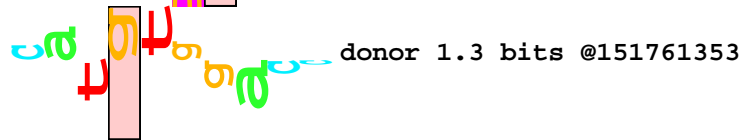
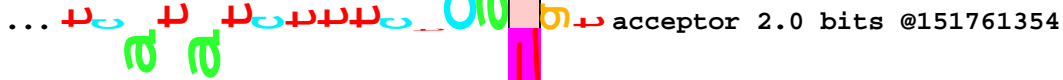


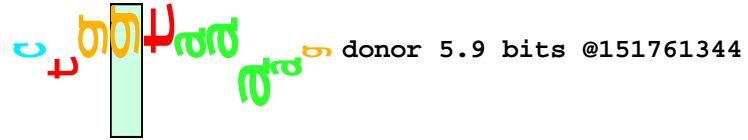
piece 1, pl, piece 1

* *151761400* *151761390* *151761380* *151761370
 5' a a t g g t c c a a t g g c c t c t g a c c c a c t g t g c c t t a c c t a c 3'
 - N - G - P - M - A - S - D - P - L - C - L - T - Y -
 - M - V - Q - W - P - L - T - H - C - A - L - P - T -
 - W - S - N - G - L - P - T - V - P - Y - L - L -



* *151761360* *151761350* *151761340* *151761330
 5' t c a t a t c t t t c t c a t g t g g a c c t g g t a a a a g a c t t g a a t 3'
 - S - Y - L - S - H - V - D - L - V - K - D - L - N -
 - H - I - F - L - M - W - T - W - K - T - I -
 - I - S - F - S - C - G - P - G - K - R - L - E - F -





```
*          *151761320*          *151761310*          *151761300*
5' t c a g g c c t c a t t g g a g c c c t a c t a g t a t g t a 3'
- S - G - L - I - G - A - L - L - V - C -
- Q - A - S - L - E - P - Y - ● - Y - V -
- R - P - H - W - S - P - T - S - M -
```

piece 2, p1.c151761353t, c.541G>A c151761353t

```
*          *151761400*          *151761390*          *151761380*          *151761370*
5' a a t g g t c c a a t g g c c t c t g a c c c a c t g t g c c t t a c c t a c 3'
- N - G - P - M - A - S - D - P - L - C - L - T - Y -
- M - V - Q - W - P - L - L - T - H - C - A - L - P - T -
- W - S - N - G - L - ● - P - T - V - P - Y - L - L -
```





5' t c a t a t c t t t c t c a t a t g g a c c t g g t a a a a g a c t t g a a t 3'
 - S - Y - L - S - H - M - D - L - V - K - D - L - N -
 - H - I - F - L - I - W - T - W - K - T - I -
 - I - S - F - S - Y - G - P - G - K - R - L - E - F -

... acceptor 1.1 bits @151761354

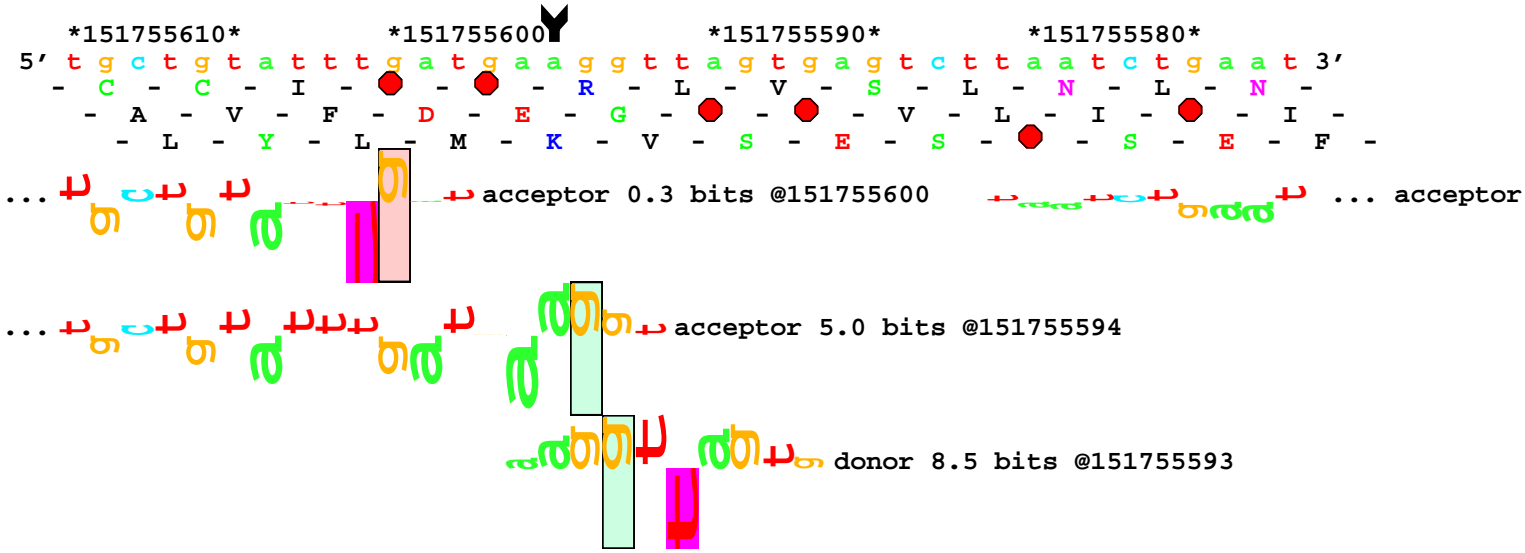
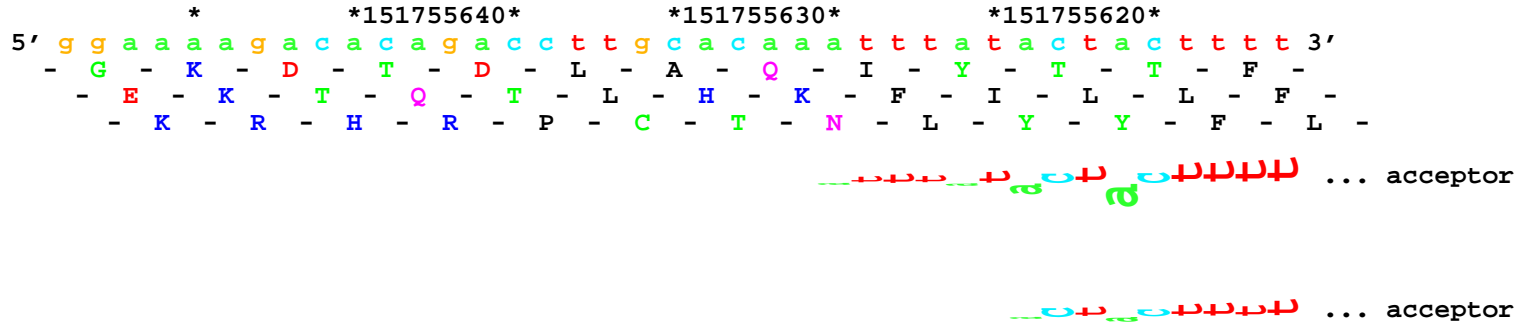
... acceptor 2.1 bits @151761352

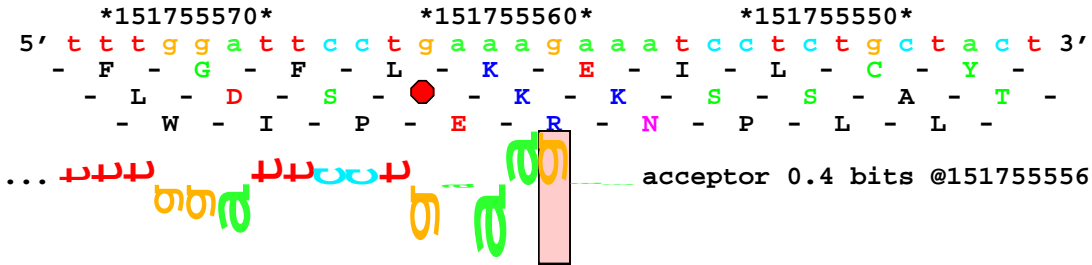
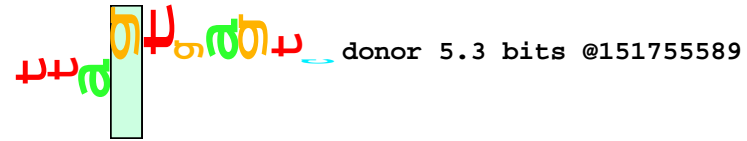
... acceptor 0.5 bits @151761350

... donor 5.9 bits @151761344

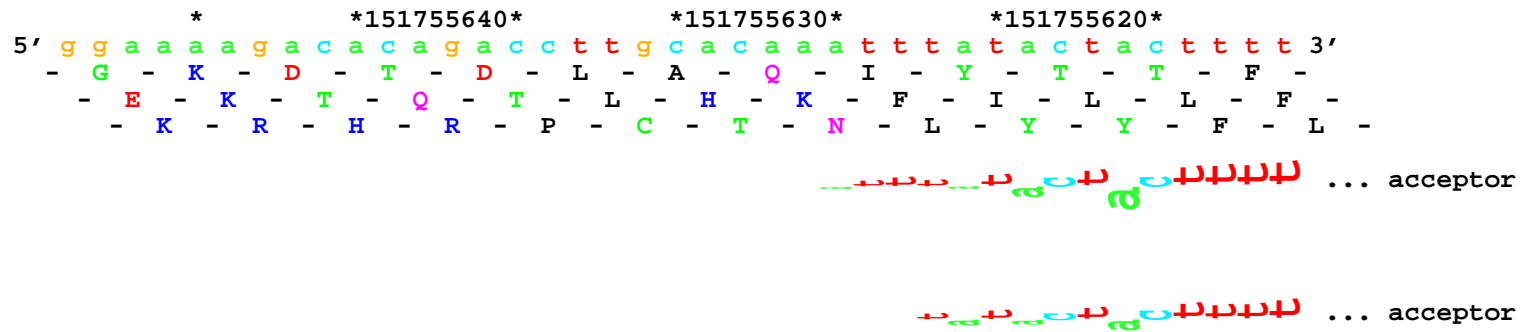
5' t c a g g c c t c a t t g g a g c c c t a c t a g t a t g t a 3'
 - S - G - L - I - G - A - L - L - V - C -
 - Q - A - S - L - E - P - Y - Y - V -
 - R - P - H - W - S - P - T - S - M -

piece 3, pl, piece 1





piece 4, pl.t151755595a, c.669A>T t151755595a





151755610 *151755600* *151755590* *151755580*
5' t g c t g t a t t t g a t g a t g g t t a g t g a g t c t t a a t c t g a a t 3'
- C - C - I - W - L - V - S - L - N - L - N -
- A - V - F - D - D - G - V - L - I - I -
- L - Y - L - M - M - V - S - E - S - S - E - F -

... acceptor 0.3 bits @151755600 ... acceptor

... acceptor 0.1 bits @151755597

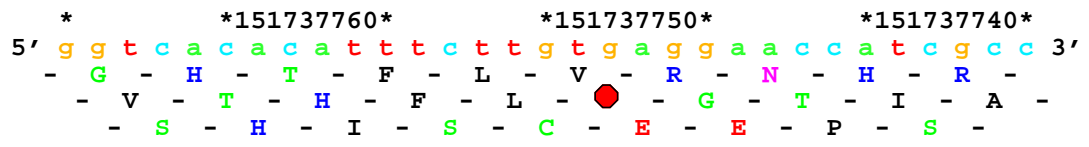
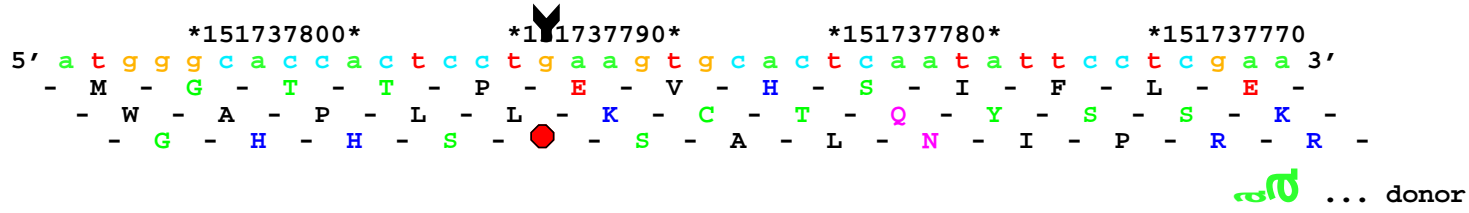
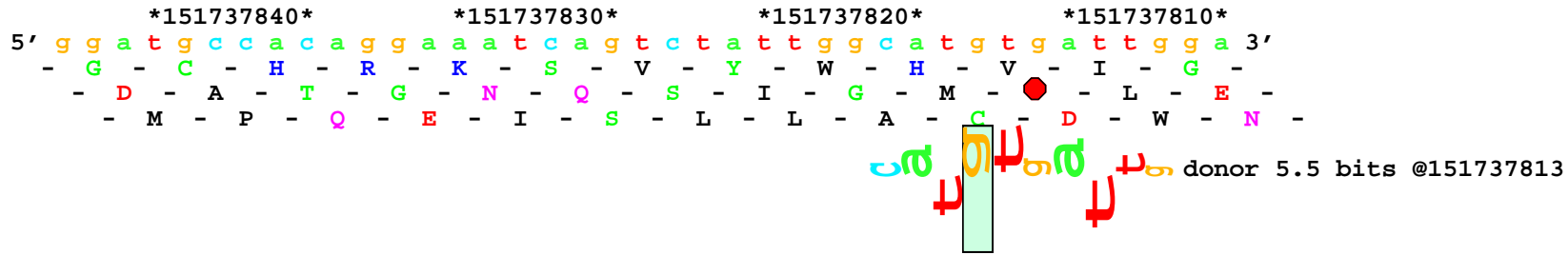
donor 6.4 bits @151755593

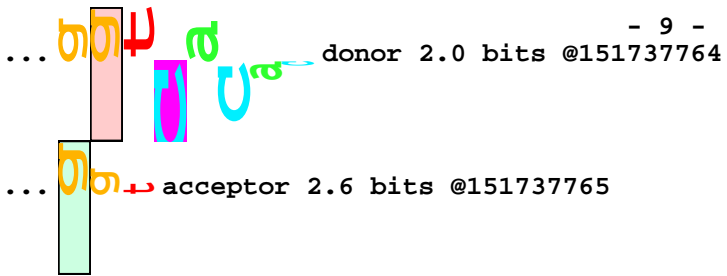
donor 5.3 bits @151755589

151755570 *151755560* *151755550*
5' t t t g g a t t c c t g a a a g a a a t c c t c t g c t a c t 3'
- F - G - F - L - K - E - I - L - C - Y -
- L - D - S - K - K - S - S - A - T -
- W - I - P - E - R - N - P - L - L -

... acceptor 0.4 bits @151755556

piece 5, p1, piece 1





piece 6, pl.c151737789a, c.850G>T c151737789a

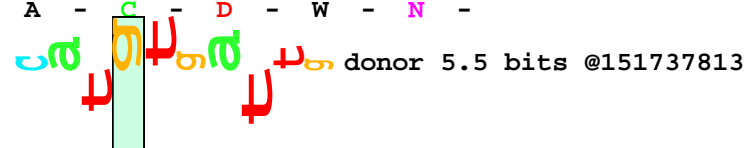
151737840 *151737830* *151737820* *151737810*

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

- G - C - H - R - K - S - V - Y - W - H - V - I - G -

- D - A - T - G - N - Q - S - I - G - M - ● - L - E -

- M - P - Q - E - I - S - L - L - A - C - D - W - N -



151737800 *151737790* *151737780* *151737770*

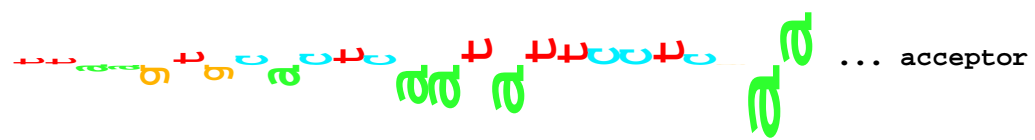
5' a t g g g c a c c a c t c c t t a a g t g c a c t c a a t a t t c c t c g a a 3'

- M - G - T - T - P - ● - V - H - S - I - F - L - E -


- W - A - P - L - L - K - C - T - Q - Y - S - S - K -

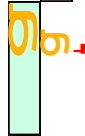
- G - H - H - S - L - S - A - L - N - I - P - R - R -

... donor

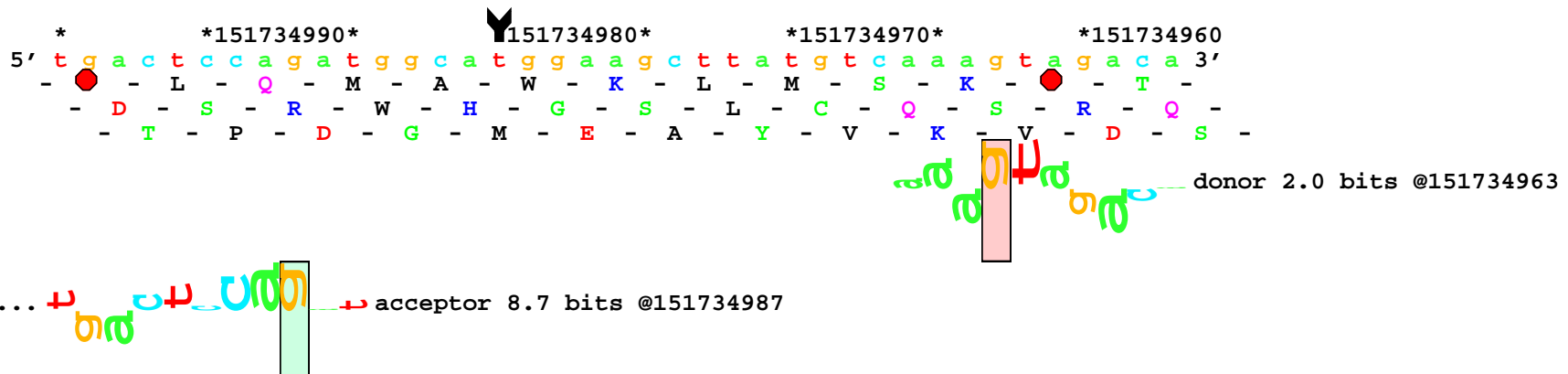
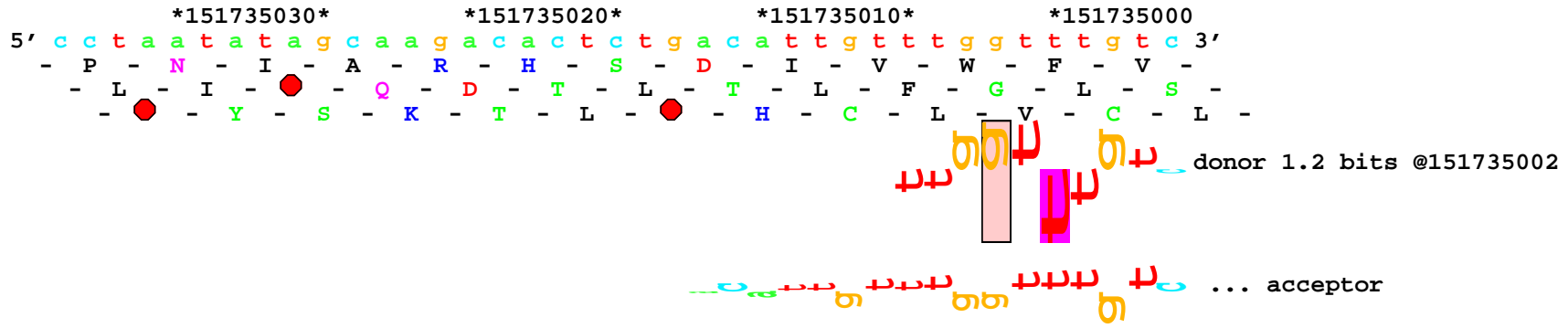


* *151737760* *151737750* *151737740*
5' g g t c a c a c a t t t c t t g t g a g g a a c c a t c g c c 3'
- G - H - T - F - L - V - R - N - H - R -
- V - T - H - F - L - ● - G - T - I - A -
- S - H - I - S - C - E - E - P - S -

...  donor 2.0 bits @151737764

...  acceptor 3.4 bits @151737765

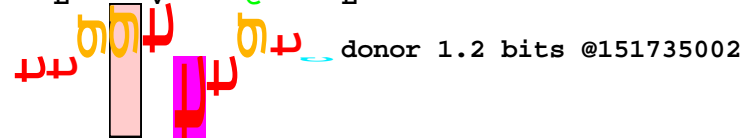
piece 7, p1, piece 1



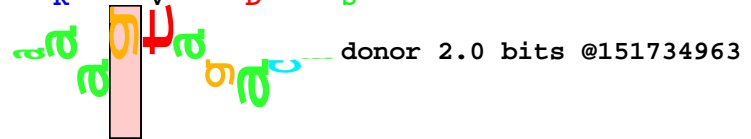
* 151734950* 151734940* 151734930
5' g c t g t c c a g a g g a a c c c c a a c t a c g a a t g a a 3'
- A - V - Q - R - N - P - N - Y - E - ● -
- L - S - R - G - T - P - T - T - N - E -
- C - P - E - E - P - Q - L - R - M -


piece 8, pl.a151734980g, c.1016T>C a151734980g


151735030 151735020* 151735010* 151735000
5' c c t a a t a t a g c a a g a c a c t c t g a c a t t g t t t g g t t t g t c 3'
- P - N - I - A - R - H - S - D - I - V - W - F - V -
- L - I - ● - Q - D - T - L - L - T - L - F - G - L - S -
- ● - Y - S - K - T - L - ● - H - C - L - V - C - L -



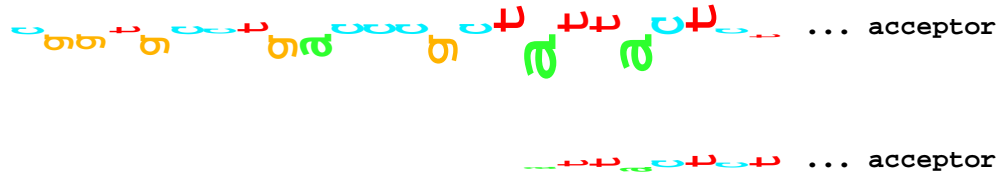
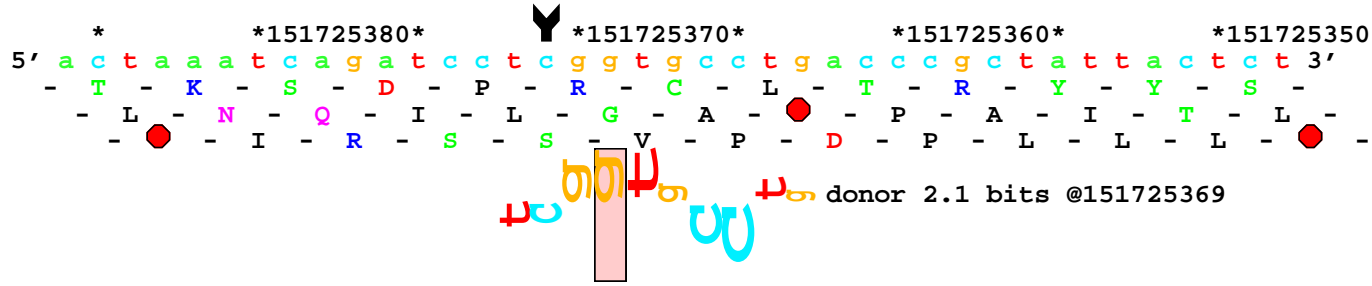
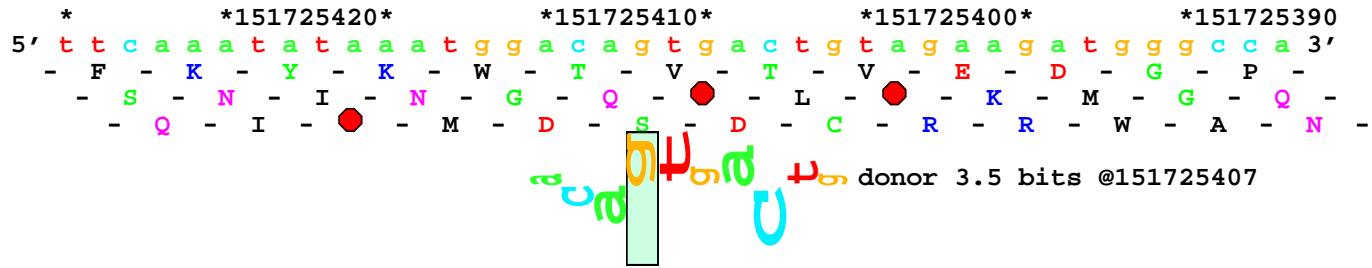
* 151734990* 151734980* 151734970* 151734960
5' t g a c t c c a g a t g g c a c g g a a g c t t a t g t c a a a g t a g a c a 3'
- ● - L - Q - M - A - R - K - L - M - S - K - ● - T -
- D - S - R - W - H - G - S - L - C - Q - S - R - Q -
- T - P - D - G - T - E - A - Y - V - K - V - D - S -



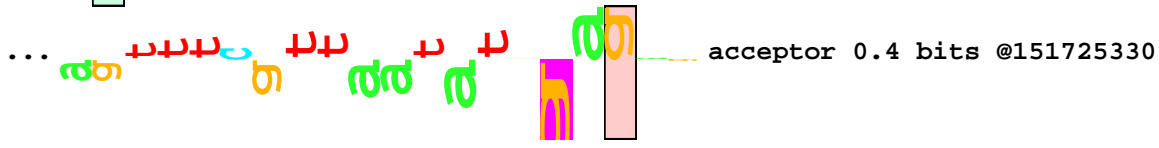
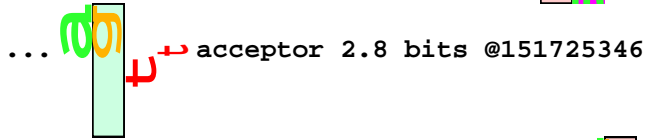
...  acceptor 8.7 bits @151734987

```
*          *151734950*          *151734940*          *151734930*
5' g c t g t c c a g a g g a a c c c c a a c t a c g a a t g a a 3'
- A - V - Q - R - N - P - N - Y - E -  -
- L - S - R - G - T - P - T - T - N - E -
- C - P - E - E - P - Q - L - R - M -
```

piece 9, p1, piece 1

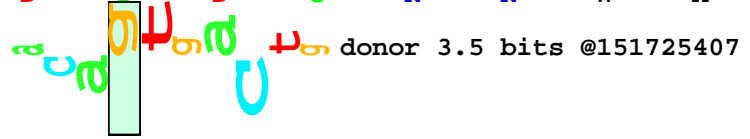


* 151725340* 151725330* 151725320
5' a g t t t c g t t a a t a t g g a g a g a g a t c t a g c t t 3'
- S - F - V - N - M - E - R - D - L - A -
- V - S - L - I - W - R - E - I - L -
- F - R - Y - G - E - R - S - S -

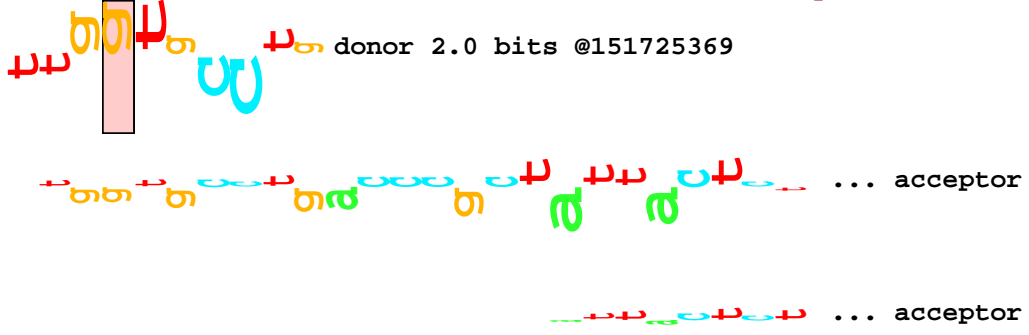


piece 10, p1.g151725371a, c.1636C>T g151725371a

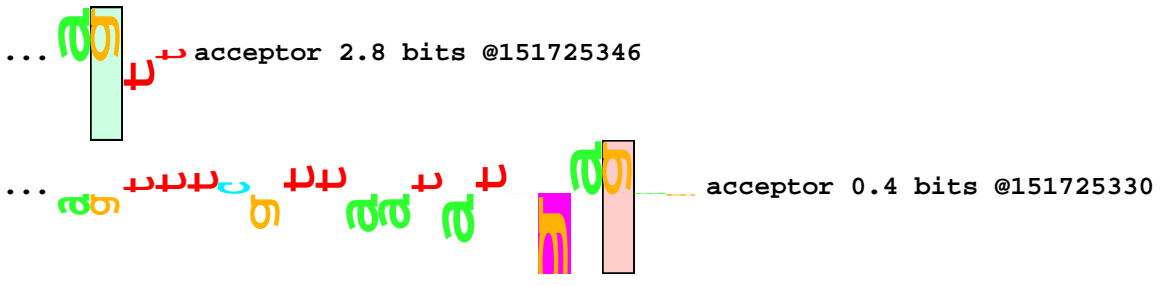
* 151725420* 151725410* 151725400* 151725390
5' t t c a a a t a t a a a t g g a c a g t g a c t g t a g a a g a t g g g c c a 3'
- F - K - Y - K - W - T - V - T - V - E - D - G - P -
- S - N - I - N - G - Q - L - K - M - G - Q -
- Q - I - M - D - S - D - C - R - R - W - A - N -



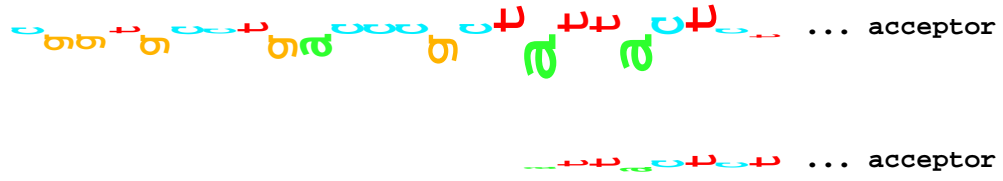
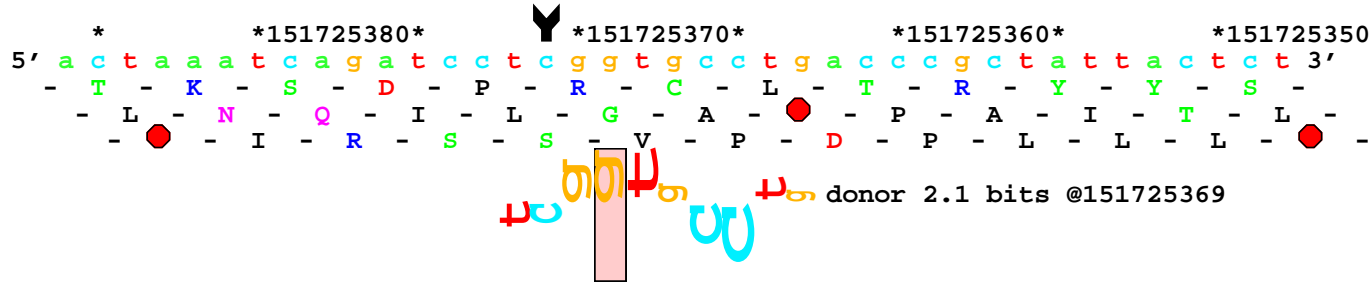
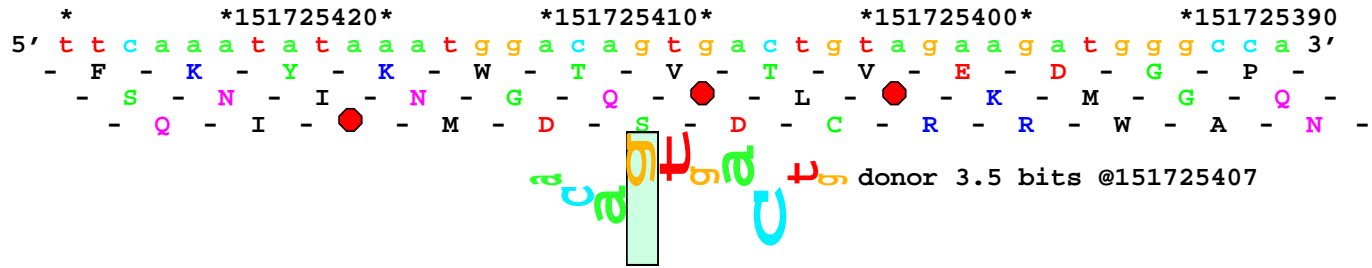
* 151725380* 151725370* 151725360* 151725350
 5' a c t a a a t c a g a t c c t t g g t g c c t g a c c c g c t a t t a c t c t 3'
 - T - K - S - D - P - W - C - L - T - R - Y - Y - S -
 - L - N - Q - I - L - G - A - P - A - I - T - L -
 - I - R - S - L - V - P - D - P - L - L - L -



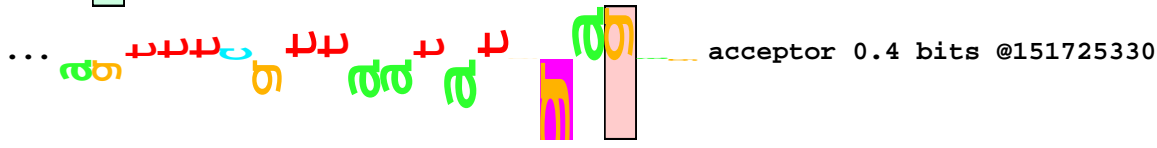
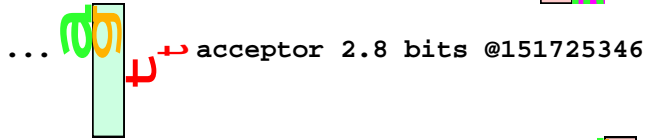
* 151725340* 151725330* 151725320
 5' a g t t t c g t t a a t a t g g a g a g a g a t c t a g c t t 3'
 - S - F - V - N - M - E - R - D - L - A -
 - V - S - L - I - W - R - E - I - L -
 - F - R - Y - G - E - R - S - S -



piece 11, p1, piece 1

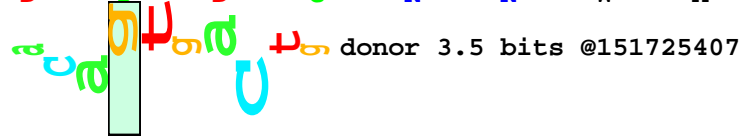


* 151725340* 151725330* 151725320
5' a g t t t c g t t a a t a t g g a g a g a g a t c t a g c t t 3'
- S - F - V - N - M - E - R - D - L - A -
- V - S - L - I - W - R - E - I - L -
- F - R - Y - G - E - R - S - S -



piece 12, p1.g151725371a, c.1636C>T g151725371a

* 151725420* 151725410* 151725400* 151725390
5' t t c a a a t a t a a a t g g a c a g t g a c t g t a g a a g a t g g g c c a 3'
- F - K - Y - K - W - T - V - T - V - E - D - G - P -
- S - N - I - N - G - Q - L - K - M - G - Q -
- Q - I - M - D - S - D - C - R - R - W - A - N -



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

- *T - K - S - D - P - W - C - L - T - R - Y - Y - S -*

- *L - N - Q - I - L - G - A - P - A - I - T - L -*

- *I - R - S - L - V - P - D - P - L - L - L -*

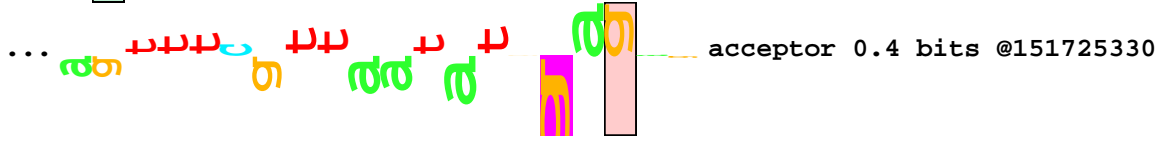
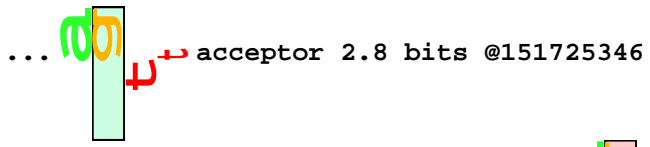


5' *a g t t t c g t t a a t a t g g a g a g a g a t c t a g c t t* 3'

- *S - F - V - N - M - E - R - D - L - A -*

- *V - S - L - I - W - R - E - I - L -*

- *F - R - Y - G - E - R - S - S -*



piece 13, p1, piece 1

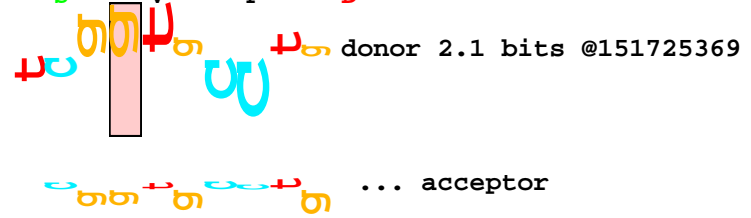
151725400 *151725390* *151725380* *151725370*

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

- V - E - D - G - P - T - K - S - D - P - R - C - L -

- R - R - W - A - N - I - R - S - S - V - P - D -

... donor 3.5 bits @151725407



151725360 *151725350* *151725340* *151725330*

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

- T - R - Y - Y - S - S - F - V - N - M - E - R - D -

- P - A - I - T - L - V - S - L - I - W - R - E - I -

- P - L - L - L - F - R - Y - G - E - R - S -

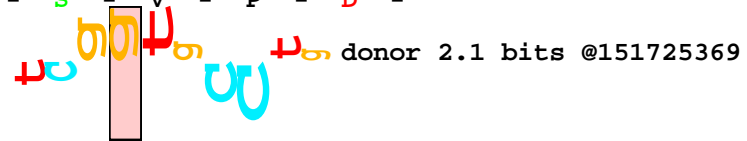
... acceptor 2.8 bits @151725346



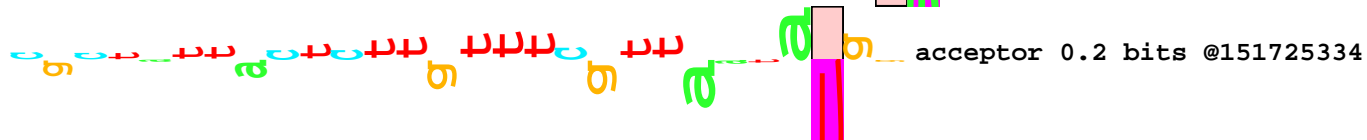
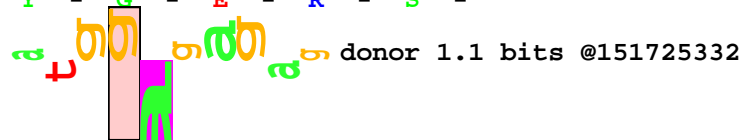
151725320 *151725310* *151725300*
5' c t a g c t t c a g g a c t c a t t g g c c c t c t c c t c a 3'
- L - A - S - G - L - I - G - P - L - L -
- ● - L - Q - D - S - L - A - L - S - S -
- S - F - R - T - H - W - P - S - P -

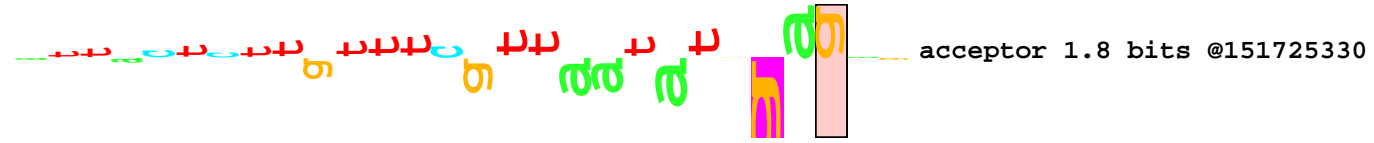
piece 14, p1.t151725347a, c.1660A>T t151725347a

151725400 *151725390* *151725380* *151725370*
5' g t a g a a g a t g g g c c a a c t a a a t c a g a t c c t c g g t g c c t g 3'
- V - E - D - G - P - T - K - S - D - P - R - C - L -
- ● - K - M - G - Q - L - ● - N - Q - I - L - G - A - ● -
- R - R - W - A - N - ● - I - R - S - S - V - P - D -



151725360 *151725350* *151725340* *151725330*
5' a c c c g c t a t t a c t c t t g t t t c g t t a a t a t g g a g a g a g a t 3'
- T - R - Y - Y - S - C - F - V - N - M - E - R - D -
- P - A - I - T - L - V - S - L - I - W - R - E - I -
- P - L - L - L - L - F - R - ● - Y - G - E - R - S -





151725320 *151725310* *151725300*

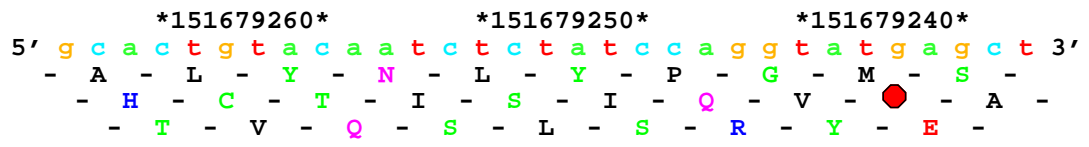
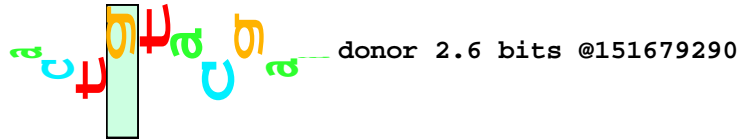
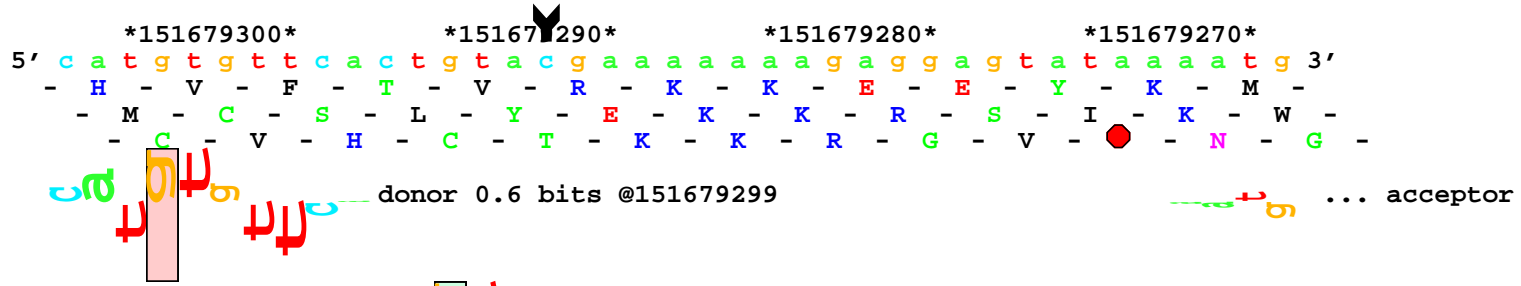
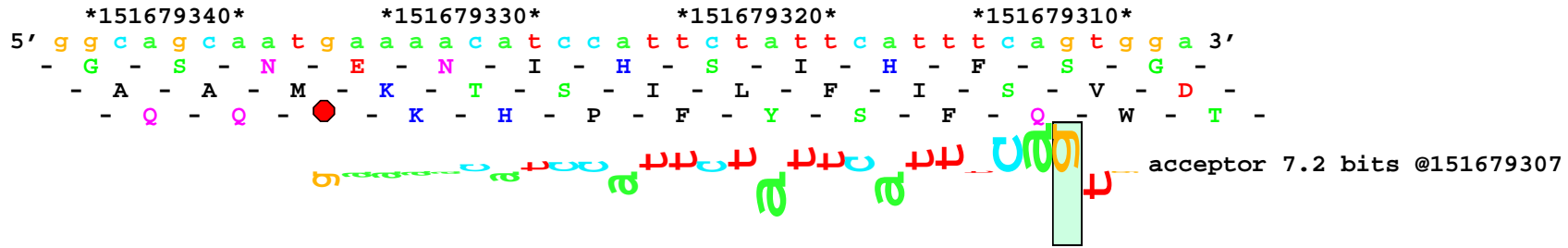
5' c t a g c t t c a g g a c t c a t t g g c c c t c t c c t c a 3'

- L - A - S - G - L - I - G - P - L - L -

- ● - L - Q - D - S - L - A - L - S - S -

- S - F - R - T - H - W - P - S - P -

piece 15, pl, piece 1



... acceptor 5.5 bits @151679242

donor 8.4 bits @151679241

piece 16, pl.g151679287a, c.5953C>T g151679287a

```

*151679340*      *151679330*      *151679320*      *151679310*
5' g g c a g c a a t g a a a a c a t c c a t t c t a t t c a t t t c a g t g g a 3'
- G - S - N - E - N - I - H - S - I - H - F - S - G -
- A - A - M - K - T - S - I - L - F - I - S - V - D -
- Q - Q - ● - K - H - P - F - Y - S - F - Q - W - T -
  
```

acceptor 7.2 bits @151679307

```


*151679300*      *151679290*      *151679280*      *151679270*
5' c a t g t g t t c a c t g t a t g a a a a a a a g a g g a g t a t a a a a t g 3'
- H - V - F - T - V - ● - K - K - E - E - Y - K - M -
- M - C - S - L - Y - E - K - K - R - S - I - K - W -
- C - V - H - C - M - K - K - R - G - V - ● - N - G -
  
```

donor 0.6 bits @151679299

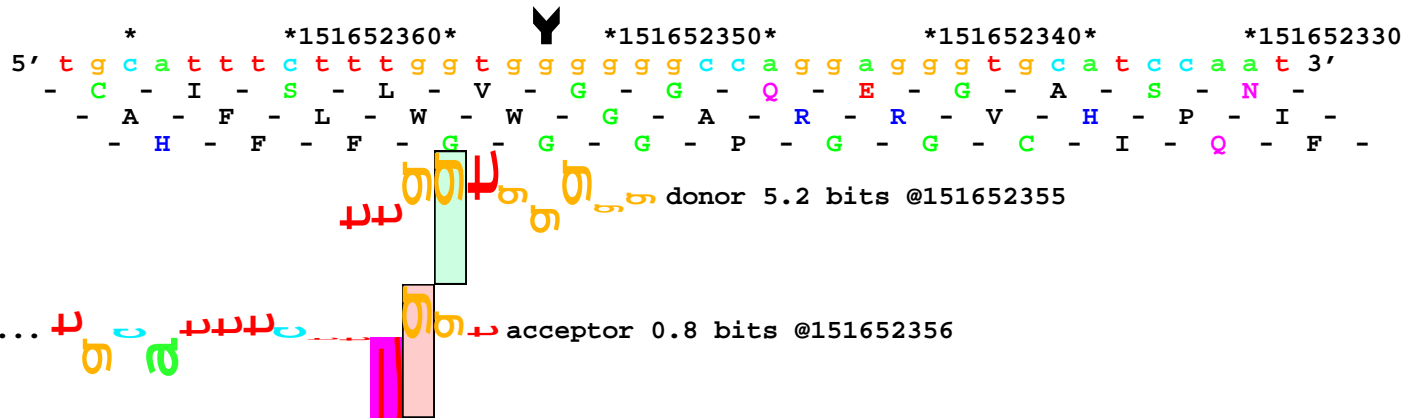
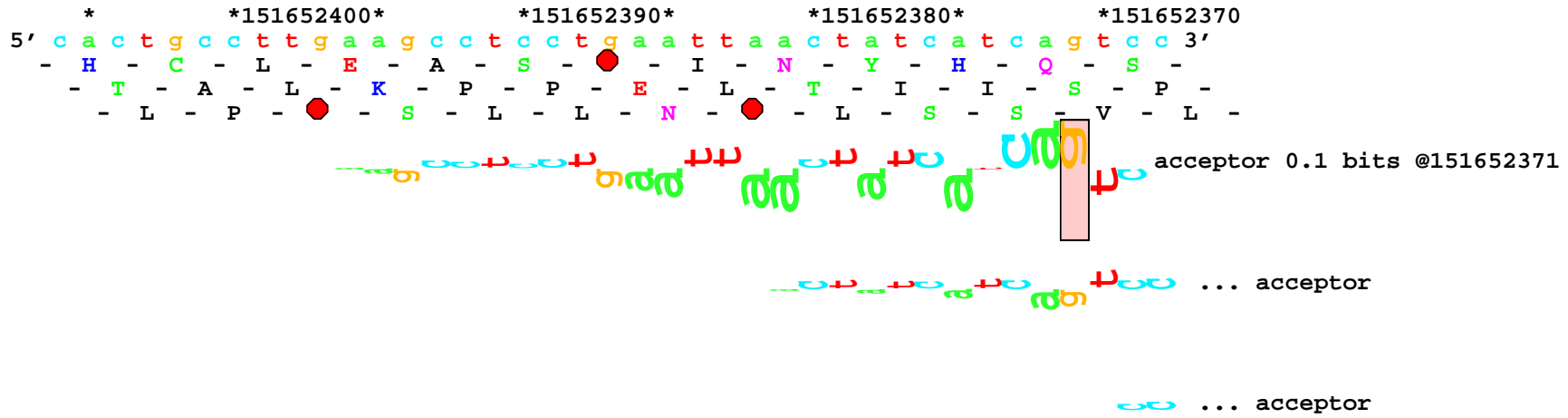
... acceptor

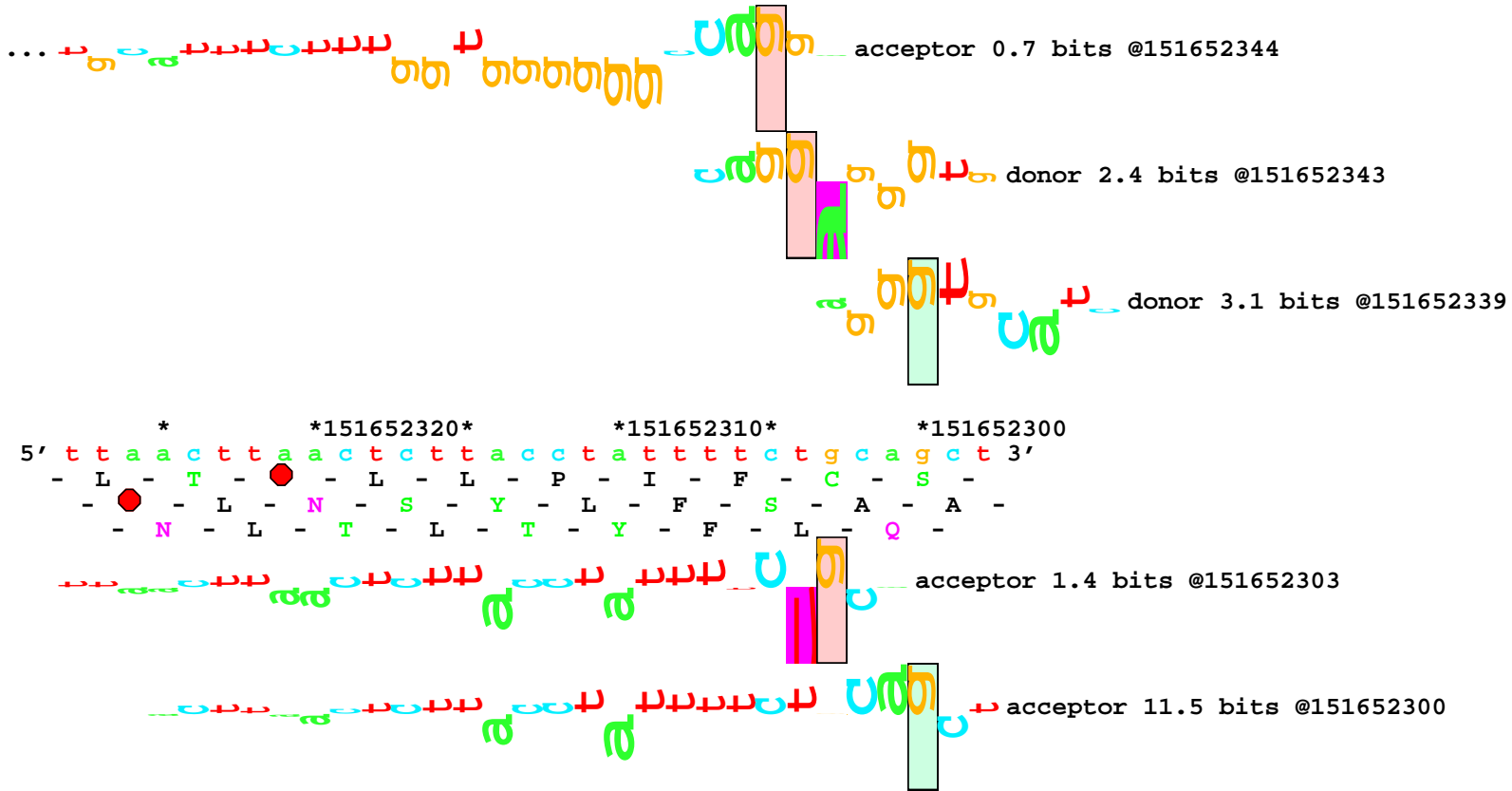
donor 2.6 bits @151679290

151679260 *151679250* *151679240*
5' g c a c t g t a c a a t c t c t a t c c a g g t a t g a g c t 3'
- A - L - Y - N - L - Y - P - G - M - S -
- H - C - T - I - S - I - Q - V - ● - A -
- T - V - Q - S - L - S - R - Y - E -

...  acceptor 5.5 bits @151679242

piece 17, p1, piece 1





piece 18, pl.c151652352g, c.6977G>C c151652352g

