

piece 1, NC_000006, POLH, config: linear, direction: +, begin: 43676797, end: 43676827

*43676800 * *43676810 * *43676820 *

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

- phe - ala - lys - cys - lys - tyr - ser - gly - ser - met -

- ser - gln - asn - val - ser - ile - gln - ala - ala - cys -

- arg - lys - met - - - - -

... -----> NC_000006.CDS:43676703-43676806

[-----#-----] exon6/intron6



piece 2, NC_000006.g43676807c, XP31BE g.24885 G>C exon6, config: linear, direction: +, begin: 43676807, end: 43676827

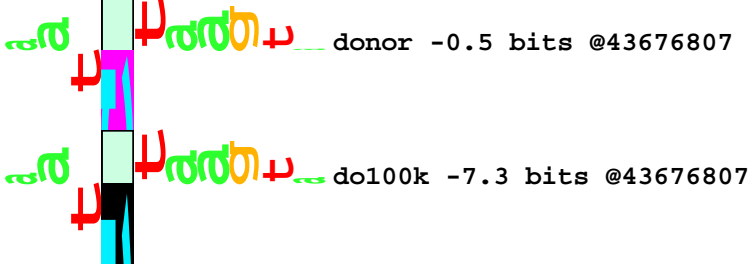
*43676800 * *43676810 * *43676820 *

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

- phe - ala - lys - ser - lys - tyr - ser - gly - ser - met -

- ser - gln - asn - leu - ser - ile - gln - ala - ala - cys -

- arg - lys - ile - - - - -

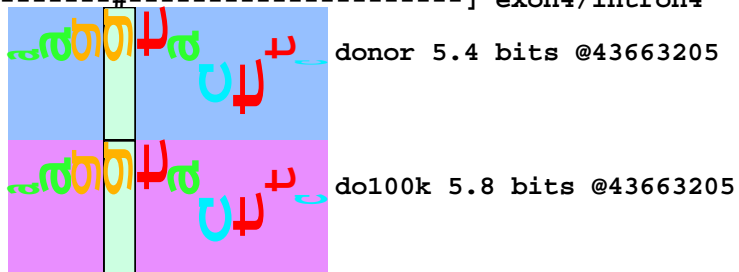


piece 3, NC_000006, POLH, config: linear, direction: +, begin: 43663195, end: 43663225

```

*           *43663200 *           *43663210 *           *43663220 *
5' g t t c a g a a a g g t a c t t c c a t a g c a t c a t a c t 3'
- val - gln - lys - gly - thr - ser - ile - ala - ser - tyr -
- phe - arg - lys - val - leu - pro - ● - - -
- ser - glu - arg - tyr - phe - his - ser - ile - ile -
... -----> NC_000006.CDS:43662987-43663204
  [-----#-----] exon4/intron4

```

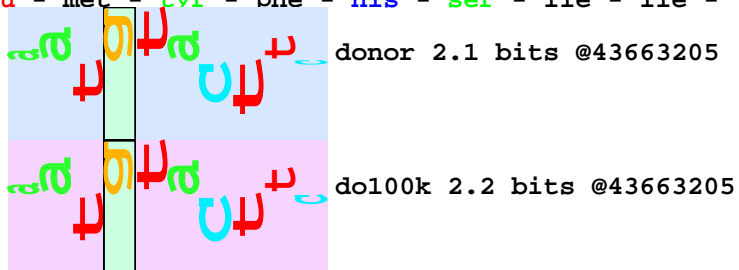


piece 4, NC_000006.g43663204t, XP1SE g.11282 G>T exon4, config: linear, direction: +, begin: 43663204, end: 43663225

```

*           *43663200 *           *43663210 *           *43663220 *
5' g t t c a g a a a t g t a c t t c c a t a g c a t c a t a c t 3'
- val - gln - lys - cys - thr - ser - ile - ala - ser - tyr -
- phe - arg - asn - val - leu - pro - ● - - -
- ser - glu - met - tyr - phe - his - ser - ile - ile -

```



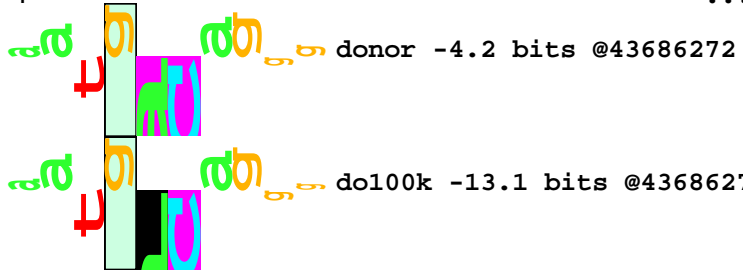
piece 5, NC_000006, POLH, config: linear, direction: +, begin: 43686252, end: 43686289

```

*           *43686260 *           *43686270 *           *43686280 *
5' a t c c t t t c c a c c c a c a g a a t g a c a g g g t a g c c a c c c a g 3'
- ile - leu - ser - thr - his - arg - met - thr - gly - - - - -
- ser - phe - pro - pro - thr - glu - - - - -
- pro - phe - his - pro - gln - asn - asp - arg - val - ala - thr - gln -

```

... NC_000006.CDS:4

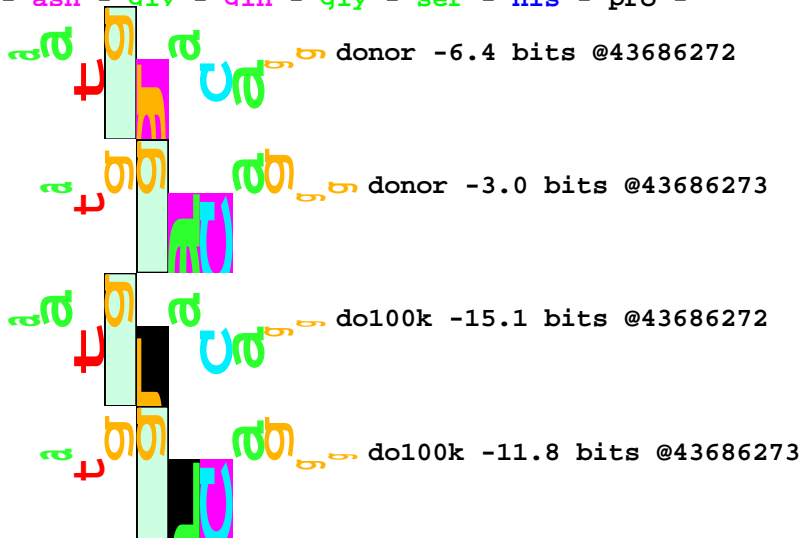


piece 6, NC_000006.i43686272,43686273g, XP164BE allele 1 g.34350_34351insG, config: linear, direction: +

```

*           *43686260 *           *43686270 *           *43686280 *           *43686290
5' a t c c t t t c c a c c c a c a g a a t g g a c a g g g t a g c c a c c c a g 3'
- ile - leu - ser - thr - his - arg - met - asp - arg - val - ala - thr - gln -
- ser - phe - pro - pro - thr - glu - trp - thr - gly - - - - -
- pro - phe - his - pro - gln - asn - gly - gln - gly - ser - his - pro -

```



piece 9, NC_000006, POLH, config: linear, direction: +, begin: 43673558, end: 43673595

*43673560 * *43673570 * *43673580 * *43673590 *

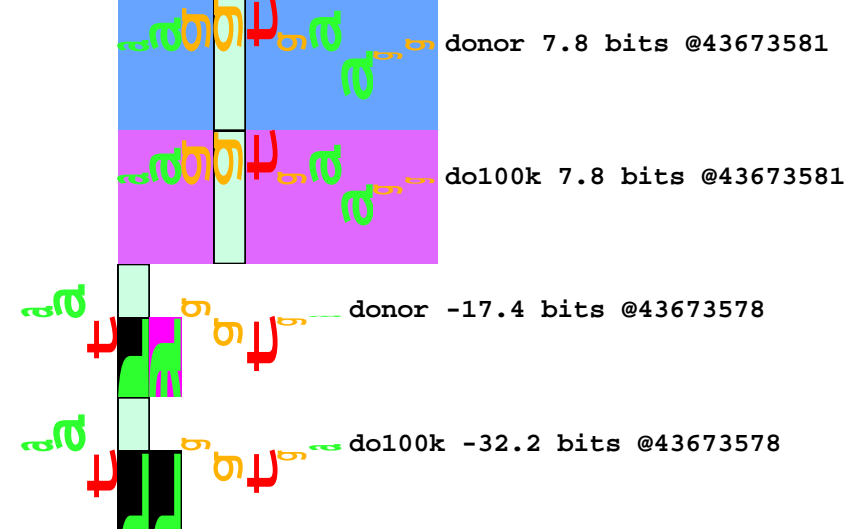
5' c a g c t g g a a t t t c a c a c a a t a a g g t g a a g g c t a a t a g t 3'

- gln - leu - glu - phe - his - thr - ile - arg - - - - -

- ser - trp - asn - phe - thr - gln - - - - -

- ala - gly - ile - ser - his - asn - lys - val - lys - ala - asn - ser -

... -----> NC_000006.CDS:43673411-43673580



piece 10, NC_000006.a43673578g, XP224BE allele 2 g.21656 A>G, config: linear, direction: +, begin:

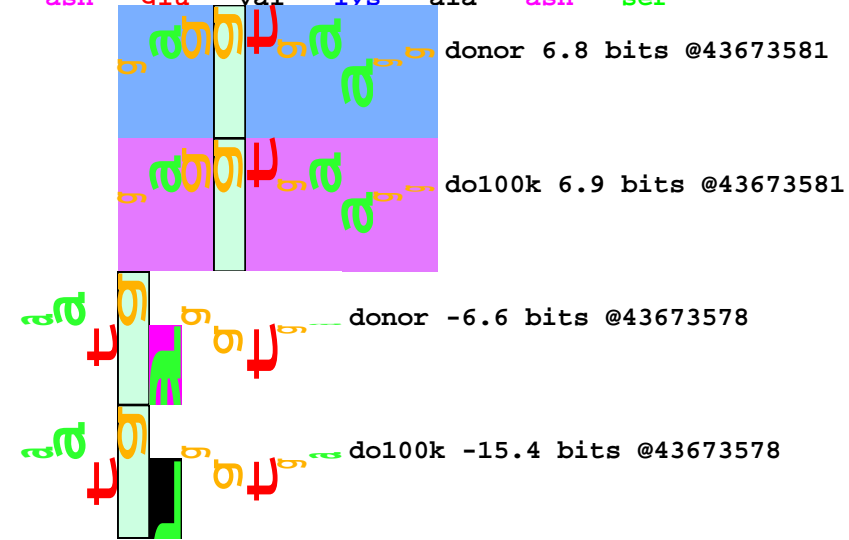
*43673560 * *43673570 * *43673580 * *43673590 *

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

- gln - leu - glu - phe - his - thr - met - arg - - - - -

- ser - trp - asn - phe - thr - gln - - - - -

- ala - gly - ile - ser - his - asn - glu - val - lys - ala - asn - ser -



piece 11, NC_000006, POLH, config: linear, direction: +, begin: 43673422, end: 43673459

* *43673430 * *43673440 * *43673450 *

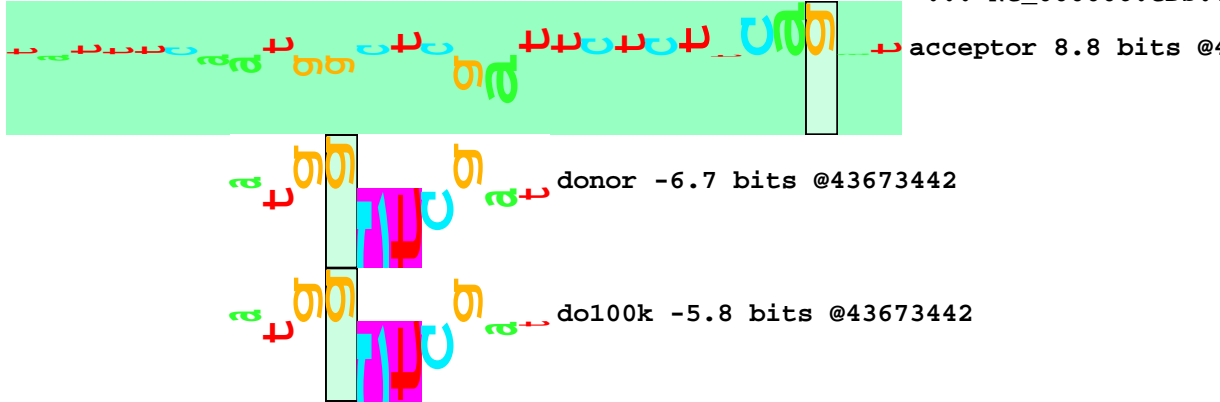
5' a a a c a a g g c t t a t t t c a a t g g c t c g a t t c t c t t c a g a t 3'

- lys - gln - gly - leu - phe - gln - trp - leu - asp - ser - leu - gln -

- asn - lys - ala - tyr - phe - asn - gly - ser - ile - leu - phe - arg -

- thr - arg - leu - ile - ser - met - ala - arg - phe - ser - ser - asp -

... NC_000006.CDS:4



piece 12, NC_000006.g43673442t, XP10TA allele 1 g.21520 G>T, config: linear, direction: +, begin: 43673422, end: 43673459

* *43673430 * *43673440 * *43673450 *

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

- lys - gln - gly - leu - phe - gln - cys - leu - asp - ser - leu - gln -

- asn - lys - ala - tyr - phe - asn - val - ser - ile - leu - phe - arg -

- thr - arg - leu - ile - ser - met - ser - arg - phe - ser - ser - asp -

... NC_000006.CDS:4

