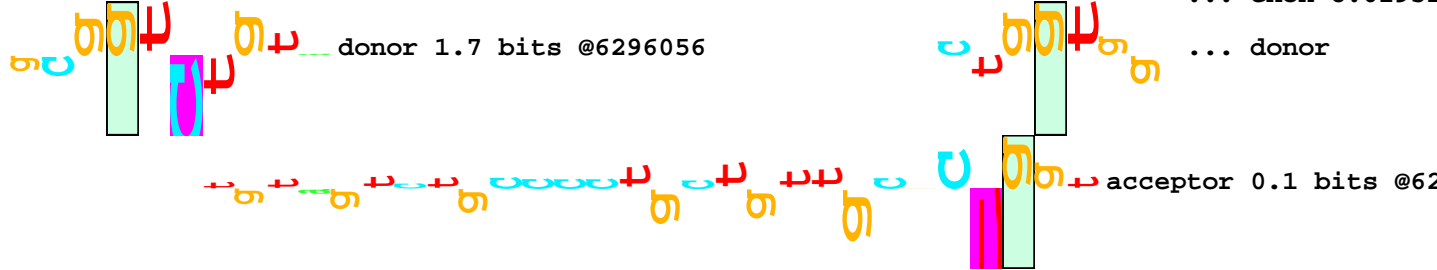
5' g t g g c g g t c t g t a g t c t g c c c c t g c t g t t g c g c t g g t g g 3'

- V - A - V - C - S - L - P - L - L - L - R - W - W -

- W - R - S - V - V - C - P - C - C - C - A - G - G -

- G - G - L - S - A - P - A - V - A - L - V - D -

... exon 8.62951



* 6296090 * 6296100 * 6296110 *

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

- T - K - A - S - F - S - V - V - G - M -

- P - R - P - A - S - L - W - W - G - W -

- Q - G - Q - L - L - C - G - G - D -

... exon 8.6295111-6297719

donor 2.5 bits @6296085

donor 5.3 bits @6296110

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 41, 1_41, piece 1, config: linear, direction: +, begin: 6296015, end: 6296123

* 6296020 * 6296030 * 6296040 * 6296050

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

- S - R - L - W - S - S - P - R - S - Q - S - P - W -

- H - V - S - G - A - H - Q - D - R - S - H - R - G -

- T - S - L - E - L - T - K - I - A - V - T - V - A -

... ----- ... exon 8.62951

... donor



* 6296060 * 6296070 * 6296080 * 6296090

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

- R - S - V - V - C - P - C - C - C - A - G - G - P -

- G - L - C - A - P - A - V - A - L - V - D - Q -

- V - C - S - V - P - L - L - L - R - W - W - T - K -

... ----- ... exon 8.62951

... donor 1.7 bits @6296056

... donor 2.5 bits @6296080

... acceptor 0.2 bits @6296063

... donor 1.3 bits @6296063

* 6296100 * 6296110 * 6296120

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

- R - P - A - S - L - W - W - G - W -

- G - Q - L - L - C - G - G - D - G - E -

- A - S - F - S - V - V - G - M - V -

... ----- ... exon 8.6295111-6297719

... donor 5.3 bits @6296110

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 42, 1_42, c.1820C>G c6296069g, config: linear, direction: +, begin: 6296015, end: 6296123

* 6296020 * 6296030 * 6296040 * 6296050

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

- S - R - L - W - S - S - P - R - S - Q - S - P - W -

- H - V - S - G - A - H - Q - D - R - S - H - R - G -

- T - S - L - E - L - T - K - I - A - V - T - V - A -

... exon 8.62951

... donor

... acceptor

* 6296060 * 6296070 * 6296080 * 6296090

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

- R - S - V - V - C - A - C - C - C - A - G - G - P -

- G - L - C - A - P - A - V - A - L - V - D - Q -

- V - C - S - V - R - L - L - L - R - W - W - T - K -

... exon 8.62951

... donor 1.7 bits @6296056

... donor 2.5 bits @6296080

... acceptor 0.2 bits @6296063

... donor 1.9 bits @6296063

... donor 1.9 bits @6296065

* 6296100 * 6296110 * 6296120

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

- R - P - A - S - L - W - W - G - W -

- G - Q - L - L - C - G - G - D - G - E -

- A - S - F - S - V - V - G - M - V -

... exon 8.6295111-6297719

... donor 5.3 bits @6296110

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 43, 1_43, piece 1, config: linear, direction: +, begin: 6296080, end: 6296188

*6296080 * *6296090 * *6296100 * *6296110 *

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

- R - W - W - T - K - A - S - F - S - V - V - G - M -

- A - G - G - P - R - P - A - S - L - W - W - G - W -

- L - V - D - Q - G - Q - L - L - C - G - G - D - G -

... ----- ... exon 8.62951



*6296120 * *6296130 * *6296140 * *6296150 *

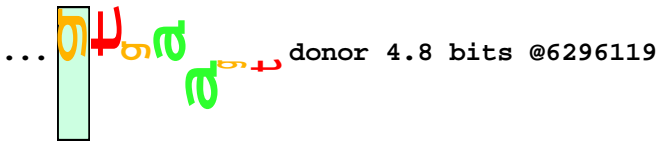
5' g t g a a g t c c c t g a c g c g g a g c t c c a t g g t c a a g c t c a t c 3'

- V - K - S - L - T - R - S - S - M - V - K - L - I -

- S - P - R - G - A - P - W - S - S - S - S -

- E - V - P - D - A - E - L - H - G - Q - A - H - P -

... ----- ... exon 8.62951



*6296160 * *6296170 * *6296180 *

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

- L - V - W - L - T - A - I - V - L - F -

- W - C - G - S - R - P - S - C - C - S -

- G - V - A - H - G - H - R - A - V -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 44, 1_44, c.1885C>T c6296134t, config: linear, direction: +, begin: 6296080, end: 6296188

*6296080 * *6296090 * *6296100 * *6296110 *

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

- R - W - W - T - K - A - S - F - S - V - V - G - M -

- A - G - G - P - R - P - A - S - L - W - W - G - W -

- L - V - D - Q - G - Q - L - L - C - G - G - D - G -



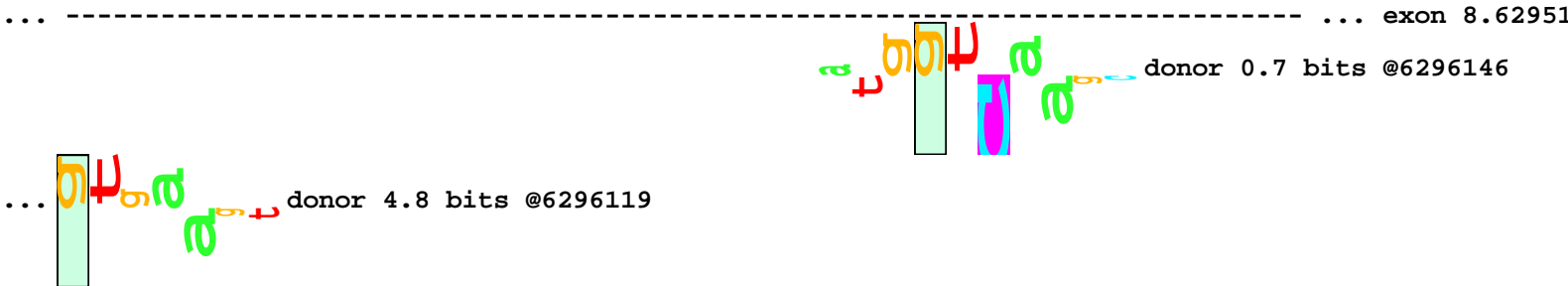
*6296120 * *6296130 * *6296140 * *6296150 *

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

- V - K - S - L - T - W - S - S - M - V - K - L - I -

- S - P - R - G - A - P - W - S - S - S - S -

- E - V - P - D - V - E - L - H - G - Q - A - H - P -



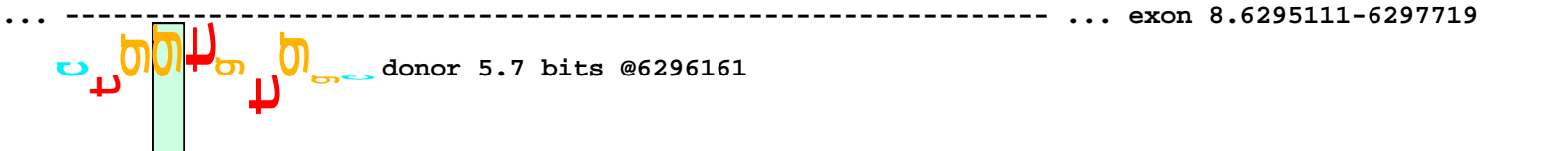
*6296160 * *6296170 * *6296180 *

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

- L - V - W - L - T - A - I - V - L - F -

- W - C - G - S - R - P - S - C - C - S -

- G - V - A - H - G - H - R - A - V -



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 45, 1_45, piece 1, config: linear, direction: +, begin: 6296201, end: 6296309

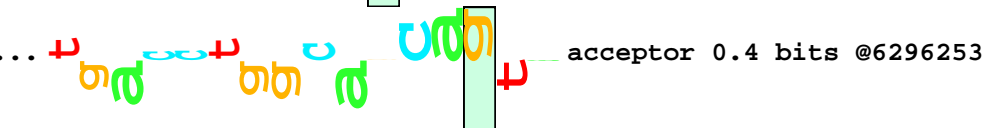
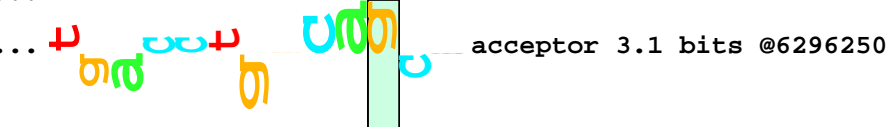
* 6296210 * 6296220 * 6296230 *
 5' t g t a c c g c t c a g a g g g c a t g a a g g t c t a c a a c t c c a c a c 3'
 - C - T - A - Q - R - A - ● - R - S - T - T - P - H -
 - V - P - L - R - G - H - E - G - L - Q - L - H - T -
 - Y - R - S - E - G - M - K - V - Y - N - S - T - L -

... exon 8.62951



* 6296240 * 6296250 * 6296260 * 6296270 *
 5' t g a c c t g g c a g c a g t a t g g t g c g c t g t g c g g g c c a c g c g 3'
 - ● - P - G - S - S - M - V - R - C - A - G - H - A -
 - D - L - A - A - V - W - C - A - V - R - A - T - R -
 - T - W - Q - Q - Y - G - A - L - C - G - P - R - A -

... exon 8.62951



* 6296280 * 6296290 * 6296300 *
 5' c c t g g a a g g a g a c c a a c a t g g c g c g c a c c c a 3'
 - P - G - R - R - P - T - W - R - A - P -
 - L - E - G - D - Q - H - G - A - H - P -
 - W - K - E - T - N - M - A - R - T -

... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 46, 1_46, c.2006A>G a6296255g, config: linear, direction: +, begin: 6296201, end: 6296309

* 6296210 * 6296220 * 6296230 *

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

- C - T - A - Q - R - A - R - S - T - T - P - H -

- V - P - L - R - G - H - E - G - L - Q - L - H - T -

- Y - R - S - E - G - M - K - V - Y - N - S - T - L -

... exon 8.62951



* 6296240 * 6296250 * 6296260 * 6296270 *

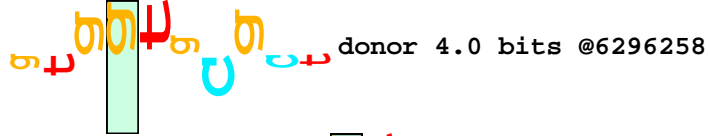
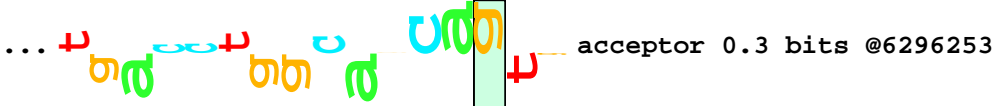
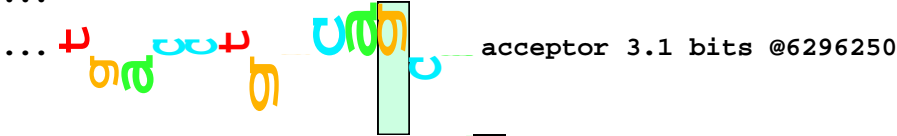
5' t g a c c t g g c a g c a g t g t g g t g c g c t g t g c g g g c c a c g c g 3'

- P - G - S - S - V - V - R - C - A - G - H - A -

- D - L - A - A - V - W - C - A - V - R - A - T - R -

- T - W - Q - Q - C - G - A - L - C - G - P - R - A -

... exon 8.62951



* 6296280 * 6296290 * 6296300 *

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

- P - G - R - R - P - T - W - R - A - P -

- L - E - G - D - Q - H - G - A - H - P -

- W - K - E - T - N - M - A - R - T -

... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 47, 1_47, piece 1, config: linear, direction: +, begin: 6296246, end: 6296354

*6296250 * *6296260 * *6296270 * *6296280

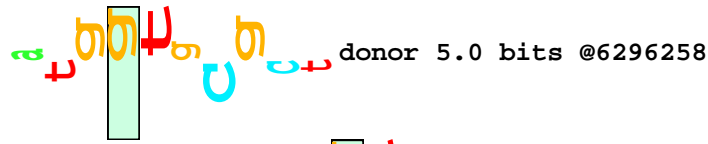
5' g g c a g c a g t a t g g t g c g c t g t g c g g g c c a c g c g c c t g g a 3'

- G - S - S - M - V - R - C - A - G - H - A - P - G -

- A - A - V - W - C - A - V - R - A - T - R - L - E -

- Q - Q - Y - G - A - L - C - G - P - R - A - W - K -

... exon 8.62951



* *6296290 * *6296300 * *6296310 * *6296320

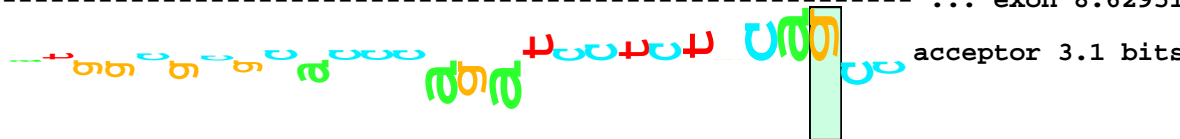
5' a g g a g a c c a a c a t g g c g c g c a c c c a g a t c c c t c t g c a g c c c 3'

- R - R - P - T - W - R - A - P - R - S - S - A - A -

- G - D - Q - H - G - A - H - P - D - P - L - Q - P -

- E - T - N - M - A - R - T - Q - I - L - C - S - H -

... exon 8.62951



* *6296330 * *6296340 * *6296350

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

- T - W - R - A - T - G - S - R - G - P -

- P - G - G - P - Q - G - G - H - V - D - R -

- L - E - G - H - R - V - T - W - T -

... exon 8.6295111-6297719



piece 48, 1_48, c.2051C>T c6296300t, config: linear, direction: +, begin: 6296246, end: 6296354

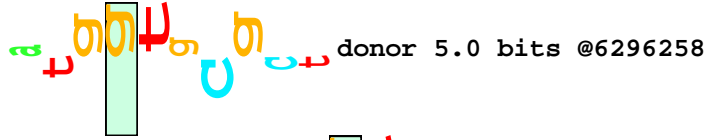
*6296250 * *6296260 * *6296270 * *6296280

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

- G - S - S - M - V - R - C - A - G - H - A - P - G -

- A - A - V - W - C - A - V - R - A - T - R - L - E -

- Q - Q - Y - G - A - L - C - G - P - R - A - W - K -



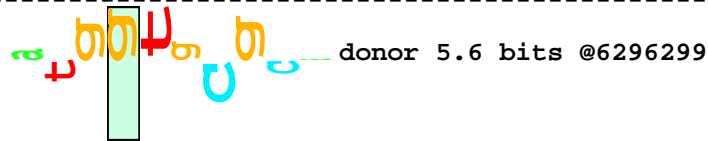
* *6296290 * *6296300 * *6296310 * *6296320

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

- R - R - P - T - W - C - A - P - R - S - S - A - A -

- G - D - Q - H - G - A - H - P - D - P - L - Q - P -

- E - T - N - M - V - R - T - Q - I - L - C - S - H -



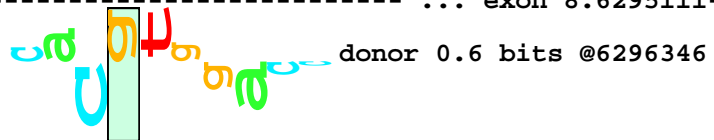
* *6296330 * *6296340 * *6296350

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

- T - W - R - A - T - G - S - R - G - P -

- P - G - G - P - Q - G - H - V - D - R -

- L - E - G - H - R - V - T - W - T -

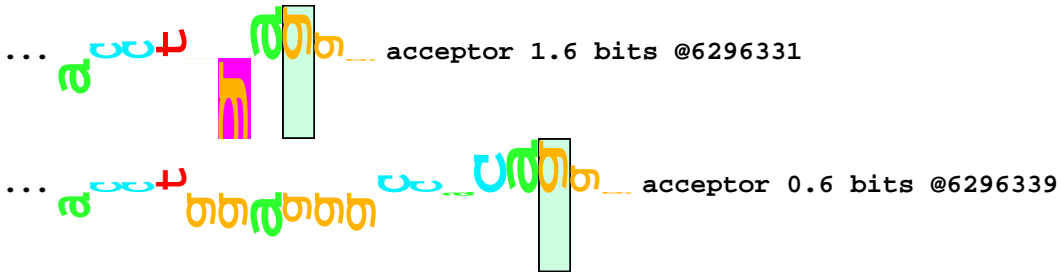


Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 49, 1_49, piece 1, config: linear, direction: +, begin: 6296263, end: 6296371

* 6296270 * 6296280 * 6296290 * 6296300

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

- L - C - G - P - R - A - W - K - E - T - N - M - A -

- C - A - G - H - A - P - G - R - R - P - T - W - R -

- V - R - A - T - R - L - E - G - D - Q - H - G - A -

... ----- ... exon 8.62951

... acceptor

* 6296310 * 6296320 * 6296330 * 6296340

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

- R - T - Q - I - L - C - S - H - L - E - G - H - R -

- A - P - R - S - S - A - A - T - W - R - A - T - G -

- H - P - D - P - L - Q - P - P - G - G - P - Q - G -

... ----- ... exon 8.62951

... acceptor 3.1 bits @6296321

... acceptor 1.6 bits @6296331

... acceptor

* 6296350 * 6296360 * 6296370

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

- V - T - W - T - G - R - F - K - Y - V -

- S - R - G - P - A - A - S - S - T - S -

- H - V - D - R - P - L - Q - V - R -

... ----- ... exon 8.6295111-6297719

... donor 0.6 bits @6296346

... donor 6.4 bits @6296364

... acceptor 0.6 bits @6296339

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 50, 1_50, c.2068T>C t6296317c, config: linear, direction: +, begin: 6296263, end: 6296371

* 6296270 * 6296280 * 6296290 * 6296300

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

- L - C - G - P - R - A - W - K - E - T - N - M - A -

- C - A - G - H - A - P - G - R - R - P - T - W - R -

- V - R - A - T - R - L - E - G - D - Q - H - G - A -

... ----- ... exon 8.62951

... acceptor

* 6296310 * 6296320 * 6296330 * 6296340

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

- R - T - Q - I - L - R - S - H - L - E - G - H - R -

- A - P - R - S - S - A - A - T - W - R - A - T - G -

- H - P - D - P - P - Q - P - P - G - G - P - Q - G -

... ----- ... exon 8.62951

... acceptor 2.4 bits @6296321

... acceptor 1.2 bits @6296331

... acceptor

* 6296350 * 6296360 * 6296370

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

- V - T - W - T - G - R - F - K - Y - V -

- S - R - G - P - A - A - S - S - T - S -

- H - V - D - R - P - L - Q - V - R -

... ----- ... exon 8.6295111-6297719

donor 0.6 bits @6296346

donor 6.4 bits @6296364

... acceptor 0.6 bits @6296339

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 51, 1_51, piece 1, config: linear, direction: +, begin: 6296279, end: 6296387

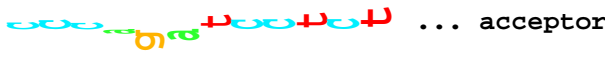
*6296280 * *6296290 * *6296300 * *6296310 *

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

- P - G - R - R - P - T - W - R - A - P - R - S - S -

- L - E - G - D - Q - H - G - A - H - P - D - P - L -

- W - K - E - T - N - M - A - R - T - Q - I - L - C -



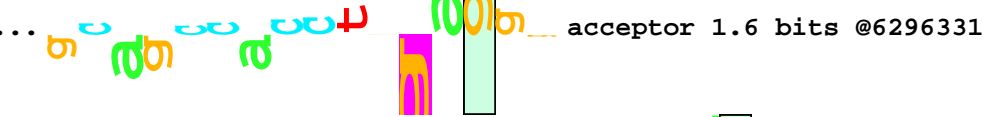
*6296320 * *6296330 * *6296340 * *6296350 *

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

- A - A - T - W - R - A - T - G - S - R - G - P - A -

- Q - P - P - G - G - P - Q - G - H - V - D - R - P -

- S - H - L - E - G - H - R - V - T - W - T - G - R -



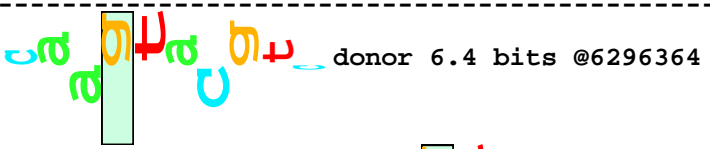
*6296360 * *6296370 * *6296380 *

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

- A - S - S - T - S - A - L - T - S -

- L - Q - V - R - P - R - D - H - R -

- F - K - Y - V - R - V - T - D - I -



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 52, 1_52, c.2084G>T g6296333t, config: linear, direction: +, begin: 6296279, end: 6296387

*6296280 * *6296290 * *6296300 * *6296310 *

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

- P - G - R - R - P - T - W - R - A - P - R - S - S -

- L - E - G - D - Q - H - G - A - H - P - D - P - L -

- W - K - E - T - N - M - A - R - T - Q - I - L - C -



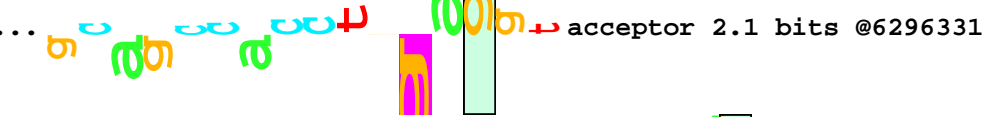
*6296320 * *6296330 * *6296340 * *6296350 *

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

- A - A - T - W - R - S - T - G - S - R - G - P - A -

- Q - P - P - G - G - P - Q - G - H - V - D - R - P -

- S - H - L - E - V - H - R - V - T - W - T - G - R -



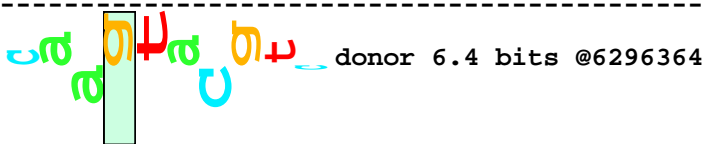
*6296360 * *6296370 * *6296380 *

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

- A - S - S - T - S - A - L - T - S -

- L - Q - V - R - P - R - D - H - R -

- F - K - Y - V - R - V - T - D - I -



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

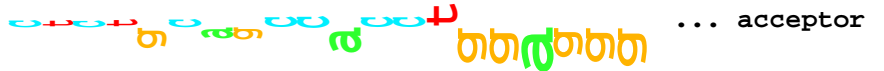
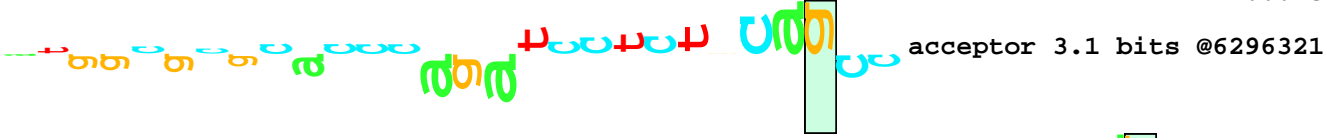
piece 53, 1_53, piece 1, config: linear, direction: +, begin: 6296295, end: 6296403

```

*           *6296300 *           *6296310 *           *6296320 *           *6296330
5' c a t g g c g c g c a c c c a g a t c c t c t g c a g c c a c c t g g a g g g 3'
- H - G - A - H - P - D - P - L - Q - P - P - G - G -
- M - A - R - T - Q - I - L - C - S - H - L - E - G -
- W - R - A - P - R - S - S - A - A - T - W - R - A -

```

... exon 8.62951



```

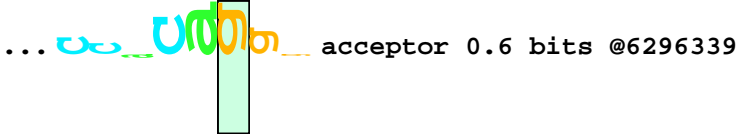
*           *6296340 *           *6296350 *           *6296360 *           *6296370
5' c c a c a g g g t c a c g t g g a c c g g c c g c t t c a a g t a c g t c c g 3'
- P - Q - G - H - V - D - R - P - L - Q - P - V - R - P -
- H - R - V - T - W - T - G - R - F - K - Y - V - R -
- T - G - S - R - G - P - A - A - S - S - T - S - A -

```

... exon 8.62951



... donor



```

*           *6296380 *           *6296390 *           *6296400
5' c g t g a c t g a c a t c g a c a a c a g c g c c g a g t c t 3'
- R - D - H - R - Q - Q - R - R - V -
- V - T - D - I - D - N - S - A - E - S -
- L - T - S - T - T - A - P - S -

```

... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

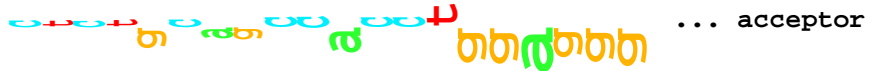
piece 54, 1_54, c.2100G>T g6296349t, config: linear, direction: +, begin: 6296295, end: 6296403

```

*           *6296300 *           *6296310 *           *6296320 *           *6296330
5' c a t g g c g c g c a c c c a g a t c c t c t g c a g c c a c c t g g a g g g 3'
- H - G - A - H - P - D - P - L - Q - P - P - G - G -
- M - A - R - T - Q - I - L - C - S - H - L - E - G -
- W - R - A - P - R - S - S - A - A - T - W - R - A -

```

... exon 8.62951



```

*           *6296340 *           *6296350 *           *6296360 *           *6296370
5' c c a c a g g g t c a c g t g t a c c g g c c g c t t c a a g t a c g t c c g 3'
- P - Q - G - H - V - Y - R - P - L - Q - P - V - R - P -
- H - R - V - T - C - T - G - R - F - K - Y - V - R -
- T - G - S - R - V - P - A - A - S - S - T - S - A -

```

... exon 8.62951



... donor



```

*           *6296380 *           *6296390 *           *6296400
5' c g t g a c t g a c a t c g a c a a c a g c g c c g a g t c t 3'
- R - D - H - R - Q - Q - R - R - V -
- V - T - D - I - D - N - S - A - E - S -
- L - T - S - T - T - A - P - S -

```

... exon 8.62951111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 55, 1_55, piece 1, config: linear, direction: +, begin: 6296317, end: 6296425

*6296320 * *6296330 * *6296340 * *6296350 *

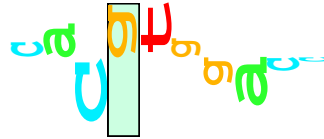
5' t g c a g c c a c c t g g a g g g c c a c a g g g t c a c g t g g a c c g g c 3'

- C - S - H - L - E - G - H - R - V - T - W - T - G -

- A - A - T - W - R - A - T - G - S - R - G - P - A -

- Q - P - P - G - G - P - Q - G - H - V - D - R - P -

... exon 8.62951



donor 0.6 bits @6296346

*6296360 * *6296370 * *6296380 * *6296390

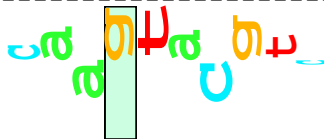
5' c g c t t c a a g t a c g t c c g c g t g a c t g a c a t c g a c a a c a g c 3'

- R - F - K - Y - V - R - V - T - D - I - D - N - S -

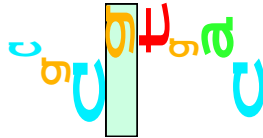
- A - S - S - T - S - A - L - T - S - T - T - A -

- L - Q - V - R - P - R - D - H - R - Q - Q - R -

... exon 8.62951



donor 6.4 bits @6296364



donor 2.4 bits @6296374

* *6296400 * *6296410 * *6296420 *

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

- A - E - S - A - I - N - M - L - P - F -

- P - S - L - P - S - T - C - S - R - S -

- R - V - C - H - Q - H - A - P - V -

... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 56, 1_56, c.2122C>T c6296371t, config: linear, direction: +, begin: 6296317, end: 6296425

*6296320 * *6296330 * *6296340 * *6296350 *

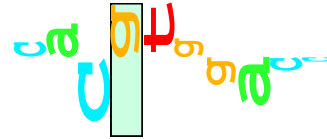
5' t g c a g c c a c c t g g a g g g c c a c a g g g t c a c g t g g a c c g g c 3'

- C - S - H - L - E - G - H - R - V - T - W - T - G -

- A - A - T - W - R - A - T - G - S - R - G - P - A -

- Q - P - P - G - G - P - Q - G - H - V - D - R - P -

... exon 8.62951



donor 0.6 bits @6296346

*6296360 * *6296370 * *6296380 * *6296390

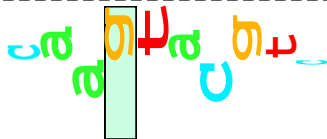
5' c g c t t c a a g t a c g t c t g c g t g a c t g a c a t c g a c a a c a g c 3'

- R - F - K - Y - V - C - V - T - D - I - D - N - S -

- A - S - S - T - S - A - L - T - S - T - T - A -

- L - Q - V - R - L - R - D - H - R - Q - Q - R -

... exon 8.62951



donor 6.4 bits @6296364



donor 0.8 bits @6296374

* *6296400 * *6296410 * *6296420 *

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

- A - E - S - A - I - N - M - L - P - F -

- P - S - L - P - S - T - C - S - R - S -

- R - V - C - H - Q - H - A - P - V -

... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 57, 1_57, piece 1, config: linear, direction: +, begin: 6296344, end: 6296452

* 6296350 * 6296360 * 6296370 * 6296380

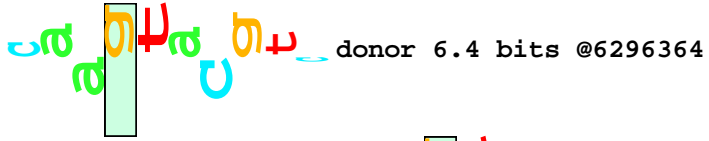
5' a c g t g g a c c g g c c g c t t c a a g t a c g t c c g c g t g a c t g a c 3'

- T - W - T - G - R - F - K - Y - V - R - V - T - D -

- R - G - P - A - A - S - S - T - S - A - L - T -

- V - D - R - P - L - Q - V - R - P - R - D - H -

... ----- ... exon 8.62951



* 6296390 * 6296400 * 6296410 * 6296420

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

- I - D - N - S - A - E - S - A - I - N - M - L - P -

- S - T - T - A - P - S - L - P - S - T - C - S - R -

- R - Q - Q - R - R - V - C - H - Q - H - A - P - V -

... ----- ... exon 8.62951



* 6296430 * 6296440 * 6296450

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

- F - F - I - G - D - W - M - R - C - L -

- S - S - S - A - T - G - C - A - A - S -

- L - H - R - R - L - D - A - L - P -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 58, 1_58, c.2149G>A g6296398a, config: linear, direction: +, begin: 6296344, end: 6296452

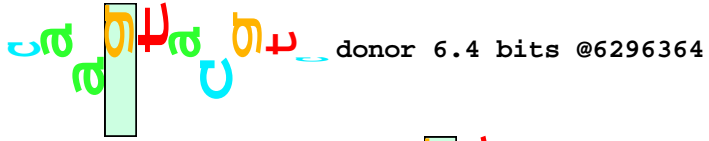
* 6296350 * 6296360 * 6296370 * 6296380

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

- T - W - T - G - R - F - K - Y - V - R - V - T - D -

- R - G - P - A - A - S - S - T - S - A - L - T -

- V - D - R - P - L - Q - V - R - P - R - D - H -



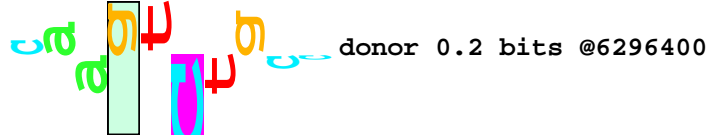
* 6296390 * 6296400 * 6296410 * 6296420

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

- I - D - N - S - A - K - S - A - I - N - M - L - P -

- S - T - T - A - P - S - L - P - S - T - C - S - R -

- R - Q - Q - R - Q - V - C - H - Q - H - A - P - V -



* 6296430 * 6296440 * 6296450

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

- F - F - I - G - D - W - M - R - C - L -

- S - S - S - A - T - G - C - A - A - S -

- L - H - R - R - L - D - A - L - P -



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 59, 1_59, piece 1, config: linear, direction: +, begin: 6296366, end: 6296474

*6296370 * *6296380 * *6296390 * *6296400

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

- T - S - A - L - T - S - T - T - A - P - S - L -

- R - P - R - D - H - R - Q - Q - R - R - V - C -

- V - R - V - T - D - I - D - N - S - A - E - S - A -

... exon 8.62951



* *6296410 * *6296420 * *6296430 * *6296440

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

- P - S - T - C - S - R - S - S - S - A - T - G - C -

- H - Q - H - A - P - V - L - H - R - R - L - D - A -

- I - N - M - L - P - F - F - I - G - D - W - M - R -

... exon 8.62951



* *6296450 * *6296460 * *6296470

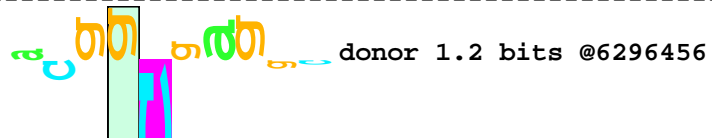
5' g c t g c c t c t a c g g c g a g g c c t a c c c t g c c t g 3'

- A - A - S - T - A - R - P - T - L - P -

- L - P - L - R - R - G - L - P - C - L -

- C - L - Y - G - E - A - Y - P - A -

... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 60, 1_60, c.2171C>T c6296420t, config: linear, direction: +, begin: 6296366, end: 6296474

*6296370 * *6296380 * *6296390 * *6296400

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

- T - S - A - L - T - S - T - T - A - P - S - L -

- R - P - R - D - H - R - Q - Q - R - R - V - C -

- V - R - V - T - D - I - D - N - S - A - E - S - A -

... ----- ... exon 8.62951



* *6296410 * *6296420 * *6296430 * *6296440

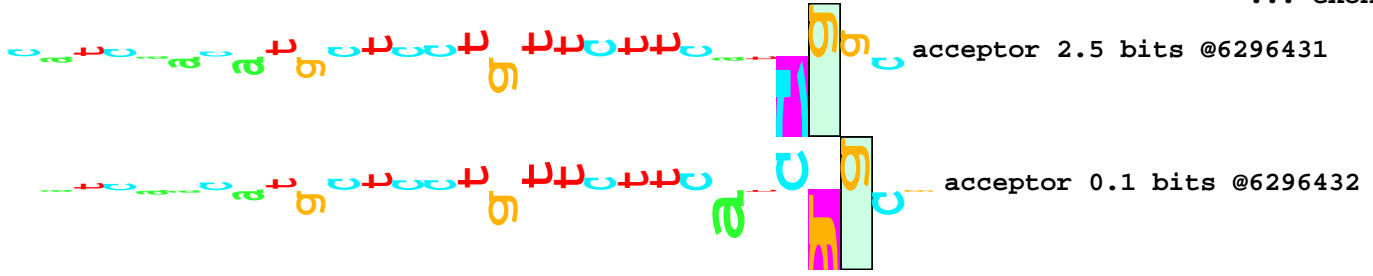
5' c c a t c a a c a t g c t c c t g t t c t t c a t c g g c g a c t g g a t g c 3'

- P - S - T - C - S - C - S - S - S - A - T - G - C -

- H - Q - H - A - P - V - L - H - R - R - L - D - A -

- I - N - M - L - L - F - F - I - G - D - W - M - R -

... ----- ... exon 8.62951



* *6296450 * *6296460 * *6296470

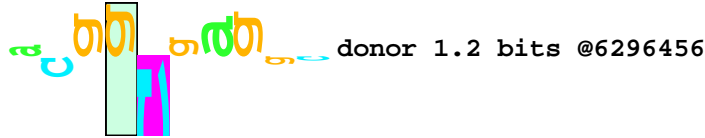
5' g c t g c c t c t a c g g c g a g g c c t a c c c t g c c t g 3'

- A - A - S - T - A - R - P - T - L - P -

- L - P - L - R - R - G - L - P - C - L -

- C - L - Y - G - E - A - Y - P - A -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 61, 1_61, piece 1, config: linear, direction: +, begin: 6296401, end: 6296509

* 6296410 * 6296420 * 6296430 *

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

- S - A - I - N - M - L - P - F - F - I - G - D - W -

- L - P - S - T - C - S - R - S - S - S - A - T - G -

- C - H - Q - H - A - P - V - L - H - R - R - L - D -

... exon 8.62951



* 6296440 * 6296450 * 6296460 * 6296470 *

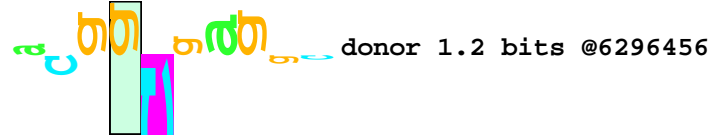
5' a t g c g c t g c c t c t a c g g c g a g g c c t a c c c t g c c t g c a g c 3'

- M - R - C - L - Y - G - E - A - Y - P - A - C - S -

- C - A - A - S - T - A - R - P - T - L - P - A - A -

- A - L - P - L - R - R - G - L - P - C - L - Q - P -

... exon 8.62951



* 6296480 * 6296490 * 6296500 *

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

- P - G - N - T - S - T - A - E - E - E -

- L - A - T - P - P - R - P - R - R - S -

- W - Q - H - L - H - G - R - G - G -

... exon 8.6295111-6297719

... acceptor 3.4 bits @6296477

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 62, 1_62, c.2206G>A g6296455a, config: linear, direction: +, begin: 6296401, end: 6296509

* 6296410 * * 6296420 * * 6296430 *

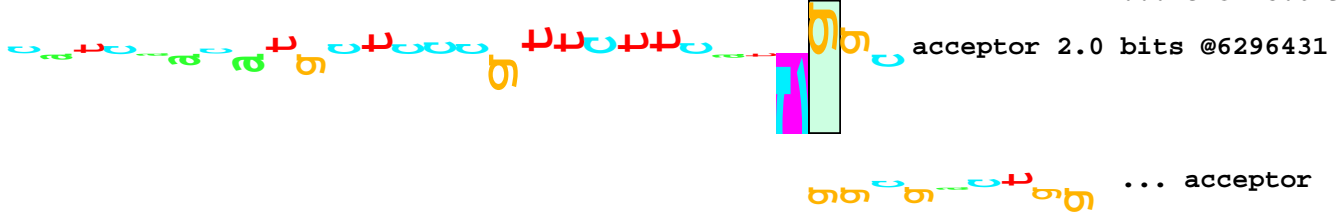
5' t c t g c c a t c a a c a t g c t c c c g t t c t t c a t c g g c g a c t g g 3'

- S - A - I - N - M - L - P - F - F - I - G - D - W -

- L - P - S - T - C - S - R - S - S - S - A - T - G -

- C - H - Q - H - A - P - V - L - H - R - R - L - D -

... exon 8.62951



* 6296440 * * 6296450 * * 6296460 * * 6296470 *

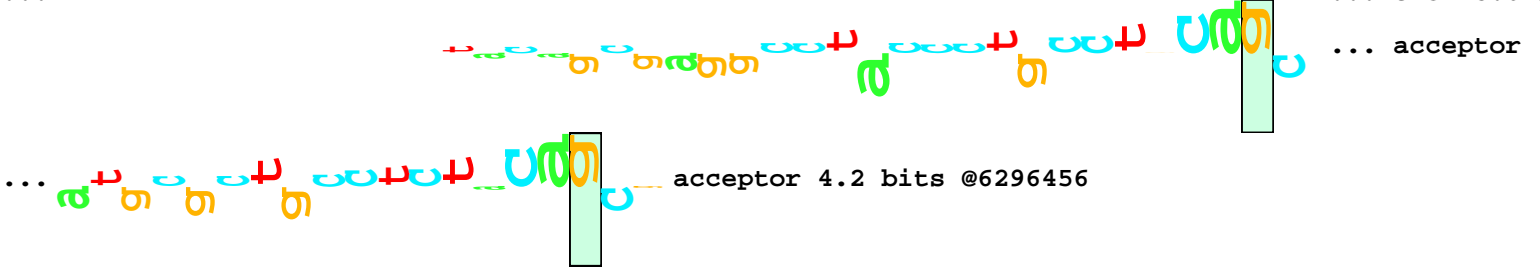
5' a t g c g c t g c c t a c a g c g a g g c c t a c c c t g c c t g c a g c 3'

- M - R - C - L - Y - S - E - A - Y - P - A - C - S -

- C - A - A - S - T - A - R - P - T - L - P - A - A -

- A - L - P - L - Q - R - G - L - P - C - L - Q - P -

... exon 8.62951



* 6296480 * * 6296490 * * 6296500 *

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

- P - G - N - T - S - T - A - E - E - E -

- L - A - T - P - P - R - P - R - R - S -

- W - Q - H - L - H - G - R - G - G -

... exon 8.6295111-6297719

... acceptor 3.8 bits @6296477

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 63, 1_63, piece 1, config: linear, direction: +, begin: 6296533, end: 6296641

* *6296540 * *6296550 * *6296560 * *6296570

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

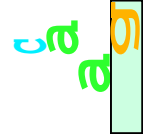
- K - H - P - C - H - I - K - K - F - D - R - Y - K -

- S - T - P - A - T - S - R - S - S - T - A - T - S -

- A - P - L - P - H - Q - E - V - R - P - L - Q - V -

... exon 8.62951

... donor



* *6296580 * *6296590 * *6296600 * *6296610

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

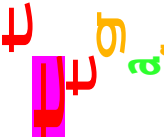
- F - E - I - T - V - G - M - P - F - S - S - G - A -

- L - R - L - P - W - A - C - H - S - A - A - A - L -

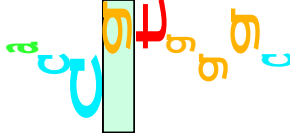
- D - Y - R - G - H - A - I - Q - Q - R - R -

... exon 8.62951

... donor 0.9 bits @6296571



... donor 2.1 bits @6296584



... acceptor 1.1 bits @6296603



* *6296620 * *6296630 * *6296640

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

- D - G - S - R - S - R - E - E - D - D -

- T - A - R - A - A - A - R - R - T - T -

- R - L - A - Q - P - R - G - G - R -

... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 64, 1_64, c.2338G>C g6296587c, config: linear, direction: +, begin: 6296533, end: 6296641

* 6296540 * 6296550 * 6296560 * 6296570

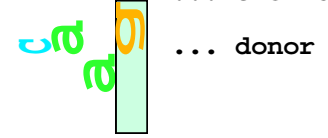
5' a a g c a c c c c t g c c a c a t c a a g a a g t t c g a c c g c t a c a a g 3'

- K - H - P - C - H - I - K - K - F - D - R - Y - K -

- S - T - P - A - T - S - R - S - S - T - A - T - S -

- A - P - L - P - H - Q - E - V - R - P - L - Q - V -

... ----- ... exon 8.62951



* 6296580 * 6296590 * 6296600 * 6296610

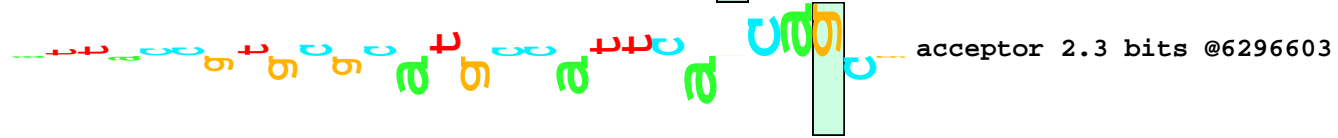
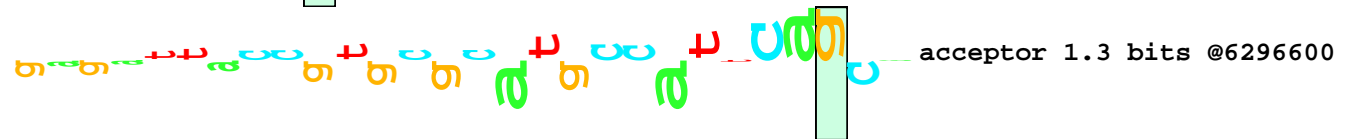
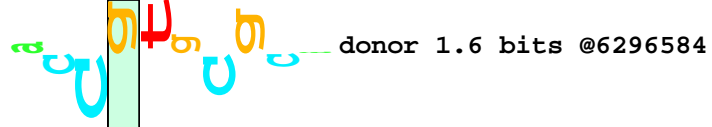
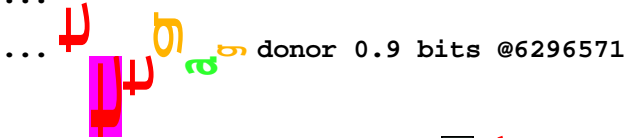
5' t t t g a g a t t a c c g t g c g c a t g c c a t t c a g c a g c g g c g c t 3'

- F - E - I - T - V - R - M - P - F - S - S - G - A -

- L - R - L - P - C - A - C - H - S - A - A - A - L -

- D - Y - R - A - H - A - I - Q - Q - R - R -

... ----- ... exon 8.62951



* 6296620 * 6296630 * 6296640

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

- D - G - S - R - S - R - E - E - D - D -

- T - A - R - A - A - A - A - R - R - T - T -

- R - L - A - Q - P - R - G - G - R -

... ----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 65, 1_65, piece 1, config: linear, direction: +, begin: 6296573, end: 6296681

* *6296580 * *6296590 * *6296600 * *6296610

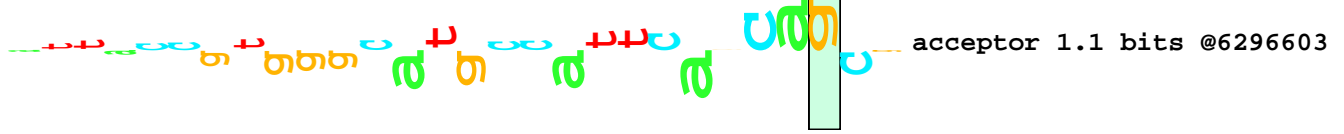
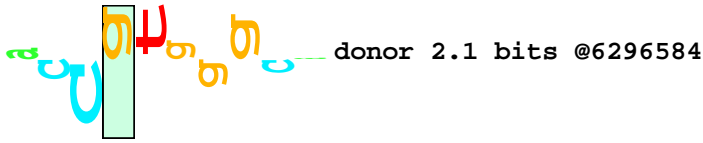
5' t t g a g a t t a c c g t g g g c a t g c c a t t c a g c a g c g g c g c t g 3'

- L - R - L - P - W - A - C - H - S - A - A - A - L -

- ● - D - Y - R - G - H - A - I - Q - Q - R - R - ● -

- E - I - T - V - G - M - P - F - S - S - G - A - D -

... ----- ... exon 8.62951



* *6296620 * *6296630 * *6296640 * *6296650

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

- T - A - R - A - A - A - R - R - T - T - S - P - R -

- R - L - A - Q - P - R - G - G - R - R - H - Q - G -

- G - S - R - S - R - E - E - D - D - V - T - K - D -

... ----- ... exon 8.62951

* *6296660 * *6296670 * *6296680

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

- T - S - C - C - G - P - A - A - S - S -

- H - R - A - A - G - Q - Q - R - V - Q -

- I - V - L - R - A - S - S - E - F -

... ----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 66, 1_66, c.2378G>C g6296627c, config: linear, direction: +, begin: 6296573, end: 6296681

* 6296580 * 6296590 * 6296600 * 6296610

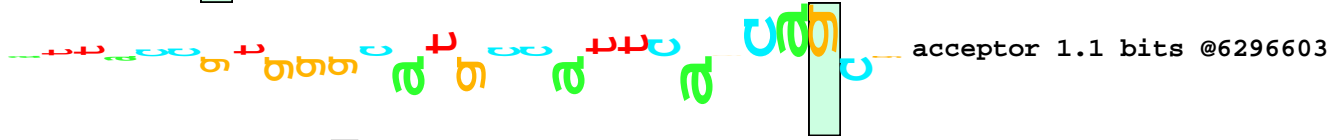
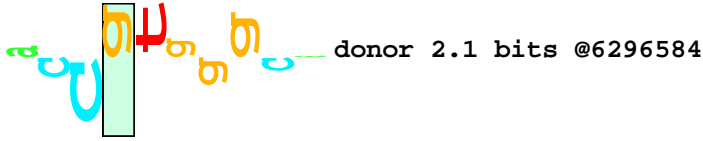
5' t t g a g a t t a c c g t g g g c a t g c c a t t c a g c a g c g g c g c t g 3'

- L - R - L - P - W - A - C - H - S - A - A - A - L -

- ● - D - Y - R - G - H - A - I - Q - Q - R - R - ● -

- E - I - T - V - G - M - P - F - S - S - G - A - D -

... ----- ... exon 8.62951



* 6296620 * 6296630 * 6296640 * 6296650

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

- T - A - R - A - A - P - R - R - T - T - S - P - R -

- R - L - A - Q - P - R - G - G - R - R - H - Q - G -

- G - S - R - S - P - E - E - D - D - V - T - K - D -

... ----- ... exon 8.62951

* 6296660 * 6296670 * 6296680

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

- T - S - C - C - G - P - A - A - S - S -

- H - R - A - A - G - Q - Q - R - V - Q -

- I - V - L - R - A - S - S - E - F -

... ----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 67, 1_67, piece 1, config: linear, direction: +, begin: 6296647, end: 6296755

*6296650 * *6296660 * *6296670 * *6296680 *
 5' a a g g a c a t c g t g c t g c g g g c c a g c a g c g a g t t c a a g a g c 3'
 - K - D - I - V - L - R - A - S - S - E - F - K - S -
 - R - T - S - C - C - G - P - A - A - S - S - R - A -
 - G - H - R - A - A - G - Q - Q - R - V - Q - E - R -

... exon 8.62951

... acceptor

*6296690 * *6296700 * *6296710 * *6296720
 5' g t g c t g c t c a g c c t g c g c c a g g g c a g c c t c a t c g a g t t c 3'
 - V - L - L - S - L - R - Q - G - S - L - I - E - F -
 - C - C - S - A - C - A - R - A - A - S - S - S - S -
 - A - A - Q - P - A - P - G - Q - P - H - R - V - Q -

... exon 8.62951

... acceptor 2.4 bits @6296706

... acceptor

* *6296730 * *6296740 * *6296750 *
 5' a g c a c c a t c c t g g a g g g c c c t g g g c a g c a 3'
 - S - T - I - L - E - G - R - L - G - S -
 - A - P - S - W - R - A - A - W - A - A -
 - H - H - P - G - G - P - P - G - Q -

... exon 8.6295111-6297719

... acceptor 0.5 bits @6296739

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 68, 1_68, c.2452C>T c6296701t, config: linear, direction: +, begin: 6296647, end: 6296755

*6296650 * *6296660 * *6296670 * *6296680 *
 5' a a g g a c a t c g t g c t g c g g g c c a g c a g c g a g t t c a a g a g c 3'
 - K - D - I - V - L - R - A - S - S - E - F - K - S -
 - R - T - S - C - C - G - P - A - A - S - S - R - A -
 - G - H - R - A - A - G - Q - Q - R - V - Q - E - R -

... exon 8.62951

... acceptor

*6296690 * *6296700 * *6296710 * *6296720
 5' g t g c t g c t c a g c c t g t g c c a g g g c a g c c t c a t c g a g t t c 3'
 - V - L - L - S - L - C - Q - G - S - L - I - E - F -
 - C - C - S - A - C - A - R - A - A - S - S - S - S -
 - A - A - Q - P - V - P - G - Q - P - H - R - V - Q -

... exon 8.62951

... acceptor 2.6 bits @6296706

... acceptor

* *6296730 * *6296740 * *6296750 *
 5' a g c a c c a t c c t g g a g g g c c c t g g g c a g c a 3'
 - S - T - I - L - E - G - R - L - G - S -
 - A - P - S - W - R - A - A - W - A - A -
 - H - H - P - G - G - P - P - G - Q -

... exon 8.6295111-6297719

... acceptor 0.5 bits @6296739

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 69, 1_69, piece 1, config: linear, direction: +, begin: 6296849, end: 6296957

*6296850 * *6296860 * *6296870 * *6296880 *

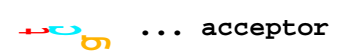
5' g g c g c a g c a c c g t g c a t g g c g c c g t g a a g t t c g c c t t c g 3'

- G - A - A - P - C - M - A - P - ● - S - S - P - S -

- A - Q - H - R - A - W - R - R - E - V - R - L - R -

- R - S - T - V - H - G - A - V - K - F - A - F - D -

... exon 8.62951



*6296890 * *6296900 * *6296910 * *6296920 *

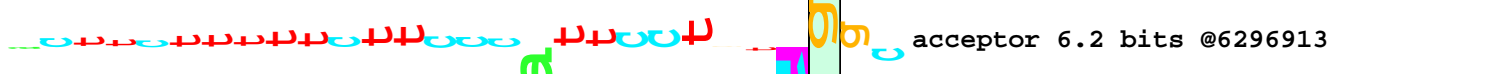
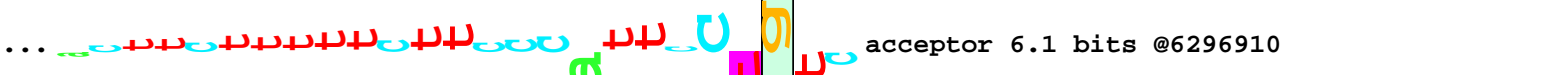
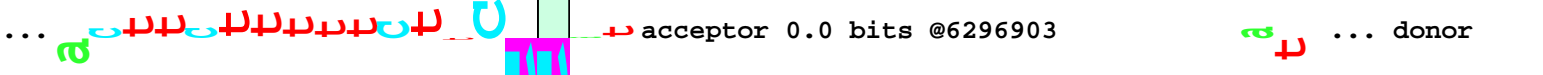
5' a c t t c t t t t t t t t t c c c a t t c c t g t c g g c g g c c t g a g g a t 3'

- T - S - F - S - S - H - S - C - R - R - P - E - D -

- L - L - F - L - P - I - P - V - G - G - L - R - M -

- F - F - F - F - P - F - L - S - A - A - ● - G - W -

... exon 8.62951



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>



*6296930 * *6296940 * *6296950 *

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

- G - P - P - R - G - A - S - S - A - C -

- V - R - H - E - E - L - P - V - H - V -

- S - A - T - R - S - F - Q - C - M -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 70, 1_70, c.2654C>T c6296903t, config: linear, direction: +, begin: 6296849, end: 6296957

*6296850 * *6296860 * *6296870 * *6296880 *

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

- G - A - A - P - C - M - A - P - ● - S - S - P - S -

- A - Q - H - R - A - W - R - R - E - V - R - L - R -

- R - S - T - V - H - G - A - V - K - F - A - F - D -

... exon 8.62951



... acceptor



... acceptor

*6296890 * *6296900 * *6296910 * *6296920 *

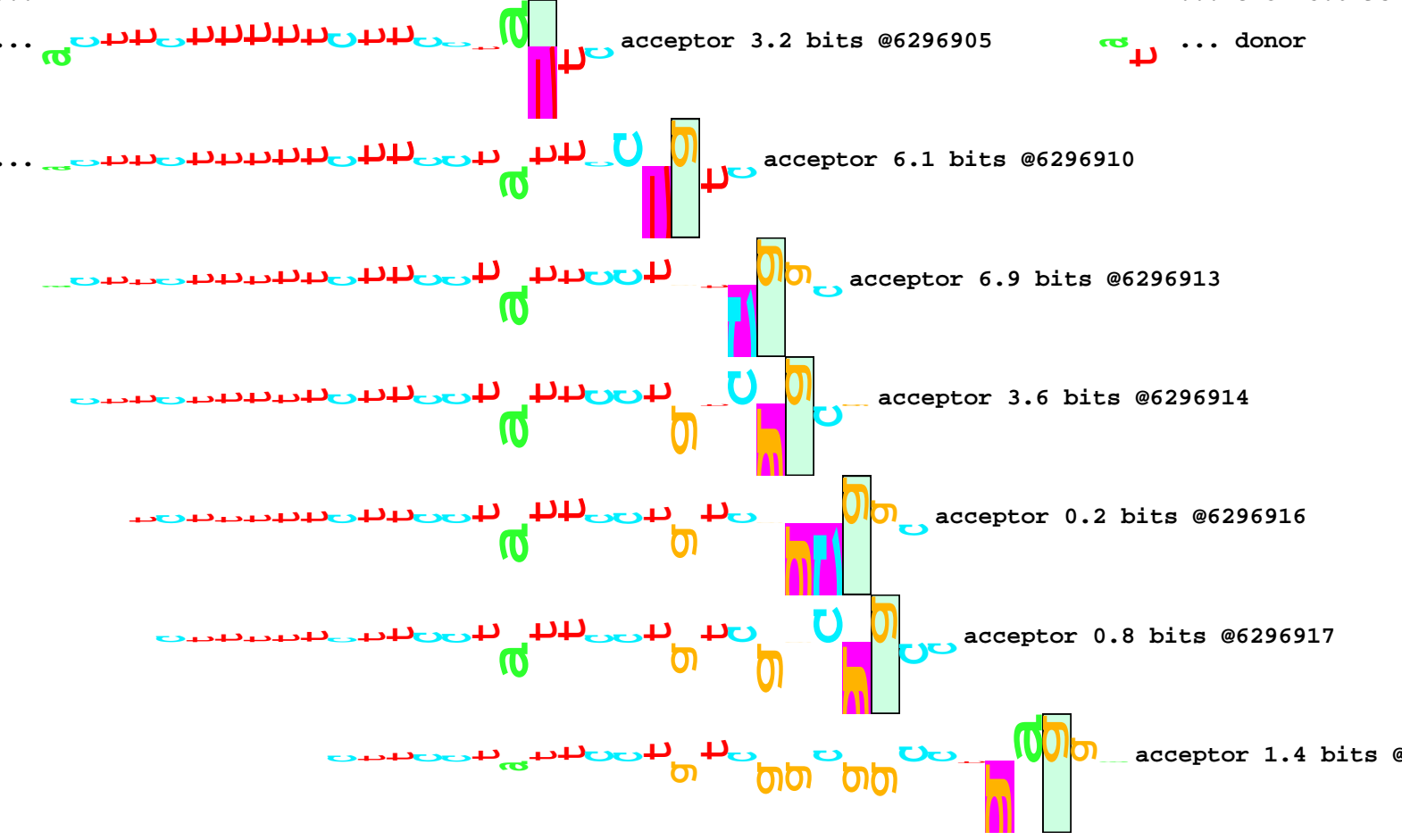
5' a c t t c t t t t t c t t c c t a t t c c t g t c g g c g g c c t g a g g a t 3'

- T - S - F - S - S - Y - S - C - R - R - P - E - D -

- L - L - F - L - P - I - P - V - G - G - L - R - M -

- F - F - F - F - L - F - L - S - A - A - ● - G - W -

... exon 8.62951



*6296930 * *6296940 * *6296950 *
5' g g t c c g c c a c g a g g a g c t t c c a g t g c a t g t t 3'
- G - P - P - R - G - A - S - S - A - C -
- V - R - H - E - E - L - P - V - H - V -
- S - A - T - R - S - F - Q - C - M -

... ----- ... exon 8.62951111-6297719

...  donor 1.0 bits @6296928

 donor 1.1 bits @6296949

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 71, 1_71, piece 1, config: linear, direction: +, begin: 6283477, end: 6283585

*6283480 * *6283490 * *6283500 * *6283510 *

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

- D - E - E - L - N - S - C - T - A - V - D - W - L -

- M - K - N - S - T - A - A - P - L - W - T - G - W -

- ● - R - T - Q - Q - L - H - R - C - G - L - A - G -

... exon 4.62834

... acceptor

... acceptor

*6283520 * *6283530 * *6283540 * *6283550

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

- V - L - A - A - K - Q - G - R - R - E - A - V - K -

- S - S - P - R - S - R - A - V - A - R - L - ● - S -

- P - R - R - E - A - G - P - S - R - G - C - E - A -

... exon 4.62834

... acceptor 0.0 bits @6283530 ... donor

... acceptor 1.8 bits @6283533

* *6283560 * *6283570 * *6283580 *

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

- L - L - R - R - C - L - A - D - R - R -

- C - F - A - G - A - W - R - T - E - E -

- A - S - P - V - L - G - G - Q - K -

... exon 4.6283441-6283585

... donor 0.9 bits @6283549

donor 3.7 bits @6283566

acceptor 1.7 bits @6283580

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 72, 1_72, c.406C>T c6283531t, config: linear, direction: +, begin: 6283477, end: 6283585

*6283480 * *6283490 * *6283500 * *6283510 *

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

- D - E - E - L - N - S - C - T - A - V - D - W - L -

- M - K - N - S - T - A - A - P - L - W - T - G - W -

- ● - R - T - Q - Q - L - H - R - C - G - L - A - G -

... ----- ... exon 4.62834

... acceptor

*6283520 * *6283530 * *6283540 * *6283550

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

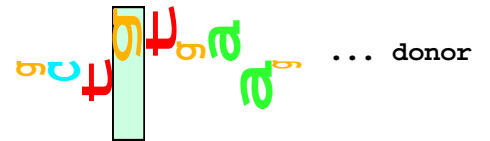
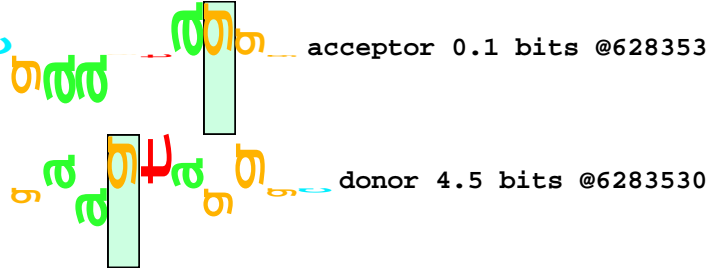
- V - L - A - A - K - ● - G - R - R - E - A - V - K -

- S - S - P - R - S - R - A - V - A - R - L - ● - S -

- P - R - R - E - V - G - P - S - R - G - C - E - A -

... ----- ... exon 4.62834

... acceptor 0.1 bits @6283533



* *6283560 * *6283570 * *6283580 *

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

- L - L - R - R - C - L - A - D - R - R -

- C - F - A - G - A - W - R - T - E - E -

- A - S - P - V - L - G - G - Q - K -

... -----> exon 4.6283441-6283585



... donor 0.9 bits @6283549

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 73, 1_73, piece 1, config: linear, direction: +, begin: 6285668, end: 6285776

*6285670 * *6285680 * *6285690 * *6285700 *

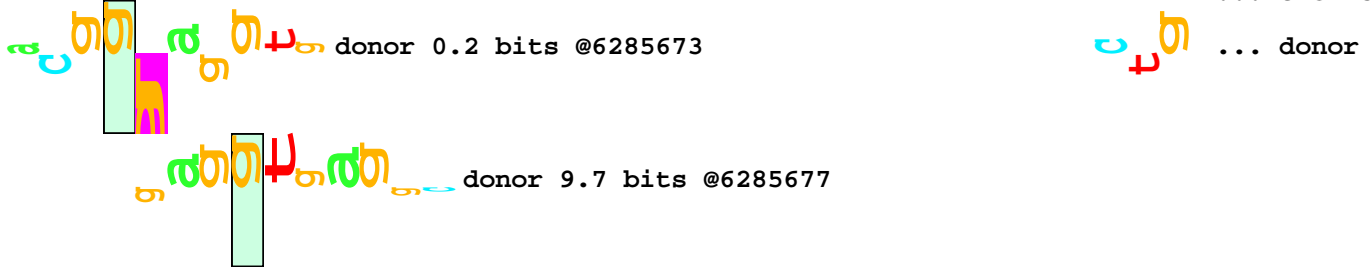
5' g a a c g g g a g g t g a g g c a g c t c t c c t c c g a g a c c g a c c t g 3'

- E - R - E - V - R - Q - L - S - S - E - T - D - L -

- N - G - R - ● - G - S - S - P - P - R - P - T - W -

- T - G - G - E - A - A - L - L - R - D - R - P - G -

... ----- ... exon 5.62856



*6285710 * *6285720 * *6285730 * *6285740 *

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

- E - R - A - V - R - K - A - A - L - V - M - Y - W -

- R - G - P - C - A - R - Q - P - W - S - C - T - G -

- E - G - R - A - Q - G - S - P - G - H - V - L - E -

... ----- ... exon 5.62856



*6285750 * *6285760 * *6285770 *

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

- K - L - N - P - K - K - K - K - Q - V -

- S - S - T - P - R - R - R - S - R - W -

- A - Q - P - Q - E - E - E - A - G -

... ----- ... exon 5.6285651-6285821

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

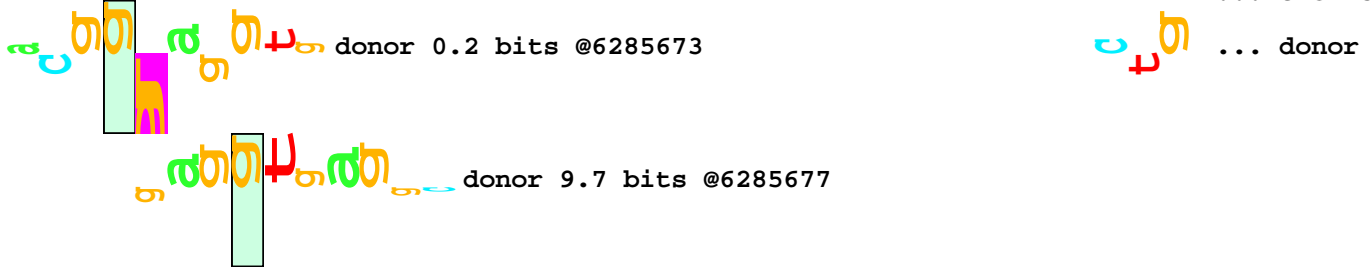
piece 74, 1_74, c.532_537del6 d6285722,6285727, config: linear, direction: +, begin: 6285668, end:

```

*6285670 *           *6285680 *           *6285690 *           *6285700 *
5' g a a c g g g a g g t g a g g c a g c t c t c c t c c g a g a c c g a c c t g 3'
- E - R - E - V - R - Q - L - S - S - E - T - D - L -
- N - G - R - ● - G - S - S - P - P - R - P - T - W -
- T - G - G - E - A - A - L - L - R - D - R - P - G -

```

... ----- ... exon 5.62856



```

*6285710 *           *6285720 *           *6285730 *           *6285740 *
5' g a g a g g g c c g t g c g c c c t g g t c a t g t a c t g g a a g c t c 3'
- E - R - A - V - R - A - L - V - M - Y - W - K - L -
- R - G - P - C - A - P - W - S - C - T - G - S - S -
- E - G - R - A - R - P - G - H - V - L - E - A - Q -

```

... ----- ... exon 5.62856



```

*6285750 *           *6285760 *           *6285770
5' a a c c c c a a g a a g a a g a a g c a g g t g g 3'
- N - P - K - K - K - K - Q - V -
- T - P - R - R - R - S - R - W -
- P - Q - E - E - E - A - G -

```

... ----- ... exon 5.6285651-6285821

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 75, 1_75, piece 1, config: linear, direction: +, begin: 6285735, end: 6285843

* *6285740 * *6285750 * *6285760 * *6285770

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

- S - C - T - G - S - S - T - P - R - R - R - S - R -

- H - V - L - E - A - Q - P - Q - E - E - E - A - G -

- M - Y - W - K - L - N - P - K - K - K - K - Q - V -

... exon 5.62856

... donor



* *6285780 * *6285790 * *6285800 * *6285810

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

- W - P - W - R - S - C - W - R - M - S - A - R - S -

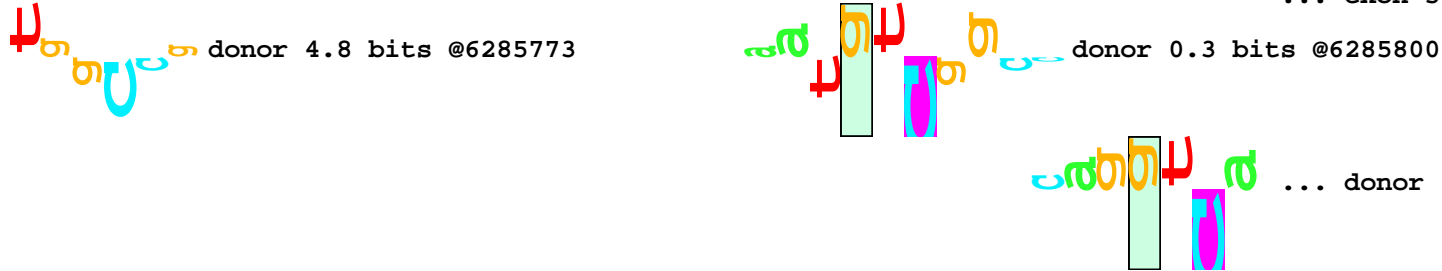
- G - R - G - G - A - A - G - E - C - R - P - G - Q -

- A - V - A - E - L - L - E - N - V - G - Q - V - N -

... exon 5.62856

... donor 4.8 bits @6285773

... donor 0.3 bits @6285800



... donor

* *6285820 * *6285830 * *6285840

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

- T - S - T - V - R - G - F - T - L - G -

- R - A - R - C - E - D - S - P - W - A -

- E - H - G - A - R - I - H - P - G -

... -----> exon 5.6285651-6285821



... donor 3.4 bits @6285809



piece 76, 1_76, c.599delT d6285789,6285789, config: linear, direction: +, begin: 6285735, end: 6285789

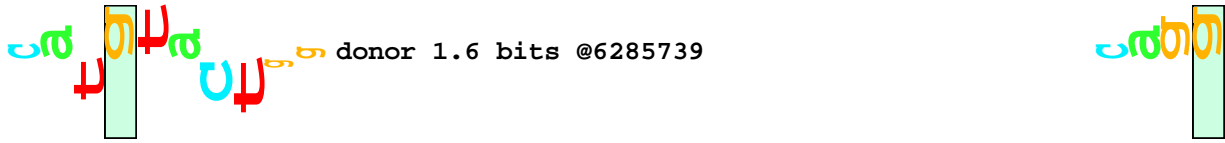
```

*           *6285740 *           *6285750 *           *6285760 *           *6285770
5' t c a t g t a c t g g a a g c t c a a c c c c a a g a a g a a g a a g c a g g 3'
- S - C - T - G - S - S - T - P - R - R - R - S - R -
- H - V - L - E - A - Q - P - Q - E - E - E - A - G -
- M - Y - W - K - L - N - P - K - K - K - K - Q - V -

```

... exon 5.62856

... donor



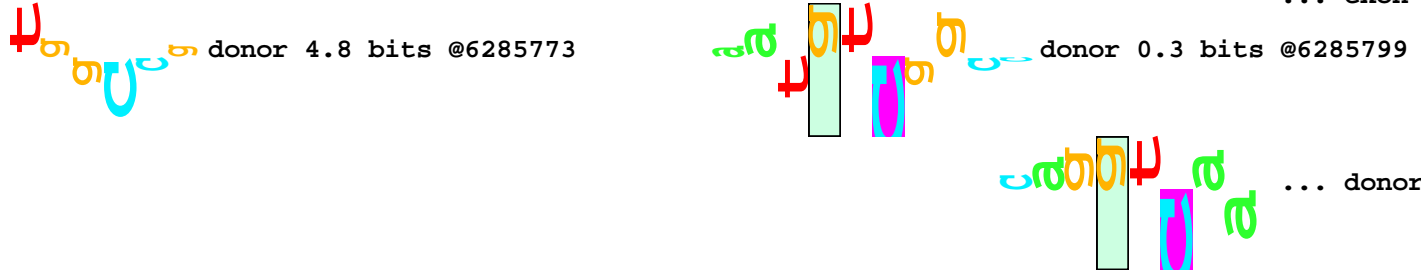
```

*           *6285780 *           *6285790 *           *6285800 *           *6285810
5' t g g c c g t g g c g g a g c g c t g g a g a a t g t c g g c c a g g t c a a 3'
- W - P - W - R - S - A - G - E - C - R - P - G - Q -
- G - R - G - G - A - L - E - N - V - G - Q - V - N -
- A - V - A - E - R - W - R - M - S - A - R - S - T -

```

... exon 5.62856

... donor 0.3 bits @6285799



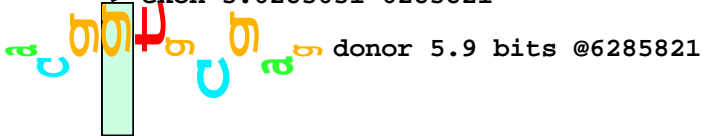
```

*           *6285820 *           *6285830 *           *6285840
5' c g a g c a c g g t g c g a g g a t t c a c c c t g g g c a 3'
- R - A - R - C - E - D - S - P - W - A -
- E - H - G - A - R - I - H - P - G -
- S - T - V - R - G - F - T - L - G -

```

... exon 5.6285651-6285821

... donor



... donor 3.4 bits @6285808

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 77, 1_77, piece 1, config: linear, direction: +, begin: 6286355, end: 6286463

* *6286360 * *6286370 * *6286380 * *6286390

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

- T - L - S - P - A - D - G - G - A - Q - P - G - P -

- P - C - P - L - Q - M - E - G - R - S - Q - A - P -

- P - V - P - C - R - W - R - G - A - A - R - P - R -

[-----] ... exon 6.62863

... acceptor

* *6286400 * *6286410 * *6286420 * *6286430

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

- V - P - K - S - L - Q - K - Q - R - R - M - L - E -

- C - P - S - P - C - R - S - R - G - A - C - W - S -

- A - Q - V - P - A - E - A - E - A - H - A - G - A -

... -----] ... exon 6.62863

... acceptor 4.9 bits @6286411

* *6286440 * *6286450 * *6286460

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

- R - L - V - S - S - E - C - E - C - S -

- A - W - S - A - A - S - V - S - A - A -

- P - G - Q - Q - R - V - V - Q -

... -----> exon 6.6286371-6286451

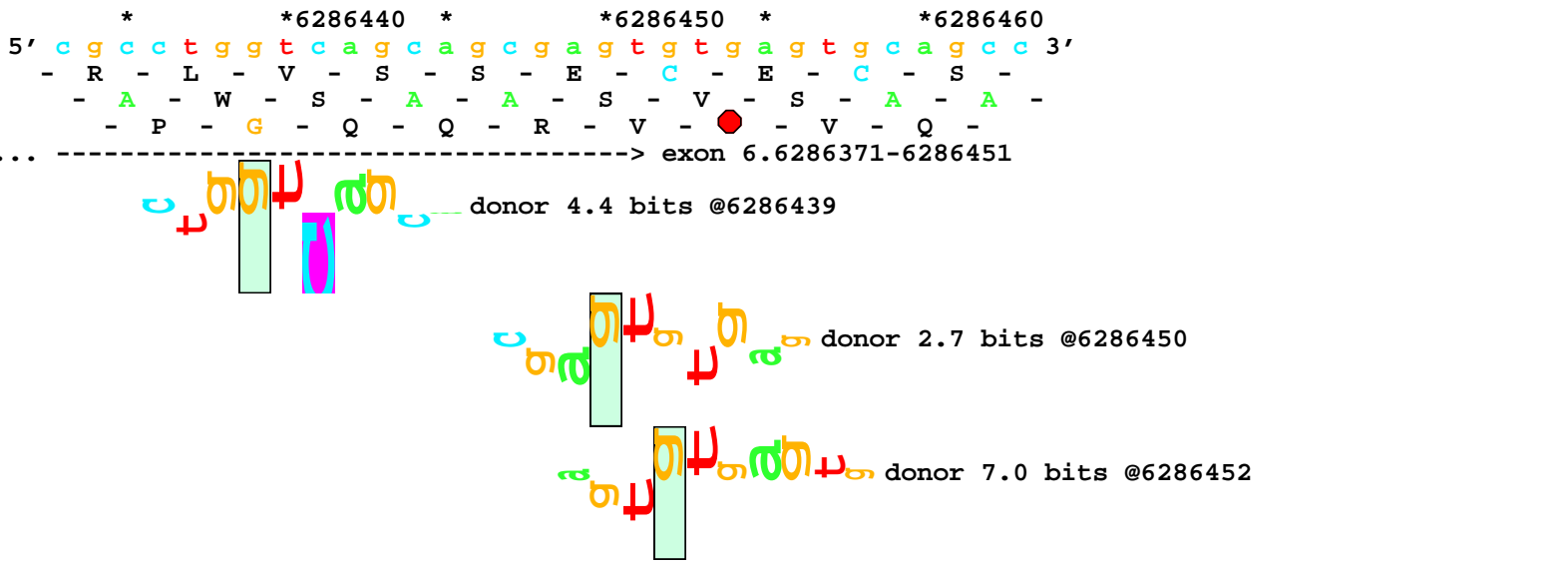
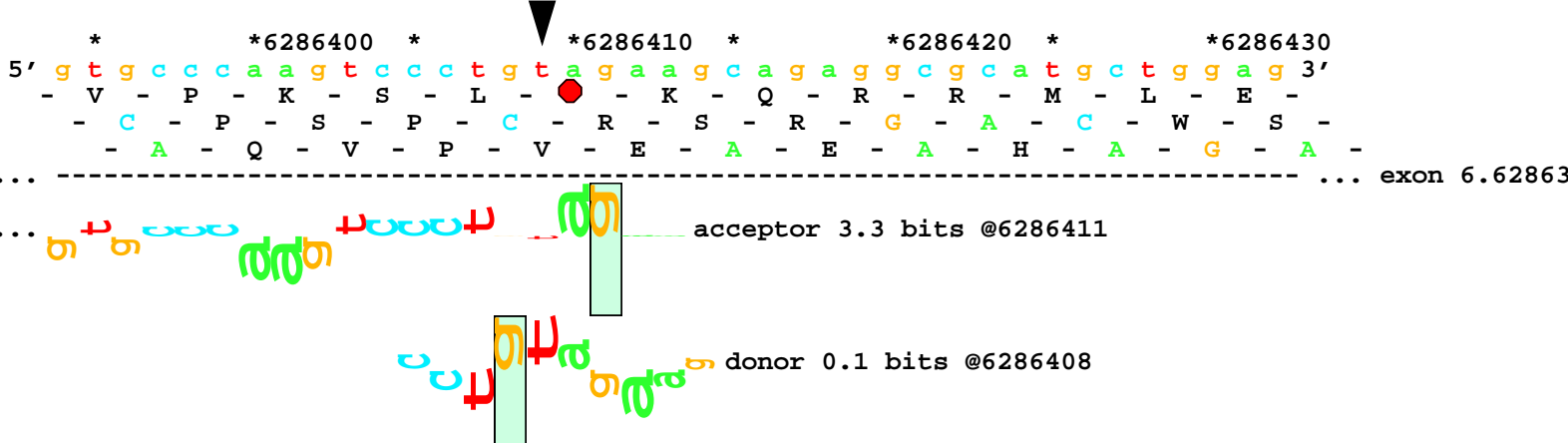
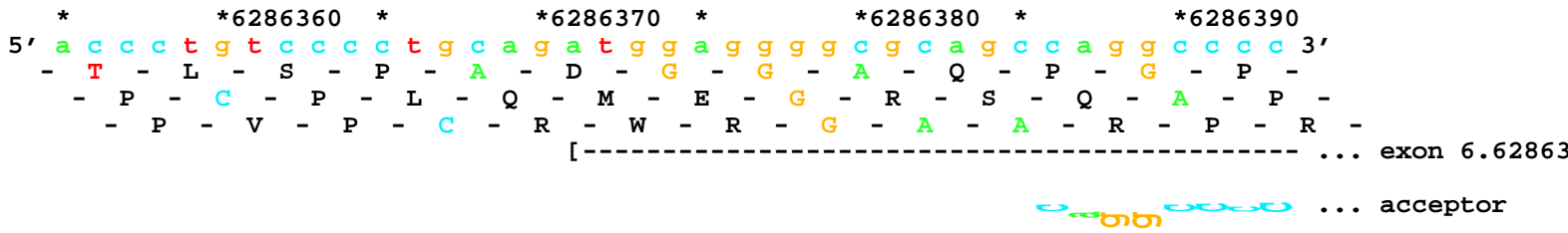
donor 4.4 bits @6286439

donor 2.7 bits @6286450

donor 7.0 bits @6286452

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 78, 1_78, c.670C>T c6286409t, config: linear, direction: +, begin: 6286355, end: 6286463



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 79, 1_79, piece 1, config: linear, direction: +, begin: 6286361, end: 6286469

* 6286370 * 6286380 * 6286390 *

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

- S - P - A - D - G - G - A - Q - P - G - P - V - P -

- P - L - Q - M - E - G - R - S - Q - A - P - C - P -

- P - C - R - W - R - G - A - A - R - P - R - A - Q -

[-----] ... exon 6.62863



* 6286400 * 6286410 * 6286420 * 6286430 *

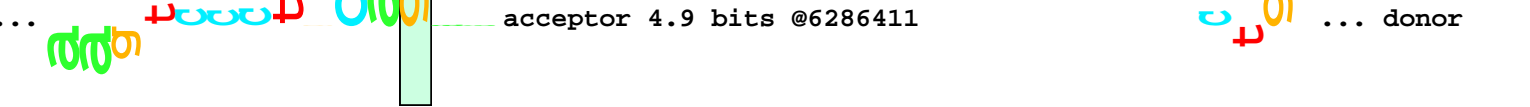
5' a a g t c c c t g c a g a a g c a g a g g c g c a t g c t g g a g c g c c t g 3'

- K - S - L - Q - K - Q - R - R - M - L - E - R - L -

- S - P - C - R - S - R - G - A - C - W - S - A - W -

- V - P - A - E - A - E - A - H - A - G - A - P - G -

... exon 6.62863



* 6286440 * 6286450 * 6286460 *

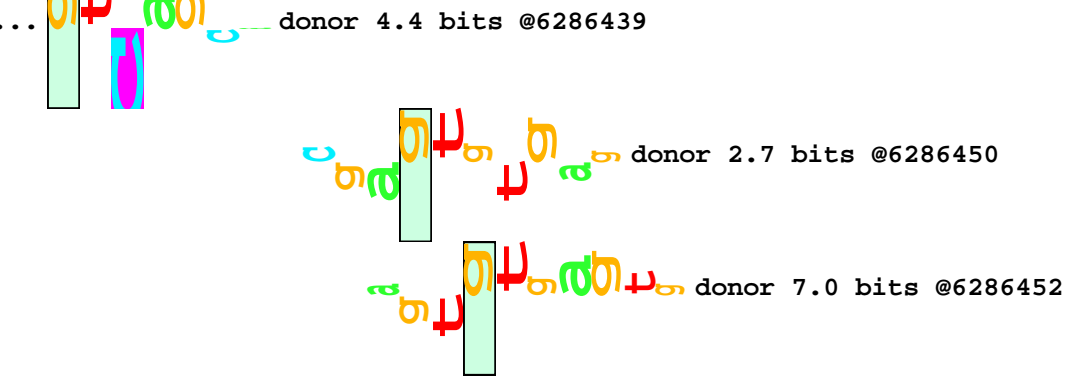
5' g t c a g c a g c g a g t g t g a g t g c a g c c c c t g c c 3'

- V - S - S - E - C - E - C - S - P - C -

- S - A - A - S - V - S - A - A - P - A -

- Q - Q - R - V - V - Q - P - L -

... exon 6.6286371-6286451



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 80, 1_80, c.676C>T c6286415t, config: linear, direction: +, begin: 6286361, end: 6286469

* 6286370 * * 6286380 * * 6286390 *

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

- S - P - A - D - G - G - A - Q - P - G - P - V - P -

- P - L - Q - M - E - G - R - S - Q - A - P - C - P -

- P - C - R - W - R - G - A - A - R - P - R - A - Q -

[-----] ... exon 6.62863



* 6286400 * * 6286410 * * 6286420 * * 6286430 *

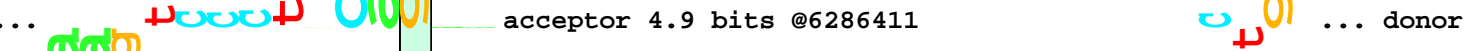
5' a a g t c c c t g c a g a a g t a g a g g c g c a t g c t g g a g c g c c t g 3'

- K - S - L - Q - K - R - R - M - L - E - R - L -

- S - P - C - R - S - R - G - A - C - W - S - A - W -

- V - P - A - E - V - E - A - H - A - G - A - P - G -

... exon 6.62863



* 6286440 * * 6286450 * * 6286460 *

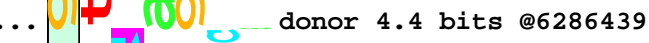
5' g t c a g c a g c g a g t g t g a g t g c a g c c c c t g c c 3'

- V - S - S - E - C - E - C - S - P - C -

- S - A - A - S - V - S - A - A - P - A -

- Q - Q - R - V - V - Q - P - L -

-----> exon 6.6286371-6286451



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 81, 1_81, piece 1, config: linear, direction: +, begin: 6289545, end: 6289653

* 6289550 * 6289560 * 6289570 * 6289580

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

- A - K - G - V - I - P - S - S - L - F - L - Q - D -

- P - R - A - S - S - P - A - A - C - S - C - R - T -

- Q - G - R - H - P - Q - Q - P - V - P - A - G - R -

... exon 7.62894



* 6289590 * 6289600 * 6289610 * 6289620

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

- D - E - D - D - D - E - L - A - G - K - S - P - E -

- T - K - M - M - T - S - W - R - G - R - A - L - R -

- R - R - ● - ● - R - A - G - G - E - E - P - ● - G -

... exon 7.62894



... acceptor

* 6289630 * 6289640 * 6289650

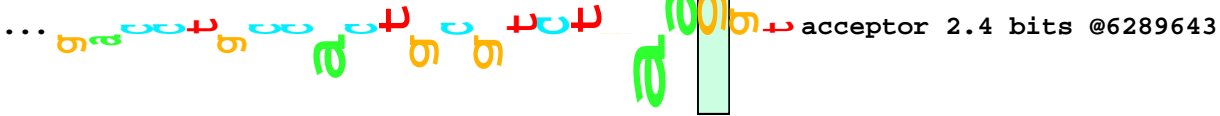
5' g a c c t g c c a c t g c g t c t g a a g g t g a g t g a c c 3'

- D - L - P - L - R - L - K - V - S - D -

- T - C - H - C - V - ● - R - ● - V - T -

- P - A - T - A - S - E - G - E - ● -

... > exon 7.6289495-6289643



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 82, 1_82, c.817G>T g6289599t, config: linear, direction: +, begin: 6289545, end: 6289653

* 6289550 * 6289560 * 6289570 * 6289580

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

- A - K - G - V - I - P - S - S - L - F - L - Q - D -

- P - R - A - S - S - P - A - A - C - S - C - R - T -

- Q - G - R - H - P - Q - Q - P - V - P - A - G - R -

... exon 7.62894



* 6289590 * 6289600 * 6289610 * 6289620

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

- D - E - D - D - D - L - A - G - K - S - P - E -

- T - K - M - M - T - S - W - R - G - R - A - L - R -

- R - R - L - A - G - G - E - E - P - G -

... exon 7.62894



... acceptor

* 6289630 * 6289640 * 6289650

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

- D - L - P - L - R - L - K - V - S - D -

- T - C - H - C - V - R - V - T -

- P - A - T - A - S - E - G - E -

> exon 7.6289495-6289643

donor 12.6 bits @6289644



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 83, 1_83, piece 1, config: linear, direction: +, begin: 6295101, end: 6295209

* 6295110 * 6295120 * 6295130 *

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

- F - P - P - G - G - Q - V - P - P - A - R - H - H -

- F - P - Q - V - V - K - Y - P - L - H - A - I - M -

- S - P - R - W - S - S - T - P - C - T - P - S - W -

----- ... exon 8.62951



* 6295140 * 6295150 * 6295160 * 6295170 *

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

- G - D - Q - G - V - P - D - H - G - L - Q - G -

- E - I - K - E - Y - L - I - D - M - A - S - R - A -

- R - S - R - S - T - L - T - W - P - P - G - Q -

----- ... exon 8.62951

... donor



* 6295180 * 6295190 * 6295200 *

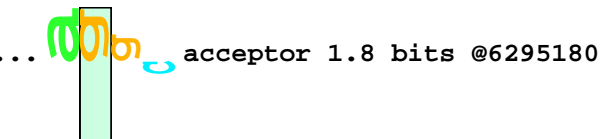
5' a g g c a t g c a c t g g c t g t c c a c c a t c a t c c c c 3'

- R - H - A - L - A - V - H - H - H - P -

- G - M - H - W - L - S - T - I - I - P -

- A - C - T - G - C - P - P - S - S -

----- ... exon 8.6295111-6297719



piece 84, 1_84, c.906C>A c6295155a, config: linear, direction: +, begin: 6295101, end: 6295209

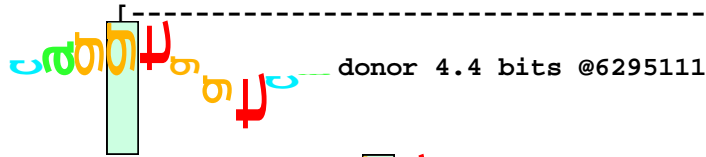
* 6295110 * 6295120 * 6295130 *

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

- F - P - P - G - G - Q - V - P - P - A - R - H - H -

- F - P - Q - V - V - K - Y - P - L - H - A - I - M -

- S - P - R - W - S - S - T - P - C - T - P - S - W -



* 6295140 * 6295150 * 6295160 * 6295170 *

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

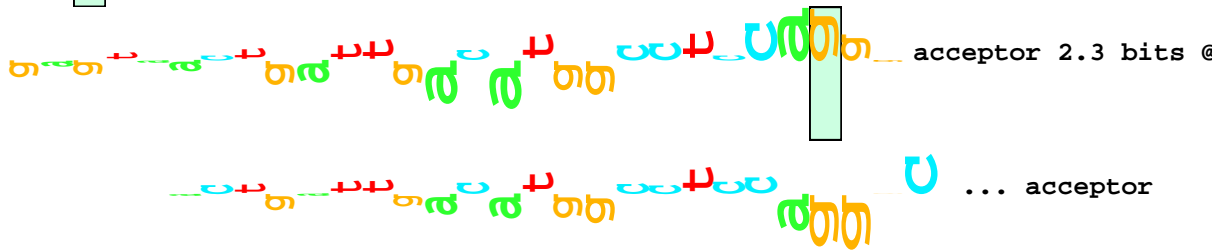
- G - D - Q - G - V - T - D - H - G - L - Q - G -

- E - I - K - E - L - I - D - M - A - S - R - A -

- R - S - R - S - N - L - T - W - P - P - G - Q -



... donor



... acceptor

* 6295180 * 6295190 * 6295200 *

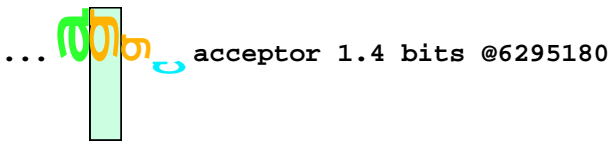
5' a g g c a t g c a c t g g c t g t c c a c c a t c a t c c c c 3'

- R - H - A - L - A - V - H - H - H - P -

- G - M - H - W - L - S - T - I - I - P -

- A - C - T - G - C - P - P - S - S -

... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 85, 1_85, piece 1, config: linear, direction: +, begin: 6295233, end: 6295341

* *6295240 * *6295250 * *6295260 * *6295270

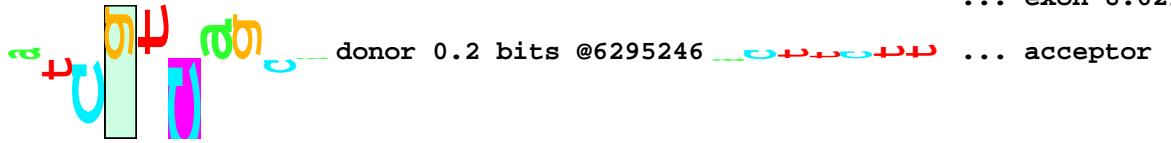
5' c t t c t t c t t c a t c g t c a g c a a c c t c a c c a t c g a c t t c t t 3'

- L - L - L - H - R - Q - Q - P - H - H - R - L - L -

- F - F - F - I - V - S - N - L - T - I - D - F - F -

- S - S - S - S - S - A - T - S - P - S - T - S - S -

... ----- ... exon 8.62951



* *6295280 * *6295290 * *6295300 * *6295310

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

- R - L - L - H - P - A - G - H - L - L - P - V - L -

- A - F - F - I - P - L - V - I - F - Y - L - S - F -

- P - S - S - S - R - W - S - S - S - T - C - P - S -

... ----- ... exon 8.62951



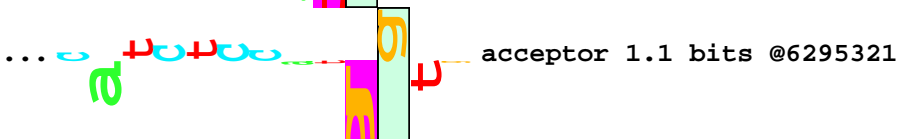
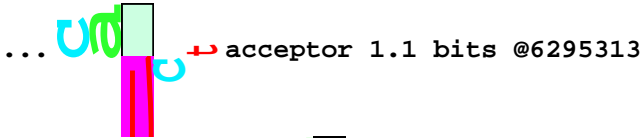
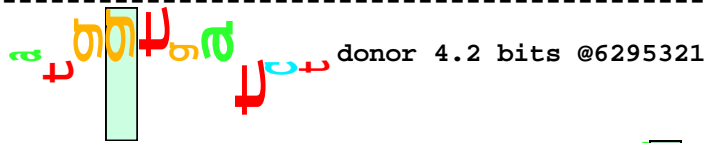
Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

... acceptor

... acceptor

* *6295320 * *6295330 * *6295340
 5' c a t c t c c a t g g t g a t c t g c a c c c t c a a g g t g 3'
 - H - L - H - G - D - L - H - P - Q - G -
 - I - S - M - V - I - C - T - L - K - V -
 - S - P - W - ● - S - A - P - S - R -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 86, 1_86, c.1038_1039insC i6295287,6295288c, config: linear, direction: +, begin: 6295233, e

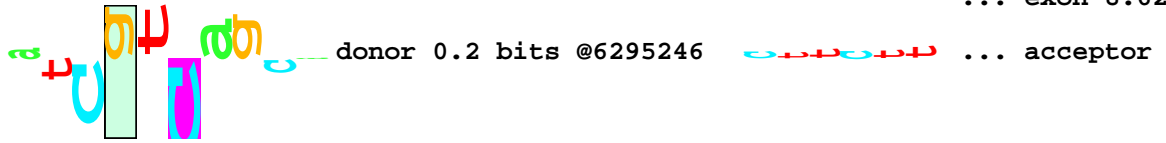
* *6295240 * *6295250 * *6295260 * *6295270

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

- L - L - L - H - R - Q - Q - P - H - H - R - L - L -

- F - F - F - I - V - S - N - L - T - I - D - F - F -

- S - S - S - S - S - A - T - S - P - S - T - S - S -



* *6295280 * *6295290 * *6295300 * *6295310

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

- R - L - L - H - P - A - W - S - S - S - T - C - P -

- A - F - F - I - P - P - G - H - L - L - P - V - L -

- P - S - S - S - R - L - V - I - F - Y - L - S - F -

... exon 8.62951



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

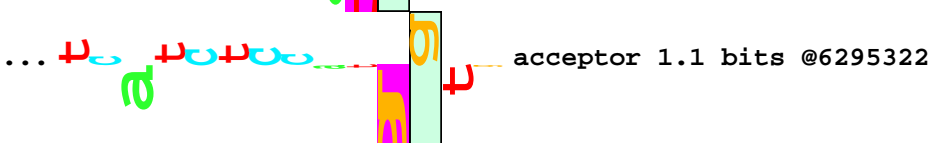
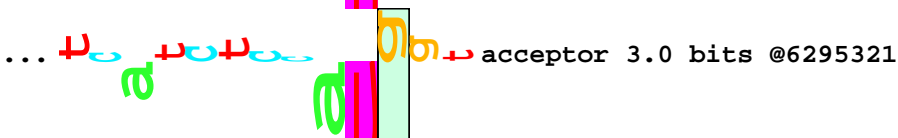
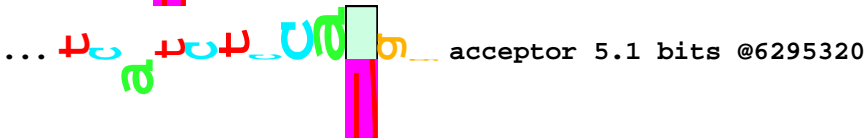
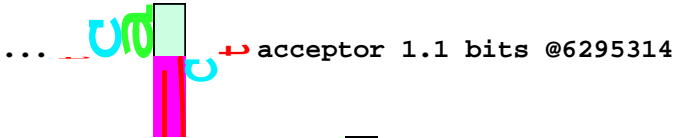
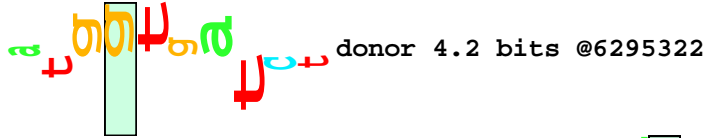
Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

... acceptor

... acceptor

* *6295320 * *6295330 * *6295340
 5' t c a t c t c c a t g g t g a t c t g c a c c c t c a a g g t g 3'
 - S - S - P - W - ● - S - A - P - S - R -
 - H - L - H - G - D - L - H - P - Q - G -
 - I - S - M - V - I - C - T - L - K - V -

... ----- ... exon 8.6295111-6297719



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 87, 1_87, piece 1, config: linear, direction: +, begin: 6295291, end: 6295399

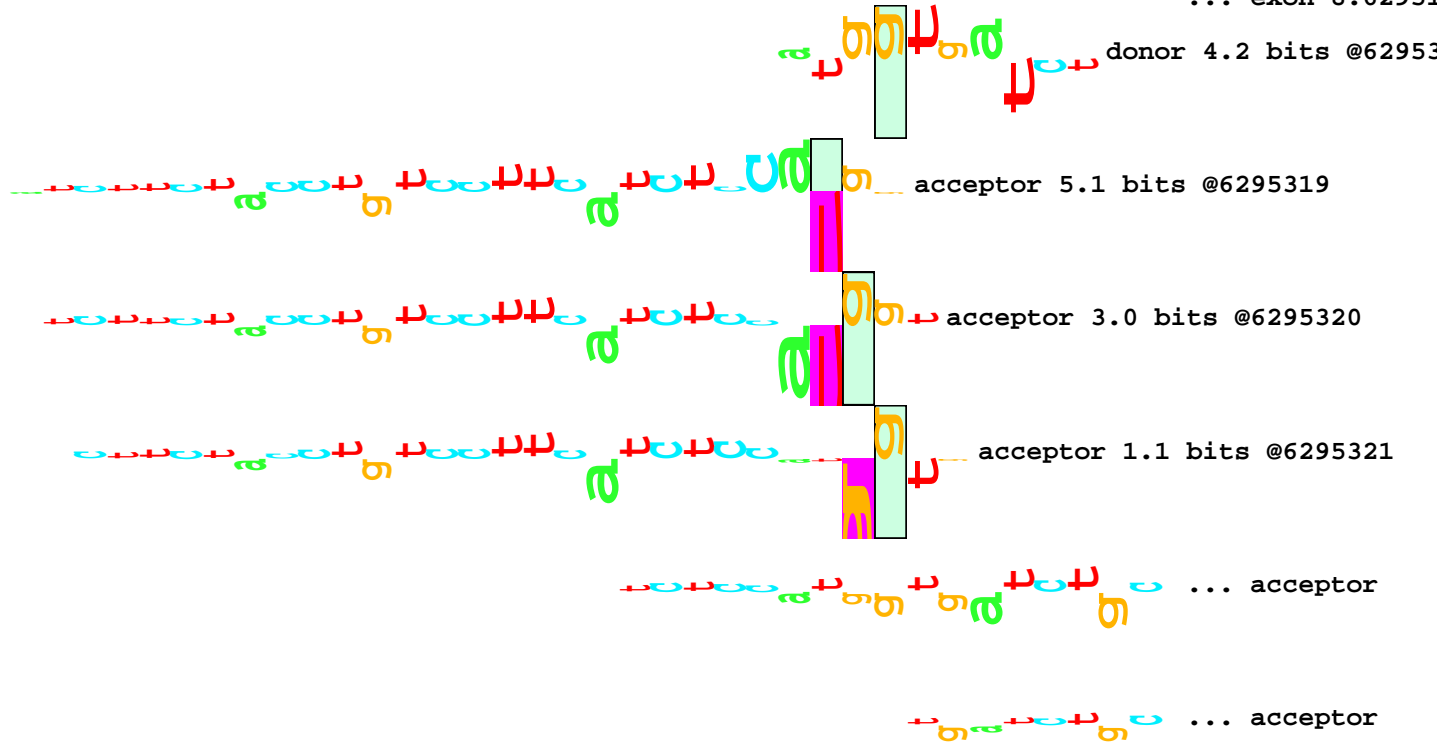
* 6295300 * 6295310 * 6295320 *

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

- V - I - F - Y - L - S - F - I - S - M - V - I - C -

- S - S - S - T - C - P - S - S - P - W - ● - S - A -

- H - L - L - P - V - L - H - L - H - G - D - L - H -



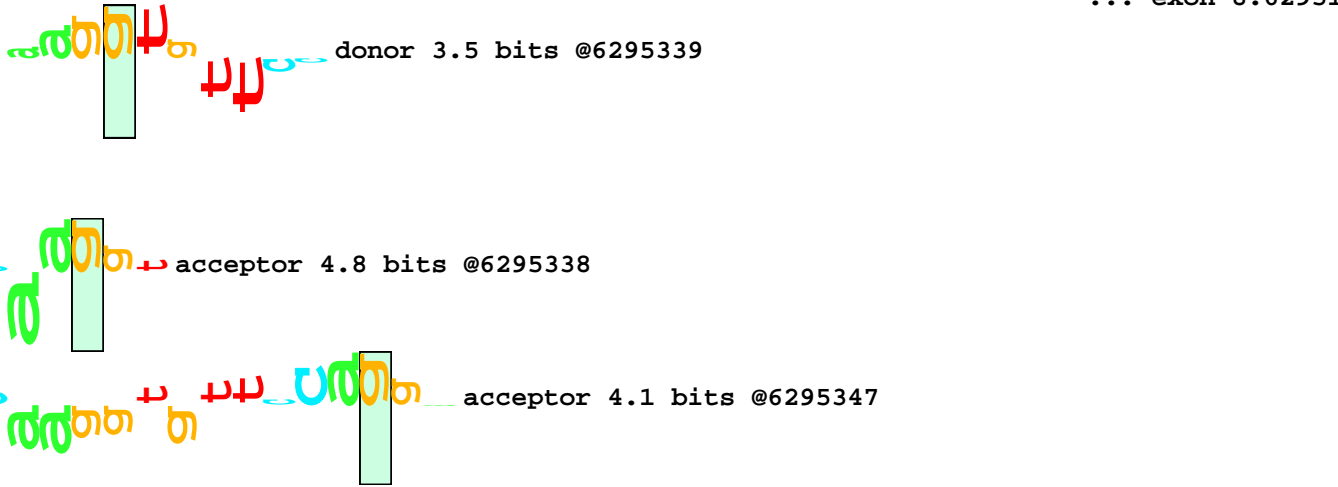
* 6295330 * 6295340 * 6295350 * 6295360 *

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

- T - L - K - V - F - Q - D - S - K - A - W - E - N -

- P - S - R - C - S - R - T - A - R - P - G - R - T -

- P - Q - G - V - P - G - Q - Q - G - L - G - E - L -



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

*6295370 * *6295380 * *6295390 *
5' t t c c g c a c c c t c a c c c g a c c t g c t g c t g c g c t 3'
- F - R - T - L - T - D - L - L - L - R -
- S - A - P - S - P - T - C - C - C - A -
- P - H - P - H - R - P - A - A - A -
... ----- ... exon 8.6295111-6297719

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 88, 1_88, c.1096C>T c6295345t, config: linear, direction: +, begin: 6295291, end: 6295399

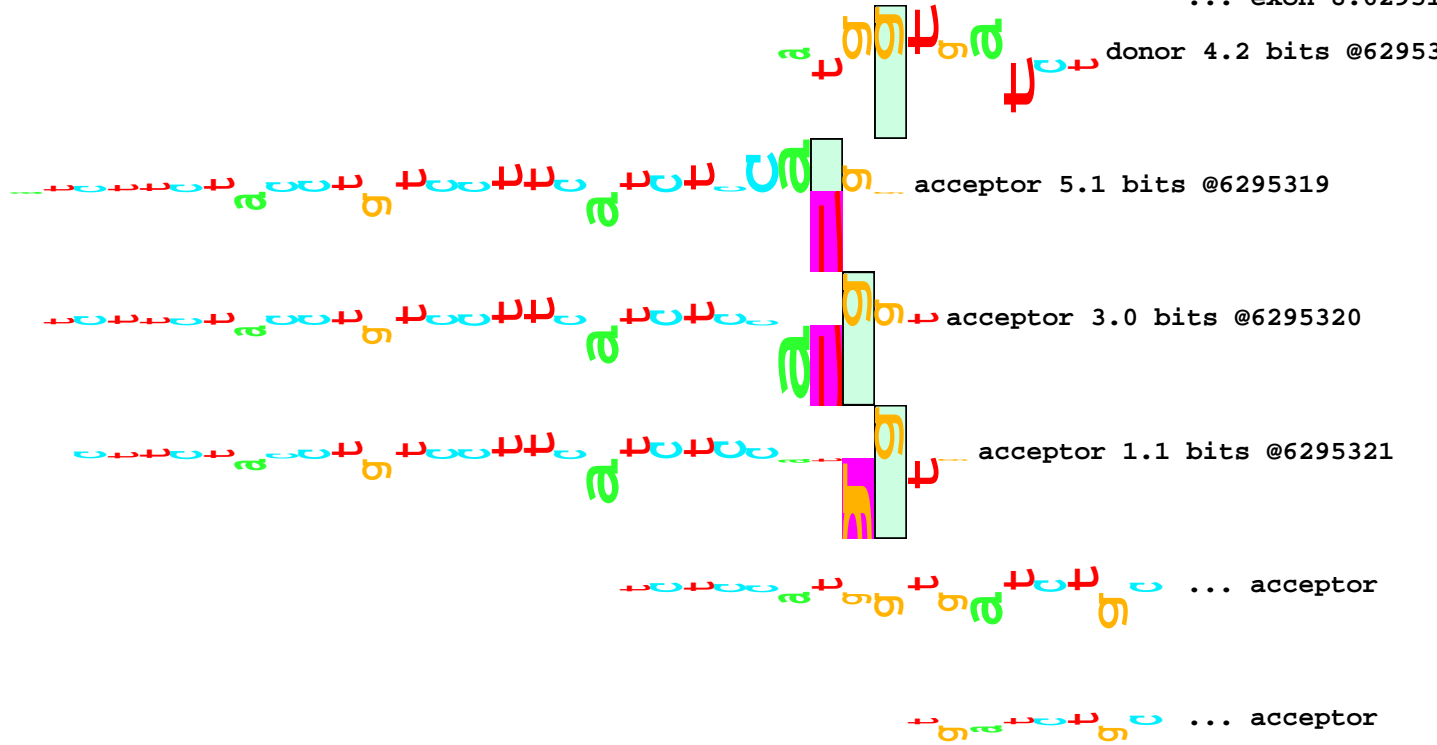
* 6295300 * 6295310 * 6295320 *

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

- V - I - F - Y - L - S - F - I - S - M - V - I - C -

- S - S - S - T - C - P - S - S - P - W - ● - S - A -

- H - L - L - P - V - L - H - L - H - G - D - L - H -



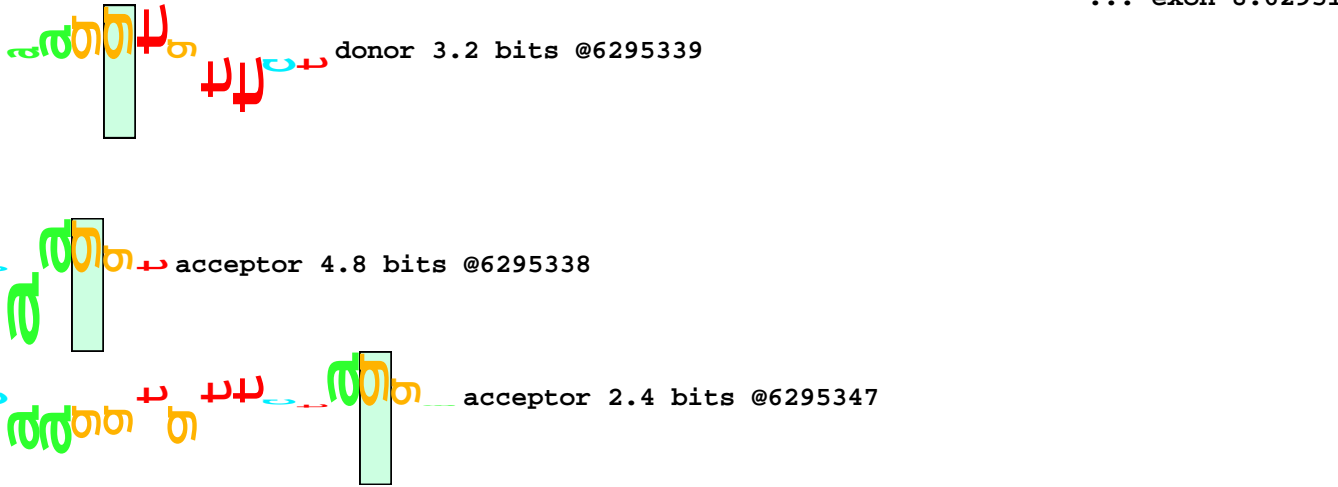
* 6295330 * 6295340 * 6295350 * 6295360 *

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

- T - L - K - V - F - ● - D - S - K - A - W - E - N -

- P - S - R - C - S - R - T - A - R - P - G - R - T -

- P - Q - G - V - L - G - Q - Q - G - L - G - E - L -



Authors: Vijay Nalla, Peter Rogan, CMH, UMKC
 References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998
 URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>
 Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

```
      *6295370 *           *6295380 *           *6295390 *
5' t t c c g c a c c c t c a c c c g a c c t g c t g c t g c g c t 3'
  - F - R - T - L - T - D - L - L - L - R -
  - S - A - P - S - P - T - C - C - C - A -
  - P - H - P - H - R - P - A - A - A -
... ----- ... exon 8.6295111-6297719
```

Authors: Vijay Nalla, Peter Rogan, CMH, UMKC

References: Hum Mutation 6:74-76, 1995, Hum Mutat. 12(3): 153-171, 1998

URL: <http://www.sce.umkc.edu/~roganp/Information/viewarticles.html>

Molecular Information theory: <http://www.lecb.ncifcrf.gov/~toms/>

piece 89, 1_89, piece 1, config: linear, direction: +, begin: 6295307, end: 6295415

*6295310 * *6295320 * *6295330 * *6295340 *

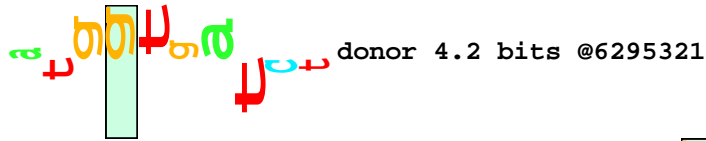
5' c c t t c a t c t c c a t g g t g a t c t g c a c c c c t c a a g g t g t t c c 3'

- P - S - S - P - W - S - A - P - S - R - C - S -

- L - H - L - H - G - D - L - H - P - Q - G - V - P -

- F - I - S - M - V - I - C - T - L - K - V - F - Q -

... exon 8.62951



*6295350 * *6295360 * *6295370 * *6295380 *

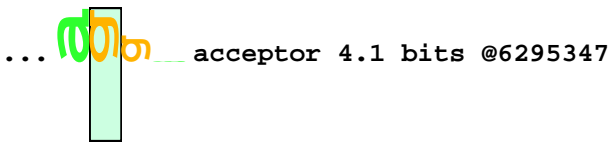
5' a g g a c a g c a a g g c c t g g g a g a a c t t c c g c a c c c t c a c c g 3'

- R - T - A - R - P - G - R - T - S - A - P - S - P -

- G - Q - Q - G - L - G - E - L - P - H - P - H - R -

- D - S - K - A - W - E - N - F - R - T - L - T - D -

... exon 8.62951



*6295390 * *6295400 * *6295410 *

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

- T - C - C - C - A - S - S - P - T - W -

- P - A - A - A - L - R - A - Q - P - G -

- L - L - L - R - F - E - P - N - L -

... exon 8.6295111-6297719

