

**Sample: NA12892**

**Locus: HFE**

**Resolution: 4th field**

**Full typing result:**

**HFE\*001:01:02**

bam coverage

4  
3

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb

1.0kb

2.0kb

3.0kb

4.0kb

5.0kb

6.0kb

7.0kb

HFE\*001:01:02 (identity: 93.71%)

**Sample: NA12892**

**Locus: HFE**

**Resolution: 4th field**

**Full typing result:**

**HFE\*001:01:01**

bam coverage

6  
4

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb

1.0kb

2.0kb

3.0kb

4.0kb

5.0kb

6.0kb

7.0kb

HFE\*001:01:01 (identity: 100.00%)

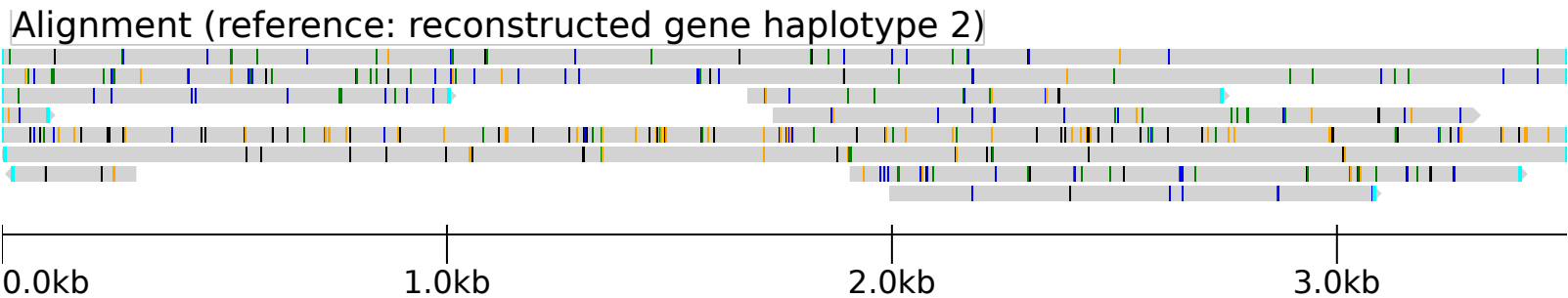
Sample: NA12892

Locus: HLA-A

Resolution: 4th field

Full typing result:

HLA-A*02:01:01:01	HLA-A*02:01:01:52	HLA-A*02:01:01:51
HLA-A*02:01:01:05	HLA-A*02:01:01:06	HLA-A*02:01:01:07
HLA-A*02:01:01:08	HLA-A*02:01:01:132	HLA-A*02:01:01:137
HLA-A*02:01:01:147	HLA-A*02:01:01:148	HLA-A*02:01:01:159
HLA-A*02:01:01:198	HLA-A*02:01:01:206	HLA-A*02:01:01:209



HLA-A*02:01:01:01 (identity: 100.00%)
HLA-A*02:01:01:52 (identity: 99.94%)
HLA-A*02:01:01:51 (identity: 99.97%)
HLA-A*02:01:01:05 (identity: 99.97%)
HLA-A*02:01:01:06 (identity: 99.97%)
HLA-A*02:01:01:07 (identity: 99.97%)
HLA-A*02:01:01:08 (identity: 99.97%)
HLA-A*02:01:01:132 (identity: 99.97%)
HLA-A*02:01:01:137 (identity: 99.97%)
HLA-A*02:01:01:147 (identity: 99.97%)

**Sample: NA12892**

**Locus: HLA-A**

**Resolution: 4th field**

**Full typing result:**

**HLA-A\*11:01:01:01**

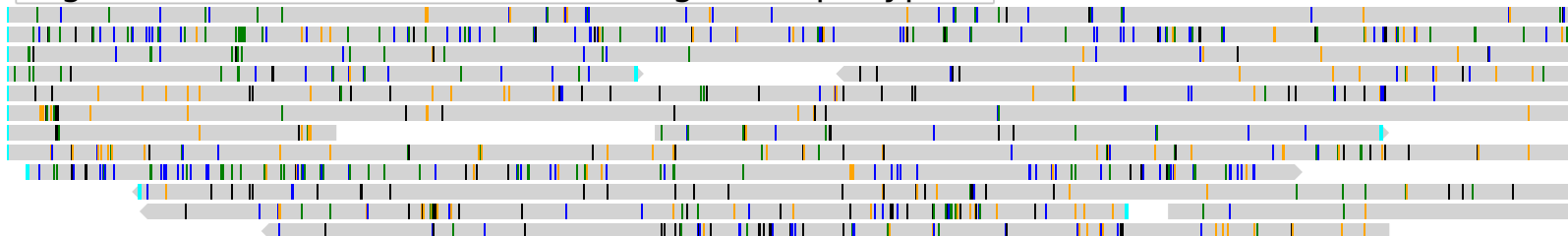
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

**HLA-A\*11:01:01:01 (identity: 100.00%)**

Sample: NA12892

Locus: HLA-B

Resolution: 4th field

Full typing result:

HLA-B\*56:01:01:15

HLA-B\*55:02:01:04

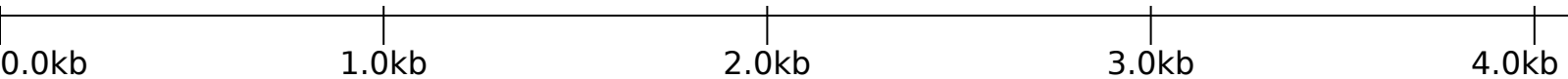
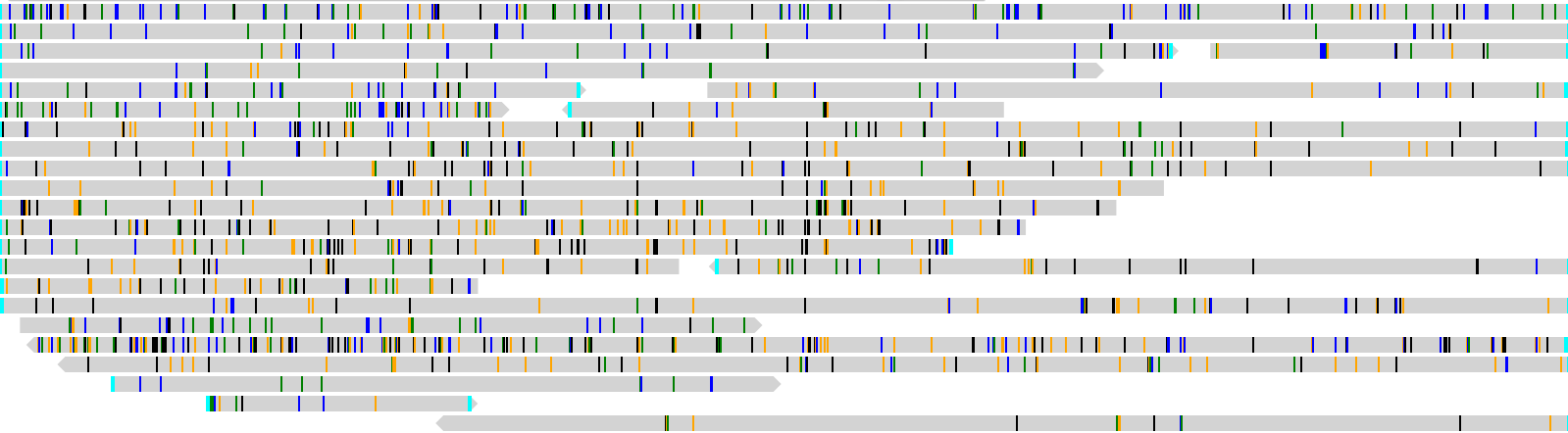
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-B\*56:01:01:15 (identity: 99.95%)



HLA-B\*55:02:01:04 (identity: 99.93%)



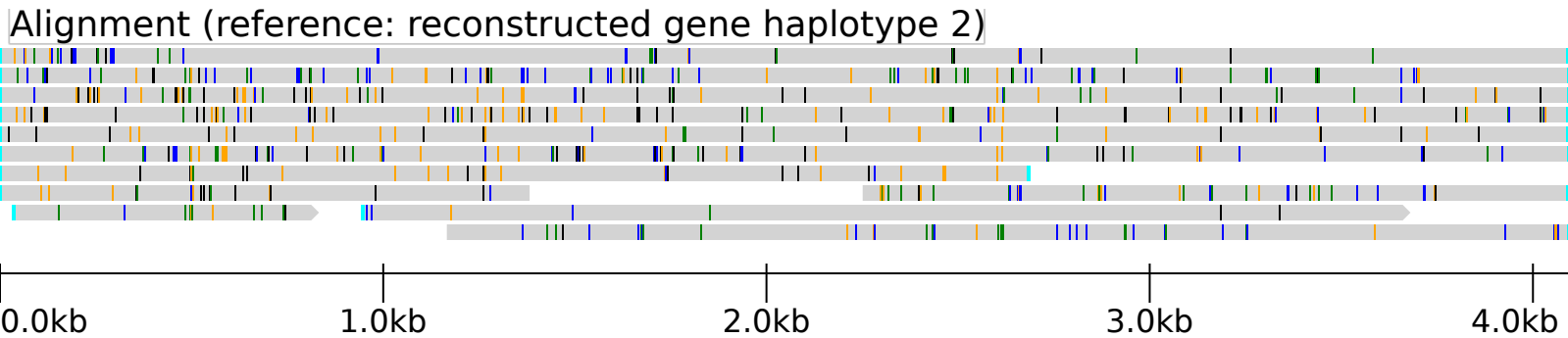
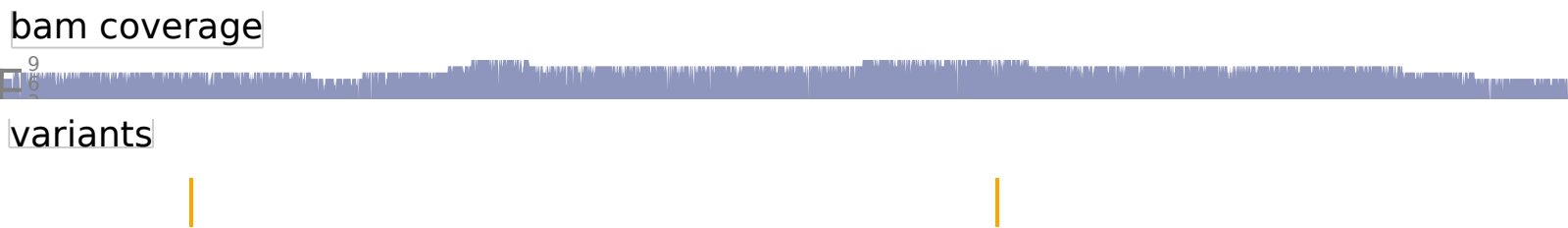
Sample: NA12892

Locus: HLA-B

Resolution: 4th field

Full typing result:

- HLA-B\*15:01:01:01HLA-B\*15:146HLA-B\*15:01:01:45
- HLA-B\*15:01:01:62HLA-B\*15:07:01:01HLA-B\*15:28
- HLA-B\*15:554HLA-B\*15:632HLA-B\*15:26N



HLA-B*15:01:01:01 (identity: 99.98%)	
HLA-B*15:146 (identity: 99.98%)	
HLA-B*15:01:01:45 (identity: 99.95%)	
HLA-B*15:01:01:62 (identity: 99.95%)	
HLA-B*15:07:01:01 (identity: 99.95%)	
HLA-B*15:28 (identity: 99.95%)	
HLA-B*15:554 (identity: 99.95%)	
HLA-B*15:632 (identity: 99.95%)	
HLA-B*15:26N (identity: 99.95%)	

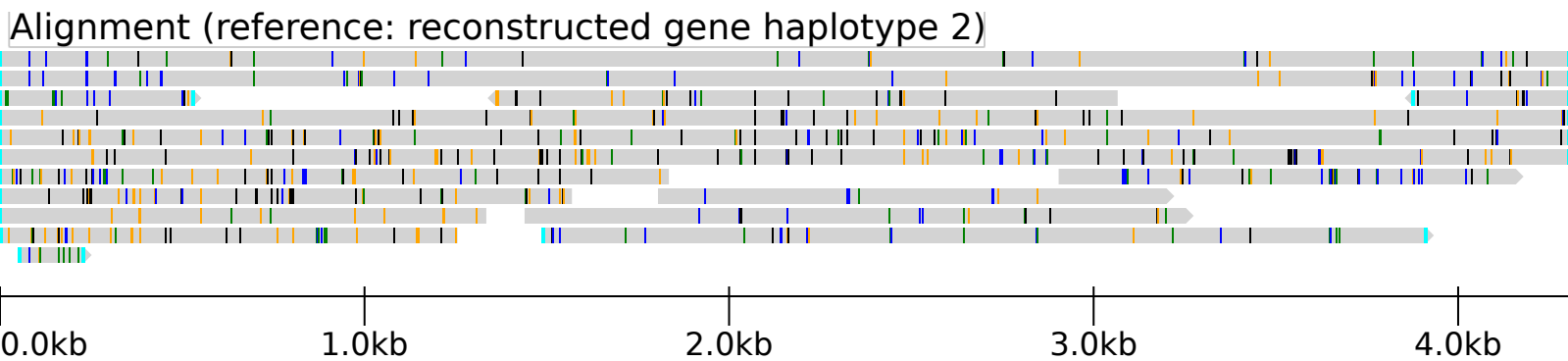
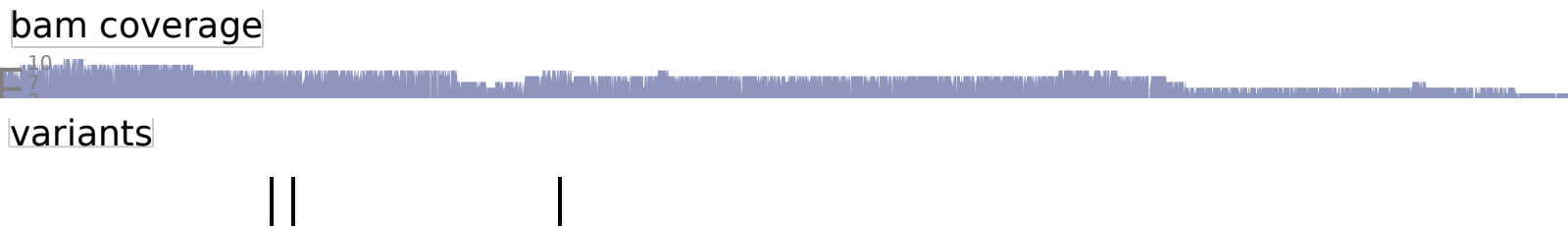
Sample: NA12892

Locus: HLA-C

Resolution: 4th field

Full typing result:

- HLA-C\*01:02:01:71
- HLA-C\*01:02:01:72
- HLA-C\*01:22
- HLA-C\*01:237
- HLA-C\*01:02:01:11
- HLA-C\*01:02:36
- HLA-C\*01:222N
- HLA-C\*01:251
- HLA-C\*01:252
- HLA-C\*01:253



- HLA-C\*01:02:01:71 (identity: 100.00%)
- HLA-C\*01:02:01:72 (identity: 99.98%)
- HLA-C\*01:22 (identity: 99.98%)
- HLA-C\*01:237 (identity: 99.98%)
- HLA-C\*01:02:01:11 (identity: 99.98%)
- HLA-C\*01:02:36 (identity: 99.98%)
- HLA-C\*01:222N (identity: 99.98%)
- HLA-C\*01:251 (identity: 99.98%)
- HLA-C\*01:252 (identity: 99.98%)
- HLA-C\*01:253 (identity: 99.98%)

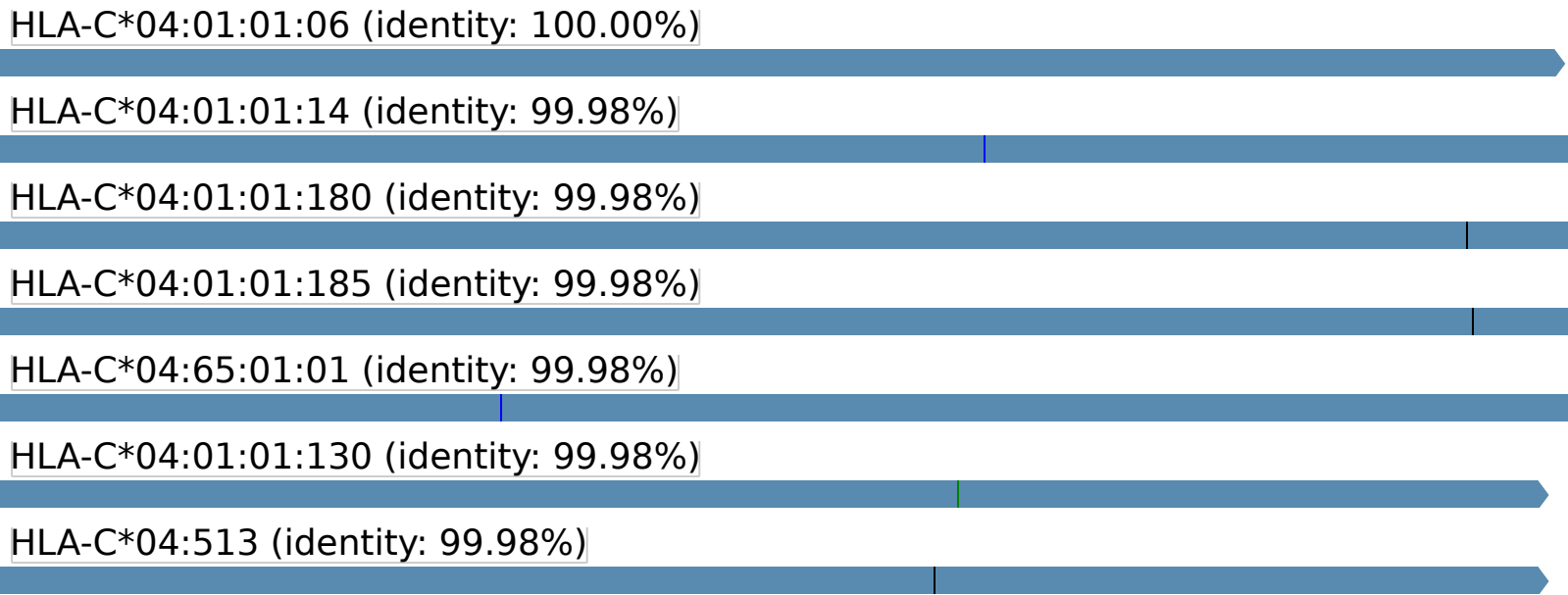
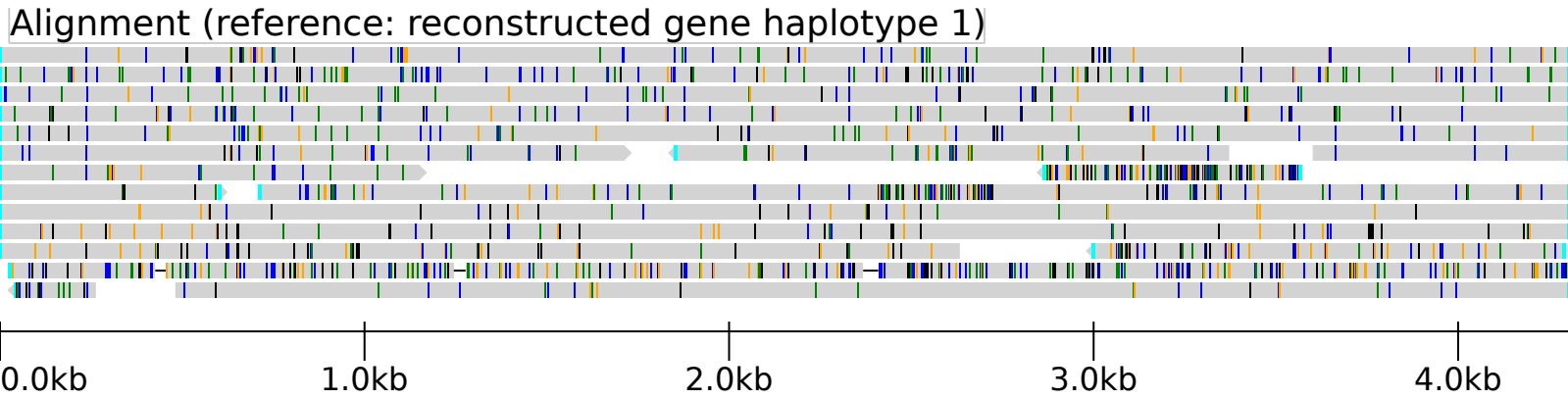
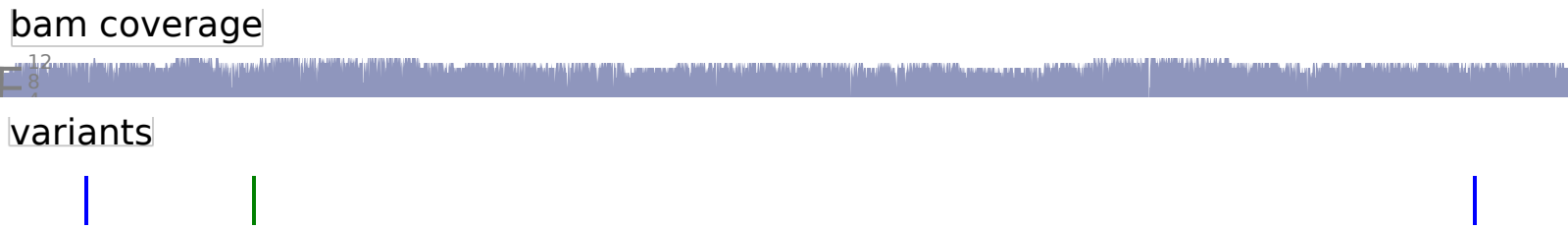
Sample: NA12892

Locus: HLA-C

Resolution: 4th field

Full typing result:

- HLA-C\*04:01:01:06
- HLA-C\*04:01:01:14
- HLA-C\*04:01:01:180
- HLA-C\*04:01:01:185
- HLA-C\*04:65:01:01
- HLA-C\*04:01:01:130
- HLA-C\*04:513





Sample: NA12892

Locus: HLA-DMA

Resolution: 4th field

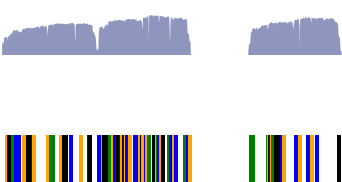
Full typing result:

HLA-DMA\*01:01:01:02

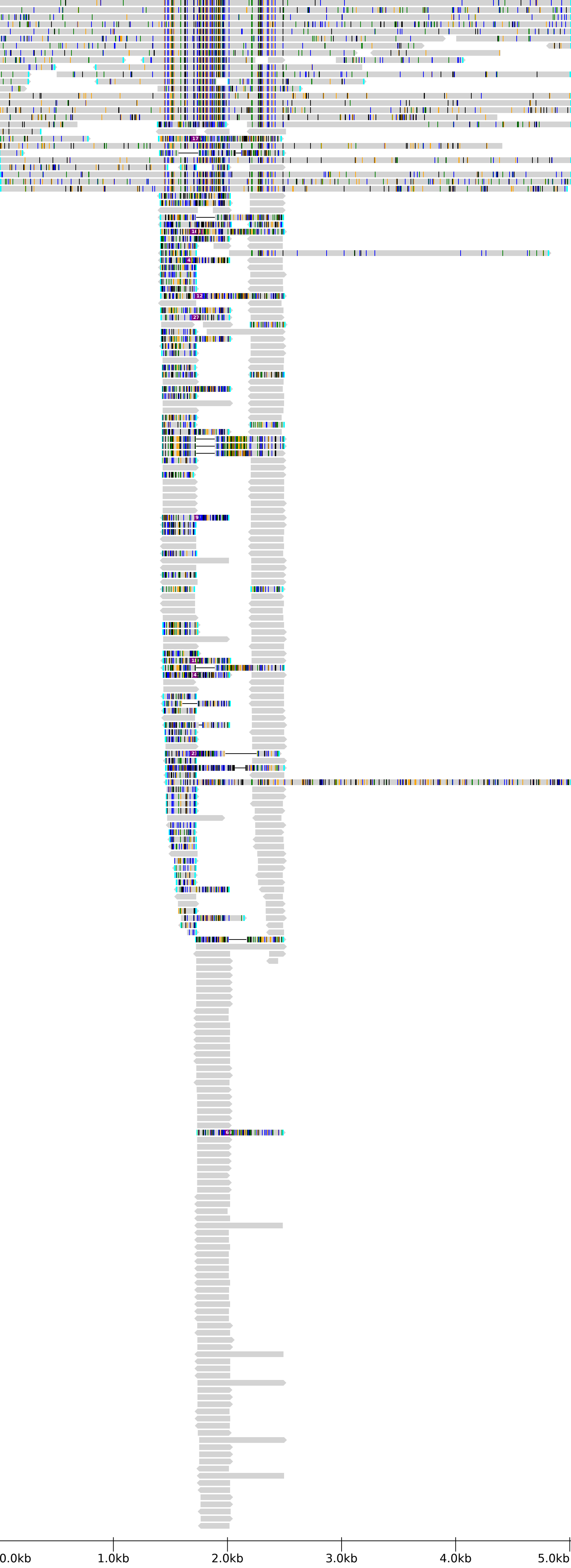
bam coverage

123  
82

variants



Alignment (reference: reconstructed gene haplotype 2)



HLA-DMA\*01:01:01:02 (identity: 98.54%)



Sample: NA12892

Locus: HLA-DMA

Resolution: 4th field

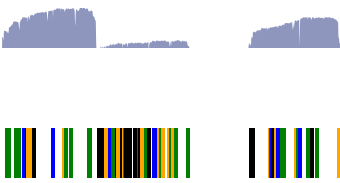
Full typing result:

HLA-DMA\*01:01:01:01

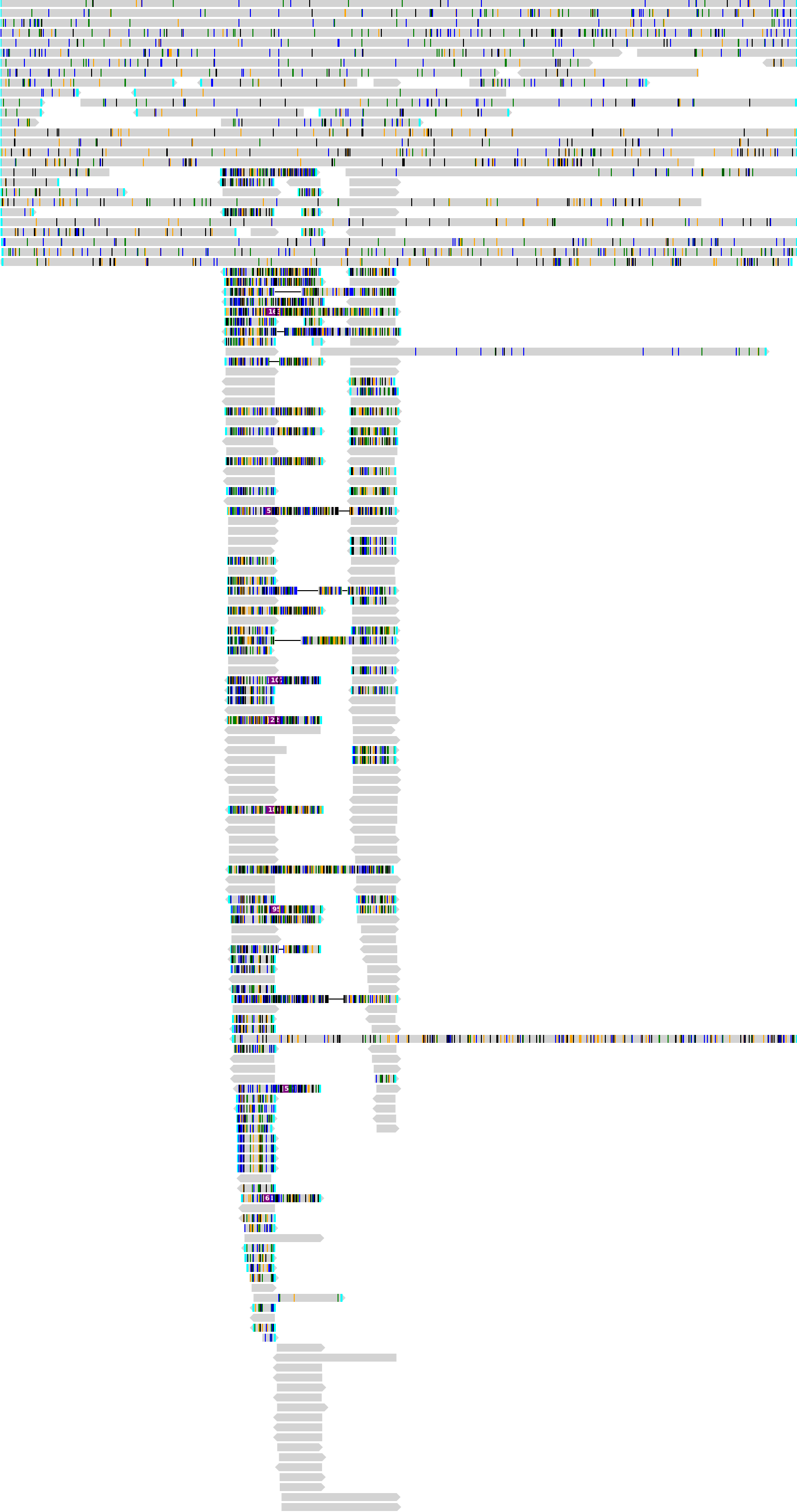
bam coverage

114  
76  
76

variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb 1.0kb 2.0kb 3.0kb 4.0kb 5.0kb

HLA-DMA\*01:01:01:01 (identity: 100.00%)



**Sample: NA12892**

**Locus: HLA-DMB**

**Resolution: 4th field**

**Full typing result:**

**HLA-DMB\*01:01:01:01**

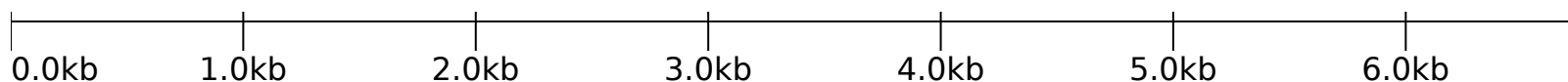
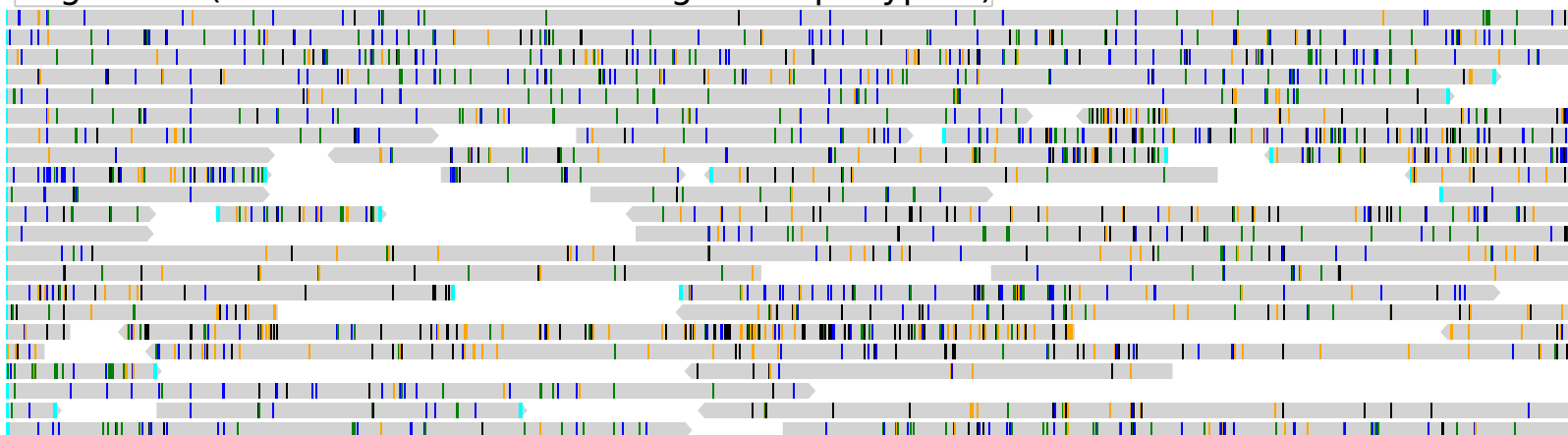
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



**HLA-DMB\*01:01:01:01 (identity: 100.00%)**



**Sample: NA12892**

**Locus: HLA-DOA**

**Resolution: 4th field**

**Full typing result:**

**HLA-DOA\*01:01:02:15**

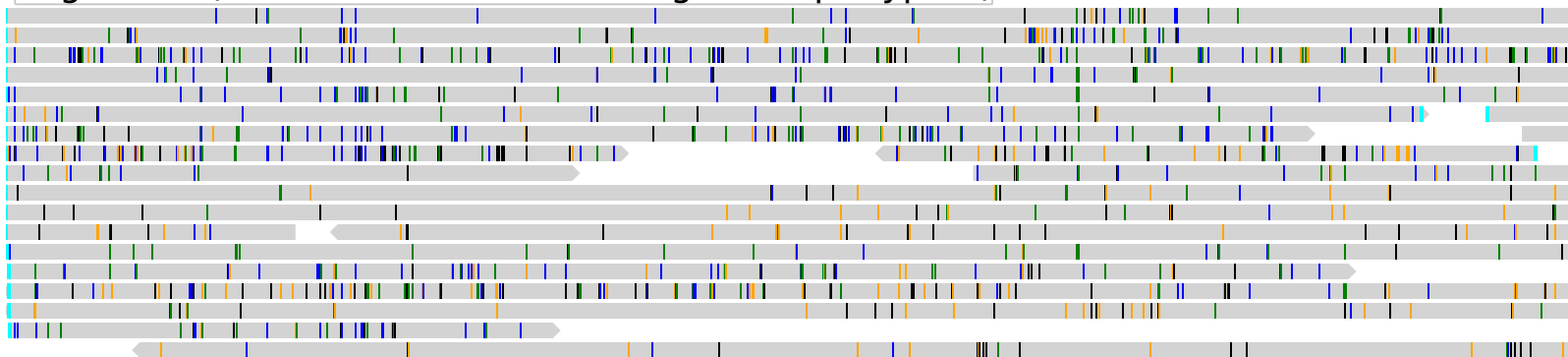
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

**HLA-DOA\*01:01:02:15 (identity: 100.00%)**

**Sample: NA12892**

**Locus: HLA-DOA**

**Resolution: 4th field**

**Full typing result:**

**HLA-DOA\*01:01:02:20**

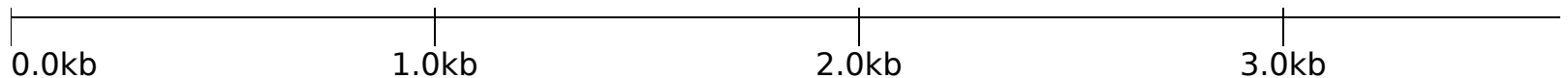
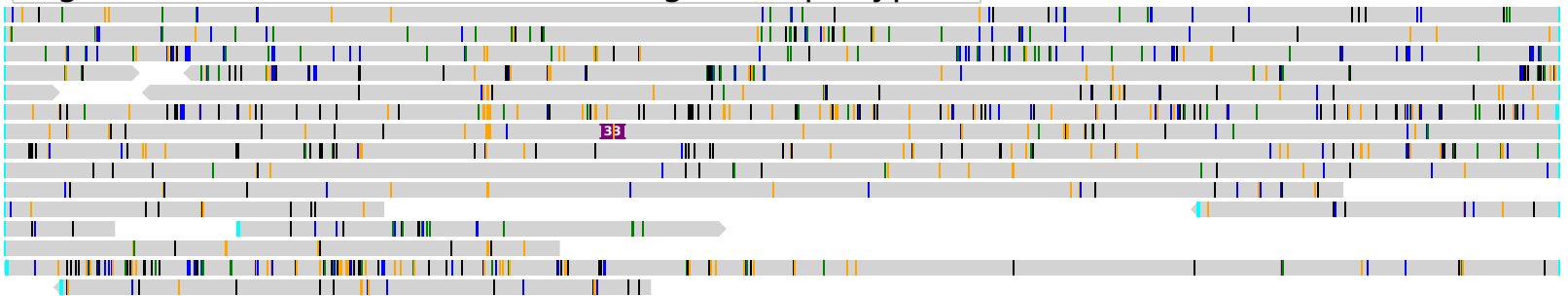
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



**HLA-DOA\*01:01:02:20 (identity: 100.00%)**



Sample: NA12892

Locus: HLA-DOB

Resolution: 4th field

Full typing result:

HLA-DOB\*01:05

HLA-DOB\*01:01:01:04

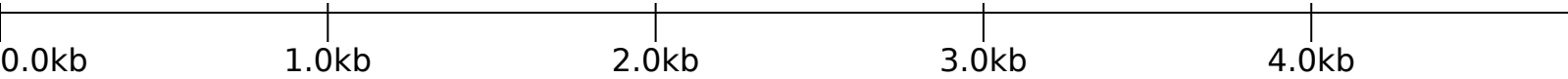
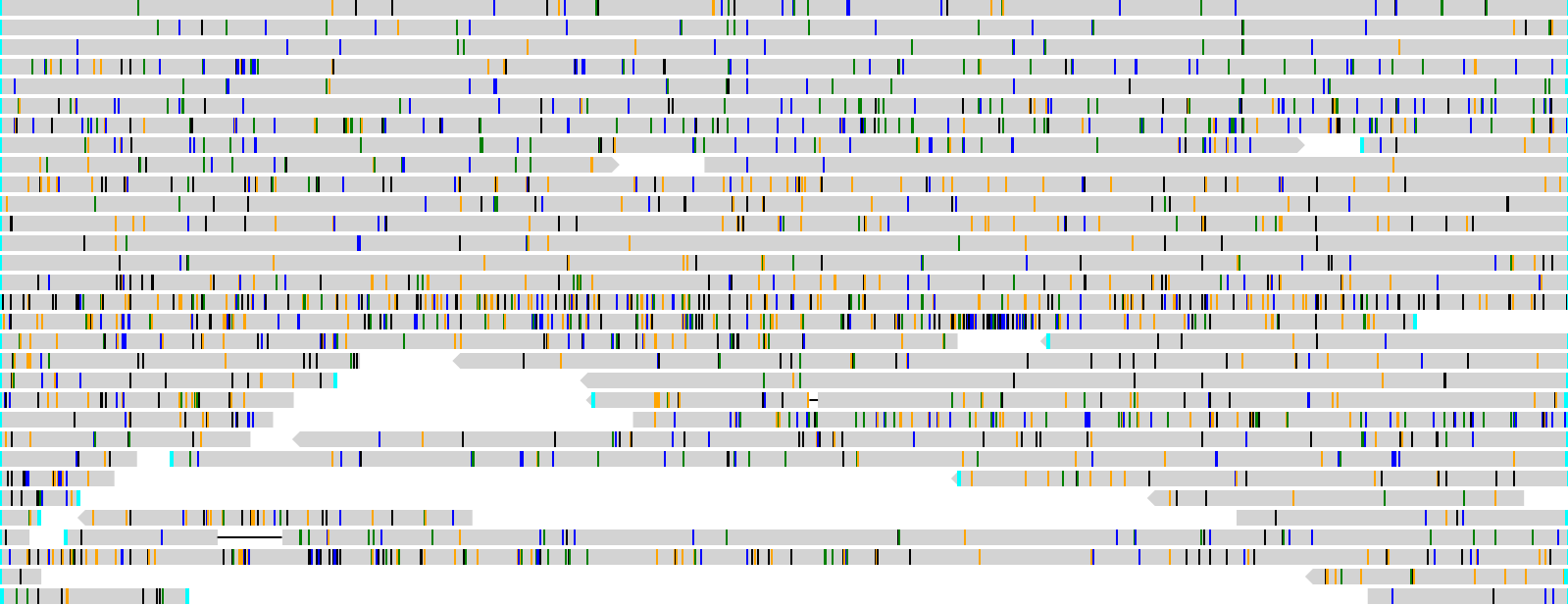
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DOB\*01:05 (identity: 99.96%)



HLA-DOB\*01:01:01:04 (identity: 99.94%)



**Sample: NA12892**

**Locus: HLA-DPA1**

**Resolution: 4th field**

**Full typing result:**

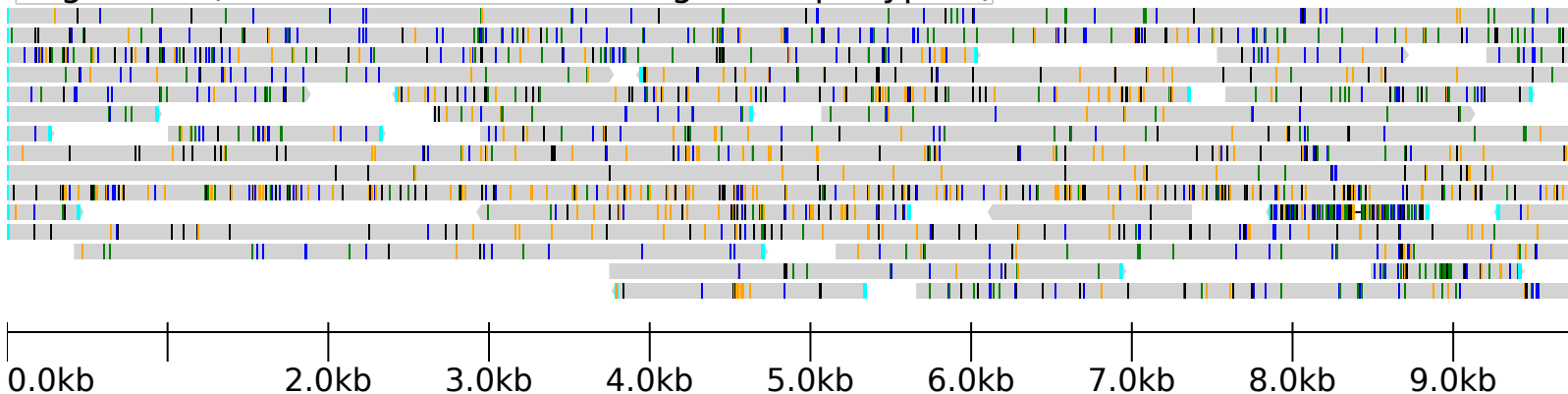
**HLA-DPA1\*01:03:01:03**

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 1)



HLA-DPA1\*01:03:01:03 (identity: 100.00%)

Sample: NA12892

Locus: HLA-DPA1

Resolution: 4th field

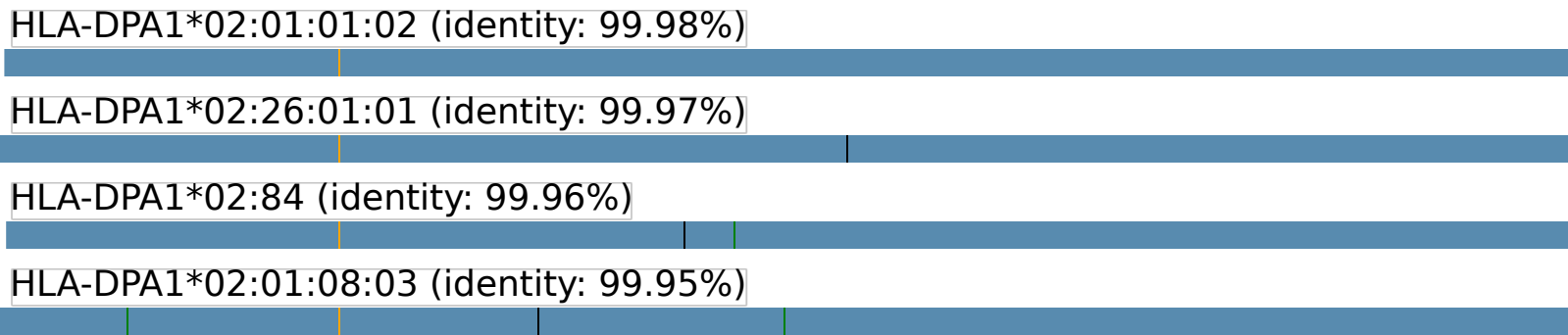
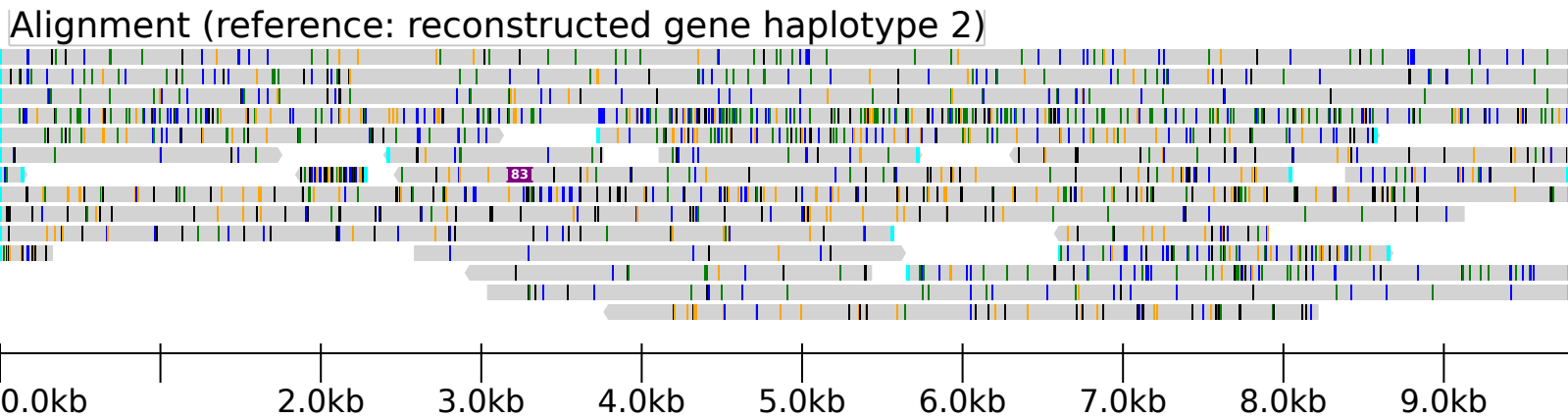
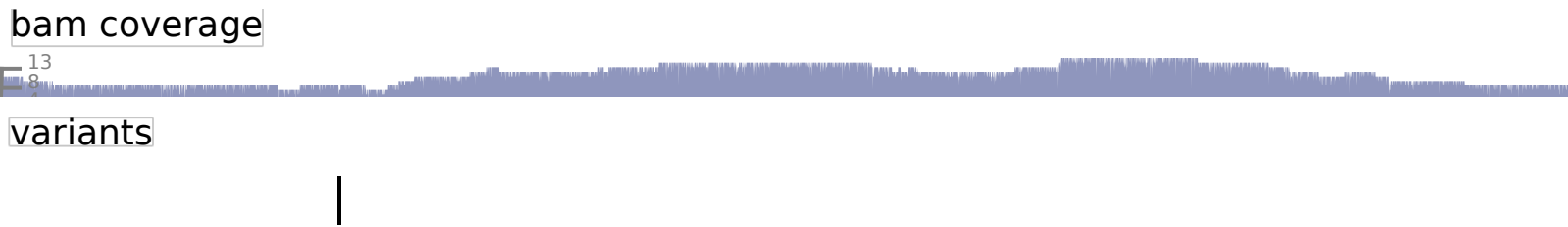
Full typing result:

HLA-DPA1\*02:01:01:02

HLA-DPA1\*02:26:01:01

HLA-DPA1\*02:84

HLA-DPA1\*02:01:08:03





Sample: NA12892

Locus: HLA-DPA2

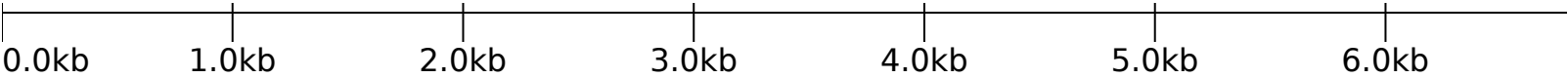
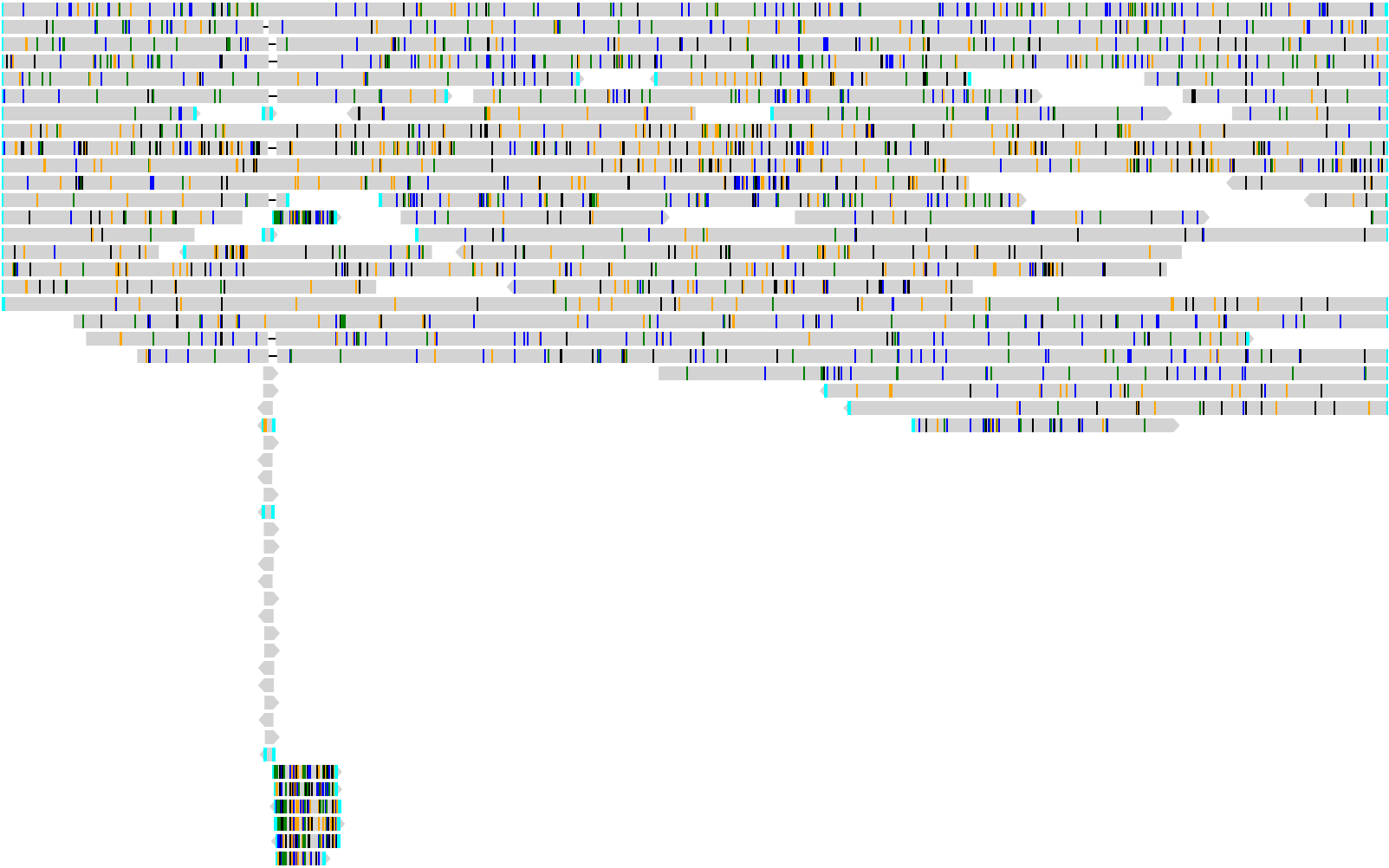
Resolution: 4th field

Full typing result:

HLA-DPA2\*01:01:02



Alignment (reference: reconstructed gene haplotype 1)



HLA-DPA2\*01:01:02 (identity: 100.00%)

Sample: NA12892

Locus: HLA-DPB1

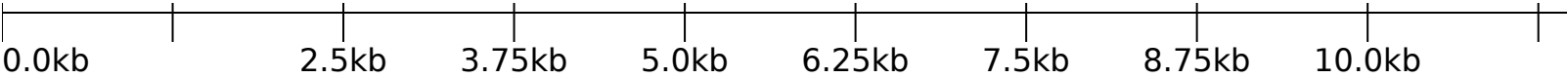
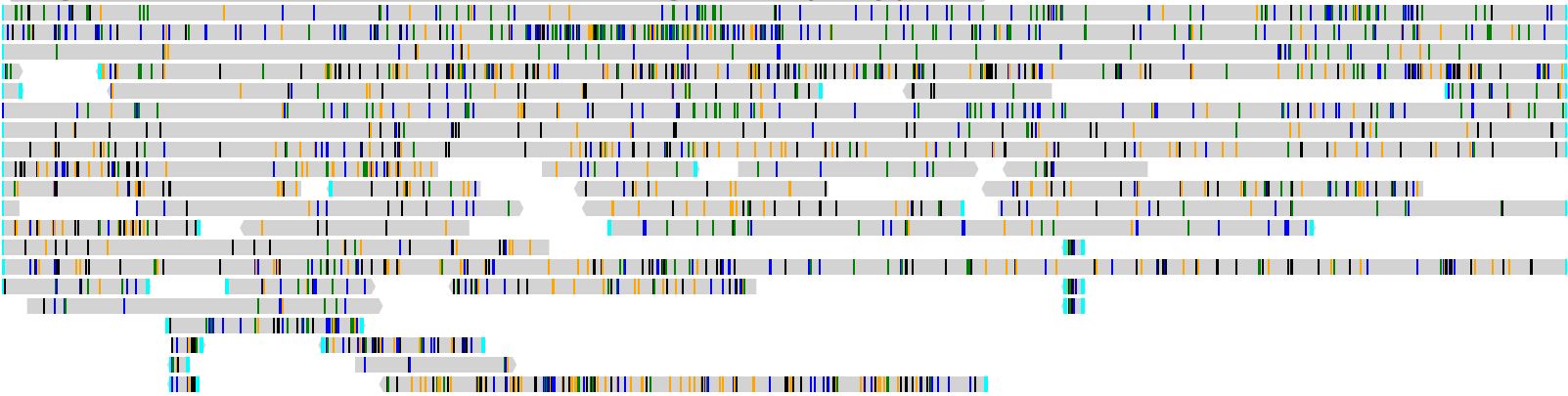
Resolution: 4th field

Full typing result:

- HLA-DPB1\*06:01:01:01
- HLA-DPB1\*06:01:01:03
- HLA-DPB1\*06:01:01:02
- HLA-DPB1\*06:01:01:04
- HLA-DPB1\*06:01:01:05
- HLA-DPB1\*06:01:01:06
- HLA-DPB1\*06:01:01:08
- HLA-DPB1\*06:01:04
- HLA-DPB1\*1251:01
- HLA-DPB1\*1259:01



Alignment (reference: reconstructed gene haplotype 1)



- HLA-DPB1\*06:01:01:01 (identity: 99.99%)
- HLA-DPB1\*06:01:01:03 (identity: 99.99%)
- HLA-DPB1\*06:01:01:02 (identity: 99.98%)
- HLA-DPB1\*06:01:01:04 (identity: 99.98%)
- HLA-DPB1\*06:01:01:05 (identity: 99.98%)
- HLA-DPB1\*06:01:01:06 (identity: 99.98%)
- HLA-DPB1\*06:01:01:08 (identity: 99.98%)
- HLA-DPB1\*06:01:04 (identity: 99.98%)
- HLA-DPB1\*1251:01 (identity: 99.98%)
- HLA-DPB1\*1259:01 (identity: 99.98%)

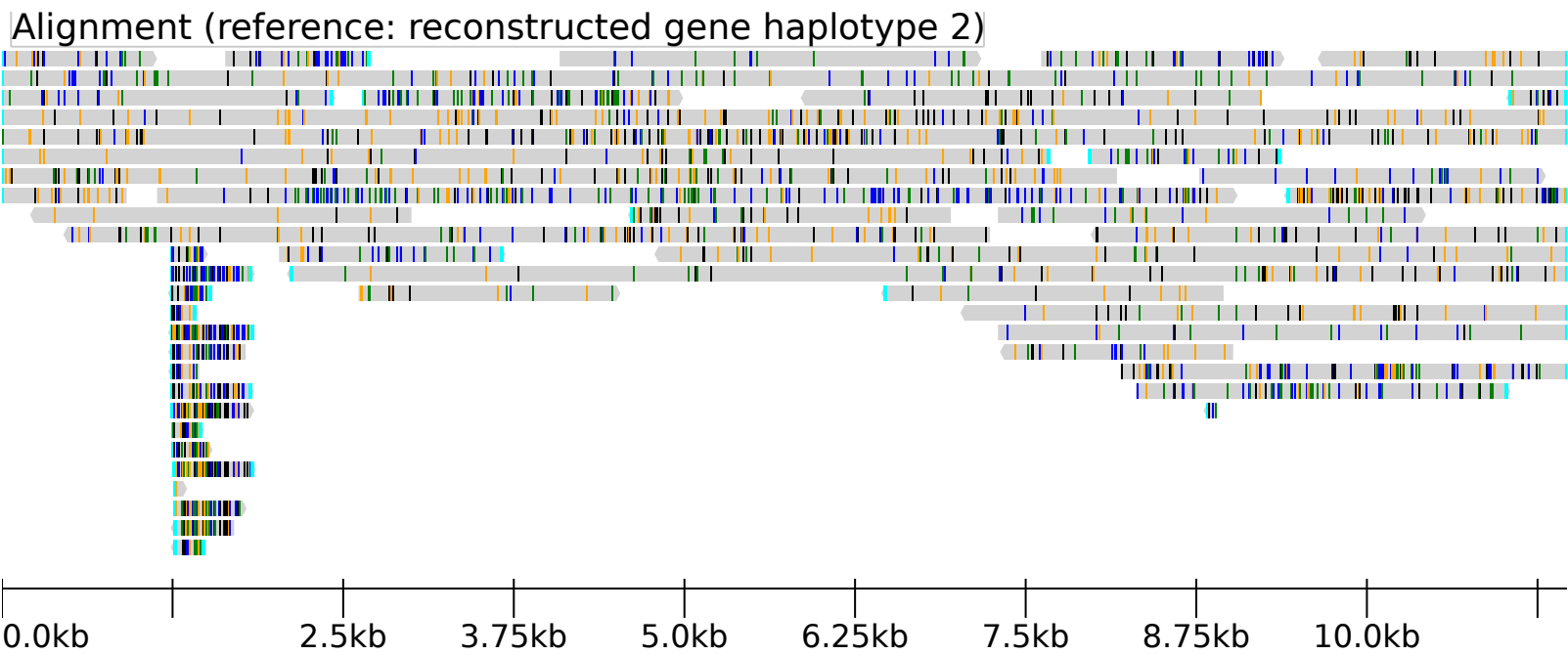
Sample: NA12892

Locus: HLA-DPB1

Resolution: 4th field

Full typing result:

- HLA-DPB1\*14:01:01:01HLA-DPB1\*1384:01HLA-DPB1\*1395:01
- HLA-DPB1\*1414:01HLA-DPB1\*14:01:01:02HLA-DPB1\*14:01:01:03
- HLA-DPB1\*14:01:01:05HLA-DPB1\*14:01:01:06HLA-DPB1\*14:01:01:07
- HLA-DPB1\*14:01:01:08



HLA-DPB1*14:01:01:01 (identity: 100.00%)	
HLA-DPB1*1384:01 (identity: 99.99%)	
HLA-DPB1*1395:01 (identity: 99.99%)	
HLA-DPB1*1414:01 (identity: 99.99%)	
HLA-DPB1*14:01:01:02 (identity: 99.99%)	
HLA-DPB1*14:01:01:03 (identity: 99.99%)	
HLA-DPB1*14:01:01:05 (identity: 99.99%)	
HLA-DPB1*14:01:01:06 (identity: 99.99%)	
HLA-DPB1*14:01:01:07 (identity: 99.99%)	
HLA-DPB1*14:01:01:08 (identity: 99.99%)	

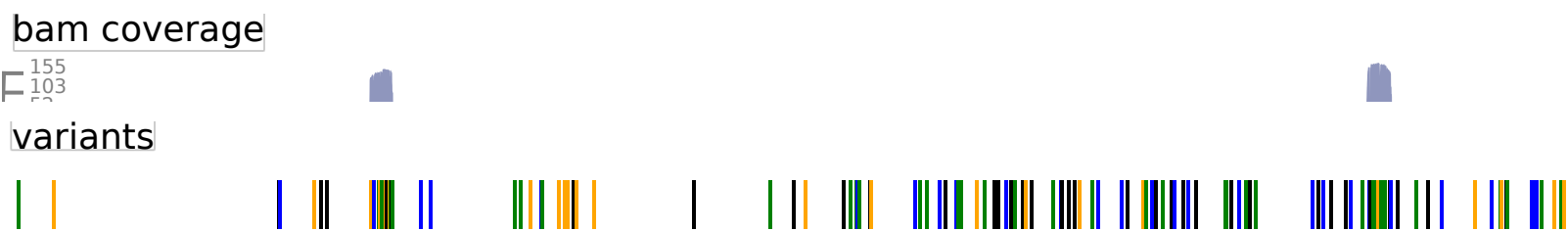
Sample: NA12892

Locus: HLA-DPB2

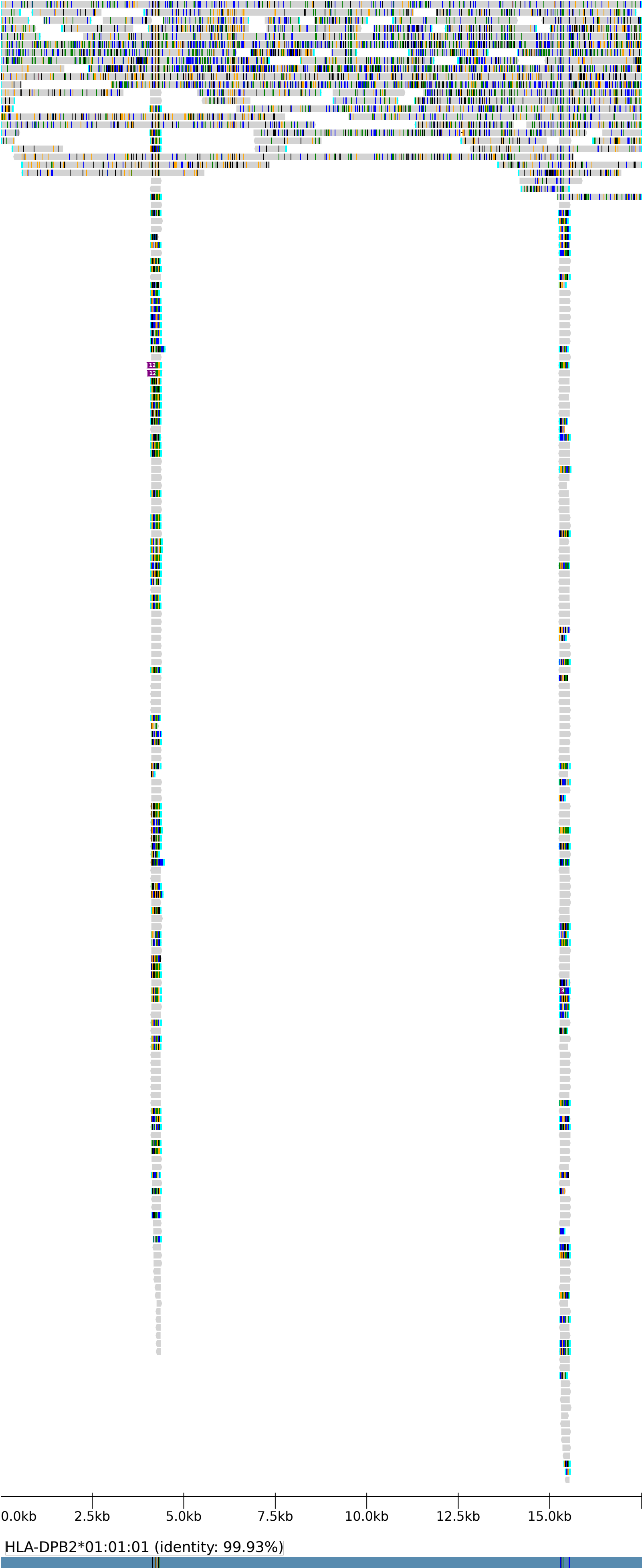
Resolution: 4th field

Full typing result:

HLA-DPB2\*01:01:01



Alignment (reference: reconstructed gene haplotype 1)



HLA-DPB2\*01:01:01 (identity: 99.93%)



Sample: NA12892

Locus: HLA-DQA1

Resolution: 4th field

Full typing result:

HLA-DQA1\*01:01:01:01

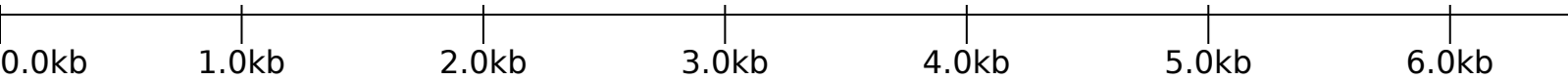
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DQA1\*01:01:01:01 (identity: 100.00%)

Sample: NA12892

Locus: HLA-DQA2

Resolution: 4th field

Full typing result:

HLA-DQA2\*01:01:02:01

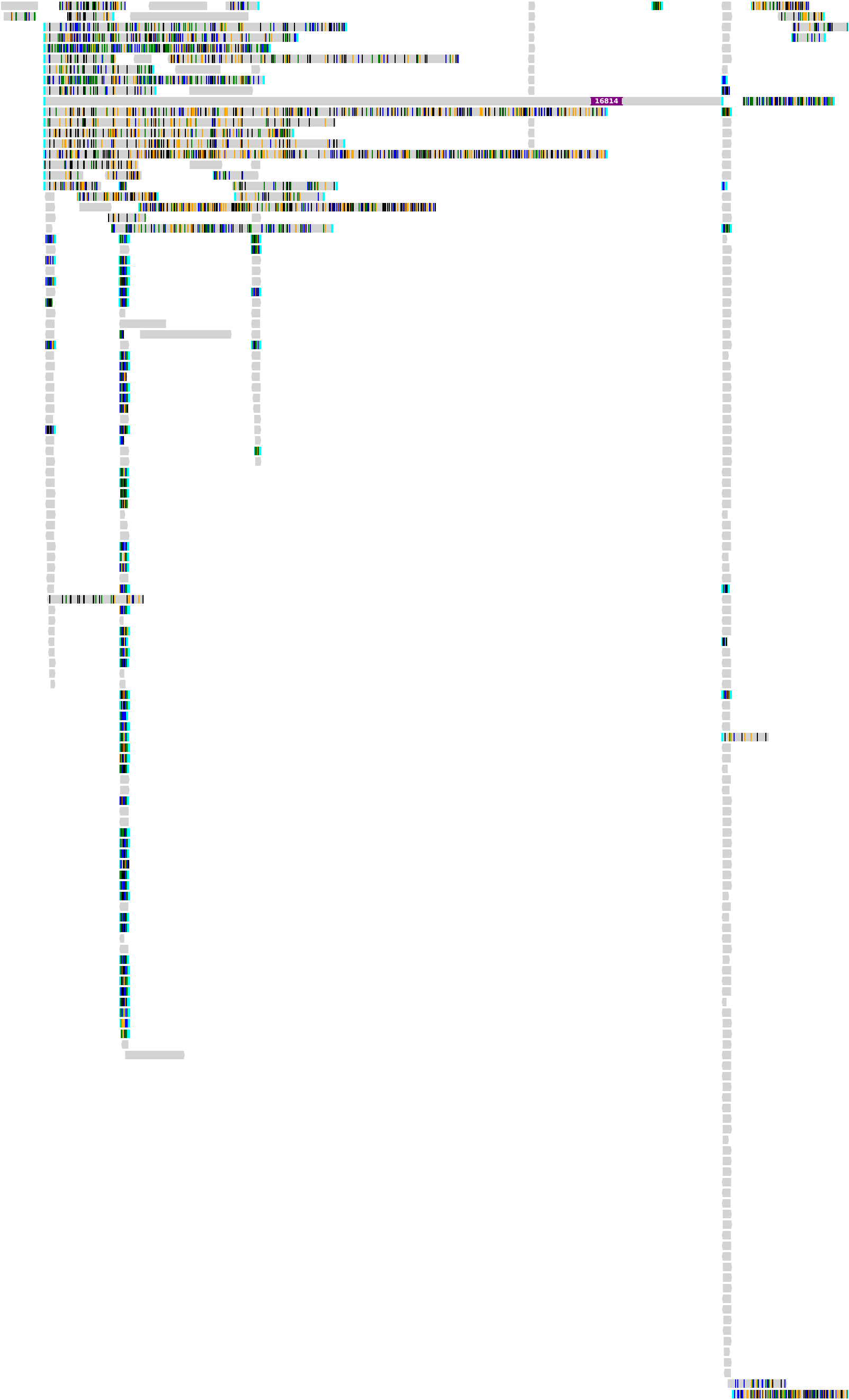
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb 5.0kb 7.5kb 12.5kb 17.5kb 22.5kb 27.5kb

HLA-DQA2\*01:01:02:01 (identity: 97.64%)



**Sample: NA12892**

**Locus: HLA-DQB1**

**Resolution: 4th field**

**Full typing result:**

**HLA-DQB1\*05:01:01:03**

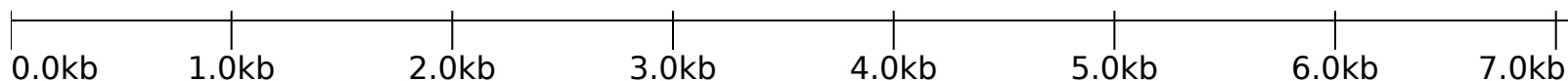
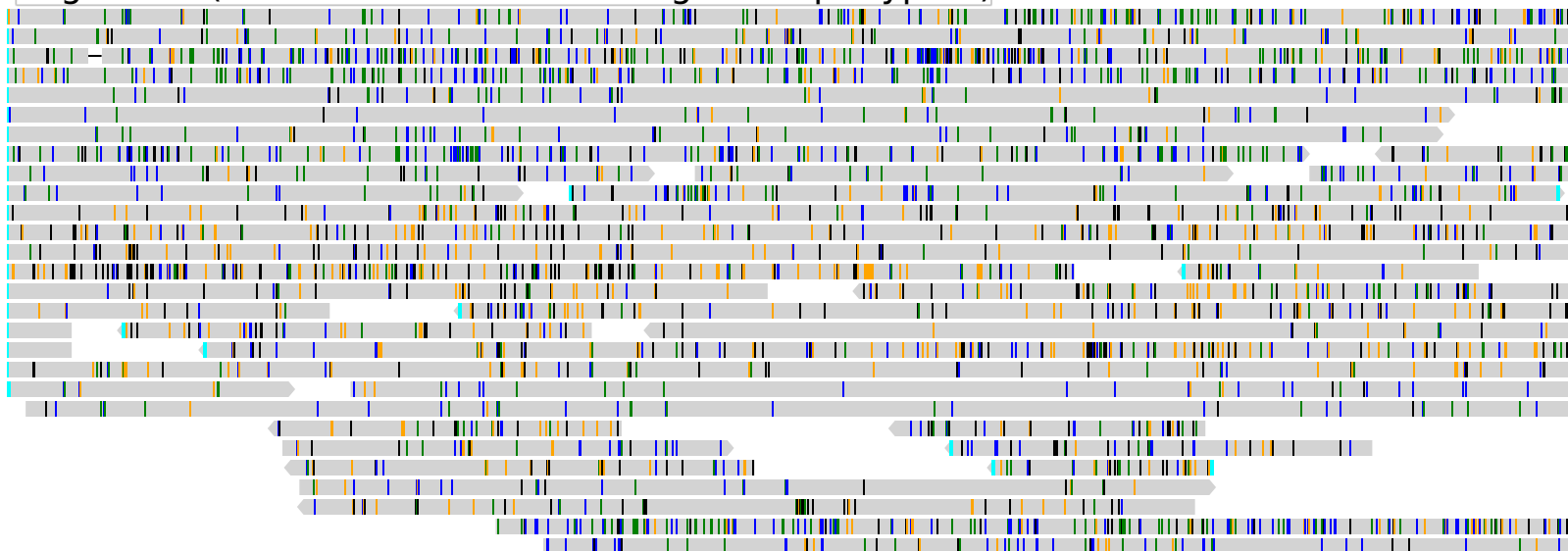
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



**HLA-DQB1\*05:01:01:03 (identity: 100.00%)**



Sample: NA12892

Locus: HLA-DQB2

Resolution: 4th field

Full typing result:

HLA-DQB2\*01:01:01:01

HLA-DQB2\*01:01:01:15

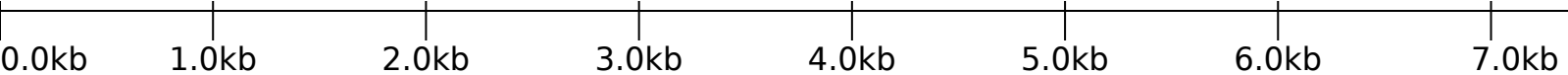
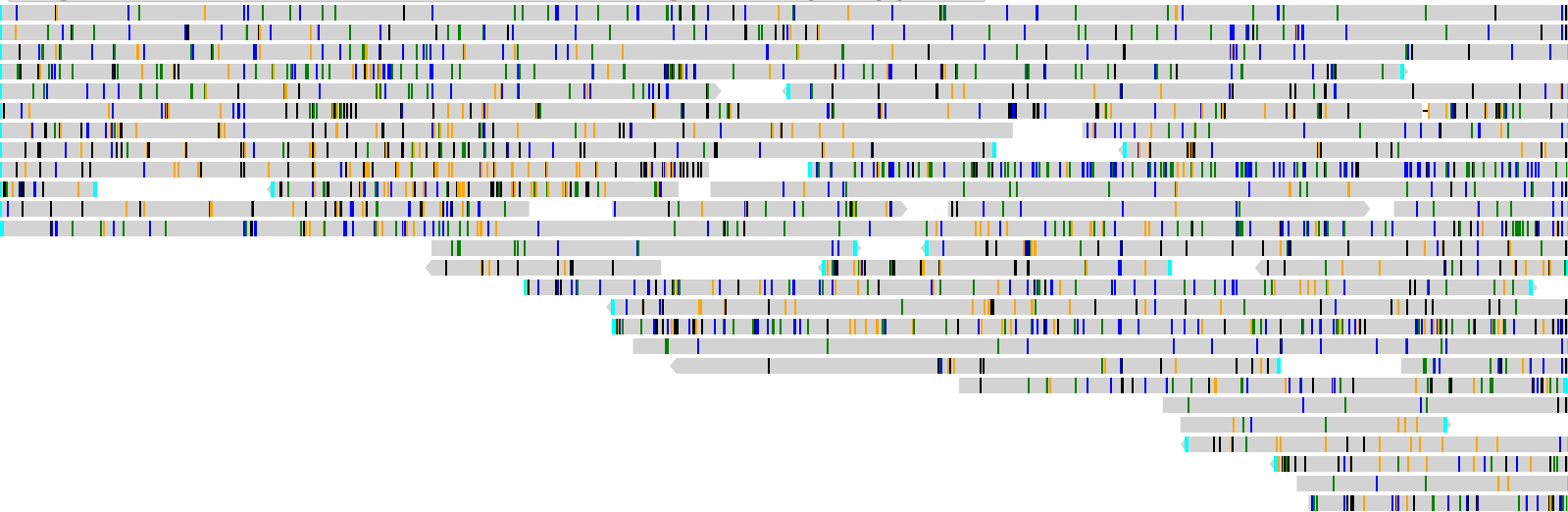
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DQB2\*01:01:01:01 (identity: 100.00%)

HLA-DQB2\*01:01:01:15 (identity: 99.99%)



Sample: NA12892

Locus: HLA-DRA

Resolution: 4th field

Full typing result:

HLA-DRA\*01:01:01:05

bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb 2.0kb 3.0kb 4.0kb 5.0kb 6.0kb 7.0kb 8.0kb

HLA-DRA\*01:01:01:05 (identity: 50.50%)



Sample: NA12892

Locus: HLA-DRB1

Resolution: 4th field

Full typing result:

HLA-DRB1*04:01:01:11	HLA-DRB1*04:38:01:02	HLA-DRB1*04:01:01:18
HLA-DRB1*04:01:01:06	HLA-DRB1*04:08:01:03	HLA-DRB1*04:05:01:02
HLA-DRB1*04:01:01:04	HLA-DRB1*04:01:01:12	HLA-DRB1*04:01:01:02
HLA-DRB1*04:01:01:09	HLA-DRB1*04:05:01:01	HLA-DRB1*04:09:01:02
HLA-DRB1*04:03:01:05	HLA-DRB1*04:01:01:16	HLA-DRB1*04:01:01:14
HLA-DRB1*04:01:01:08	HLA-DRB1*04:01:01:19	HLA-DRB1*04:03:01:02
HLA-DRB1*04:03:01:04	HLA-DRB1*04:01:01:01	HLA-DRB1*04:04:01:11
HLA-DRB1*04:01:01:03	HLA-DRB1*04:01:01:17	

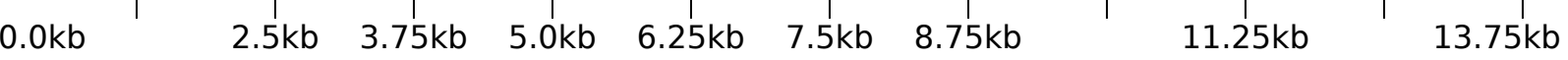
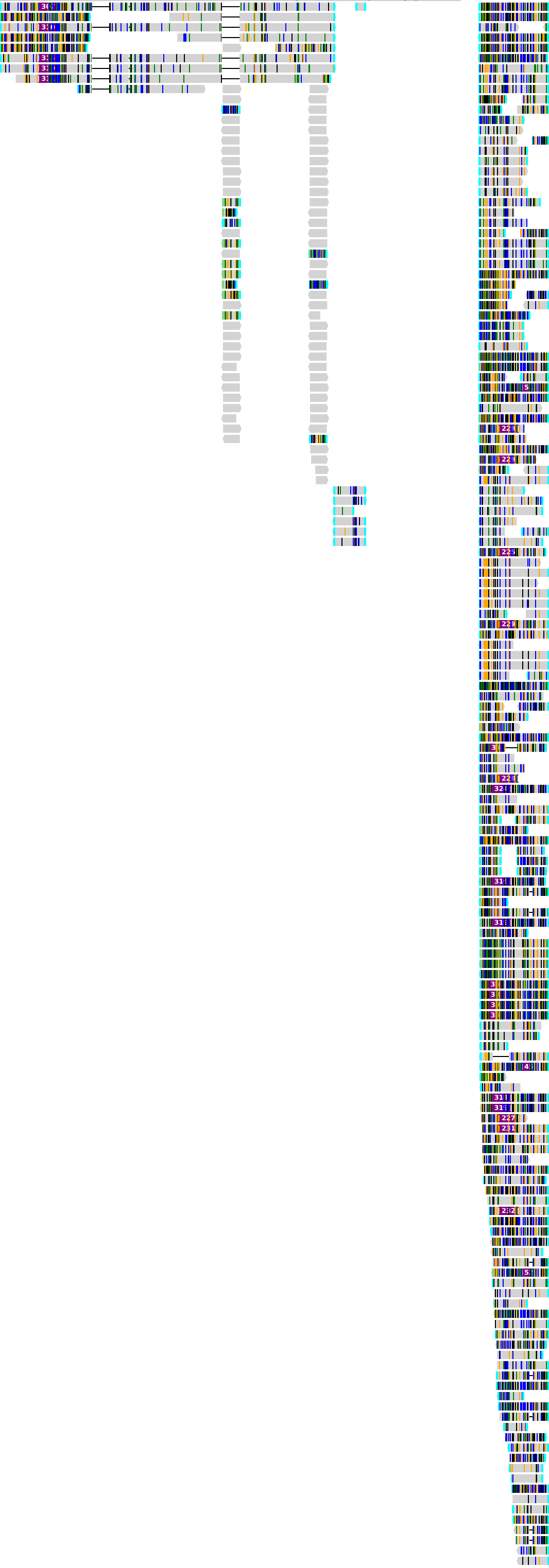
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



HLA-DRB1*04:01:01:11 (identity: 78.18%)	
HLA-DRB1*04:38:01:02 (identity: 78.19%)	
HLA-DRB1*04:01:01:18 (identity: 78.18%)	
HLA-DRB1*04:01:01:06 (identity: 78.19%)	
HLA-DRB1*04:08:01:03 (identity: 78.19%)	
HLA-DRB1*04:05:01:02 (identity: 78.01%)	
HLA-DRB1*04:01:01:04 (identity: 78.18%)	
HLA-DRB1*04:01:01:12 (identity: 78.18%)	
HLA-DRB1*04:01:01:02 (identity: 78.19%)	
HLA-DRB1*04:01:01:09 (identity: 78.18%)	

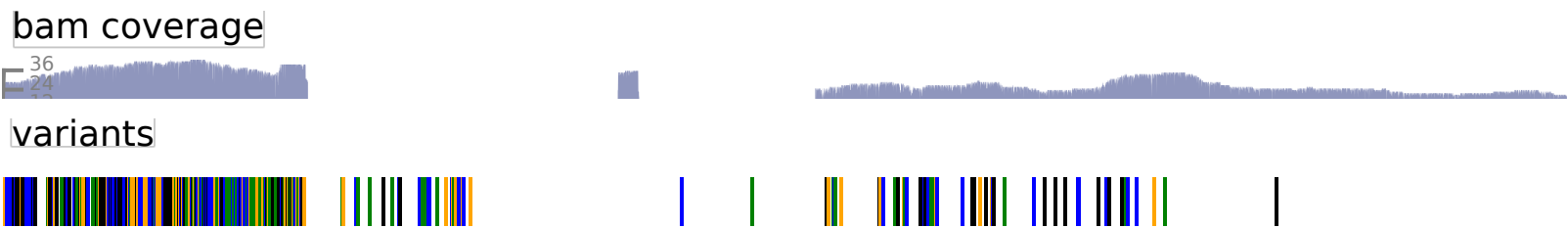
Sample: NA12892

Locus: HLA-DRB1

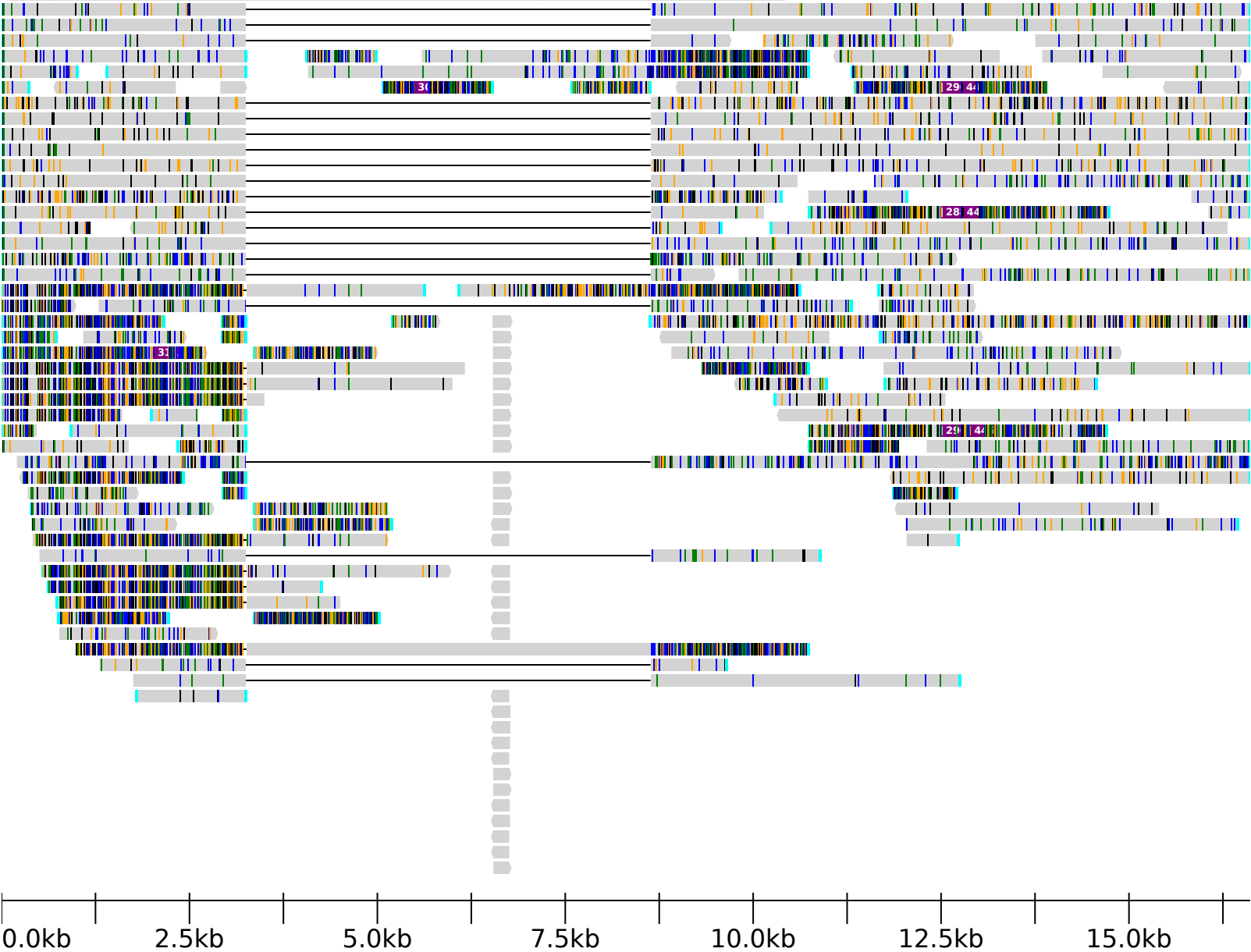
Resolution: 4th field

Full typing result:

HLA-DRB1\*01:01:01:01



Alignment (reference: reconstructed gene haplotype 1)



HLA-DRB1\*01:01:01:01 (identity: 51.47%)

Sample: NA12892

Locus: HLA-DRB3

Resolution: 4th field

Full typing result:

HLA-DRB3\*01:01:02:05    HLA-DRB3\*01:01:02:06

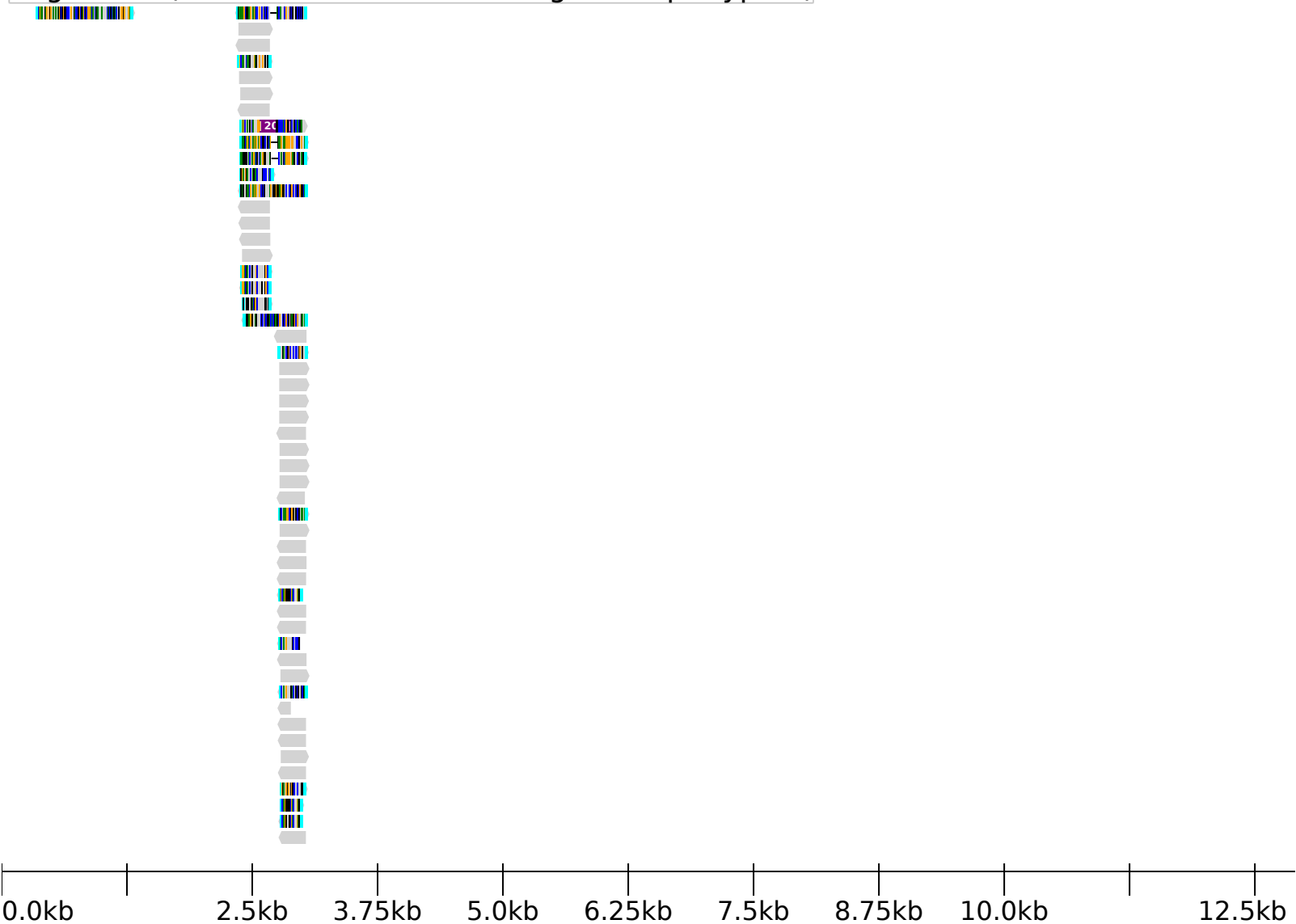
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DRB3\*01:01:02:05 (identity: 73.21%)



HLA-DRB3\*01:01:02:06 (identity: 73.21%)



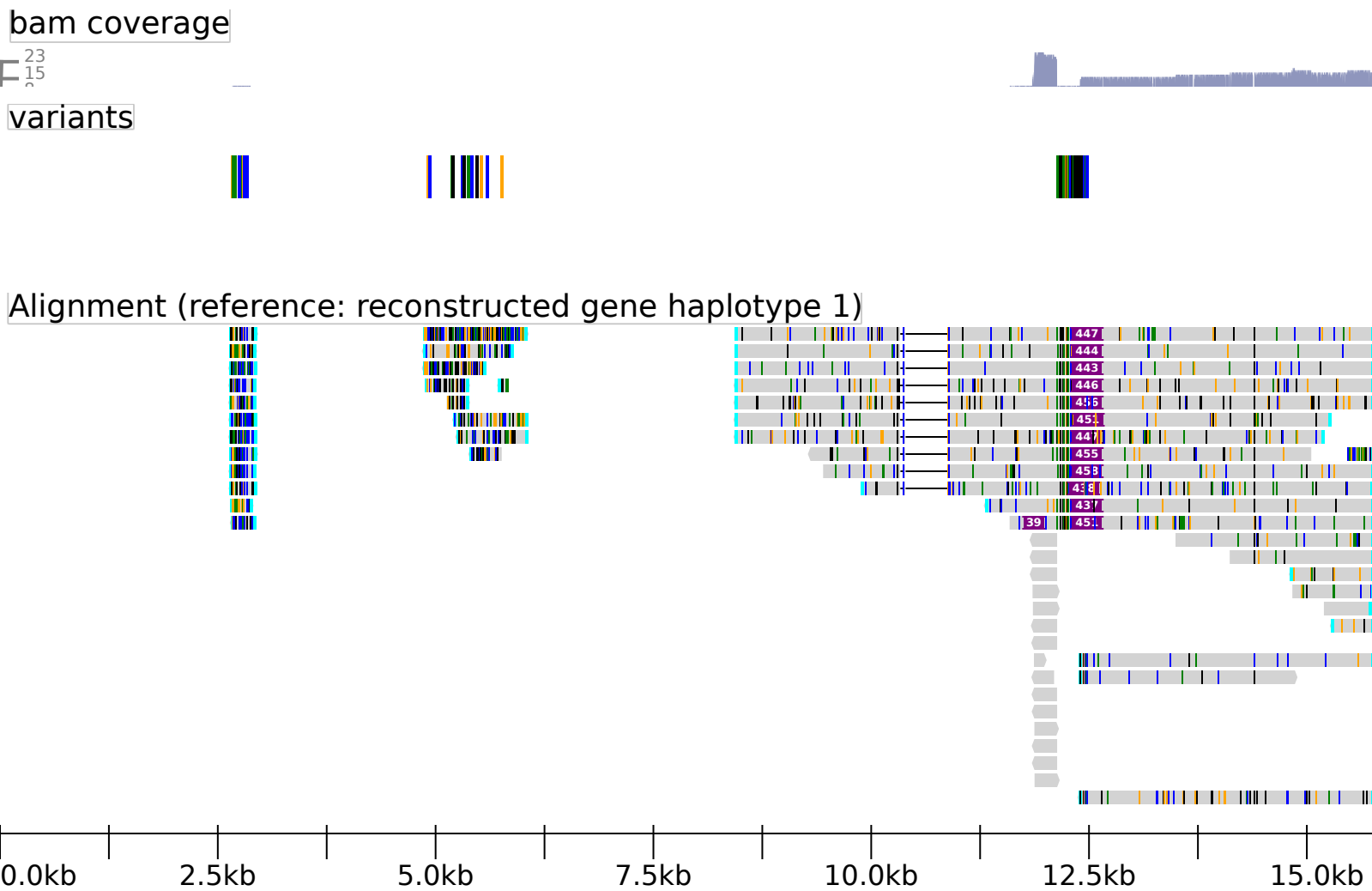
Sample: NA12892

Locus: HLA-DRB4

Resolution: 4th field

Full typing result:

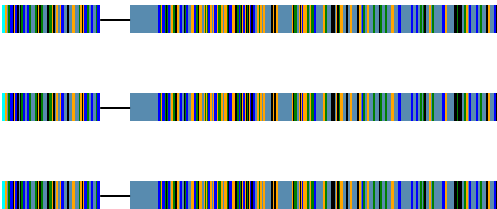
HLA-DRB4\*01:03:01:03    HLA-DRB4\*01:03:01:18    HLA-DRB4\*01:03:01:01



HLA-DRB4\*01:03:01:03 (identity: 87.69%)

HLA-DRB4\*01:03:01:18 (identity: 87.69%)

HLA-DRB4\*01:03:01:01 (identity: 87.69%)



Sample: NA12892

Locus: HLA-DRB4

Resolution: 4th field

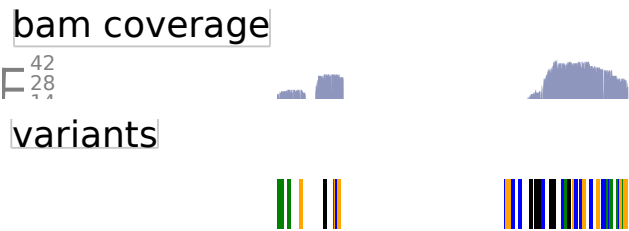
Full typing result:

HLA-DRB4\*01:01:12

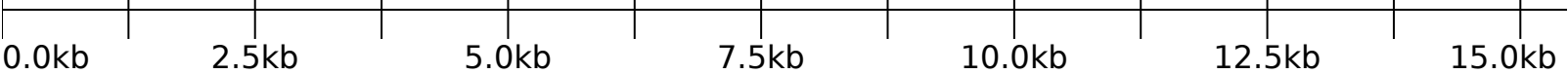
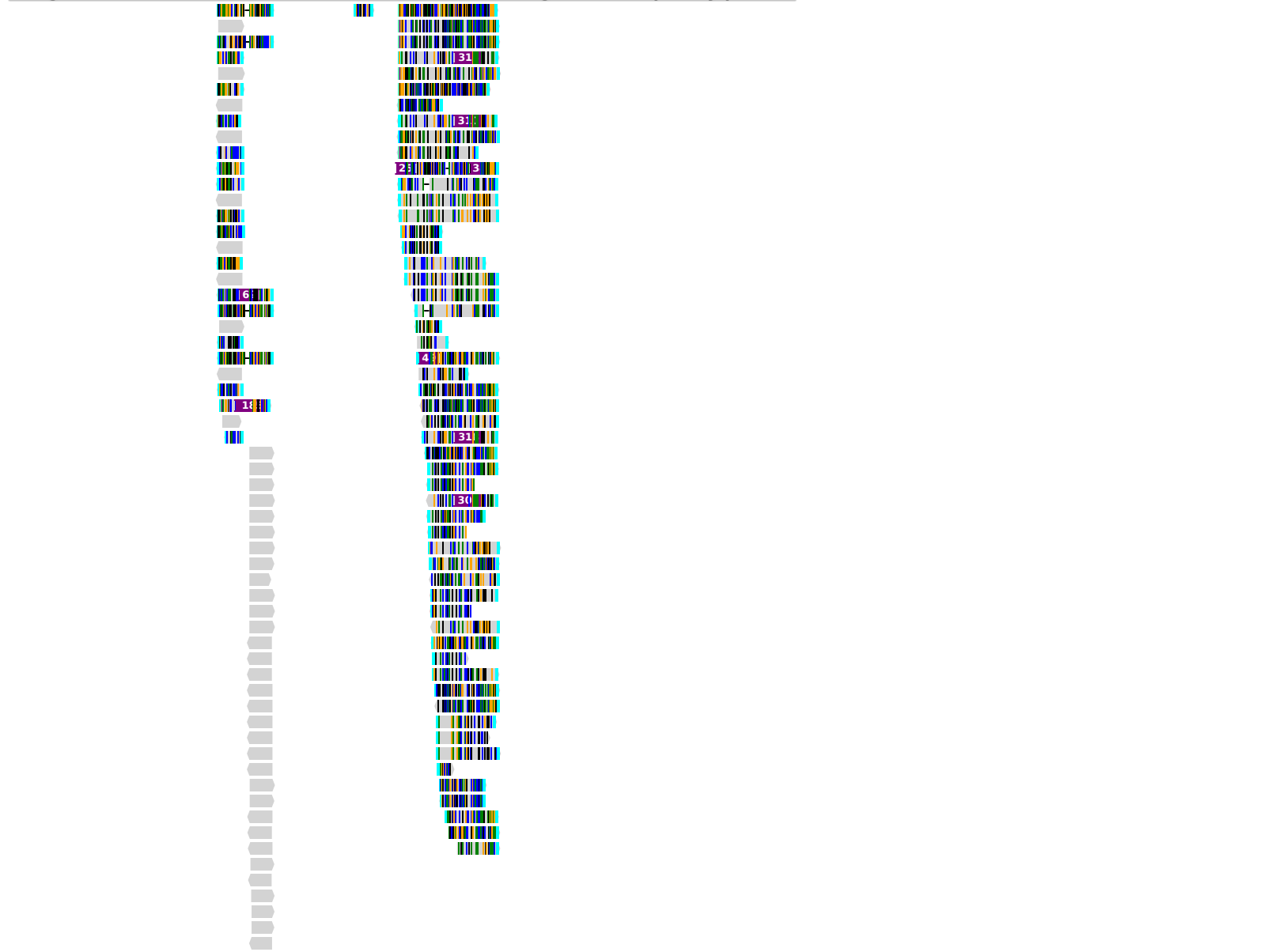
HLA-DRB4\*02:01N

HLA-DRB4\*01:01:01:01

HLA-DRB4\*01:01:01:04



Alignment (reference: reconstructed gene haplotype 2)



HLA-DRB4\*01:01:12 (identity: 87.70%)

HLA-DRB4\*02:01N (identity: 87.70%)

HLA-DRB4\*01:01:01:01 (identity: 87.70%)

HLA-DRB4\*01:01:01:04 (identity: 87.70%)

**Sample: NA12892**

**Locus: HLA-DRB5**

**Resolution: 4th field**

**Full typing result:**

HLA-DRB5\*01:01:01:01

HLA-DRB5\*01:131N

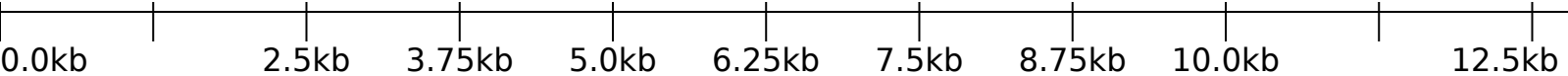
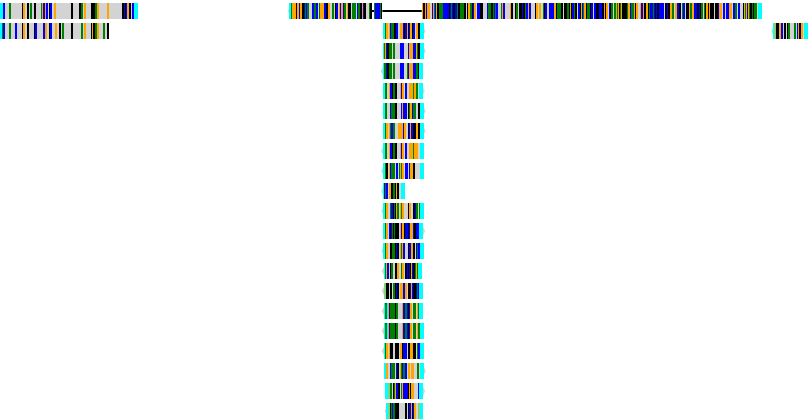
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



HLA-DRB5\*01:01:01:01 (identity: 69.73%)



HLA-DRB5\*01:131N (identity: 69.70%)



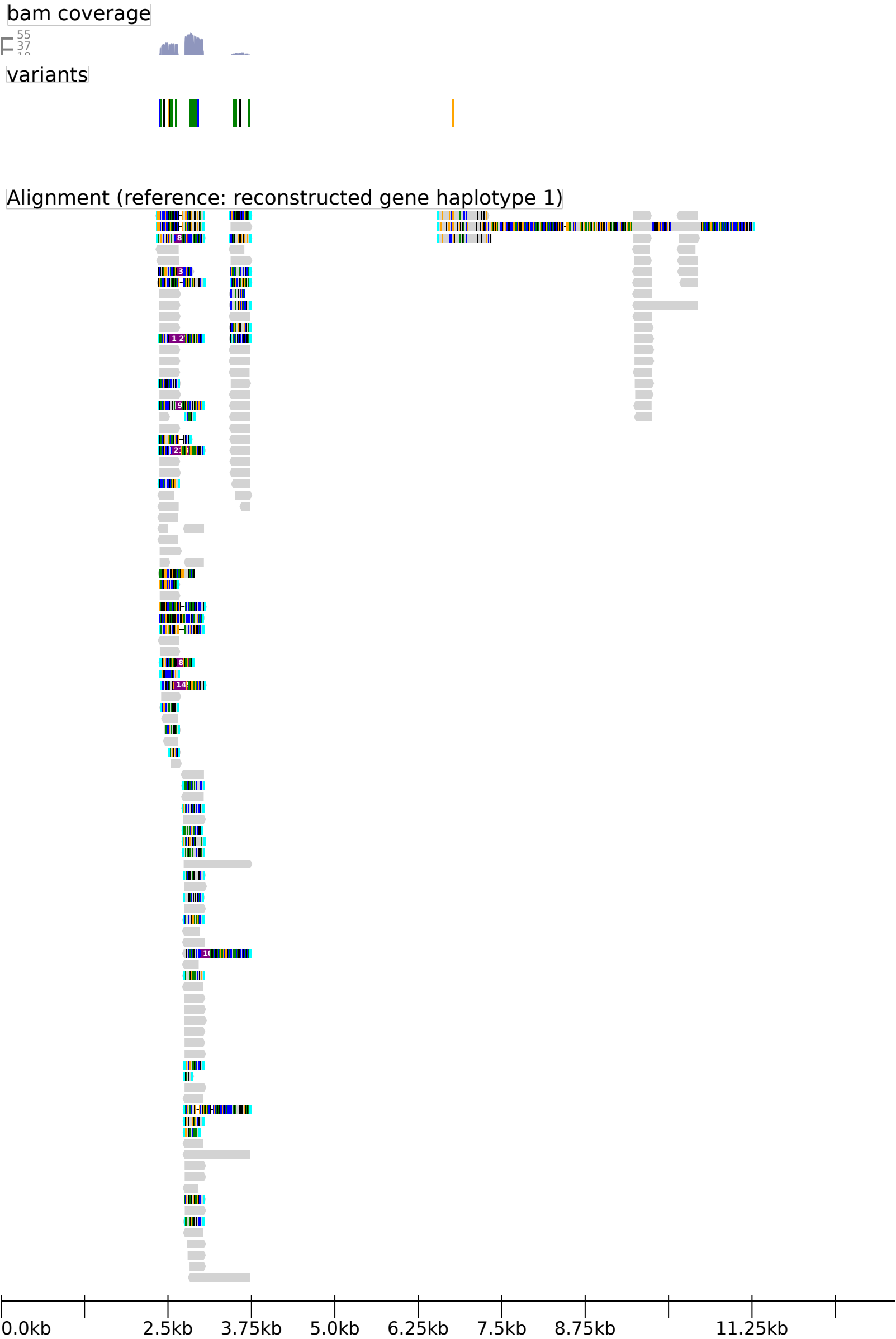
Sample: NA12892

Locus: HLA-DRB5

Resolution: 4th field

Full typing result:

HLA-DRB5\*02:02:01





Sample: NA12892

Locus: HLA-E

Resolution: 4th field

Full typing result:

HLA-E\*01:01:01:01



HLA-E\*01:01:01:01 (identity: 21.69%)

Sample: NA12892

Locus: HLA-E

Resolution: 4th field

Full typing result:

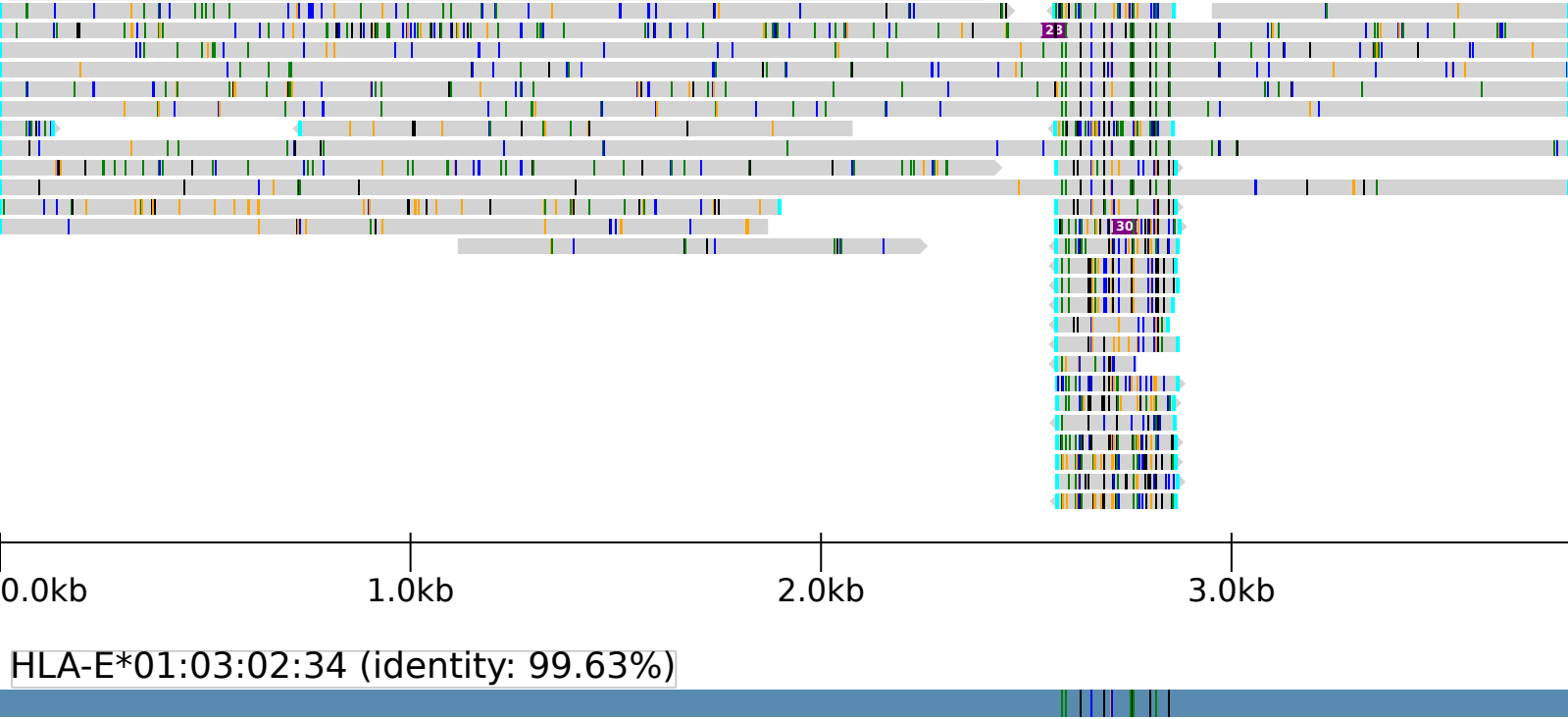
HLA-E\*01:03:02:34

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



**Sample: NA12892**

**Locus: HLA-F**

**Resolution: 4th field**

**Full typing result:**

**HLA-F\*01:01:01:01**

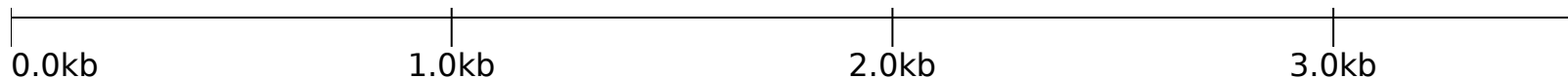
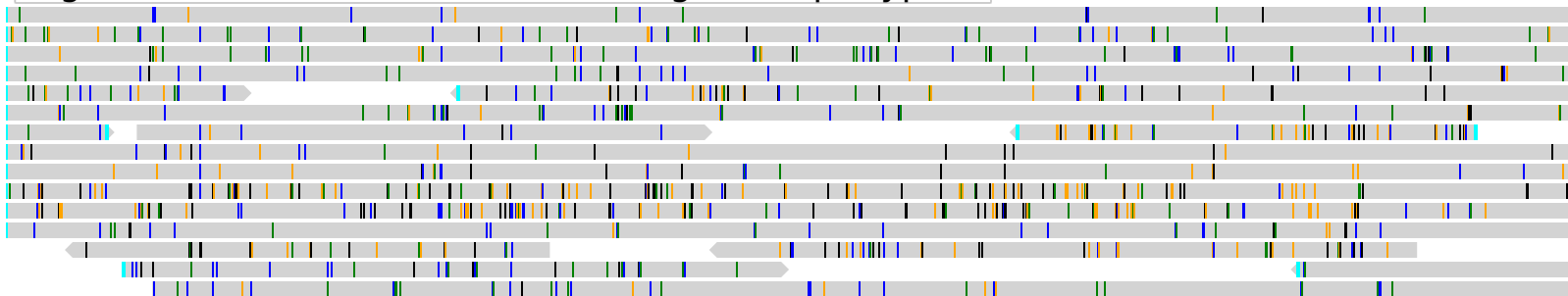
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



HLA-F\*01:01:01:01 (identity: 99.97%)



**Sample: NA12892**

**Locus: HLA-F**

**Resolution: 4th field**

**Full typing result:**

**HLA-F\*01:01:02:09**

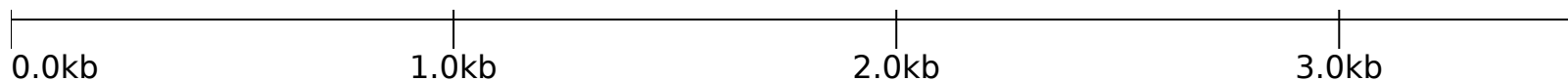
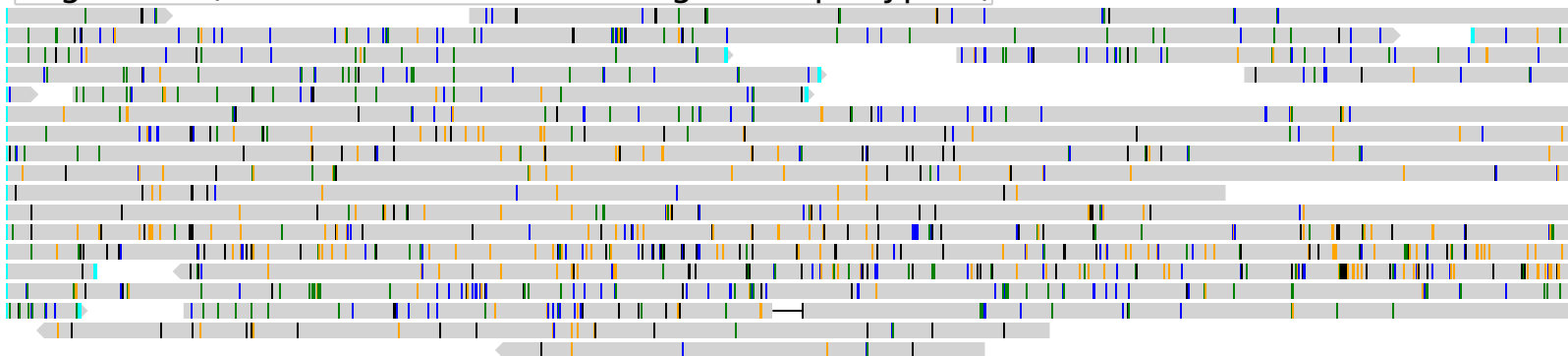
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-F\*01:01:02:09 (identity: 99.97%)



**Sample: NA12892**

**Locus: HLA-G**

**Resolution: 4th field**

**Full typing result:**

**HLA-G\*01:01:01:01**

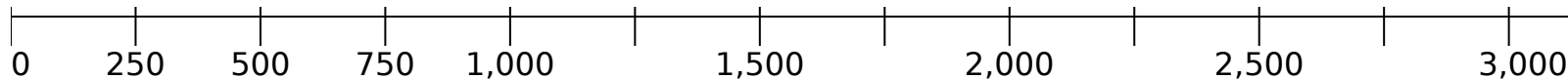
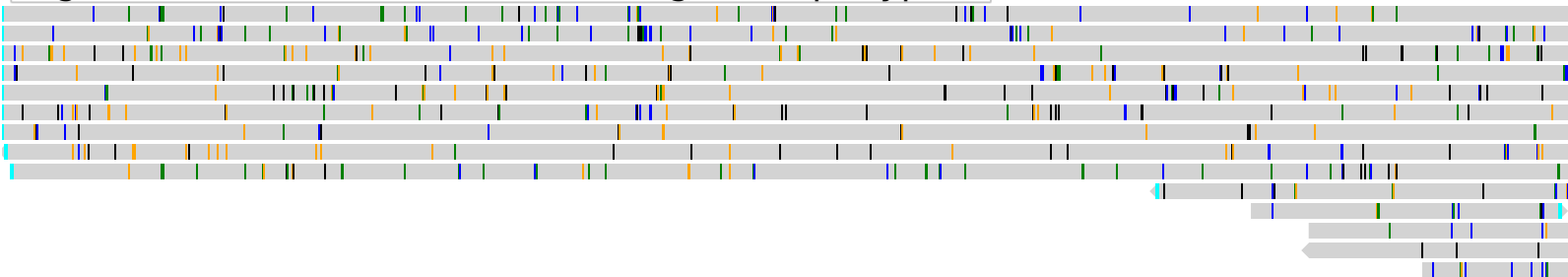
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



**HLA-G\*01:01:01:01 (identity: 99.97%)**



**Sample: NA12892**

**Locus: HLA-G**

**Resolution: 4th field**

**Full typing result:**

**HLA-G\*01:01:03:03**

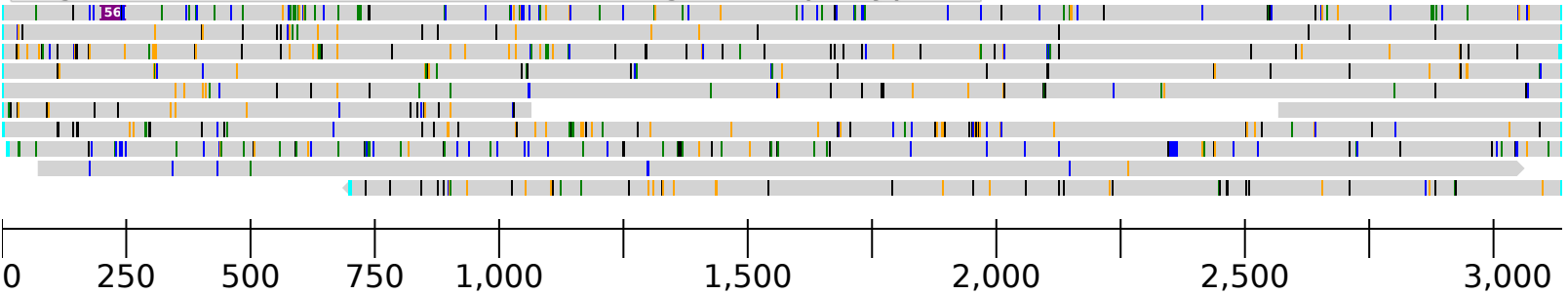
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



HLA-G\*01:01:03:03 (identity: 100.00%)

**Sample: NA12892**

**Locus: HLA-H**

**Resolution: 4th field**

**Full typing result:**

**HLA-H\*01:01:01:01**

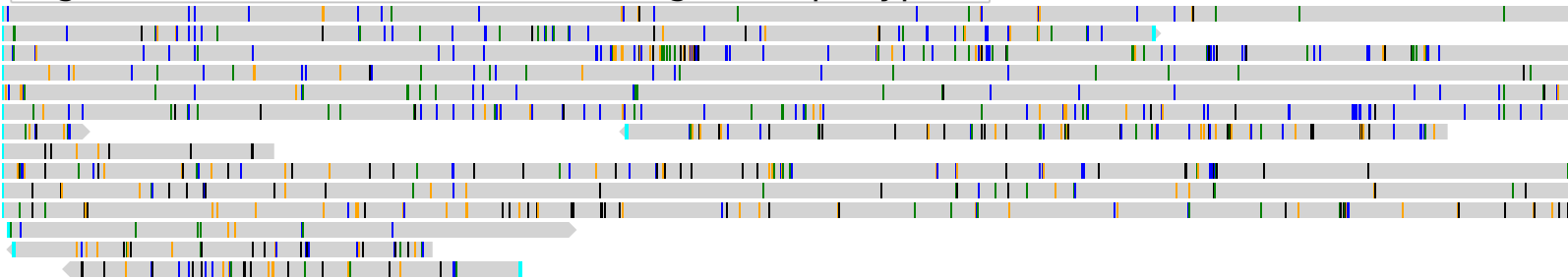
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-H\*01:01:01:01 (identity: 100.00%)



**Sample: NA12892**

**Locus: HLA-H**

**Resolution: 4th field**

**Full typing result:**

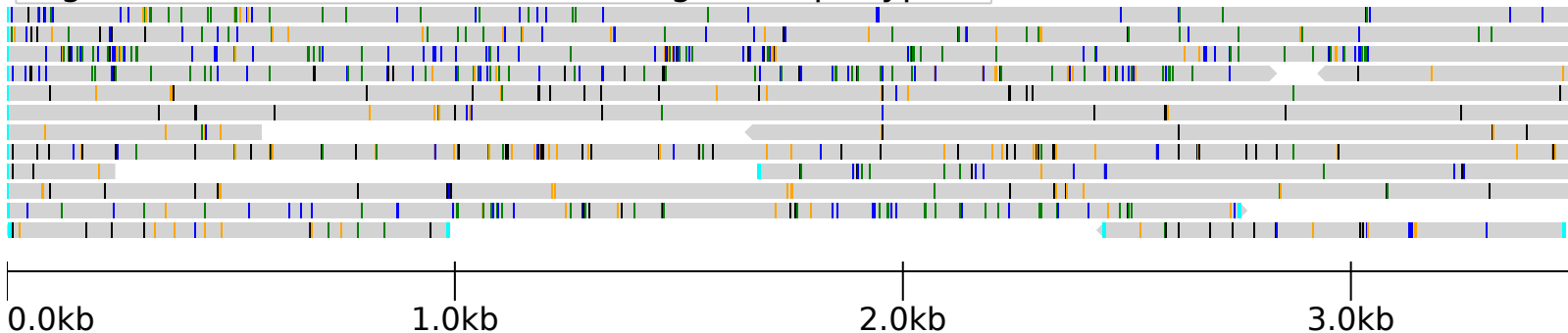
**HLA-H\*02:07:01:01**

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



HLA-H\*02:07:01:01 (identity: 100.00%)



**Sample: NA12892**

**Locus: HLA-J**

**Resolution: 4th field**

**Full typing result:**

**HLA-J\*01:01:01:05**

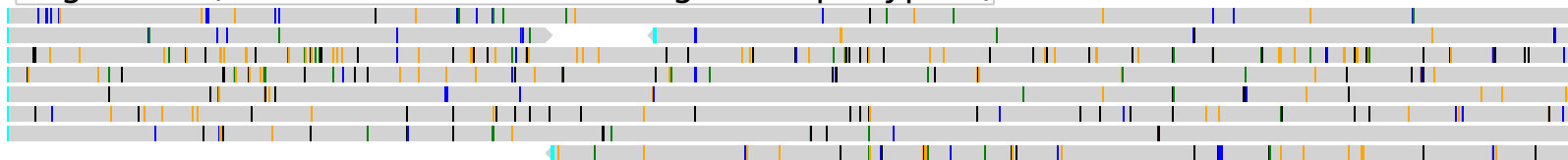
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-J\*01:01:01:05 (identity: 100.00%)

**Sample: NA12892**

**Locus: HLA-J**

**Resolution: 4th field**

**Full typing result:**

**HLA-J\*01:01:01:04**

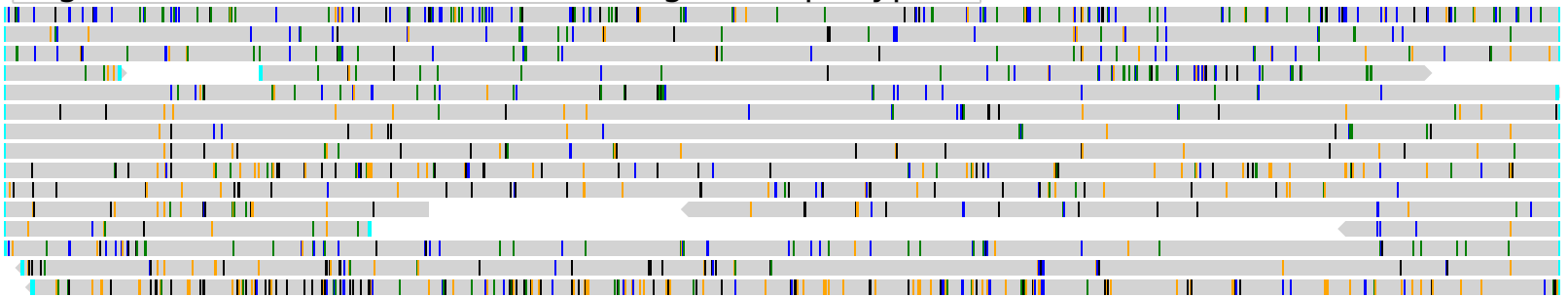
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

**HLA-J\*01:01:01:04 (identity: 100.00%)**

**Sample: NA12892**

**Locus: HLA-K**

**Resolution: 4th field**

**Full typing result:**

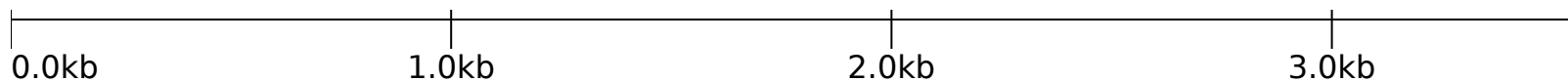
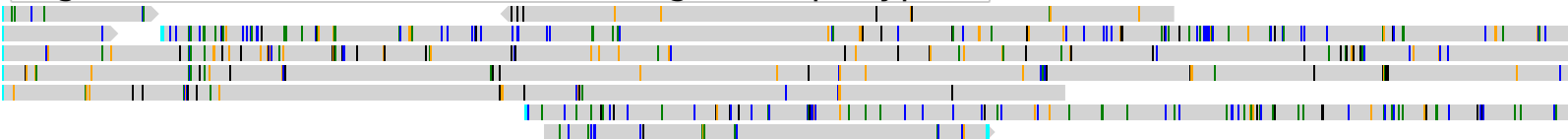
**HLA-K\*01:01:01:03**

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



HLA-K\*01:01:01:03 (identity: 97.69%)



**Sample: NA12892**

**Locus: HLA-K**

**Resolution: 4th field**

**Full typing result:**

**HLA-K\*01:02**

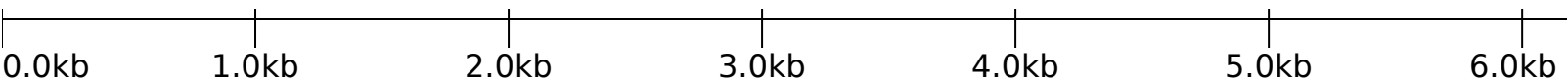
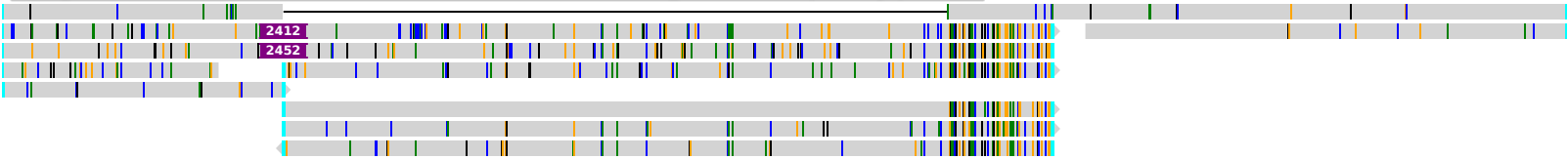
bam coverage



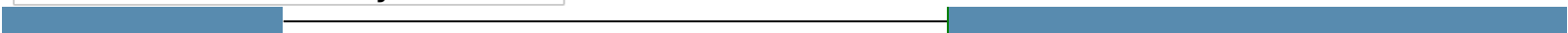
variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-K\*01:02 (identity: 26.22%)



**Sample: NA12892**

**Locus: HLA-L**

**Resolution: 4th field**

**Full typing result:**

**HLA-L\*01:03**

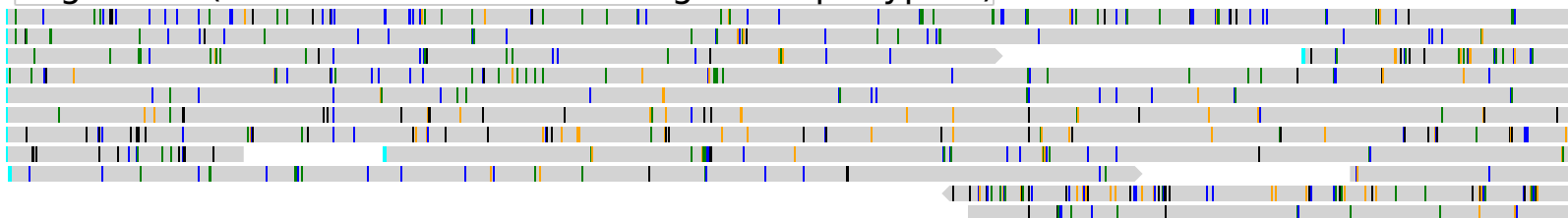
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-L\*01:03 (identity: 99.92%)



**Sample: NA12892**

**Locus: HLA-L**

**Resolution: 4th field**

**Full typing result:**

**HLA-L\*01:01:01:01**

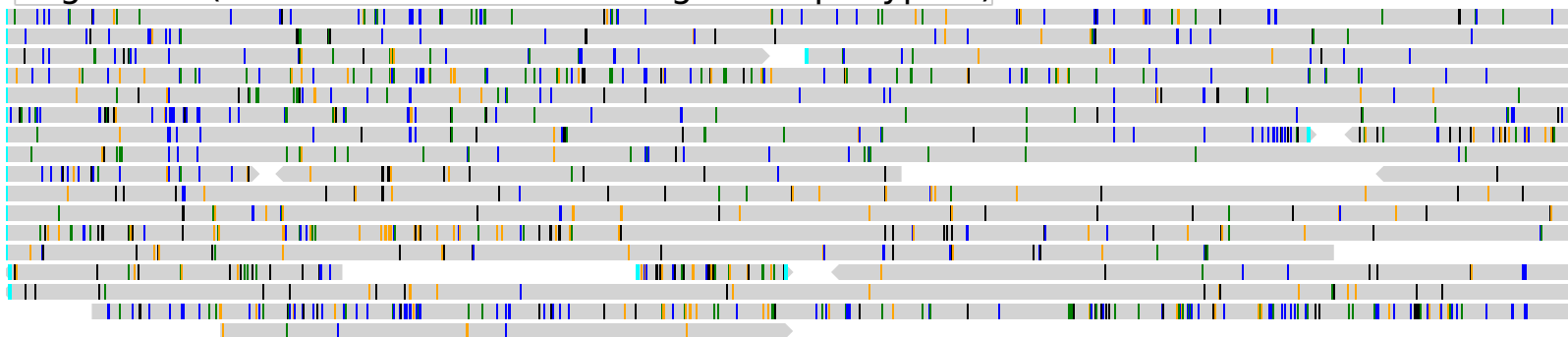
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-L\*01:01:01:01 (identity: 100.00%)

**Sample: NA12892**

**Locus: HLA-N**

**Resolution: 4th field**

**Full typing result:**

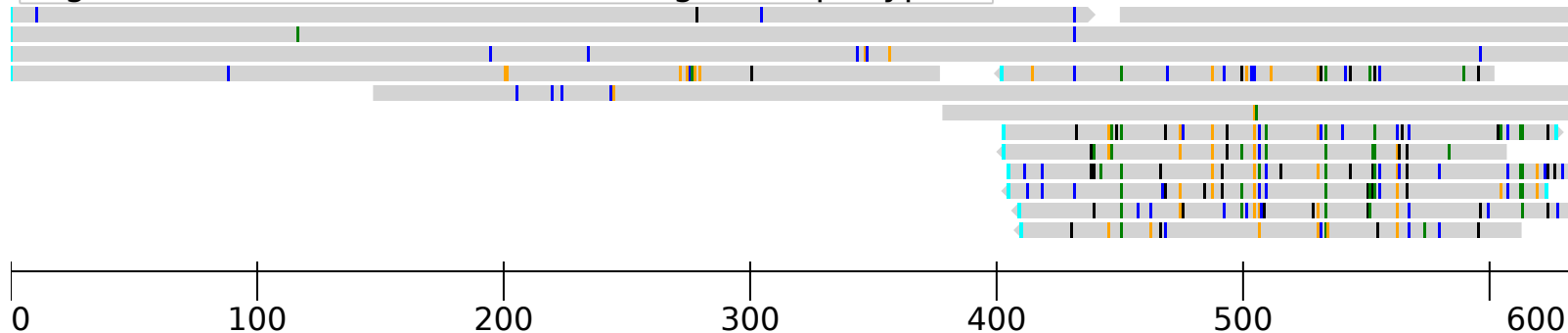
**HLA-N\*01:01:01:01**

bam coverage

$\frac{11}{7}$

variants

Alignment (reference: reconstructed gene haplotype 1)



HLA-N\*01:01:01:01 (identity: 99.84%)



**Sample: NA12892**

**Locus: HLA-P**

**Resolution: 4th field**

**Full typing result:**

**HLA-P\*02:01:01:01**

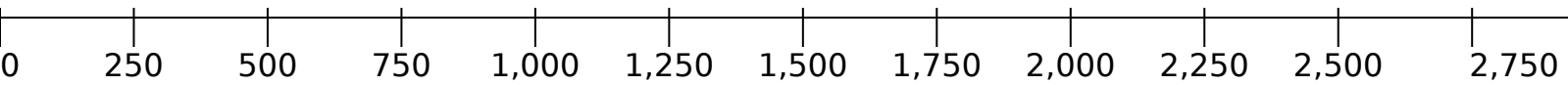
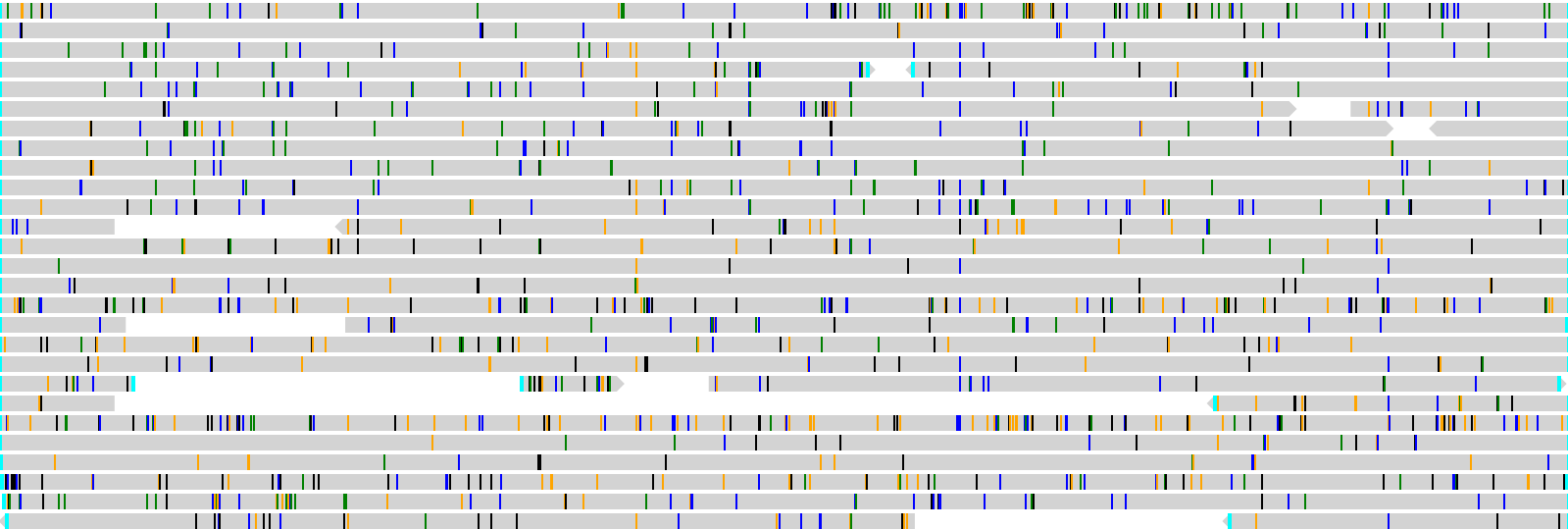
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-P\*02:01:01:01 (identity: 100.00%)





**Sample: NA12892**

**Locus: HLA-S**

**Resolution: 4th field**

**Full typing result:**

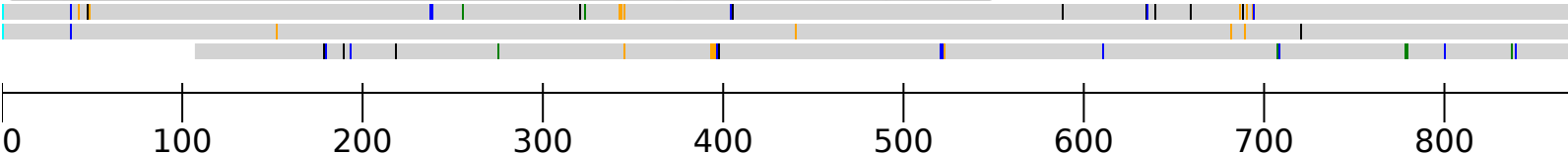
**HLA-S\*01:04**

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 1)



HLA-S\*01:04 (identity: 99.77%)



Sample: NA12892

Locus: HLA-T

Resolution: 4th field

Full typing result:

HLA-T\*03:01:01:01

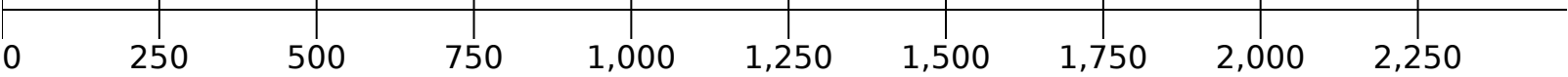
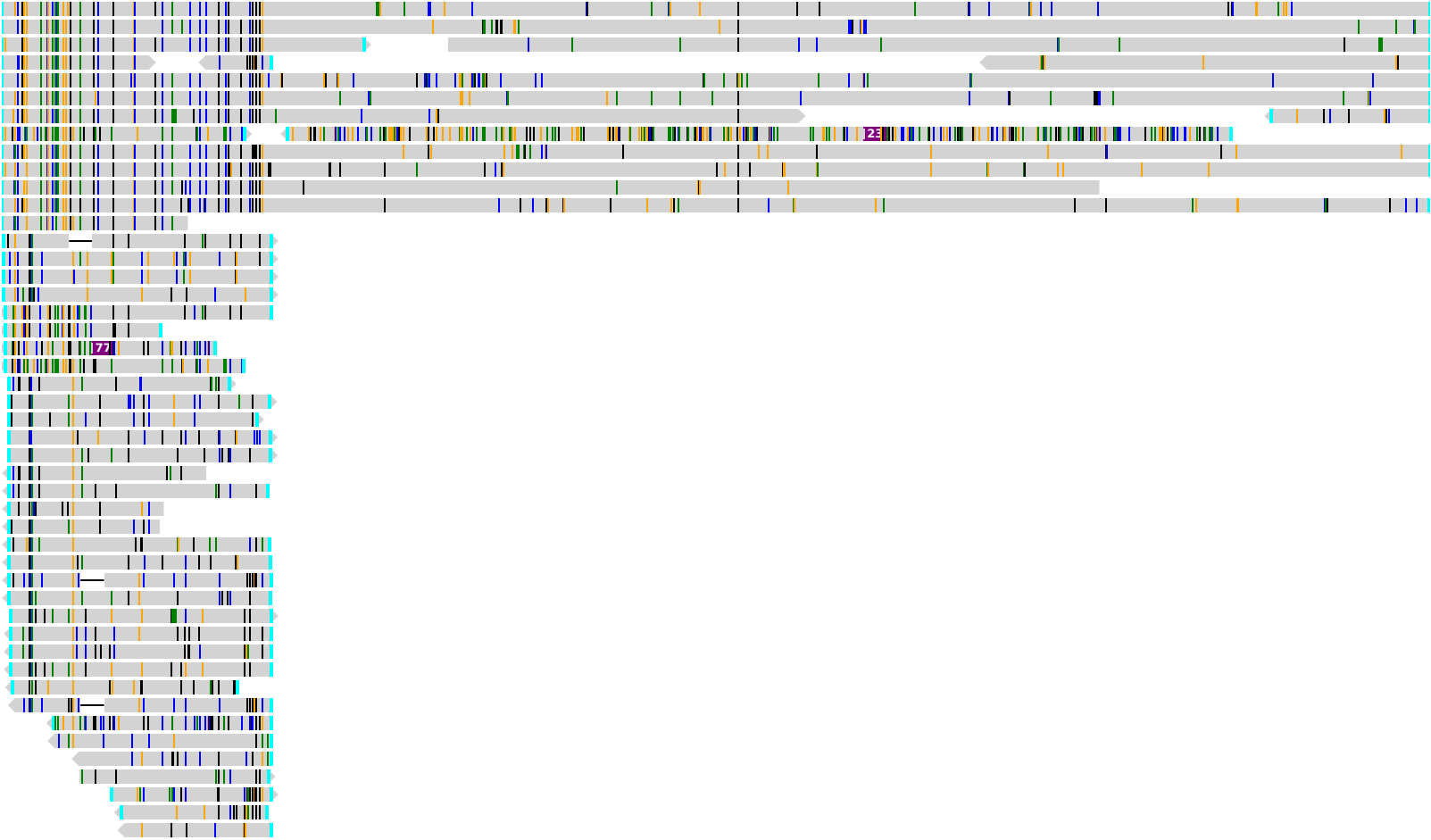
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-T\*03:01:01:01 (identity: 98.47%)



Sample: NA12892

Locus: HLA-T

Resolution: 4th field

Full typing result:

HLA-T\*01:01:01:05

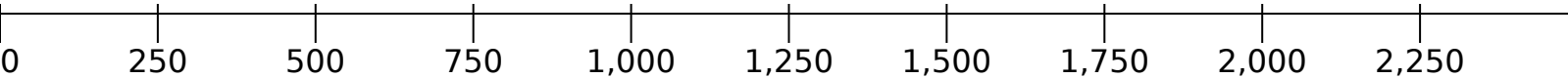
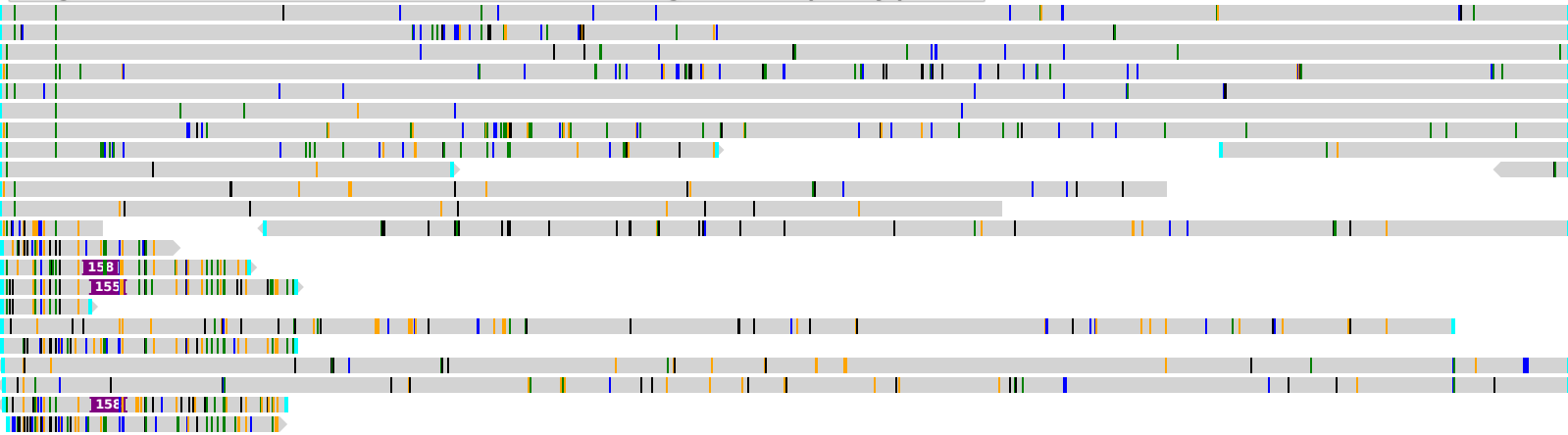
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



HLA-T\*01:01:01:05 (identity: 99.96%)



Sample: NA12892

Locus: HLA-U

Resolution: 4th field

Full typing result:

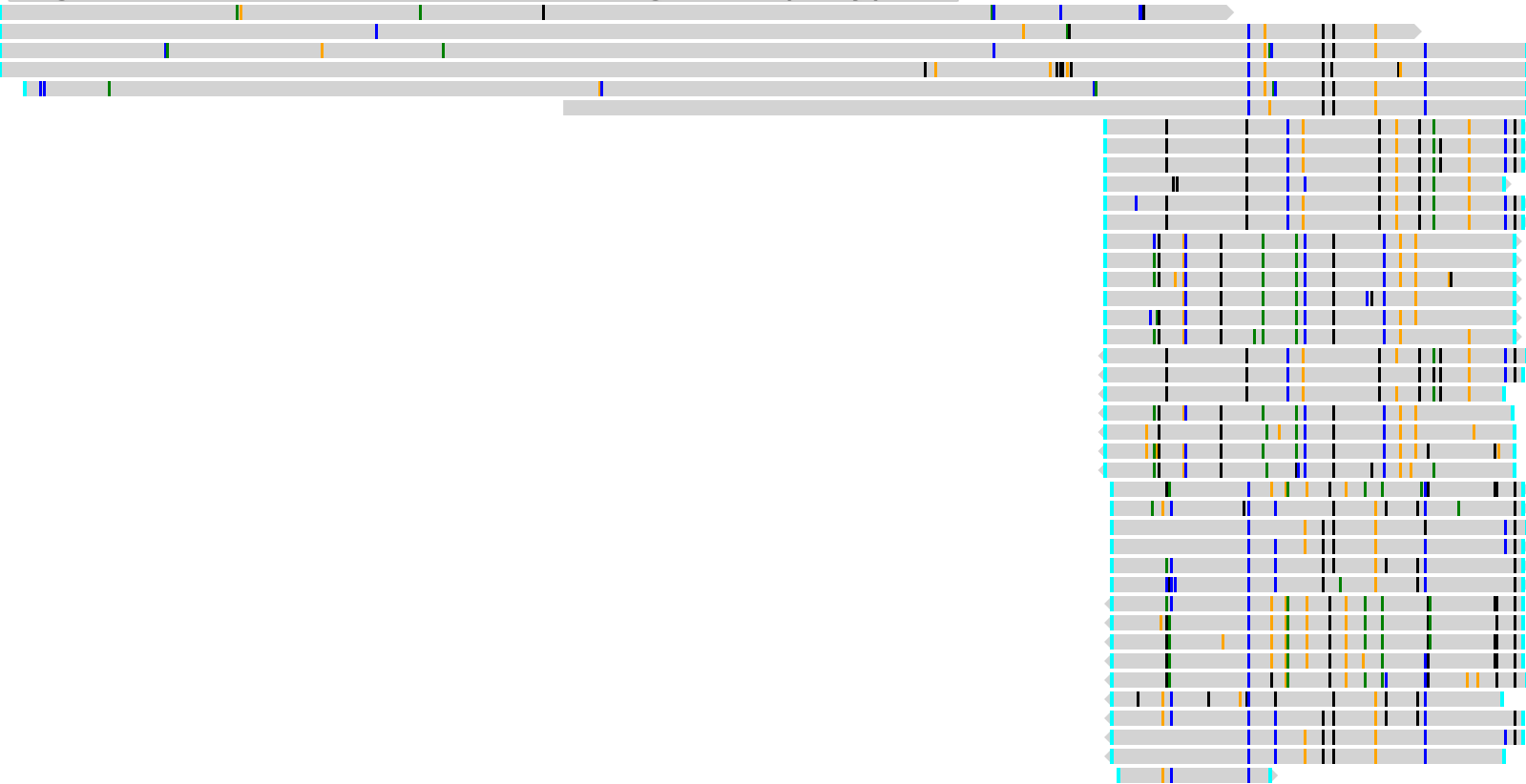
HLA-U\*01:03

bam coverage

35  
24  
13

variants

Alignment (reference: reconstructed gene haplotype 1)



HLA-U\*01:03 (identity: 99.04%)



**Sample: NA12892**

**Locus: HLA-U**

**Resolution: 4th field**

**Full typing result:**

**HLA-U\*01:05**

bam coverage

14  
9

variants

Alignment (reference: reconstructed gene haplotype 2)

0 100 200 300 400 500 600 700

HLA-U\*01:05 (identity: 99.18%)

**Sample: NA12892**

**Locus: HLA-V**

**Resolution: 4th field**

**Full typing result:**

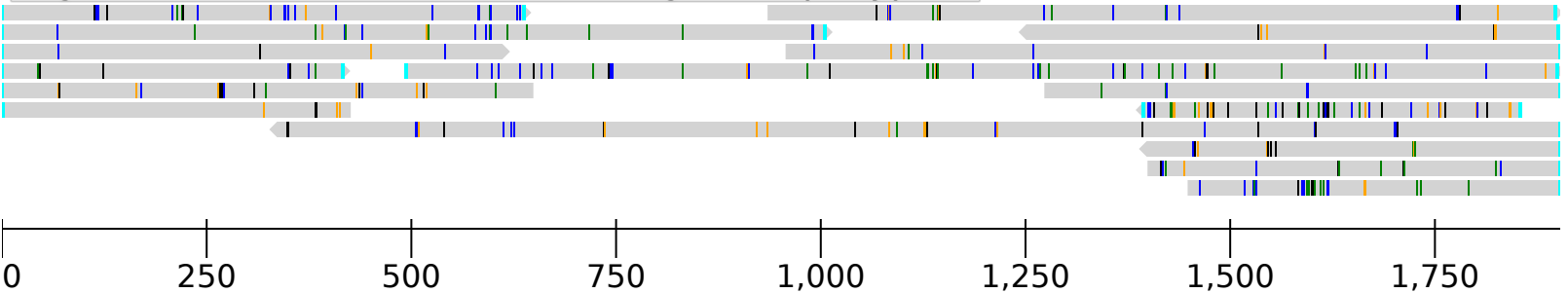
**HLA-V\*01:01:01:01**

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 1)



HLA-V\*01:01:01:01 (identity: 100.00%)

**Sample: NA12892**

**Locus: HLA-W**

**Resolution: 4th field**

**Full typing result:**

**HLA-W\*01:01:01:02**

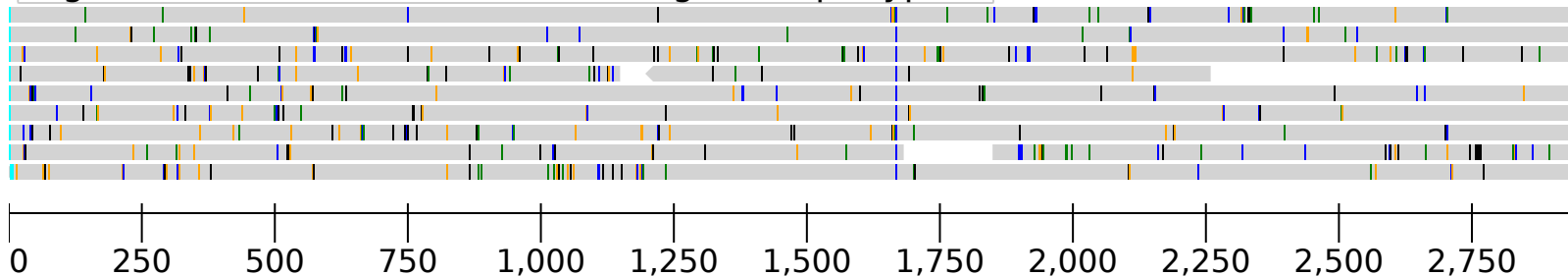
**HLA-W\*01:01:01:06**

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



HLA-W\*01:01:01:02 (identity: 99.39%)



HLA-W\*01:01:01:06 (identity: 99.36%)



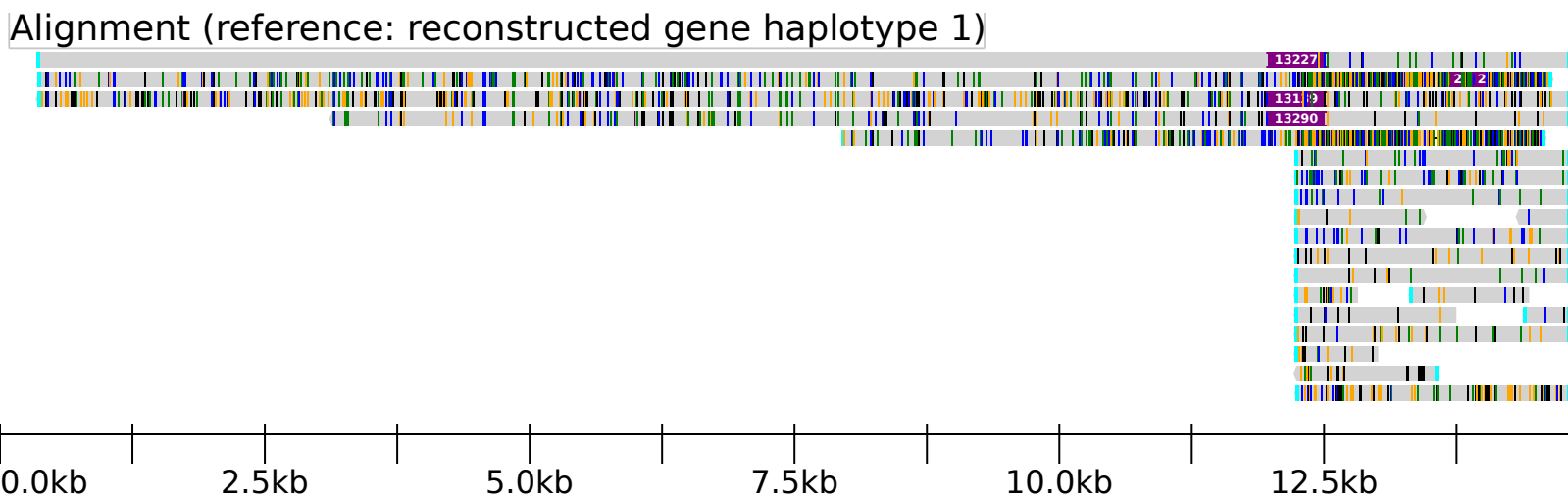
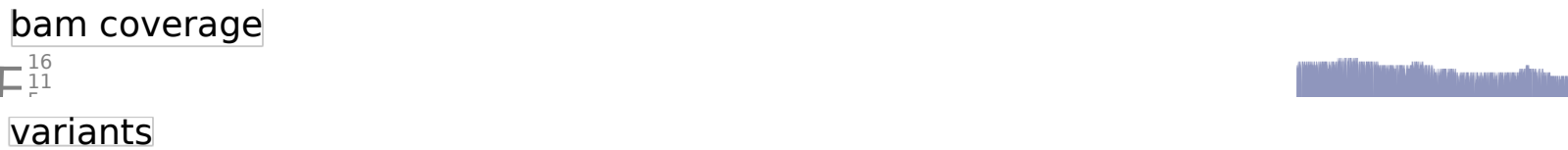
**Sample: NA12892**

**Locus: HLA-W**

**Resolution: 4th field**

**Full typing result:**

**HLA-W\*03:01:01:01** **HLA-W\*03:01:01:02**



**HLA-W\*03:01:01:01 (identity: 99.92%)**

**HLA-W\*03:01:01:02 (identity: 99.92%)**





Sample: NA12892

Locus: MICA

Resolution: 4th field

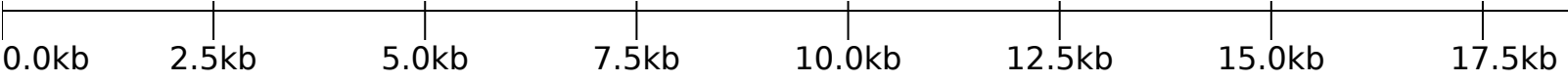
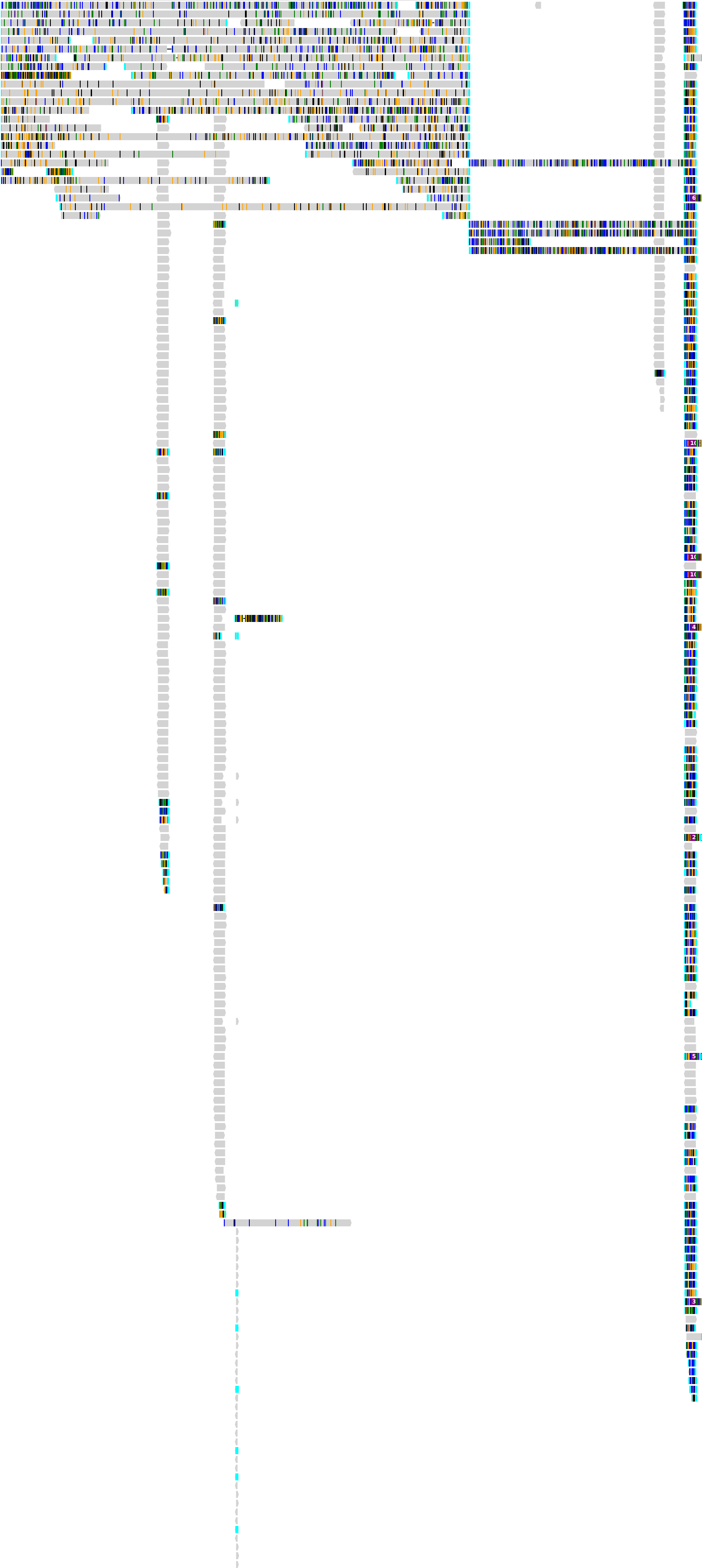
Full typing result:

MICA\*012:01:02

MICA\*012:01:03



Alignment (reference: reconstructed gene haplotype 1)



MICA\*012:01:02 (identity: 99.88%)



MICA\*012:01:03 (identity: 99.88%)



**Locus: MICA**

Sample: NA12892

Locus: MICB

Resolution: 4th field

Full typing result:

MICB\*052

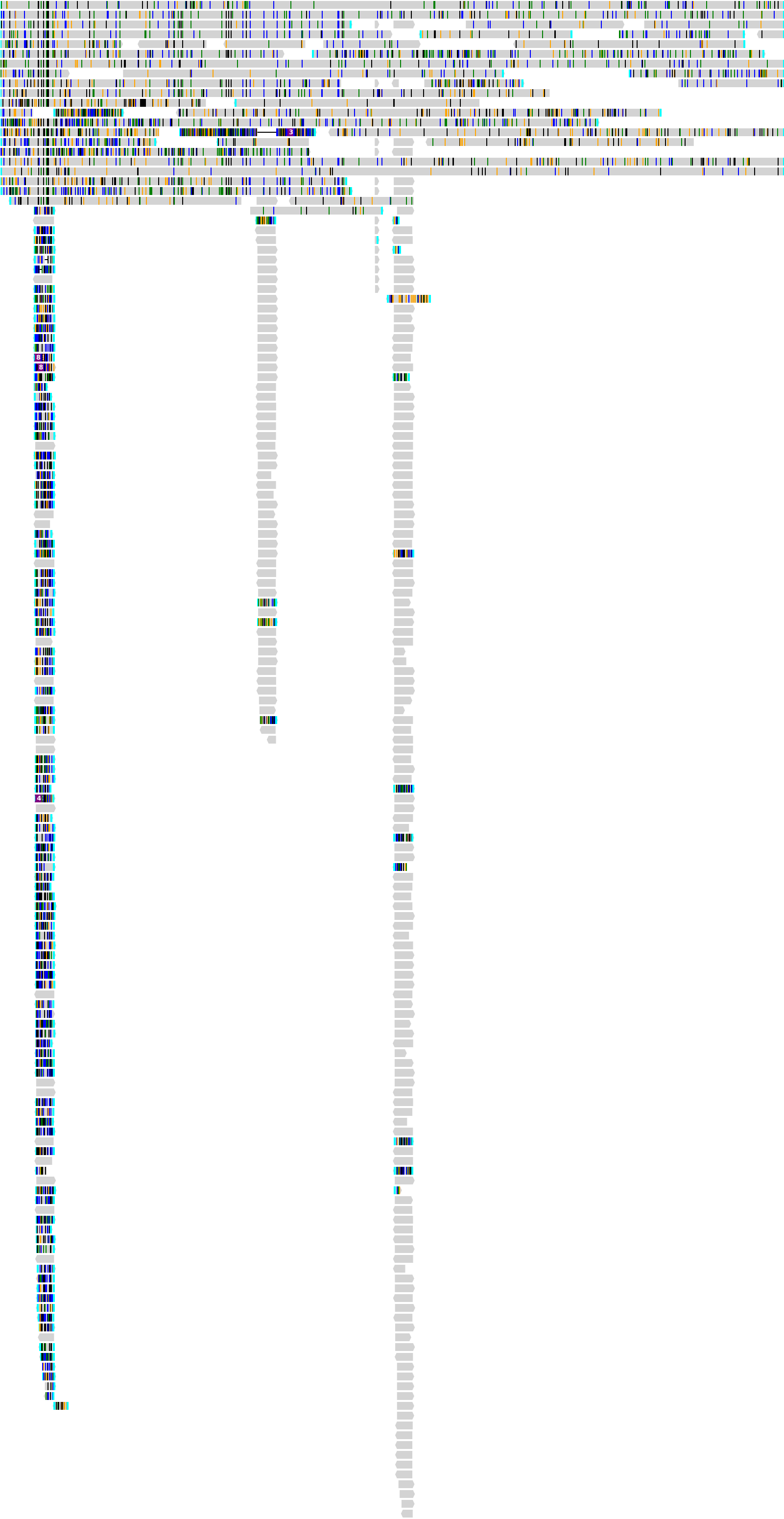
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb 2.5kb 3.75kb 5.0kb 6.25kb 7.5kb 8.75kb 10.0kb 12.5kb

MICB\*052 (identity: 99.92%)



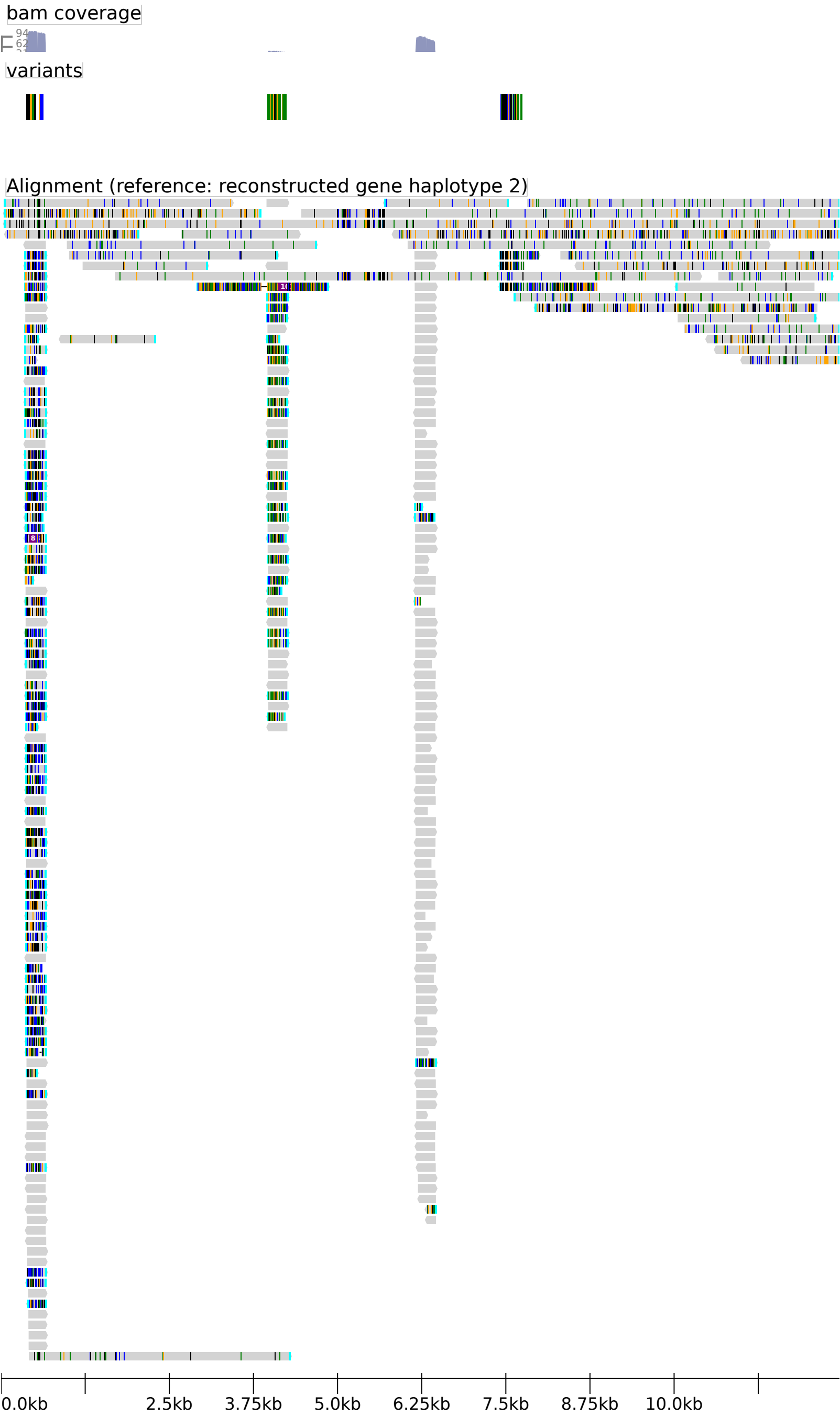
Sample: NA12892

Locus: MICB

Resolution: 4th field

Full typing result:

MICB\*005:02:01



MICB\*005:02:01 (identity: 97.91%)



**Sample: NA12892**

**Locus: TAP1**

**Resolution: 4th field**

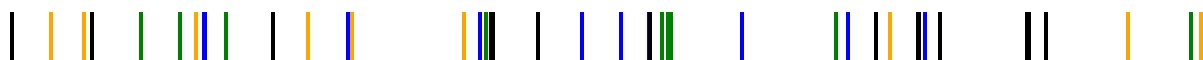
**Full typing result:**

**TAP1\*01:01:01:02**

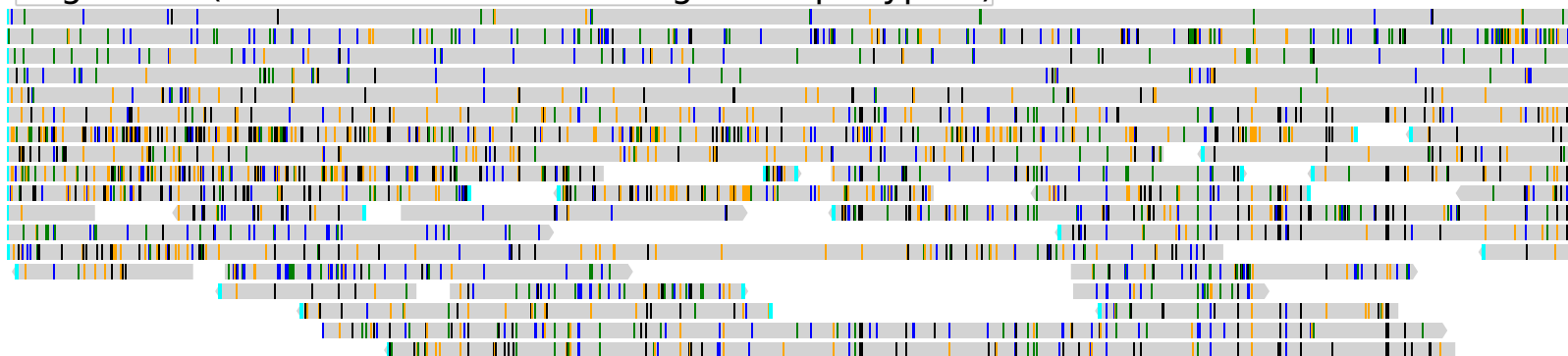
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

2.0kb

3.0kb

4.0kb

5.0kb

6.0kb

7.0kb

8.0kb

9.0kb

TAP1\*01:01:01:02 (identity: 100.00%)

**Sample: NA12892**

**Locus: TAP1**

**Resolution: 4th field**

**Full typing result:**

**TAP1\*01:01:01:01**

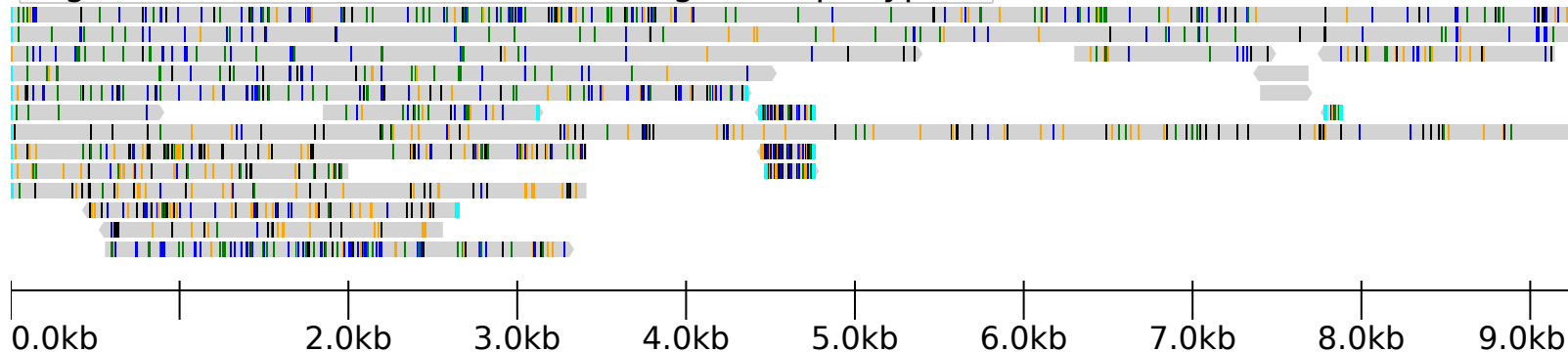
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



**TAP1\*01:01:01:01 (identity: 99.46%)**



Sample: NA12892

Locus: TAP2

Resolution: 4th field

Full typing result:

TAP2\*01:04:01:01

TAP2\*01:01:03:03

TAP2\*01:01:03:02

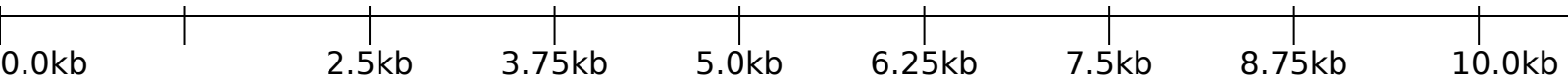
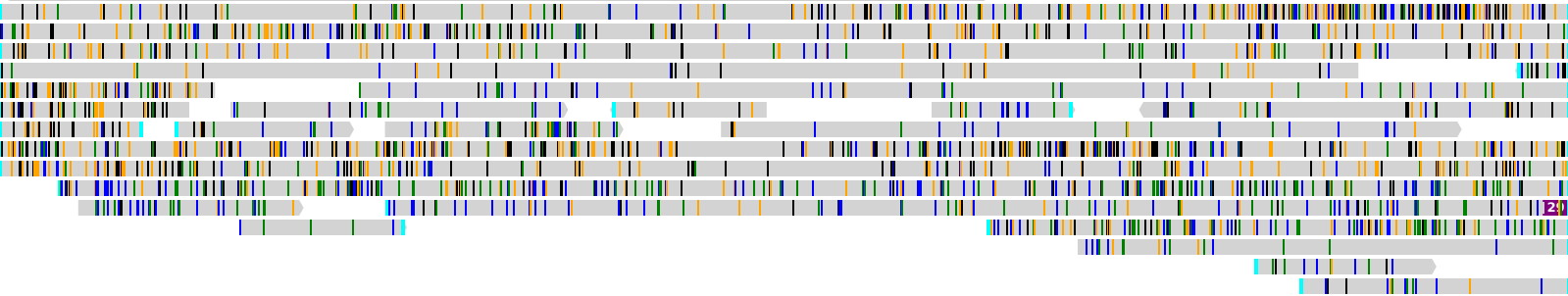
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



TAP2\*01:04:01:01 (identity: 99.74%)



TAP2\*01:01:03:03 (identity: 99.84%)



TAP2\*01:01:03:02 (identity: 99.83%)



**Sample: NA12892**

**Locus: TAP2**

**Resolution: 4th field**

**Full typing result:**

**TAP2\*01:01:02:01**

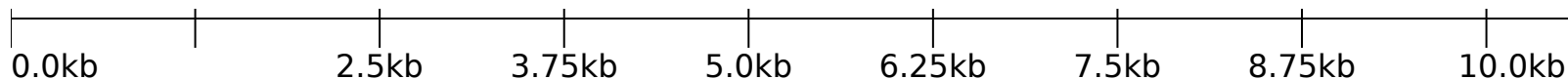
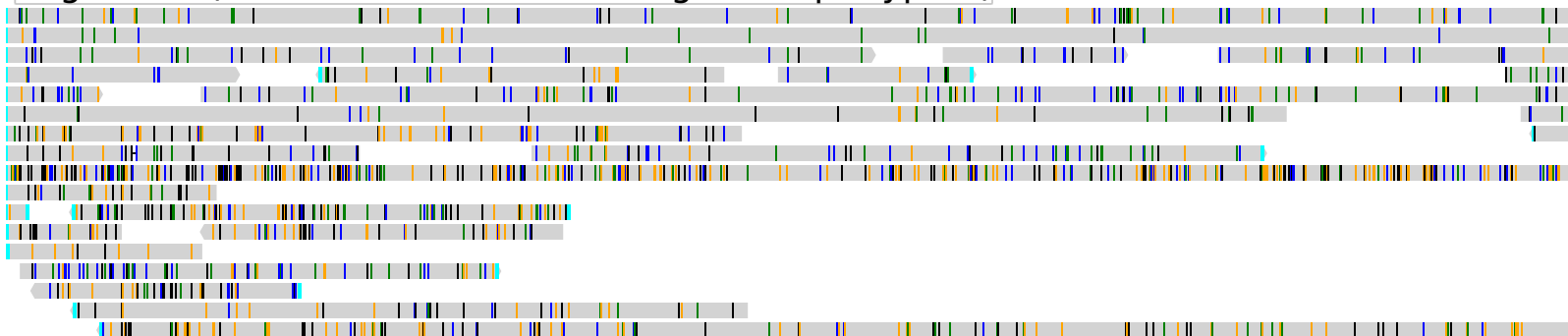
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



**TAP2\*01:01:02:01 (identity: 99.85%)**

