

Sample: NA19819

Locus: HFE

Resolution: 4th field

Full typing result:

HFE*001:01:03

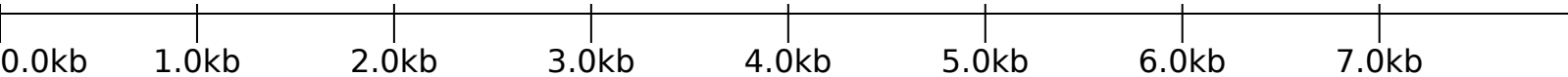
bam coverage

3
2



variants

Alignment (reference: reconstructed gene haplotype 1)



HFE*001:01:03 (identity: 100.00%)



Sample: NA19819

Locus: HLA-A

Resolution: 4th field

Full typing result:

HLA-A*02:01:177

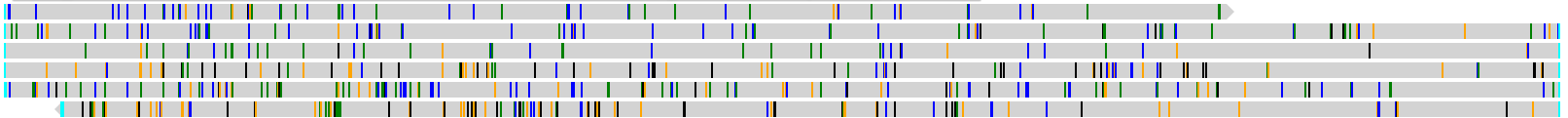
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-A*02:01:177 (identity: 99.94%)



Sample: NA19819

Locus: HLA-A

Resolution: 4th field

Full typing result:

- HLA-A*68:01:01:02HLA-A*68:267NHLA-A*68:01:01:09
- HLA-A*68:01:01:10HLA-A*68:01:02:01HLA-A*68:01:11
- HLA-A*68:01:38HLA-A*68:01:60HLA-A*68:114:02
- HLA-A*68:143HLA-A*68:154HLA-A*68:182N
- HLA-A*68:196HLA-A*68:212HLA-A*68:231

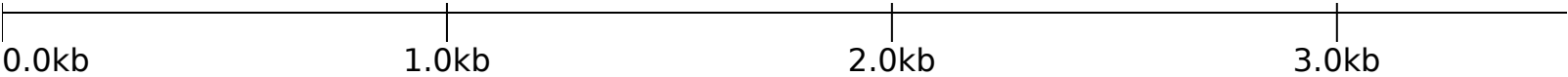
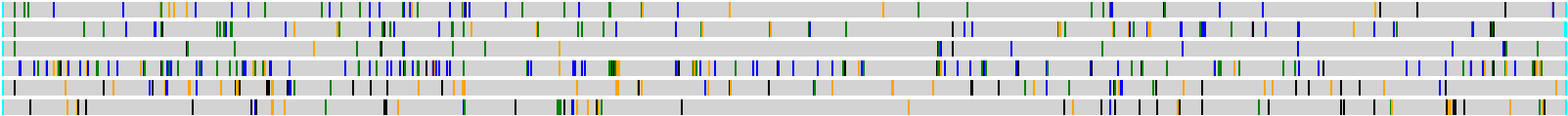
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



- HLA-A*68:01:01:02 (identity: 100.00%)
- HLA-A*68:267N (identity: 99.97%)
- HLA-A*68:01:01:09 (identity: 99.97%)
- HLA-A*68:01:01:10 (identity: 99.97%)
- HLA-A*68:01:02:01 (identity: 99.97%)
- HLA-A*68:01:11 (identity: 99.97%)
- HLA-A*68:01:38 (identity: 99.97%)
- HLA-A*68:01:60 (identity: 99.97%)
- HLA-A*68:114:02 (identity: 99.97%)
- HLA-A*68:143 (identity: 99.97%)

Sample: NA19819

Locus: HLA-B

Resolution: 4th field

Full typing result:

HLA-B*58:02:01:01

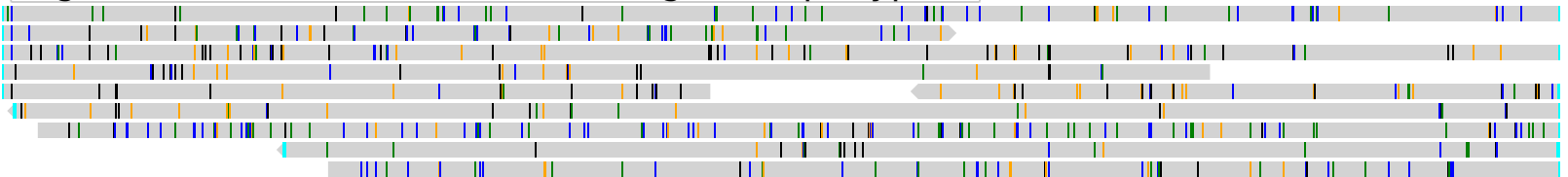
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

4.0kb

HLA-B*58:02:01:01 (identity: 99.98%)



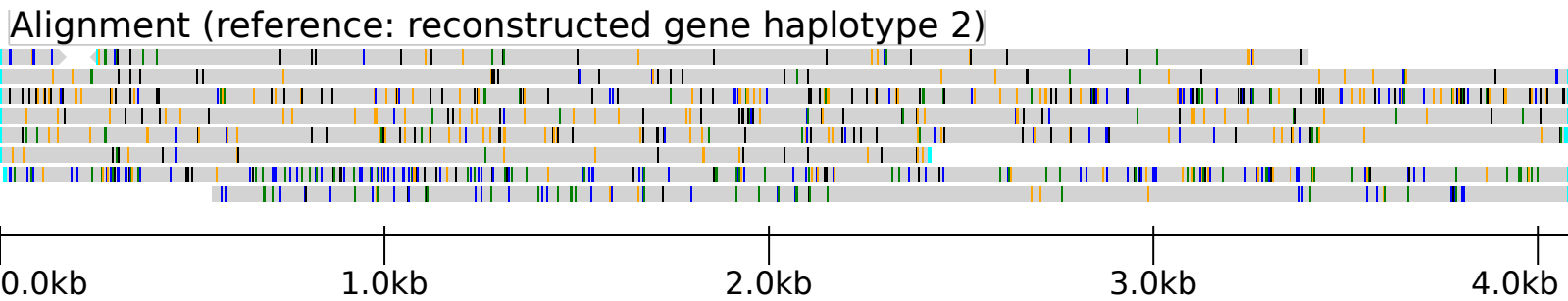
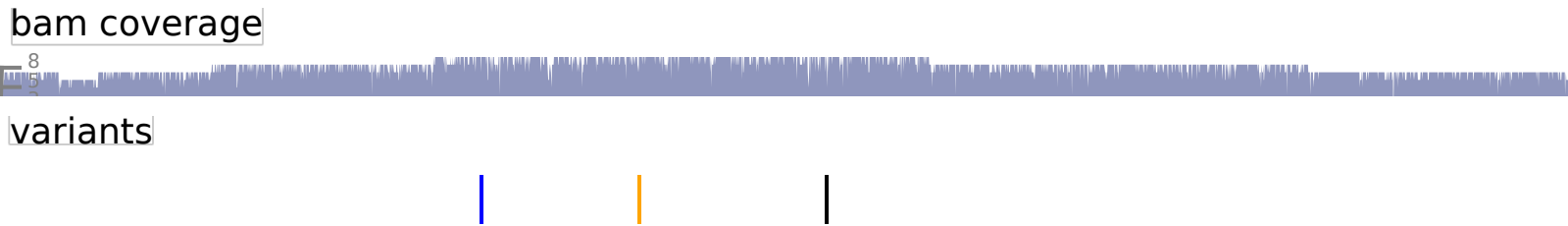
Sample: NA19819

Locus: HLA-B

Resolution: 4th field

Full typing result:

- HLA-B*40:01:02:04
- HLA-B*40:01:02:40
- HLA-B*40:01:02:01
- HLA-B*40:01:02:31
- HLA-B*40:01:02:55
- HLA-B*40:01:02:62
- HLA-B*40:01:02:64
- HLA-B*40:01:70
- HLA-B*40:175
- HLA-B*40:168



HLA-B*40:01:02:04 (identity: 99.93%)	
HLA-B*40:01:02:40 (identity: 99.93%)	
HLA-B*40:01:02:01 (identity: 99.90%)	
HLA-B*40:01:02:31 (identity: 99.90%)	
HLA-B*40:01:02:55 (identity: 99.90%)	
HLA-B*40:01:02:62 (identity: 99.90%)	
HLA-B*40:01:02:64 (identity: 99.90%)	
HLA-B*40:01:70 (identity: 99.90%)	
HLA-B*40:175 (identity: 99.90%)	
HLA-B*40:168 (identity: 99.90%)	

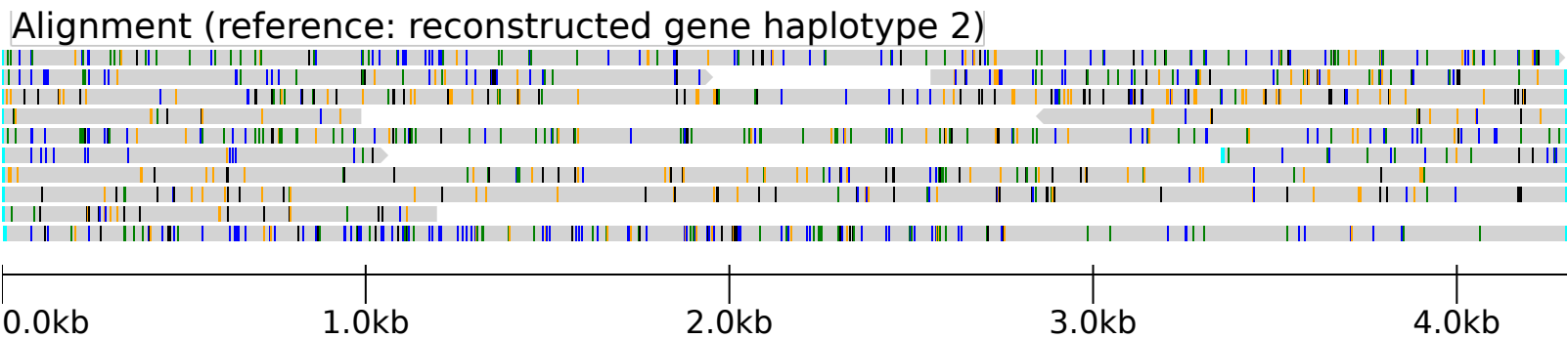
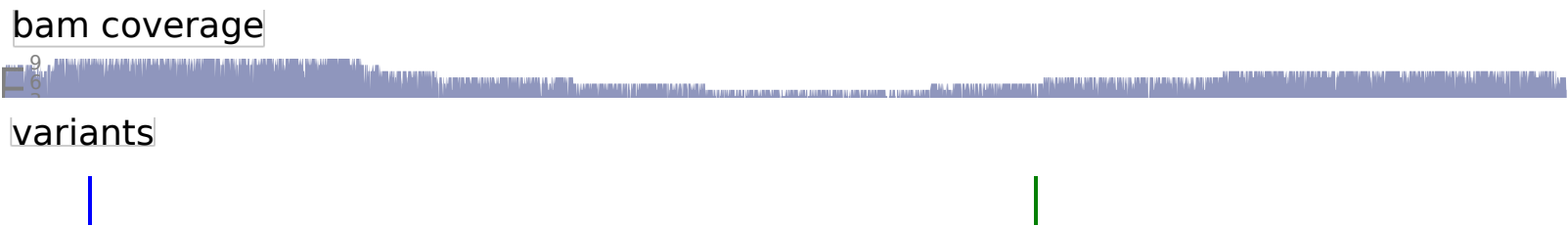
Sample: NA19819

Locus: HLA-C

Resolution: 4th field

Full typing result:

- HLA-C*06:02:01:95
- HLA-C*06:02:01:01
- HLA-C*06:150
- HLA-C*06:322:02
- HLA-C*06:02:29
- HLA-C*06:317
- HLA-C*06:02:01:93
- HLA-C*06:02:107
- HLA-C*06:375
- HLA-C*06:262



- HLA-C*06:02:01:95 (identity: 99.95%)
- HLA-C*06:02:01:01 (identity: 99.93%)
- HLA-C*06:150 (identity: 99.93%)
- HLA-C*06:322:02 (identity: 99.93%)
- HLA-C*06:02:29 (identity: 99.93%)
- HLA-C*06:317 (identity: 99.93%)
- HLA-C*06:02:01:93 (identity: 99.93%)
- HLA-C*06:02:107 (identity: 99.93%)
- HLA-C*06:375 (identity: 99.93%)
- HLA-C*06:262 (identity: 99.93%)

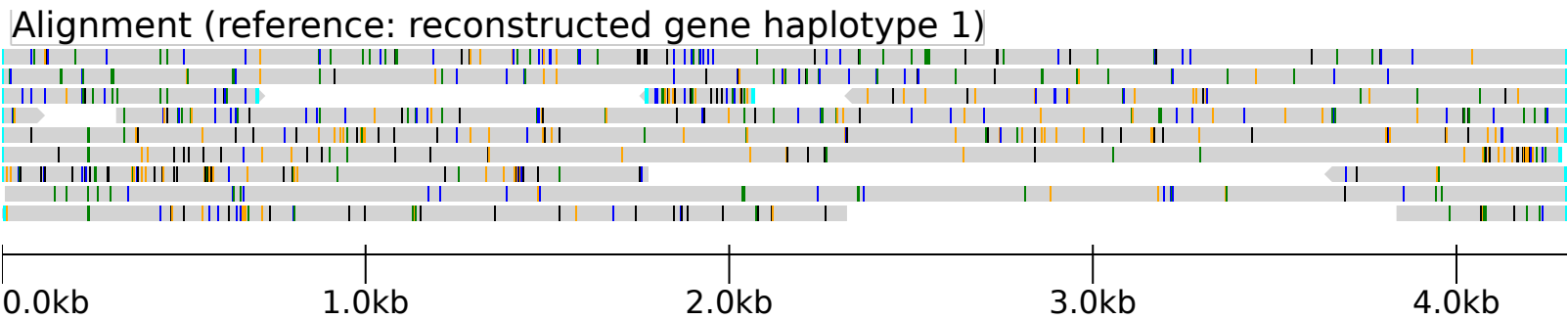
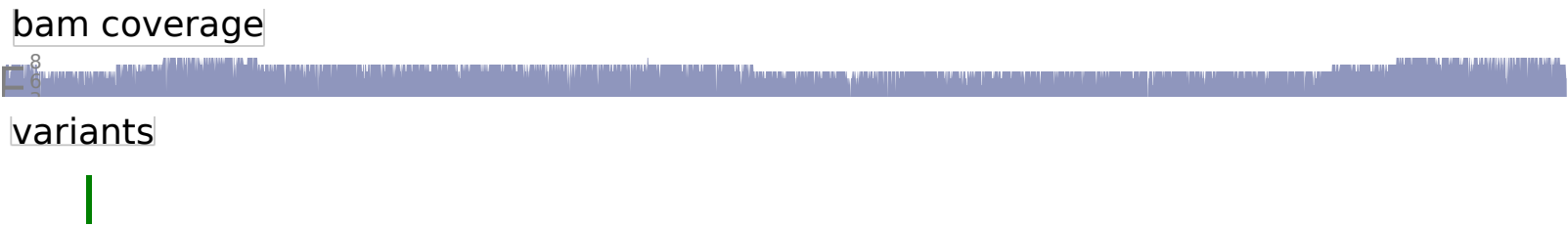
Sample: NA19819

Locus: HLA-C

Resolution: 4th field

Full typing result:

- HLA-C*03:04:01:01HLA-C*03:04:01:02HLA-C*03:04:01:86
- HLA-C*03:04:01:88HLA-C*03:04:01:90QHLA-C*03:04:75
- HLA-C*03:605HLA-C*03:09HLA-C*03:04:05
- HLA-C*03:38:02



- HLA-C*03:04:01:01 (identity: 99.95%)
- HLA-C*03:04:01:02 (identity: 99.93%)
- HLA-C*03:04:01:86 (identity: 99.93%)
- HLA-C*03:04:01:88 (identity: 99.93%)
- HLA-C*03:04:01:90Q (identity: 99.86%)
- HLA-C*03:04:75 (identity: 99.93%)
- HLA-C*03:605 (identity: 99.93%)
- HLA-C*03:09 (identity: 99.93%)
- HLA-C*03:04:05 (identity: 99.93%)
- HLA-C*03:38:02 (identity: 99.93%)

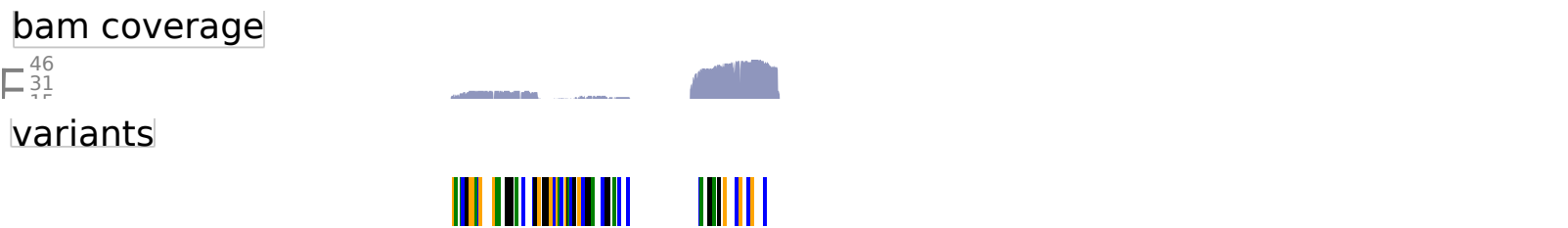
Sample: NA19819

Locus: HLA-DMA

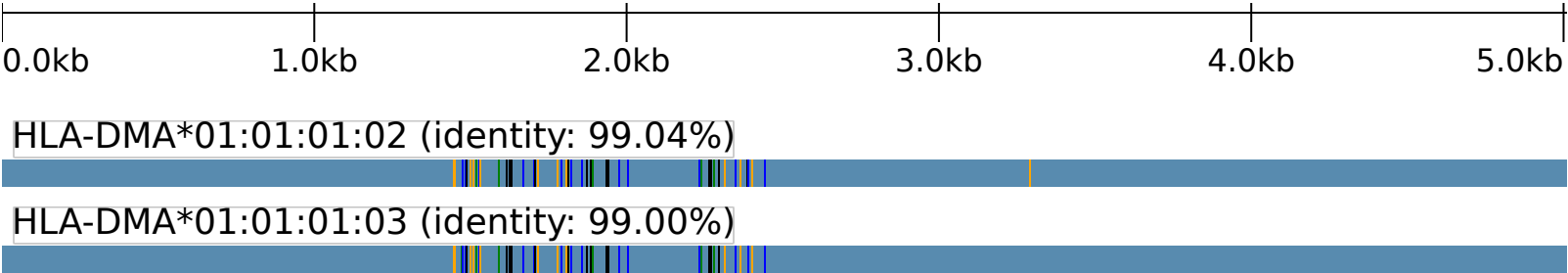
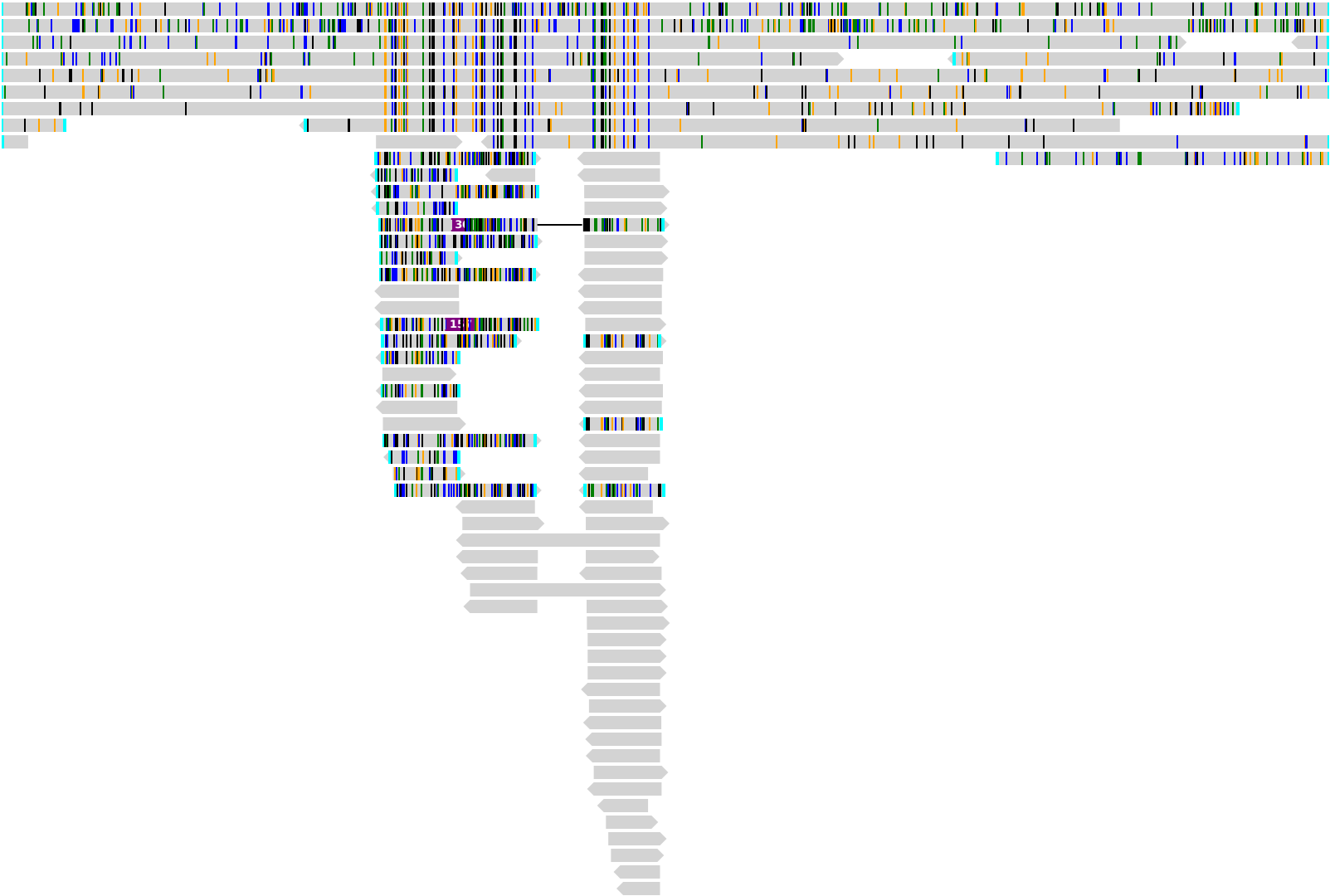
Resolution: 4th field

Full typing result:

HLA-DMA*01:01:01:02 HLA-DMA*01:01:01:03



Alignment (reference: reconstructed gene haplotype 2)



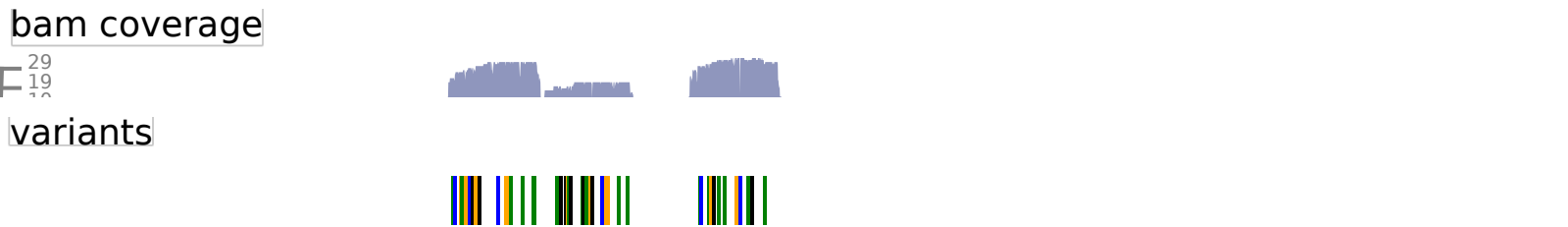
Sample: NA19819

Locus: HLA-DMA

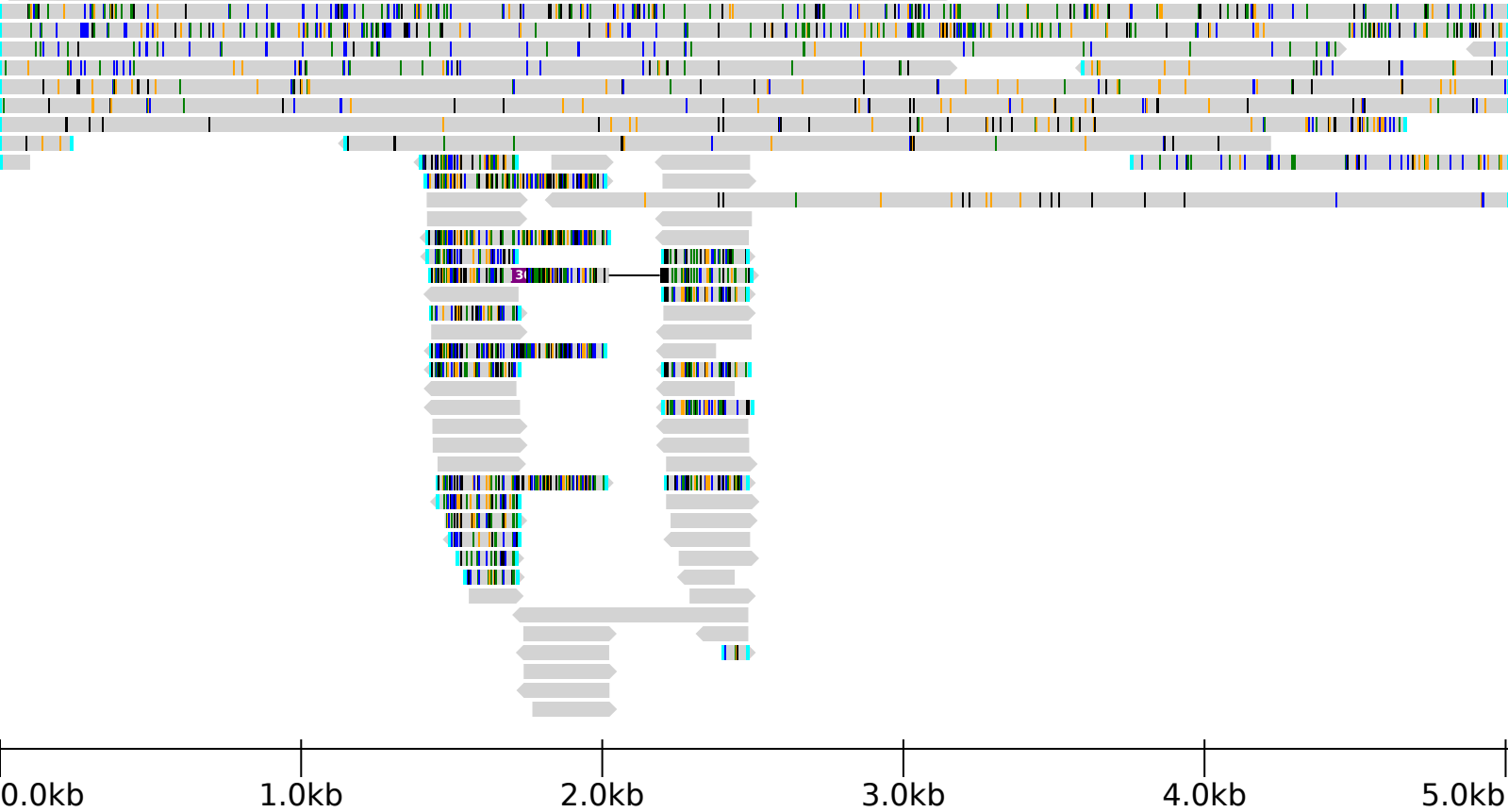
Resolution: 4th field

Full typing result:

HLA-DMA*01:01:01:03 HLA-DMA*01:01:01:02 HLA-DMA*01:01:01:01



Alignment (reference: reconstructed gene haplotype 1)



HLA-DMA*01:01:01:03 (identity: 99.90%)

HLA-DMA*01:01:01:02 (identity: 99.90%)

HLA-DMA*01:01:01:01 (identity: 99.92%)

Sample: NA19819

Locus: HLA-DMB

Resolution: 4th field

Full typing result:

HLA-DMB*01:03:01:03

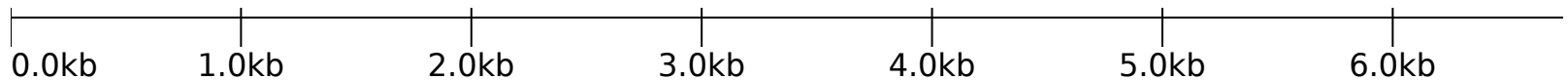
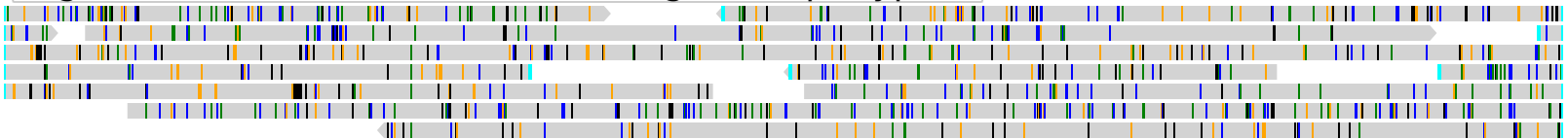
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DMB*01:03:01:03 (identity: 99.97%)



Sample: NA19819

Locus: HLA-DMB

Resolution: 4th field

Full typing result:

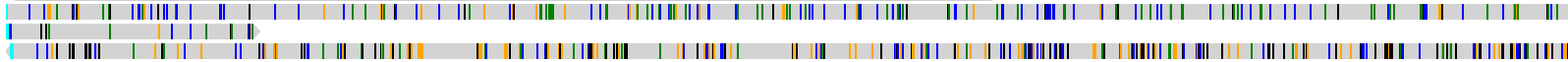
HLA-DMB*01:01:01:04

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



0.0kb

1.0kb

2.0kb

3.0kb

4.0kb

5.0kb

6.0kb

HLA-DMB*01:01:01:04 (identity: 99.97%)



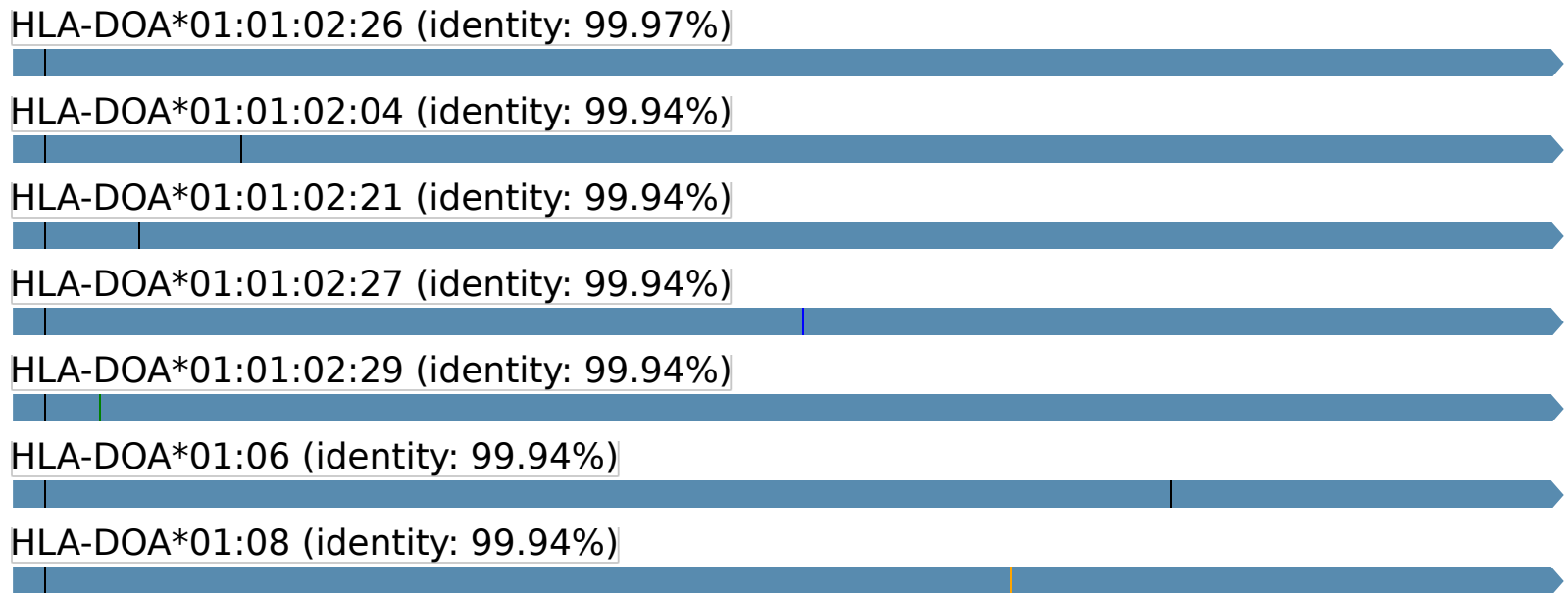
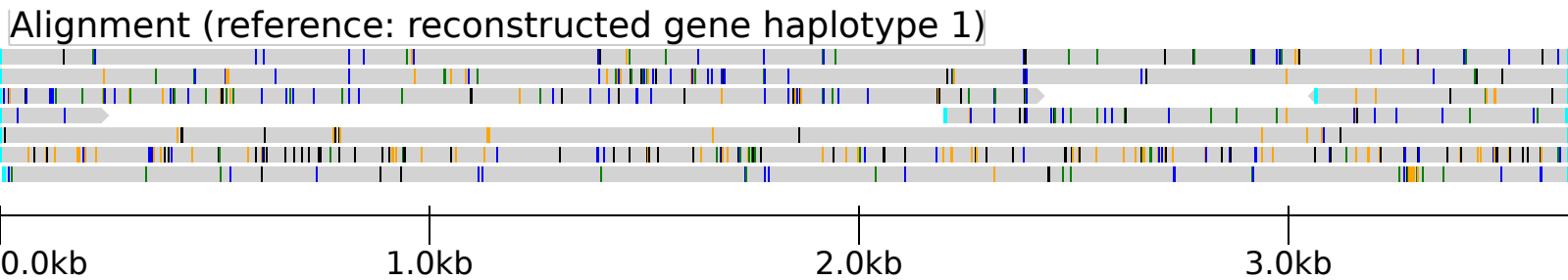
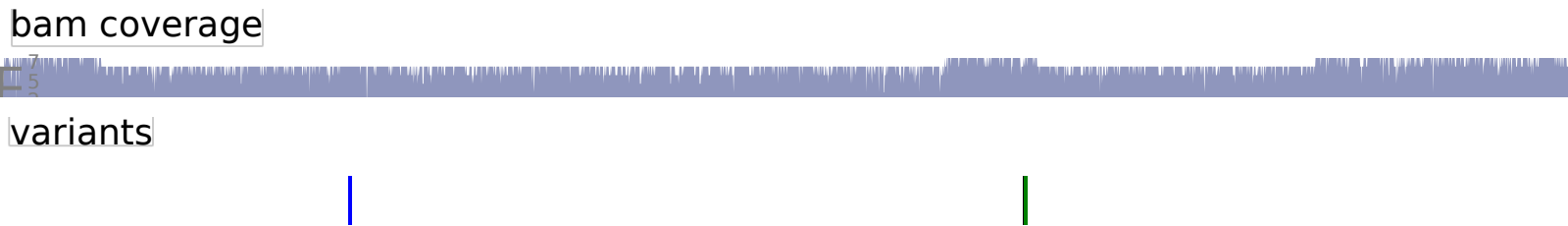
Sample: NA19819

Locus: HLA-DOA

Resolution: 4th field

Full typing result:

- HLA-DOA*01:01:02:26
- HLA-DOA*01:01:02:04
- HLA-DOA*01:01:02:21
- HLA-DOA*01:01:02:27
- HLA-DOA*01:01:02:29
- HLA-DOA*01:06
- HLA-DOA*01:08



Sample: NA19819

Locus: HLA-DOA

Resolution: 4th field

Full typing result:

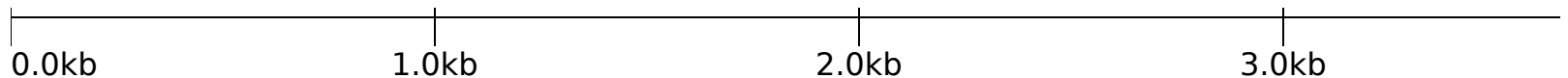
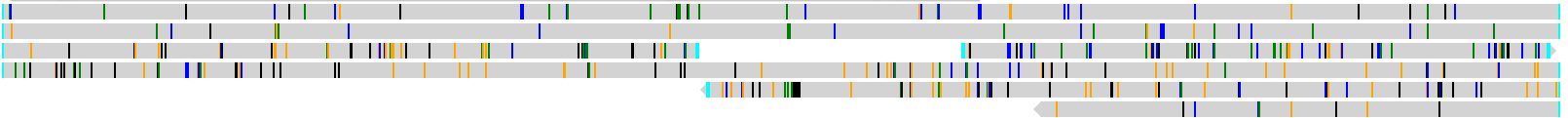
HLA-DOA*01:01:01:01

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



HLA-DOA*01:01:01:01 (identity: 99.97%)



Sample: NA19819

Locus: HLA-DOB

Resolution: 4th field

Full typing result:

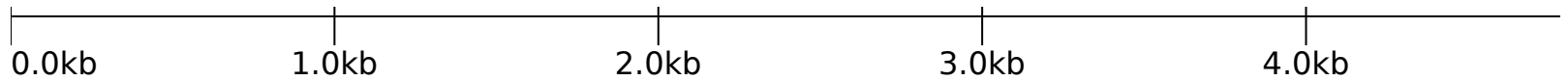
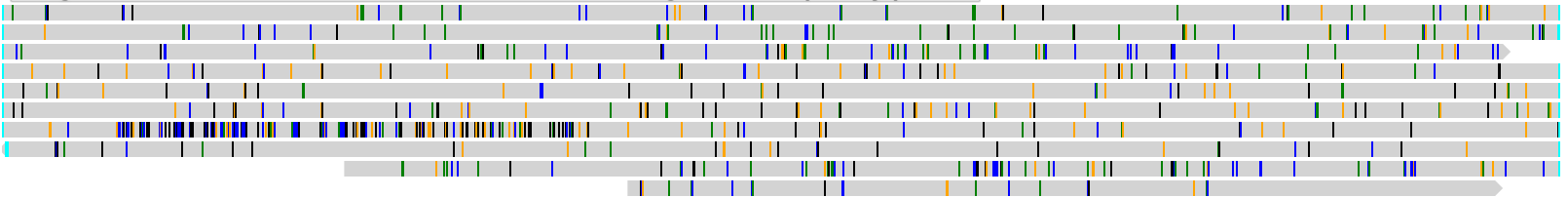
HLA-DOB*01:02:01:01

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



HLA-DOB*01:02:01:01 (identity: 99.98%)



Sample: NA19819

Locus: HLA-DOB

Resolution: 4th field

Full typing result:

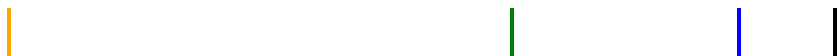
HLA-DOB*01:05

HLA-DOB*01:01:01:04

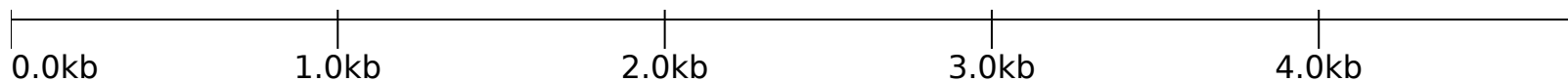
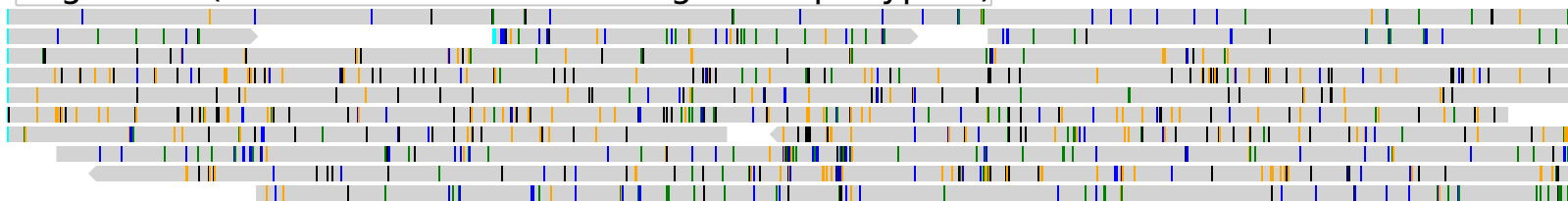
bam coverage



variants

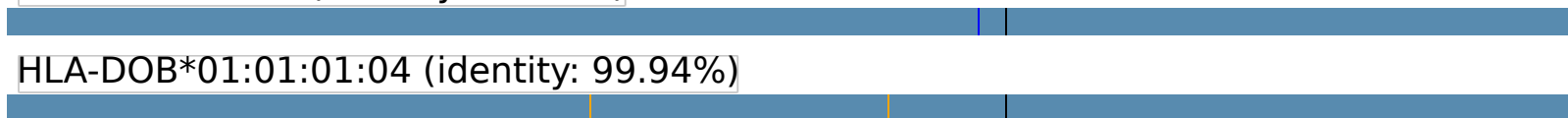


Alignment (reference: reconstructed gene haplotype 1)



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

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



Sample: NA19819

Locus: HLA-DPA1

Resolution: 4th field

Full typing result:

HLA-DPA1*01:03:01:35

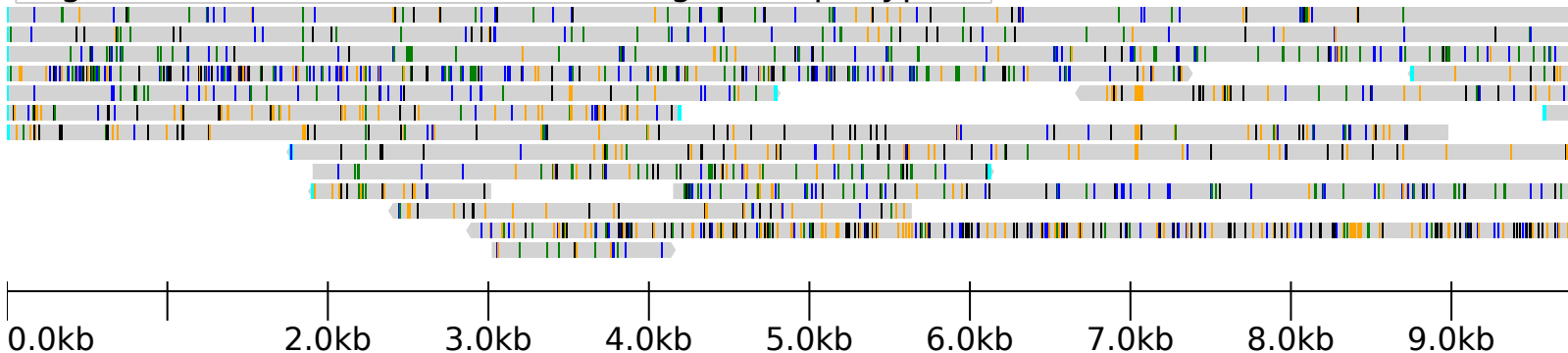
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DPA1*01:03:01:35 (identity: 99.99%)



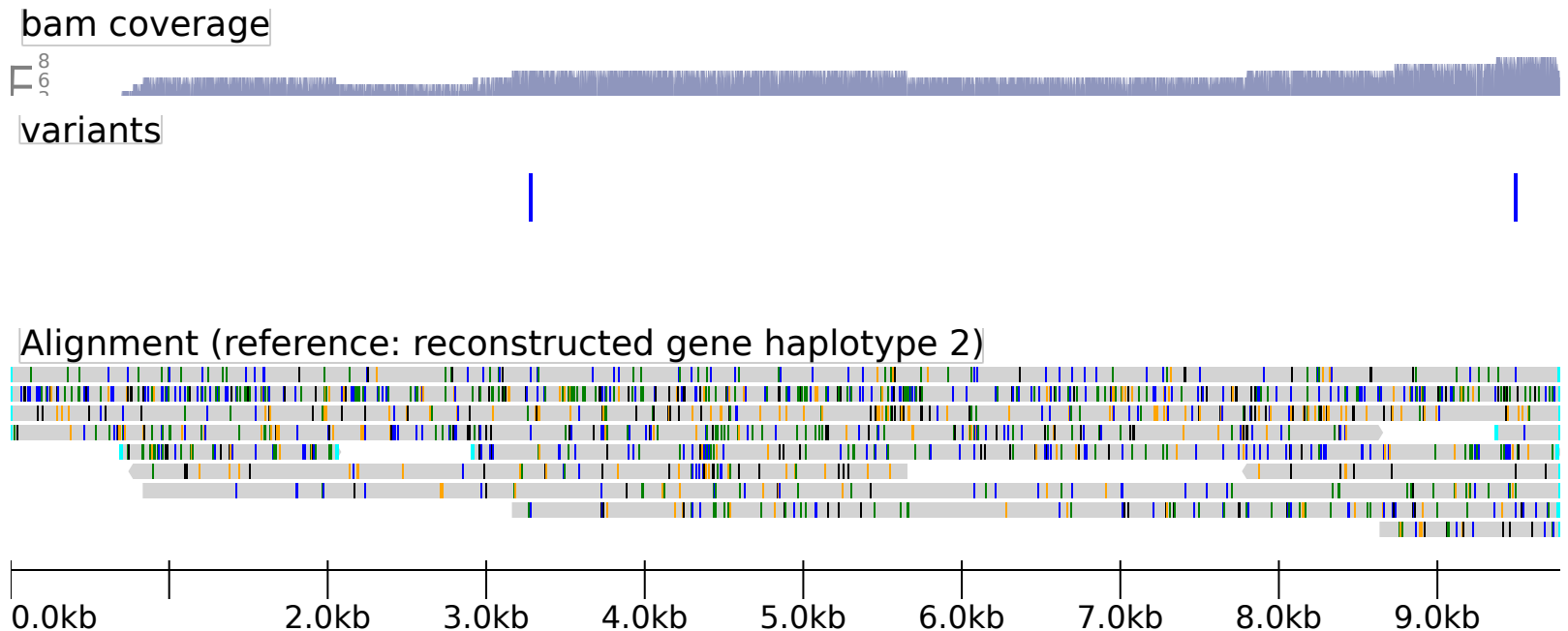
Sample: NA19819

Locus: HLA-DPA1

Resolution: 4th field

Full typing result:

HLA-DPA1*01:03:01:02



HLA-DPA1*01:03:01:02 (identity: 99.99%)

Sample: NA19819

Locus: HLA-DPA2

Resolution: 4th field

Full typing result:

HLA-DPA2*01:01:01:01

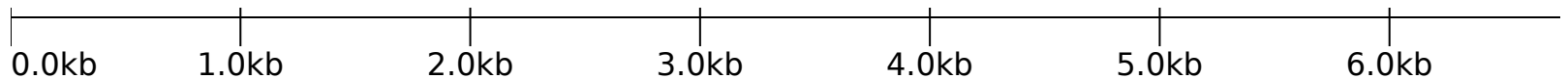
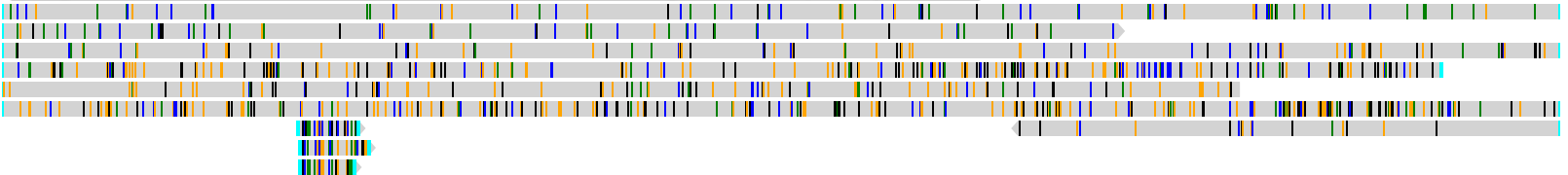
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



HLA-DPA2*01:01:01:01 (identity: 99.99%)



Sample: NA19819

Locus: HLA-DPA2

Resolution: 4th field

Full typing result:

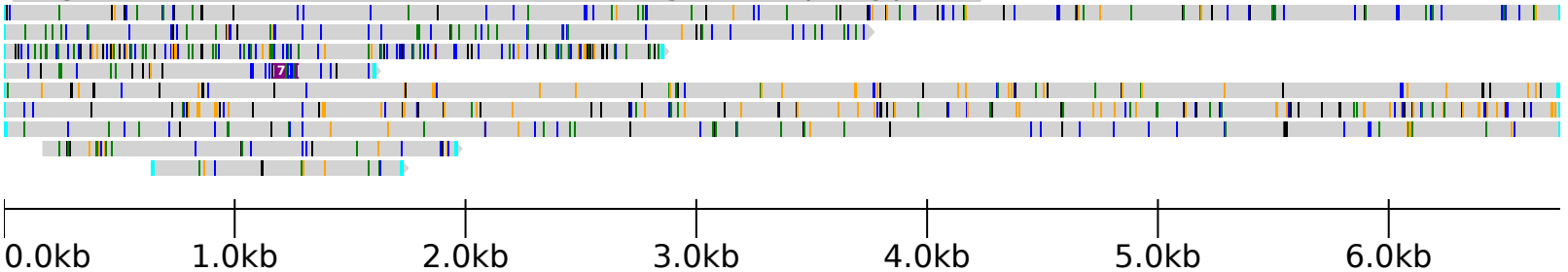
HLA-DPA2*01:01:01:03

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 1)



HLA-DPA2*01:01:01:03 (identity: 99.97%)



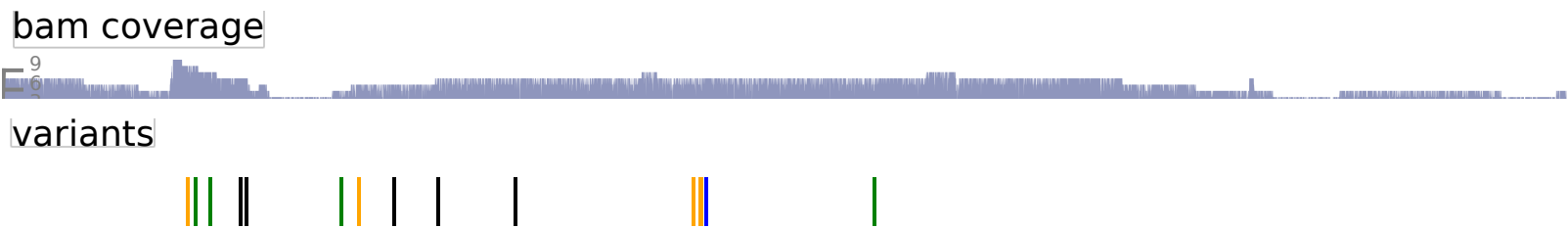
Sample: NA19819

Locus: HLA-DPB1

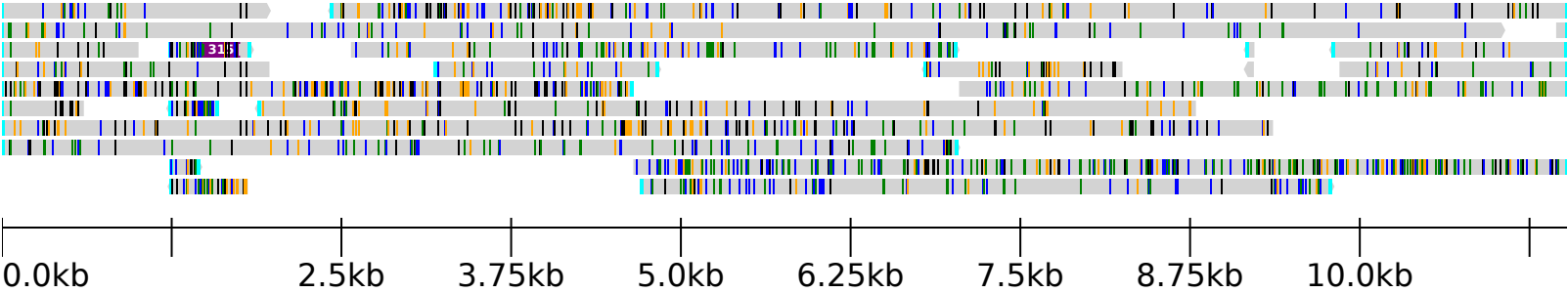
Resolution: 4th field

Full typing result:

- HLA-DPB1*02:01:02:90
- HLA-DPB1*02:01:02:10
- HLA-DPB1*02:01:02:34
- HLA-DPB1*02:01:02:60
- HLA-DPB1*02:01:02:75
- HLA-DPB1*02:01:37
- HLA-DPB1*1368:01
- HLA-DPB1*1393:01
- HLA-DPB1*02:01:02:01
- HLA-DPB1*02:01:02:55
- HLA-DPB1*1381:01
- HLA-DPB1*105:01:01:16
- HLA-DPB1*51:01:01:01
- HLA-DPB1*02:01:02:05
- HLA-DPB1*02:01:02:03



Alignment (reference: reconstructed gene haplotype 1)



- HLA-DPB1*02:01:02:90 (identity: 99.96%)
- HLA-DPB1*02:01:02:10 (identity: 99.95%)
- HLA-DPB1*02:01:02:34 (identity: 99.90%)
- HLA-DPB1*02:01:02:60 (identity: 99.94%)
- HLA-DPB1*02:01:02:75 (identity: 99.91%)
- HLA-DPB1*02:01:37 (identity: 99.94%)
- HLA-DPB1*1368:01 (identity: 99.94%)
- HLA-DPB1*1393:01 (identity: 99.94%)
- HLA-DPB1*02:01:02:01 (identity: 99.89%)
- HLA-DPB1*02:01:02:55 (identity: 99.86%)

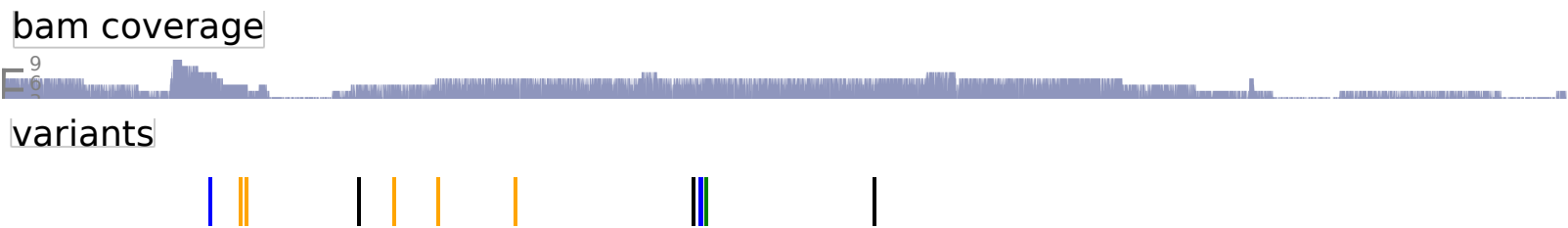
Sample: NA19819

Locus: HLA-DPB1

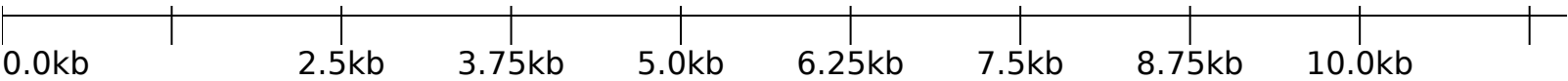
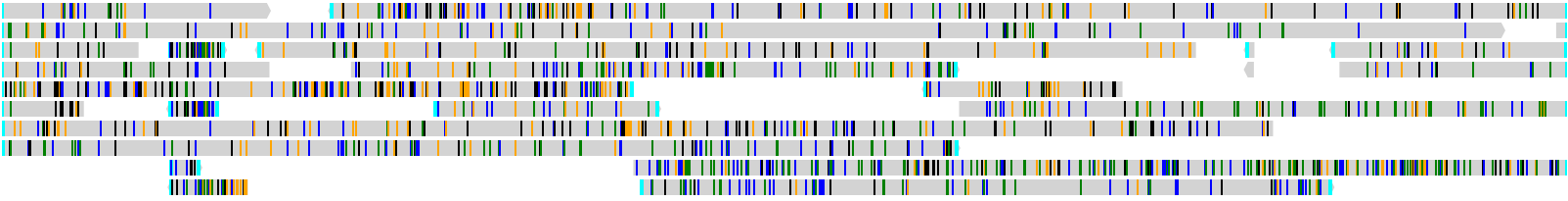
Resolution: 4th field

Full typing result:

HLA-DPB1*04:01:01:65	HLA-DPB1*04:01:01:01	HLA-DPB1*04:01:01:121
HLA-DPB1*04:01:01:30	HLA-DPB1*04:01:01:35	HLA-DPB1*04:01:01:06
HLA-DPB1*1423:01N	HLA-DPB1*04:01:01:02	HLA-DPB1*04:01:01:03
HLA-DPB1*04:01:01:04	HLA-DPB1*04:01:01:07	HLA-DPB1*04:01:01:08
HLA-DPB1*04:01:01:10	HLA-DPB1*04:01:01:101	HLA-DPB1*04:01:01:104



Alignment (reference: reconstructed gene haplotype 2)



HLA-DPB1*04:01:01:65 (identity: 99.96%)	
HLA-DPB1*04:01:01:01 (identity: 99.95%)	
HLA-DPB1*04:01:01:121 (identity: 99.93%)	
HLA-DPB1*04:01:01:30 (identity: 99.95%)	
HLA-DPB1*04:01:01:35 (identity: 99.88%)	
HLA-DPB1*04:01:01:06 (identity: 99.91%)	
HLA-DPB1*1423:01N (identity: 99.91%)	
HLA-DPB1*04:01:01:02 (identity: 99.88%)	
HLA-DPB1*04:01:01:03 (identity: 99.81%)	
HLA-DPB1*04:01:01:04 (identity: 99.91%)	

Sample: NA19819

Locus: HLA-DPB2

Resolution: 4th field

Full typing result:

HLA-DPB2*03:01:01:01

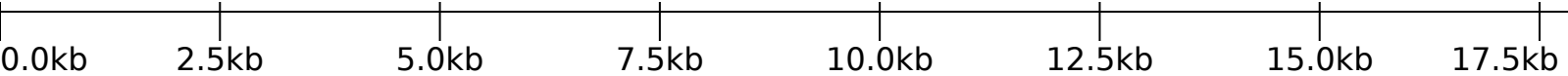
bam coverage

40
26
14

variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DPB2*03:01:01:01 (identity: 99.94%)



Sample: NA19819

Locus: HLA-DQA1

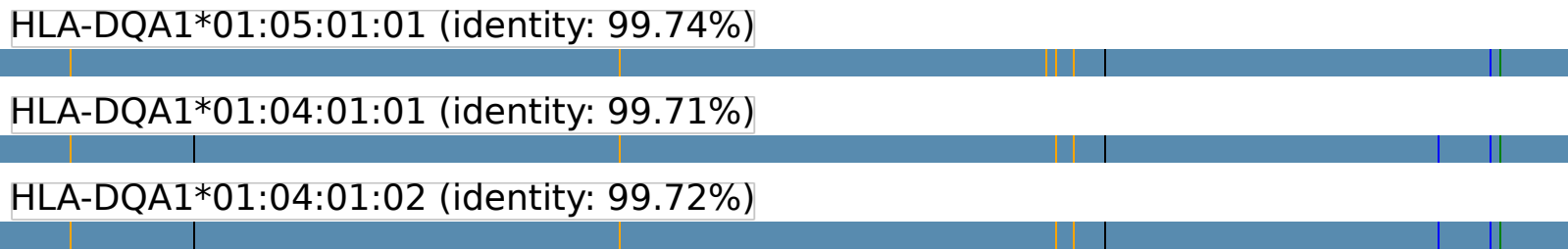
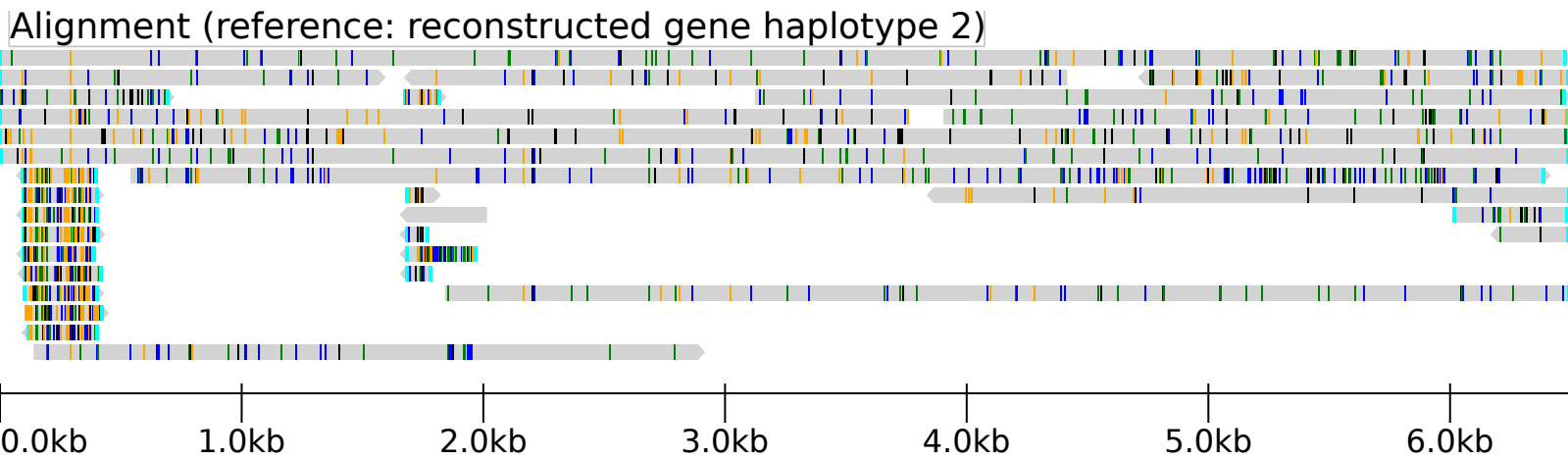
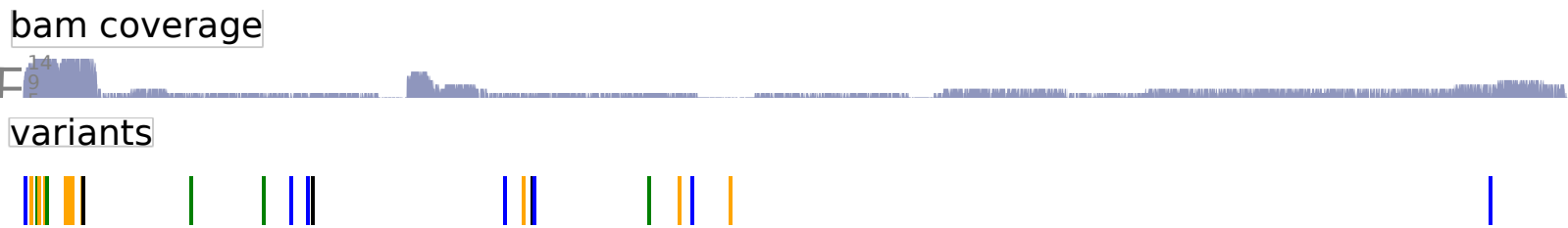
Resolution: 4th field

Full typing result:

HLA-DQA1*01:05:01:01

HLA-DQA1*01:04:01:01

HLA-DQA1*01:04:01:02



Sample: NA19819

Locus: HLA-DQA1

Resolution: 4th field

Full typing result:

HLA-DQA1*01:01:01:01 HLA-DQA1*01:01:01:05

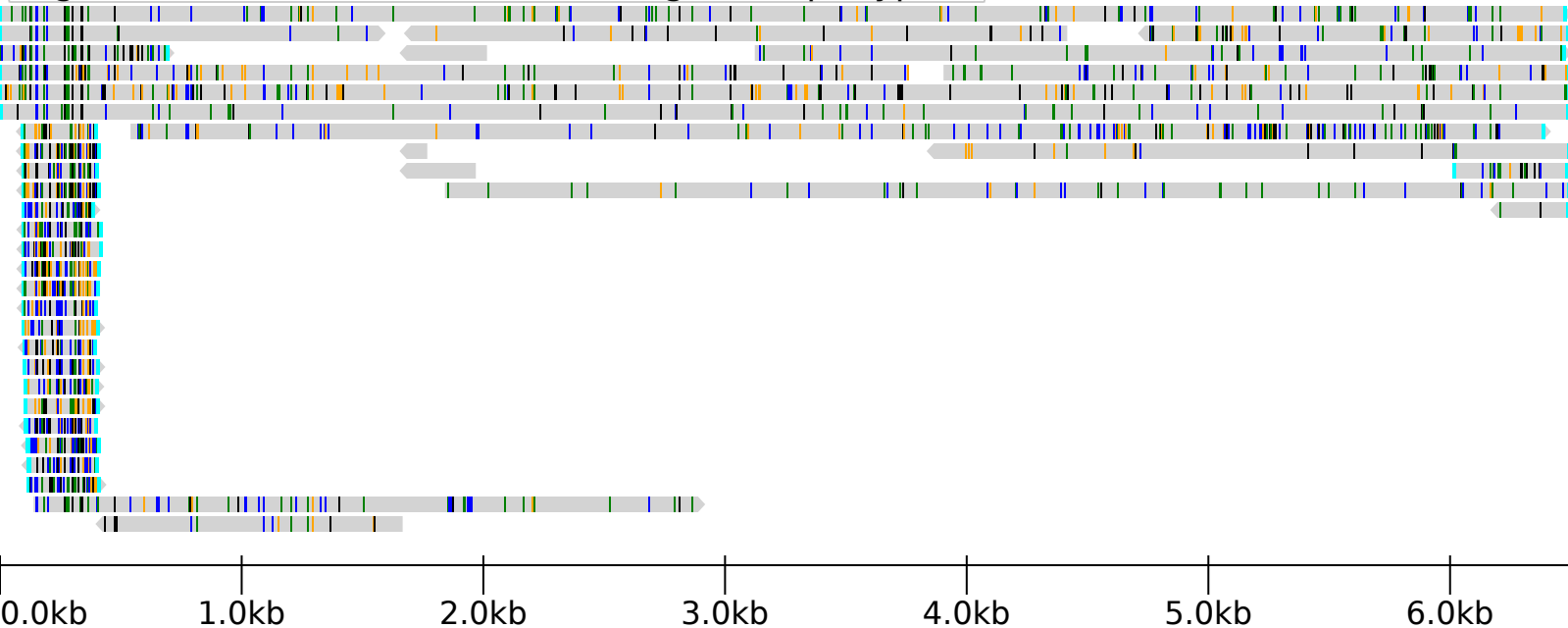
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DQA1*01:01:01:01 (identity: 99.80%)



HLA-DQA1*01:01:01:05 (identity: 99.78%)



Sample: NA19819

Locus: HLA-DQA2

Resolution: 4th field

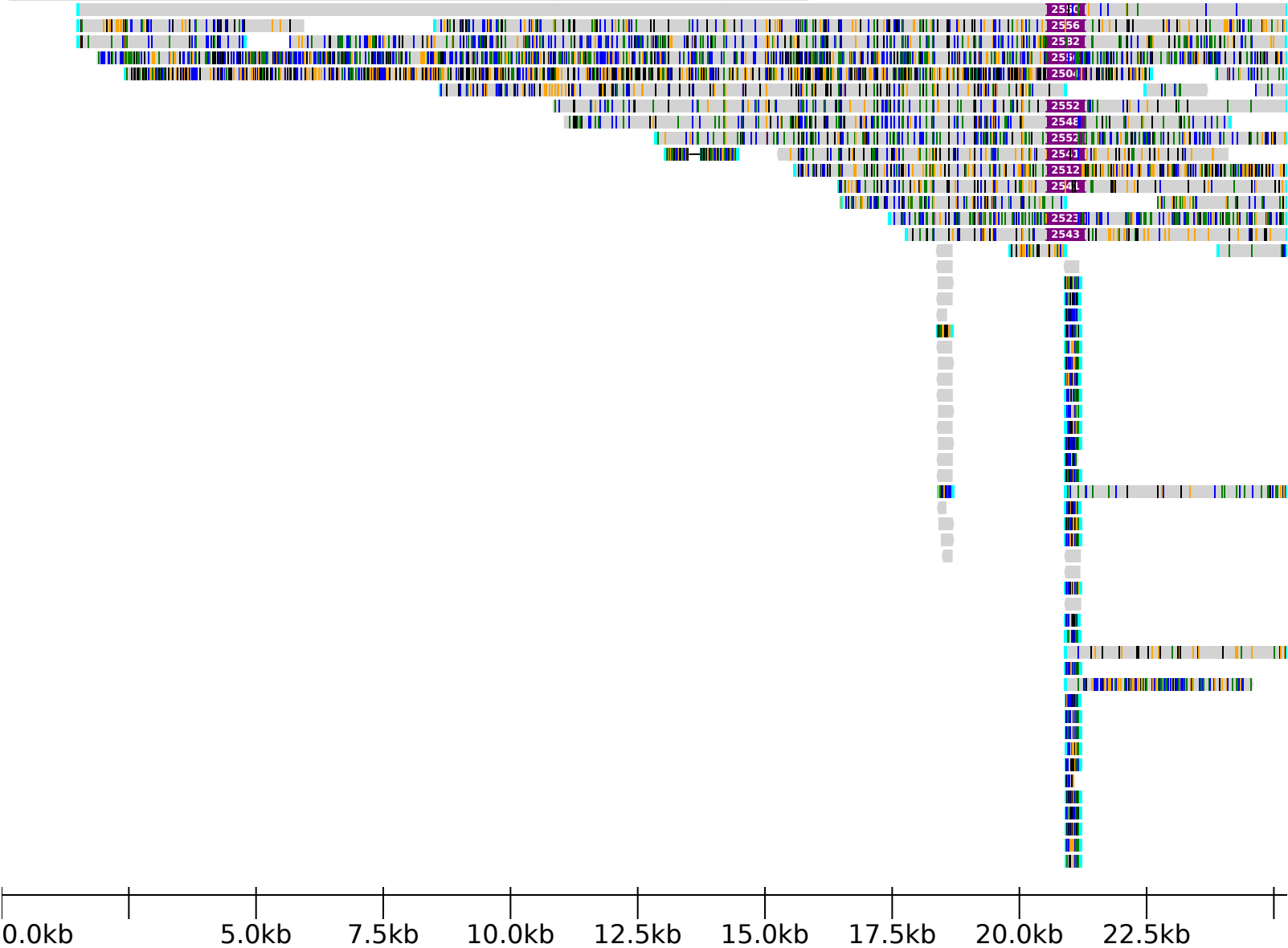
Full typing result:

HLA-DQA2*01:01:02:01

bam coverage



Alignment (reference: reconstructed gene haplotype 1)



HLA-DQA2*01:01:02:01 (identity: 99.98%)



Sample: NA19819

Locus: HLA-DQB1

Resolution: 4th field

Full typing result:

HLA-DQB1*05:01:01:02

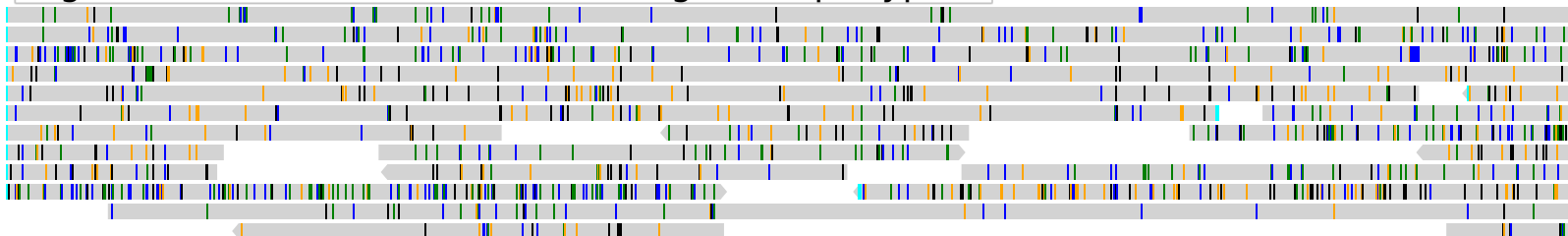
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb 1.0kb 2.0kb 3.0kb 4.0kb 5.0kb 6.0kb 7.0kb

HLA-DQB1*05:01:01:02 (identity: 100.00%)



Sample: NA19819

Locus: HLA-DQB1

Resolution: 4th field

Full typing result:

HLA-DQB1*05:01:01:03

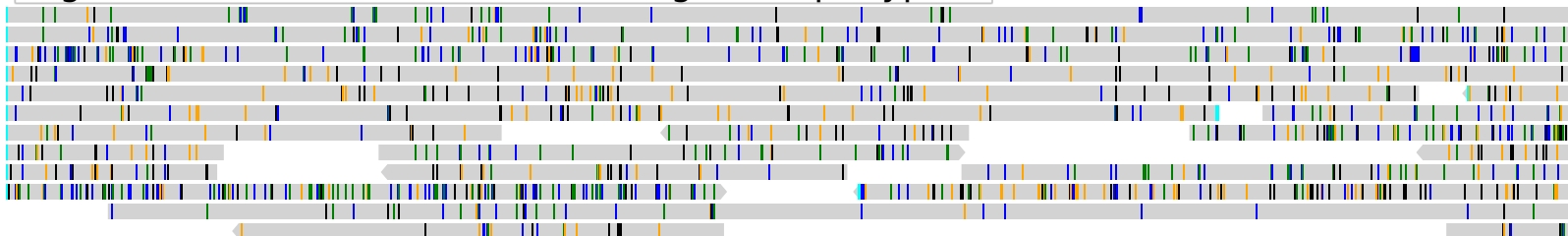
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



0.0kb 1.0kb 2.0kb 3.0kb 4.0kb 5.0kb 6.0kb 7.0kb

HLA-DQB1*05:01:01:03 (identity: 99.99%)



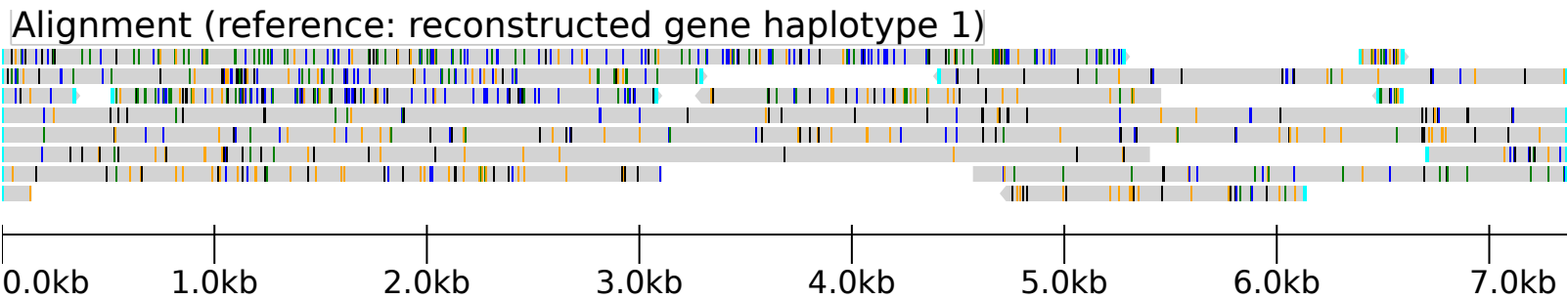
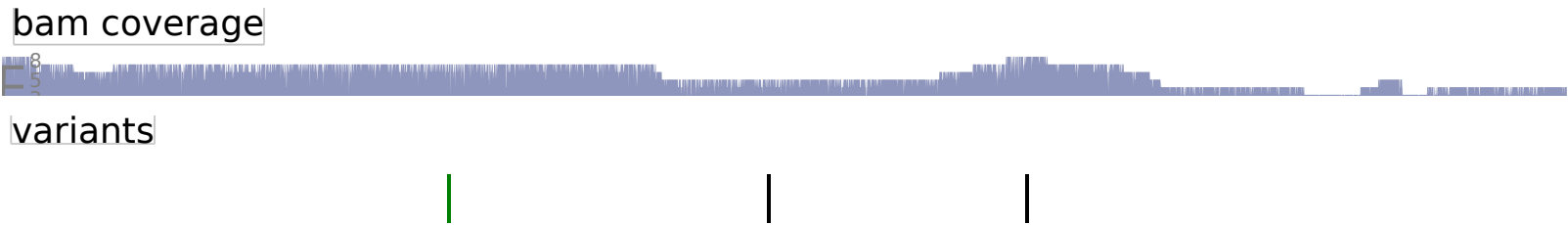
Sample: NA19819

Locus: HLA-DQB2

Resolution: 4th field

Full typing result:

HLA-DQB2*01:01:01:01	HLA-DQB2*01:01:01:13	HLA-DQB2*01:04
HLA-DQB2*01:07:01:01	HLA-DQB2*01:07:01:02	HLA-DQB2*01:07:01:03
HLA-DQB2*01:07:01:04	HLA-DQB2*01:02:01:01	HLA-DQB2*01:02:01:02
HLA-DQB2*01:02:01:03	HLA-DQB2*01:02:01:04	



HLA-DQB2*01:01:01:01 (identity: 99.99%)	
HLA-DQB2*01:01:01:13 (identity: 99.99%)	
HLA-DQB2*01:04 (identity: 99.94%)	
HLA-DQB2*01:07:01:01 (identity: 99.95%)	
HLA-DQB2*01:07:01:02 (identity: 99.94%)	
HLA-DQB2*01:07:01:03 (identity: 99.97%)	
HLA-DQB2*01:07:01:04 (identity: 99.96%)	
HLA-DQB2*01:02:01:01 (identity: 99.29%)	
HLA-DQB2*01:02:01:02 (identity: 99.27%)	
HLA-DQB2*01:02:01:03 (identity: 99.30%)	

Sample: NA19819

Locus: HLA-DQB2

Resolution: 4th field

Full typing result:

- HLA-DQB2*01:01:01:15HLA-DQB2*01:04HLA-DQB2*01:07:01:01
- HLA-DQB2*01:07:01:02HLA-DQB2*01:07:01:03HLA-DQB2*01:07:01:04
- HLA-DQB2*01:10NHLA-DQB2*01:02:04HLA-DQB2*01:08
- HLA-DQB2*01:02:01:01HLA-DQB2*01:02:01:02HLA-DQB2*01:02:01:03
- HLA-DQB2*01:02:01:04HLA-DQB2*01:01:01:03HLA-DQB2*01:01:01:04
- HLA-DQB2*01:01:01:06HLA-DQB2*01:05HLA-DQB2*01:01:01:09
- HLA-DQB2*01:01:01:10HLA-DQB2*01:01:01:11

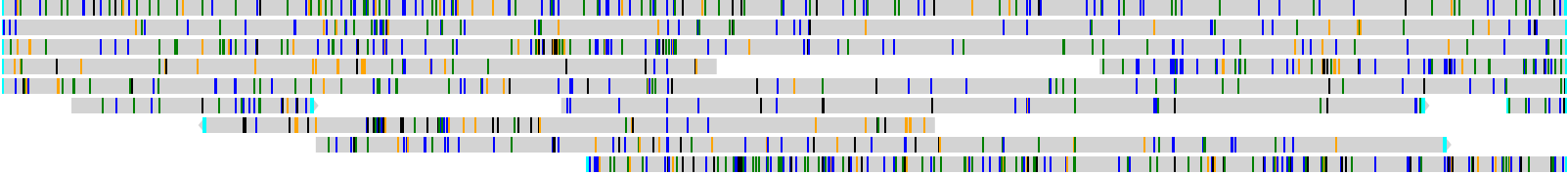
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



- HLA-DQB2*01:01:01:15 (identity: 99.93%)
- HLA-DQB2*01:04 (identity: 99.92%)
- HLA-DQB2*01:07:01:01 (identity: 99.92%)
- HLA-DQB2*01:07:01:02 (identity: 99.94%)
- HLA-DQB2*01:07:01:03 (identity: 99.94%)
- HLA-DQB2*01:07:01:04 (identity: 99.93%)
- HLA-DQB2*01:10N (identity: 99.92%)
- HLA-DQB2*01:02:04 (identity: 99.37%)
- HLA-DQB2*01:08 (identity: 99.39%)
- HLA-DQB2*01:02:01:01 (identity: 99.28%)

Sample: NA19819

Locus: HLA-DRA

Resolution: 4th field

Full typing result:

HLA-DRA*01:02:02:02

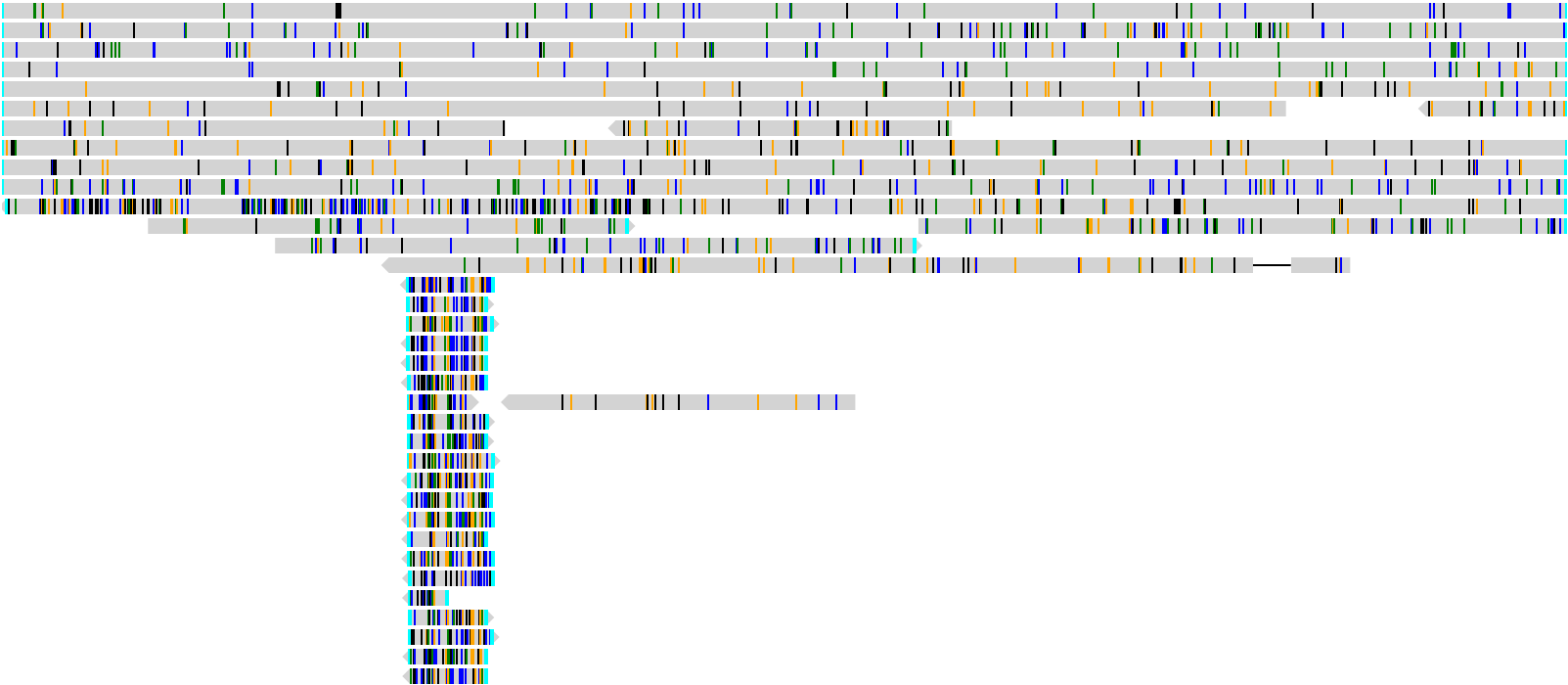
bam coverage

30
20
10

variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

4.0kb

5.0kb

HLA-DRA*01:02:02:02 (identity: 100.00%)



Sample: NA19819

Locus: HLA-DRA

Resolution: 4th field

Full typing result:

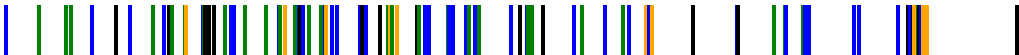
HLA-DRA*01:01:01:04

HLA-DRA*01:01:01:05

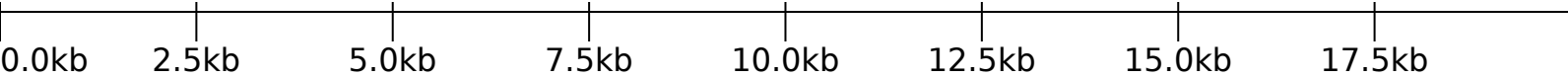
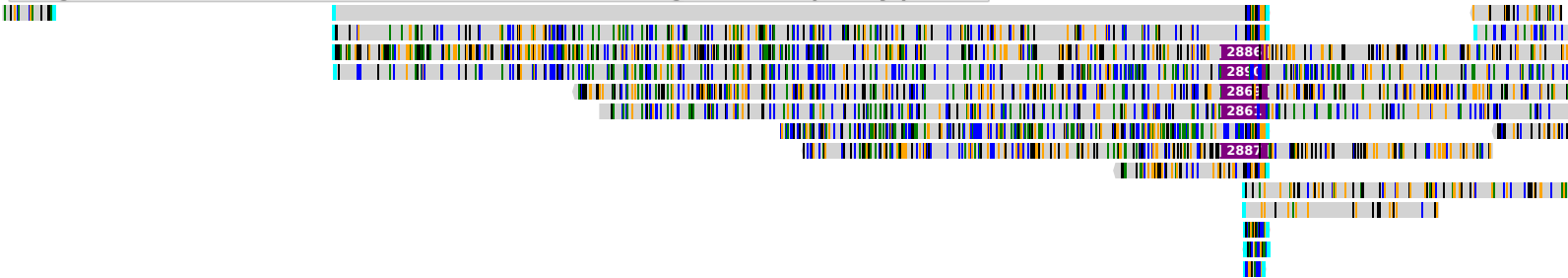
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



HLA-DRA*01:01:01:04 (identity: 100.00%)



HLA-DRA*01:01:01:05 (identity: 100.00%)



HLA-DRB1*01:117 (identity: 97.08%)

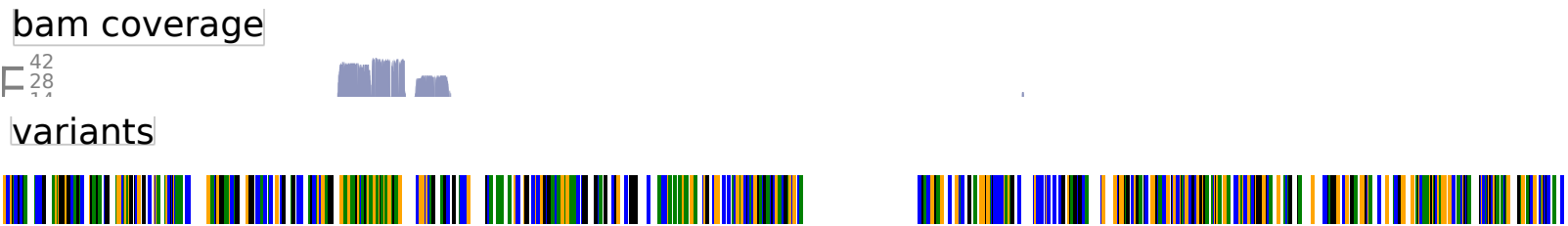
Sample: NA19819

Locus: HLA-DRB1

Resolution: 4th field

Full typing result:

HLA-DRB1*12:02:01:01	HLA-DRB1*12:01:01:04	HLA-DRB1*12:01:01:05
HLA-DRB1*12:01:01:06	HLA-DRB1*12:02:01:02	HLA-DRB1*12:01:01:15
HLA-DRB1*12:01:01:03	HLA-DRB1*12:01:01:10	HLA-DRB1*12:02:01:03
HLA-DRB1*12:02:01:04	HLA-DRB1*12:02:01:10	



Alignment (reference: reconstructed gene haplotype 1)



HLA-DRB1*12:02:01:01 (identity: 99.62%)	
HLA-DRB1*12:01:01:04 (identity: 99.47%)	
HLA-DRB1*12:01:01:05 (identity: 99.49%)	
HLA-DRB1*12:01:01:06 (identity: 99.51%)	
HLA-DRB1*12:02:01:02 (identity: 99.61%)	
HLA-DRB1*12:01:01:15 (identity: 99.52%)	
HLA-DRB1*12:01:01:03 (identity: 99.50%)	
HLA-DRB1*12:01:01:10 (identity: 99.50%)	
HLA-DRB1*12:02:01:03 (identity: 99.56%)	
HLA-DRB1*12:02:01:04 (identity: 99.54%)	

Sample: NA19819

Locus: HLA-DRB3

Resolution: 4th field

Full typing result:

HLA-DRB3*02:02:01:02

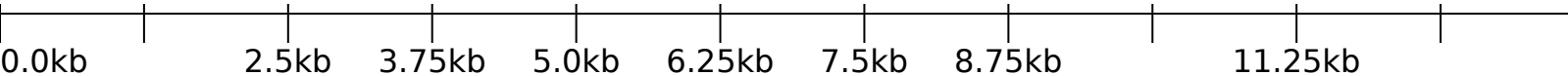
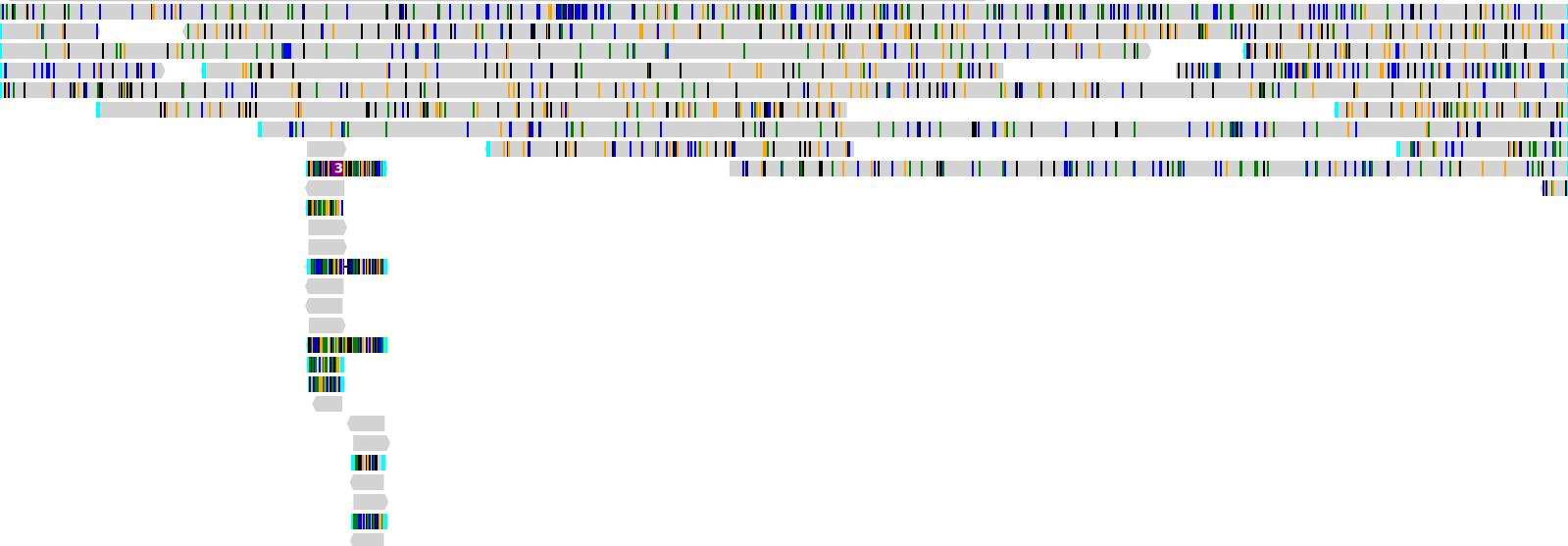
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DRB3*02:02:01:02 (identity: 99.96%)



Sample: NA19819

Locus: HLA-DRB4

Resolution: 4th field

Full typing result:

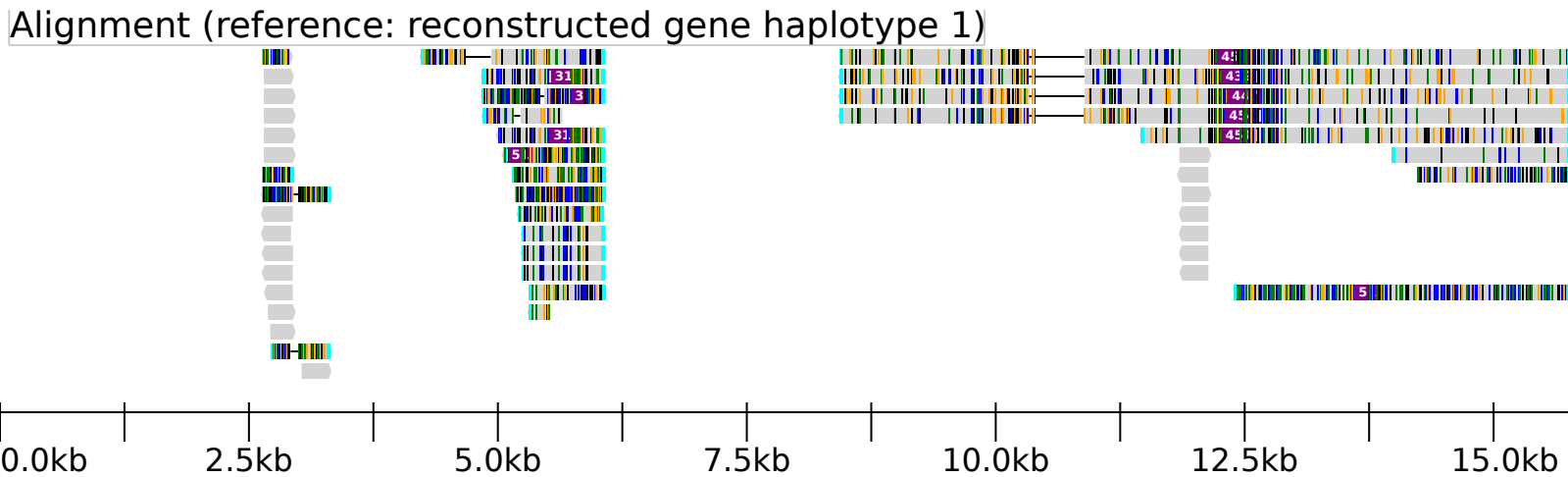
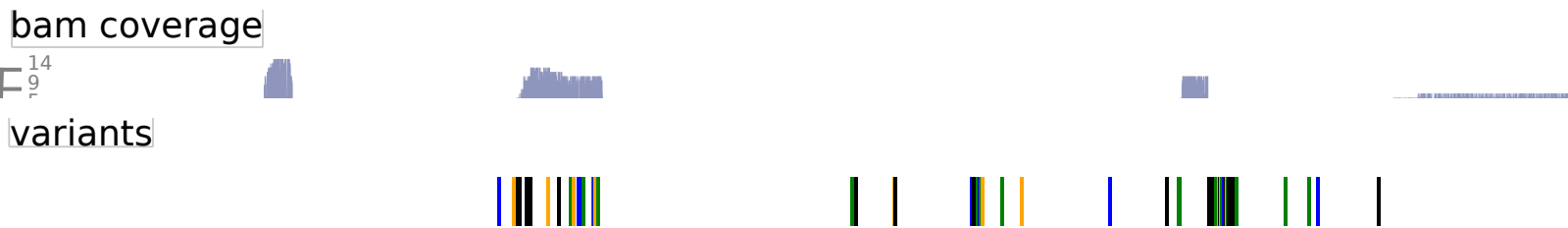
HLA-DRB4*01:03:01:01

HLA-DRB4*01:03:01:03

HLA-DRB4*01:03:01:18

HLA-DRB4*01:03:01:02N

HLA-DRB4*01:152



HLA-DRB4*01:03:01:01 (identity: 89.40%)	
HLA-DRB4*01:03:01:03 (identity: 89.40%)	
HLA-DRB4*01:03:01:18 (identity: 89.40%)	
HLA-DRB4*01:03:01:02N (identity: 89.38%)	
HLA-DRB4*01:152 (identity: 89.38%)	

Sample: NA19819

Locus: HLA-DRB4

Resolution: 4th field

Full typing result:

- HLA-DRB4*01:03:01:05
- HLA-DRB4*01:03:01:07
- HLA-DRB4*01:03:01:08
- HLA-DRB4*01:03:01:12
- HLA-DRB4*01:03:02:01
- HLA-DRB4*01:03:02:02
- HLA-DRB4*01:03:01:06

bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



- HLA-DRB4*01:03:01:05 (identity: 80.13%)
- HLA-DRB4*01:03:01:07 (identity: 80.13%)
- HLA-DRB4*01:03:01:08 (identity: 80.13%)
- HLA-DRB4*01:03:01:12 (identity: 80.13%)
- HLA-DRB4*01:03:02:01 (identity: 80.13%)
- HLA-DRB4*01:03:02:02 (identity: 80.13%)
- HLA-DRB4*01:03:01:06 (identity: 80.08%)

Sample: NA19819

Locus: HLA-DRB5

Resolution: 4th field

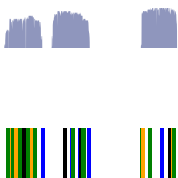
Full typing result:

HLA-DRB5*01:03

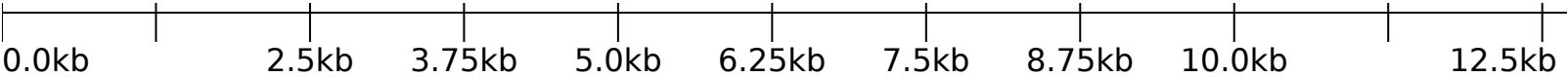
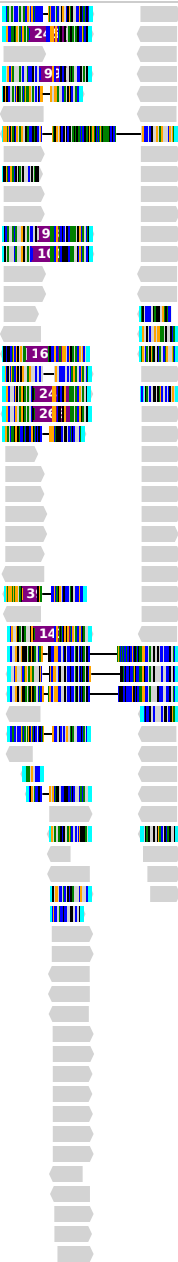
bam coverage

38
25

variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-DRB5*01:03 (identity: 67.27%)



Sample: NA19819

Locus: HLA-E

Resolution: 4th field

Full typing result:

HLA-E*01:03:01:01

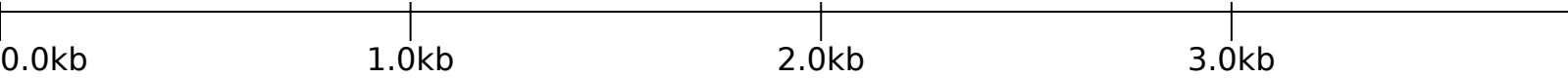
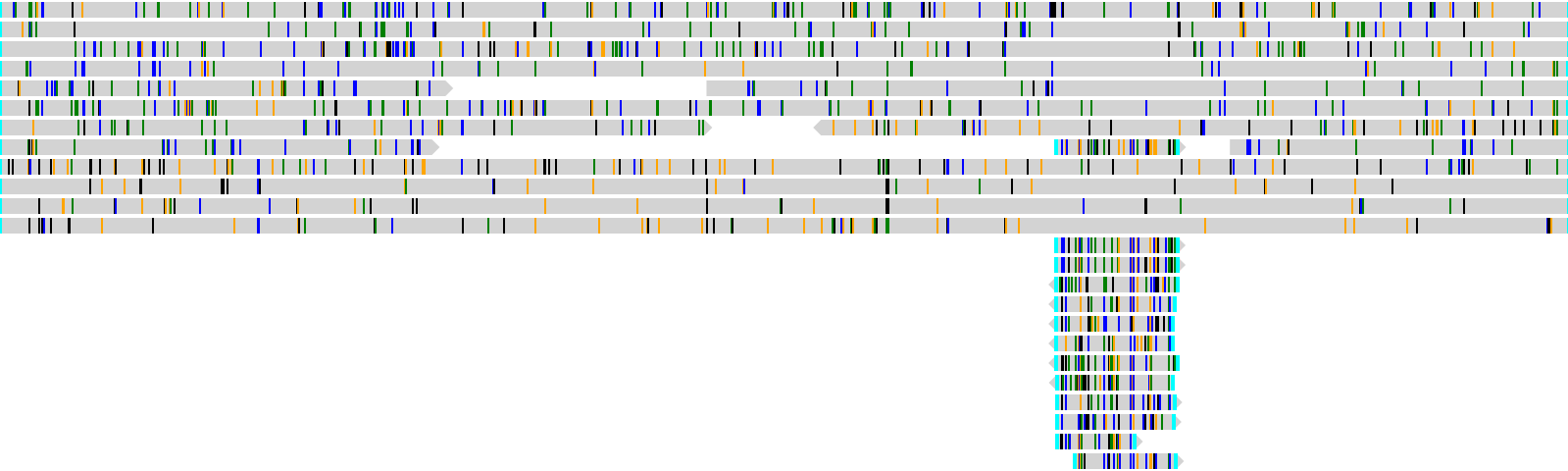
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



HLA-E*01:03:01:01 (identity: 100.00%)



Sample: NA19819

Locus: HLA-F

Resolution: 4th field

Full typing result:

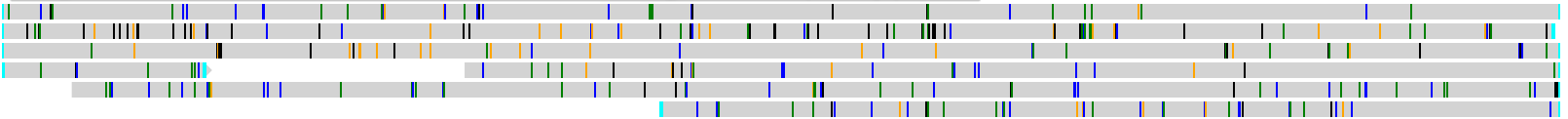
HLA-F*01:01:01:01

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-F*01:01:01:01 (identity: 100.00%)

Sample: NA19819

Locus: HLA-F

Resolution: 4th field

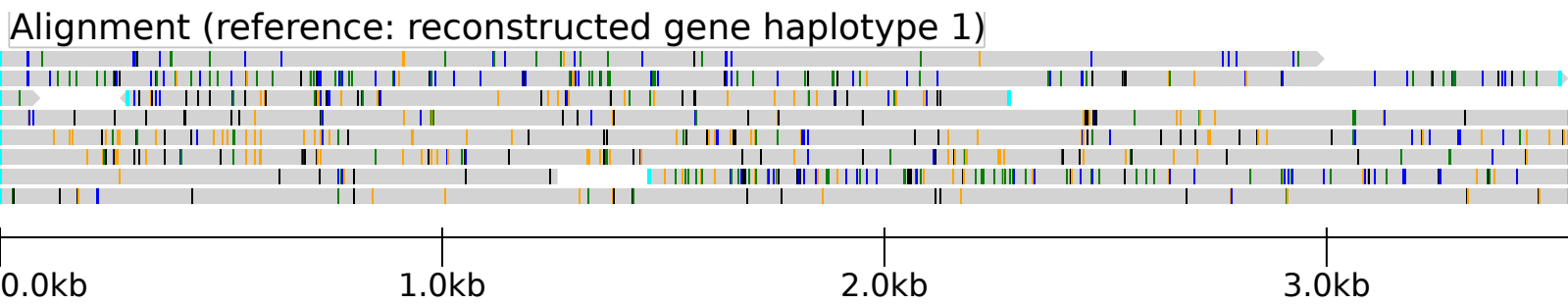
Full typing result:

HLA-F*01:01:01:18

HLA-F*01:01:01:19

HLA-F*01:01:01:23

HLA-F*01:01:01:24



HLA-F*01:01:01:18 (identity: 99.97%)	
HLA-F*01:01:01:19 (identity: 99.86%)	
HLA-F*01:01:01:23 (identity: 99.94%)	
HLA-F*01:01:01:24 (identity: 99.94%)	

Sample: NA19819

Locus: HLA-G

Resolution: 4th field

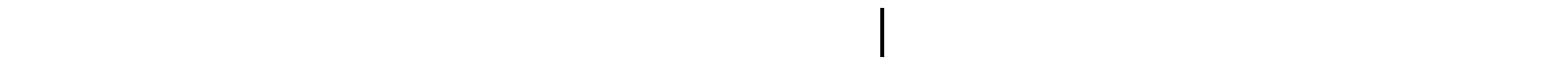
Full typing result:

HLA-G*01:01:01:01

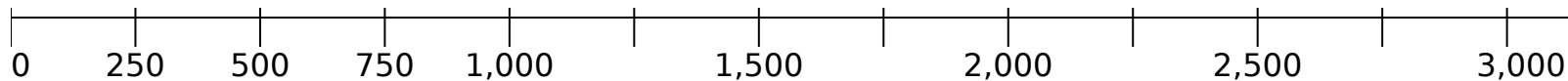
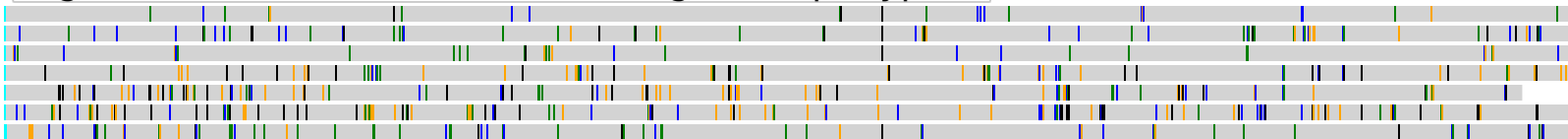
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



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



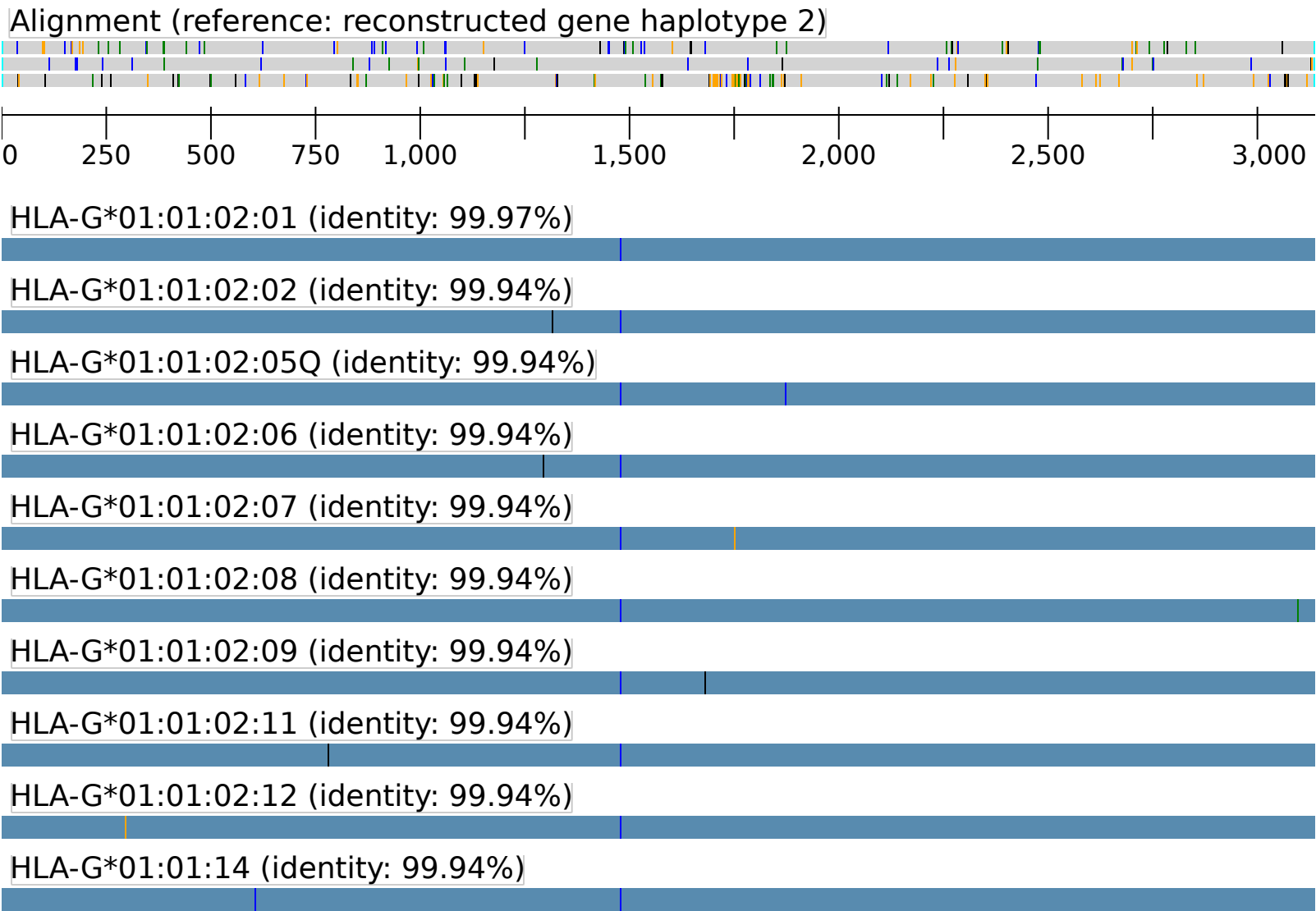
Sample: NA19819

Locus: HLA-G

Resolution: 4th field

Full typing result:

- HLA-G*01:01:02:01
- HLA-G*01:01:02:02
- HLA-G*01:01:02:05Q
- HLA-G*01:01:02:06
- HLA-G*01:01:02:07
- HLA-G*01:01:02:08
- HLA-G*01:01:02:09
- HLA-G*01:01:02:11
- HLA-G*01:01:02:12
- HLA-G*01:01:14
- HLA-G*01:05:01N
- HLA-G*01:06:01:01
- HLA-G*01:26
- HLA-G*01:44
- HLA-G*01:45



Sample: NA19819

Locus: HLA-H

Resolution: 4th field

Full typing result:

HLA-H*01:01:01:01

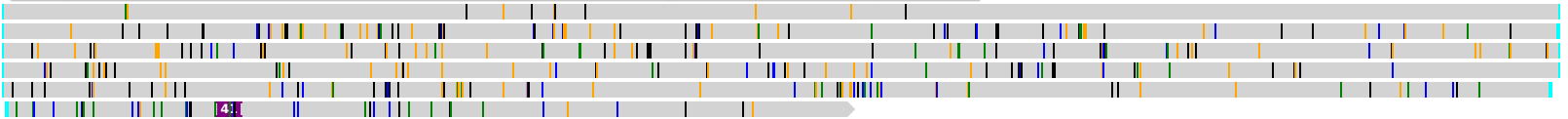
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-H*01:01:01:01 (identity: 99.94%)



Sample: NA19819

Locus: HLA-H

Resolution: 4th field

Full typing result:

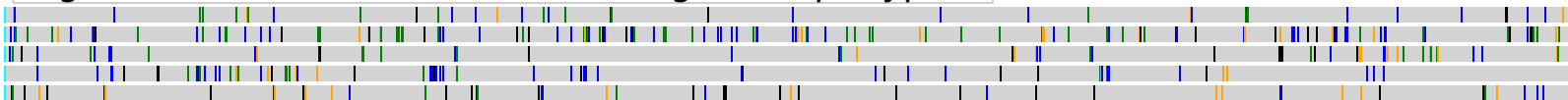
HLA-H*02:05:01:01

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-H*02:05:01:01 (identity: 100.00%)

Sample: NA19819

Locus: HLA-J

Resolution: 4th field

Full typing result:

HLA-J*01:01:01:05

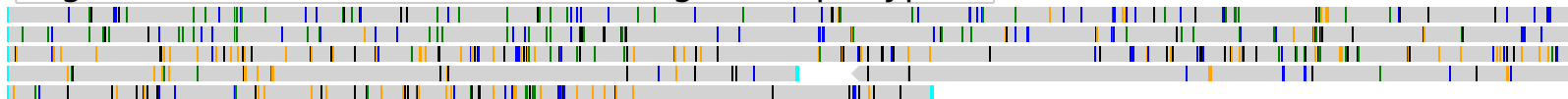
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

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

Sample: NA19819

Locus: HLA-K

Resolution: 4th field

Full typing result:

HLA-K*01:02

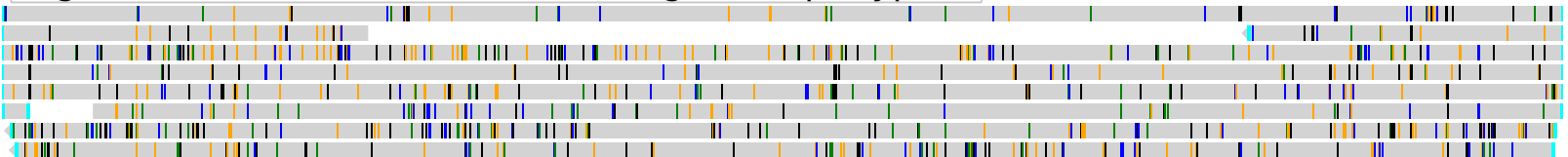
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0.0kb

1.0kb

2.0kb

3.0kb

HLA-K*01:02 (identity: 99.97%)



Sample: NA19819

Locus: HLA-L

Resolution: 4th field

Full typing result:

HLA-L*01:01:01:01

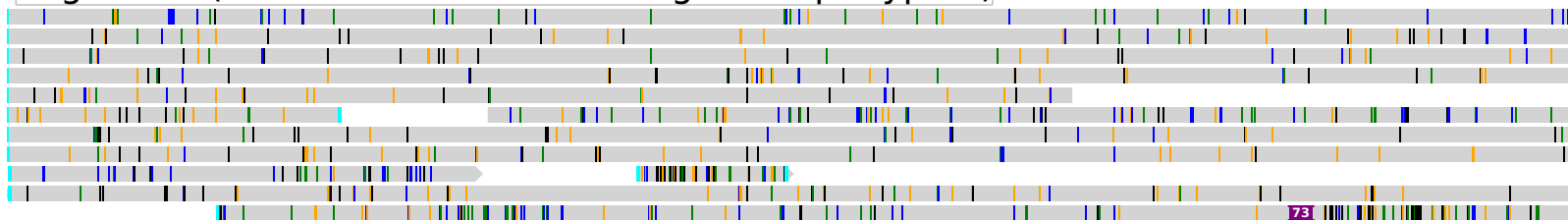
bam coverage



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: NA19819

Locus: HLA-N

Resolution: 4th field

Full typing result:

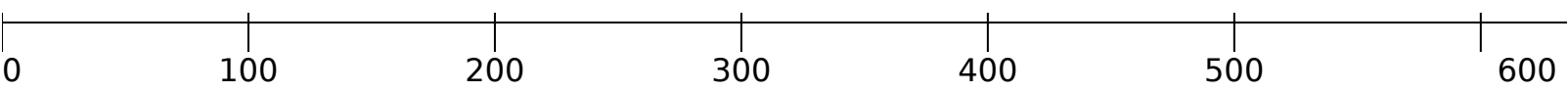
HLA-N*01:01:01:03

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 1)



HLA-N*01:01:01:03 (identity: 97.17%)



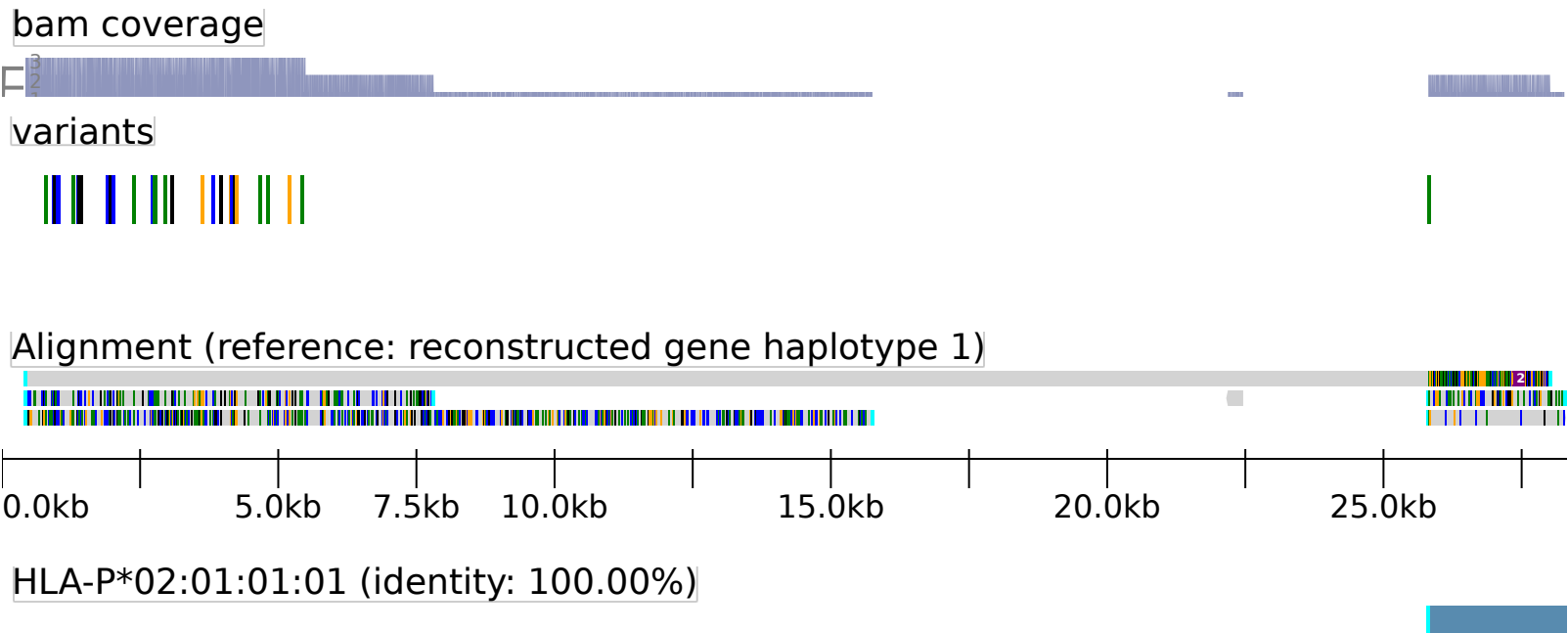
Sample: NA19819

Locus: HLA-P

Resolution: 4th field

Full typing result:

HLA-P*02:01:01:01



Sample: NA19819

Locus: HLA-P

Resolution: 4th field

Full typing result:

HLA-P*01:02

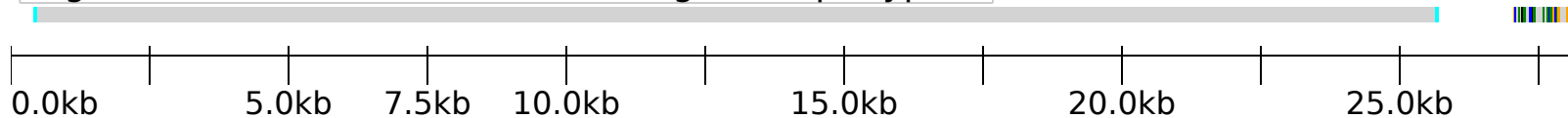
HLA-P*01:01:01:01

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



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

HLA-P*01:01:01:01 (identity: 99.96%)



Sample: NA19819

Locus: HLA-T

Resolution: 4th field

Full typing result:

HLA-T*01:01:01:05

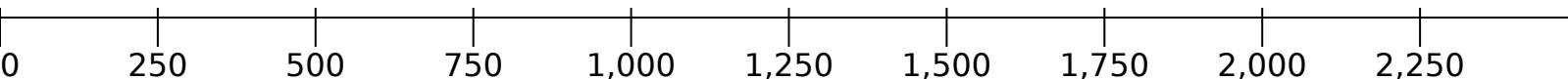
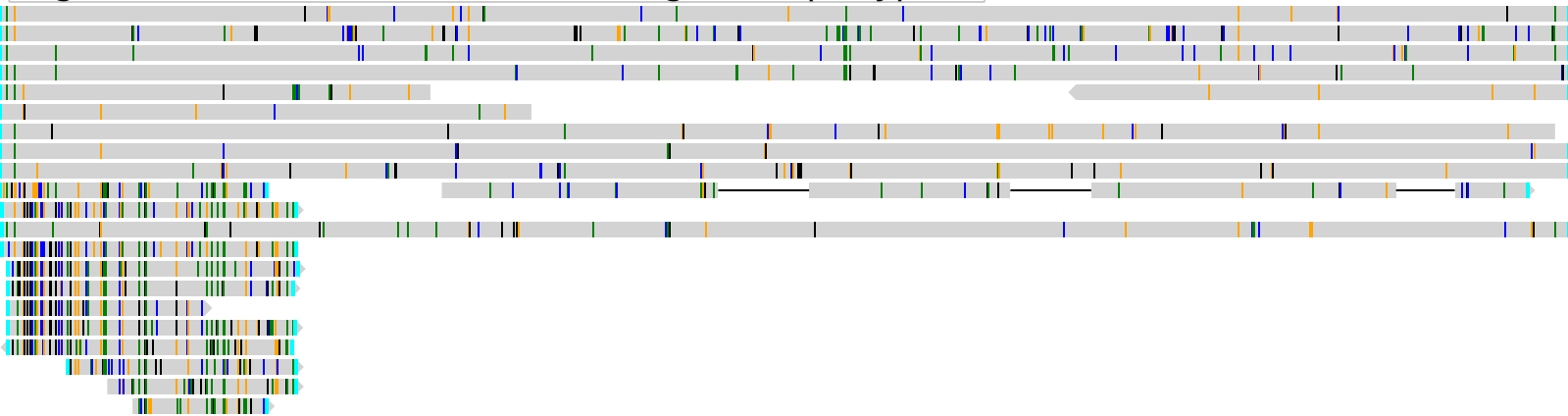
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



Sample: NA19819

Locus: HLA-U

Resolution: 4th field

Full typing result:

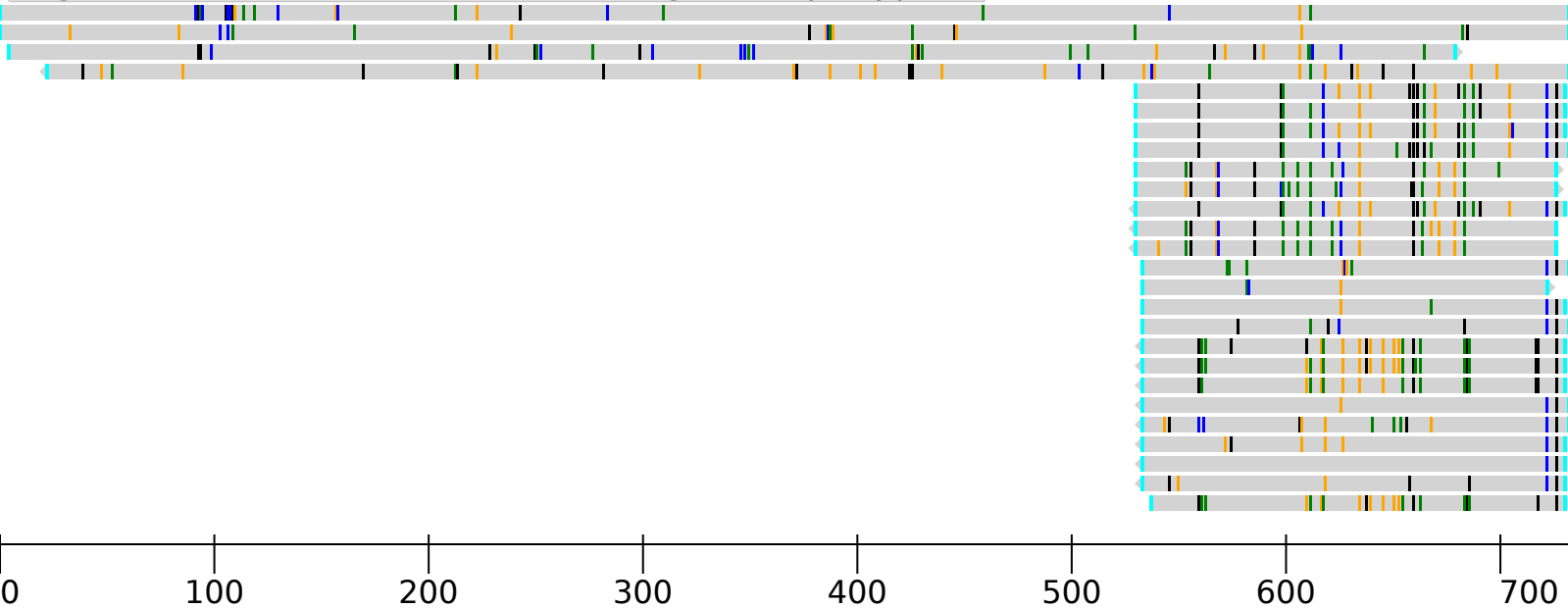
HLA-U*01:03

bam coverage

23
15
5

variants

Alignment (reference: reconstructed gene haplotype 1)



HLA-U*01:03 (identity: 99.73%)



Sample: NA19819

Locus: HLA-W

Resolution: 4th field

Full typing result:

HLA-W*03:01:01:01

HLA-W*03:01:01:02

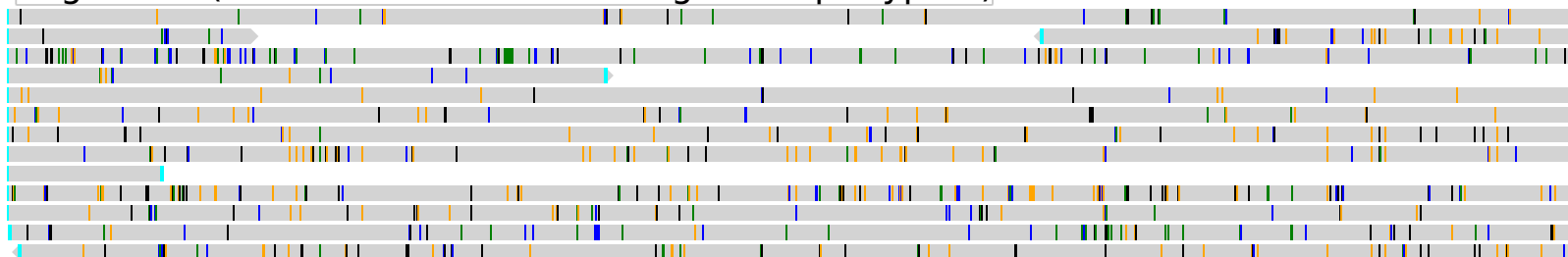
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



0 250 500 750 1,000 1,250 1,500 1,750 2,000 2,250 2,500 2,750

HLA-W*03:01:01:01 (identity: 100.00%)

HLA-W*03:01:01:02 (identity: 99.97%)

Sample: NA19819

Locus: MICA

Resolution: 4th field

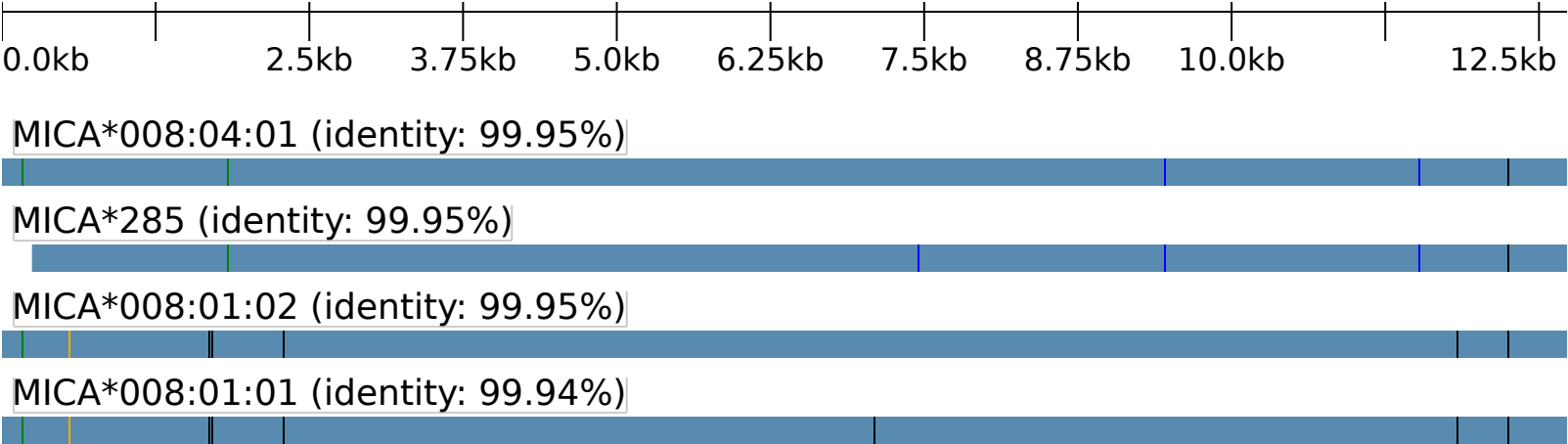
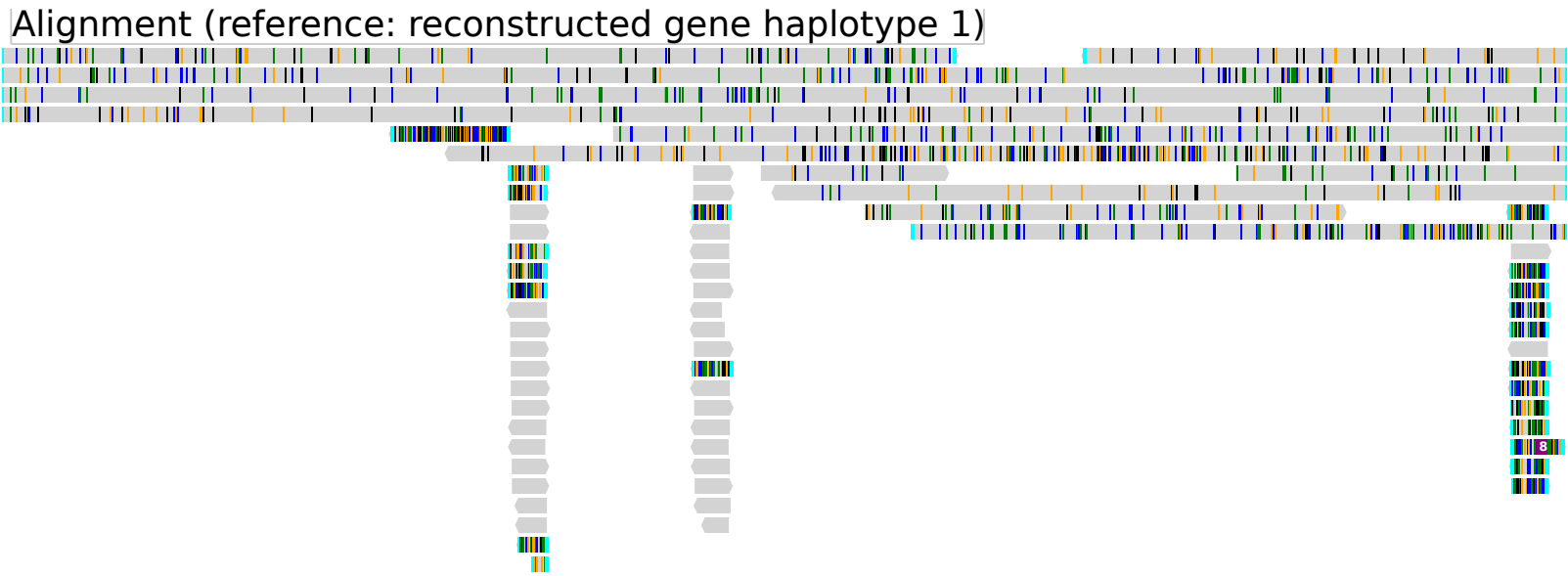
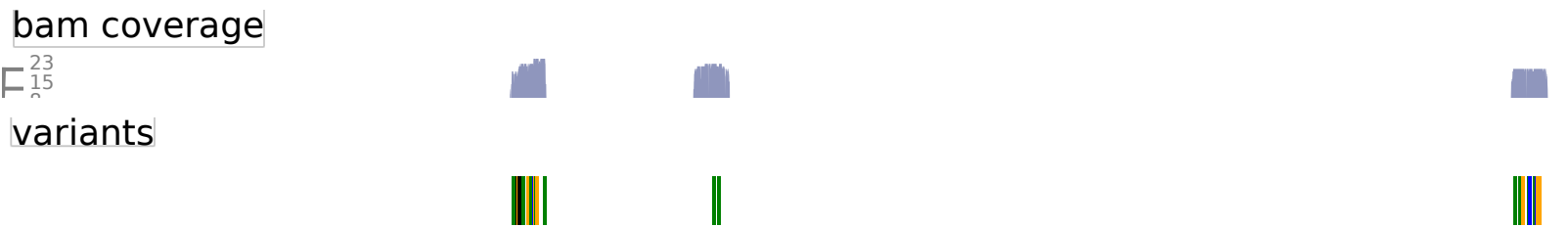
Full typing result:

MICA*008:04:01

MICA*285

MICA*008:01:02

MICA*008:01:01

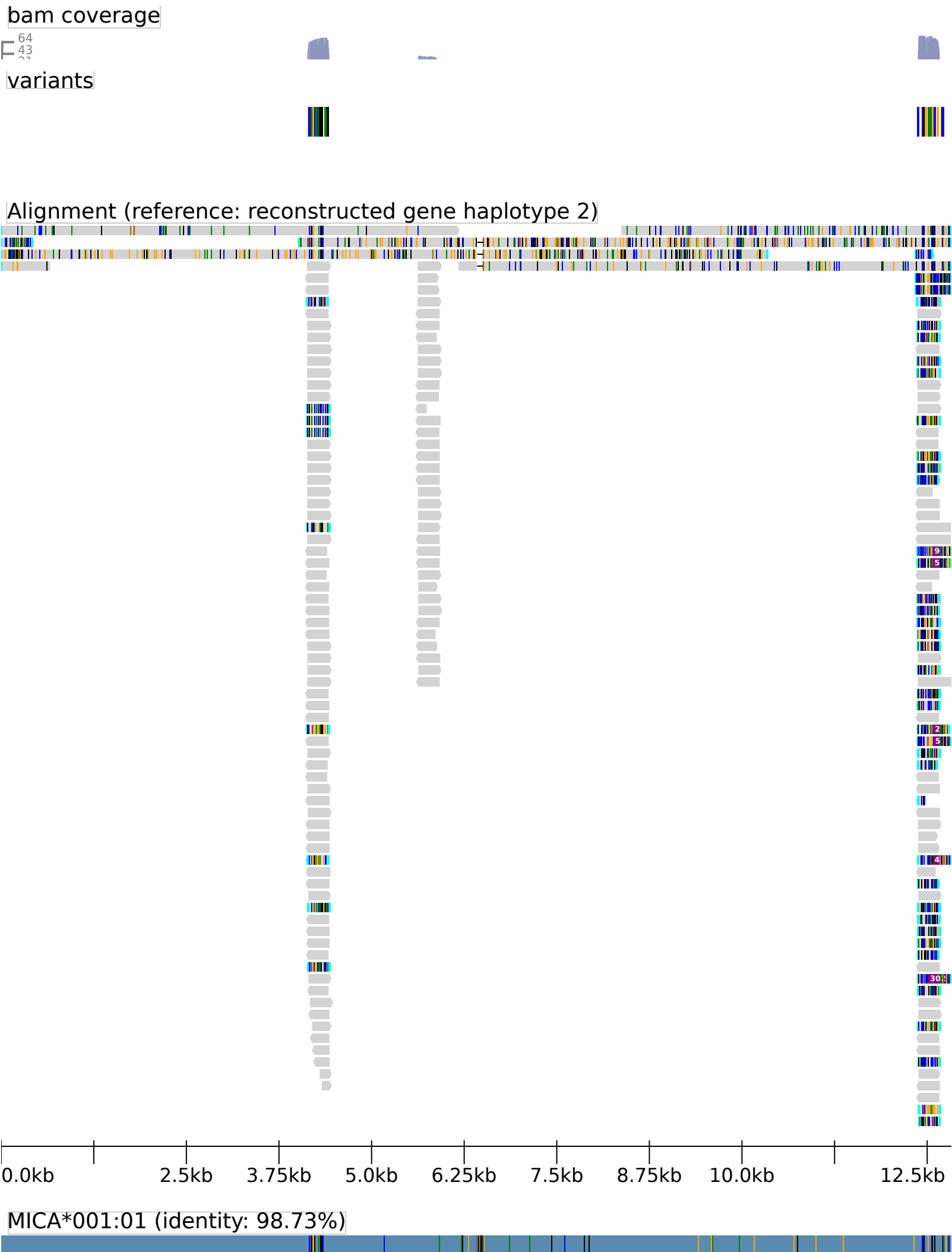


Sample: NA19819

Locus: MICA

Resolution: 4th field

Full typing result:

MICA*001:01

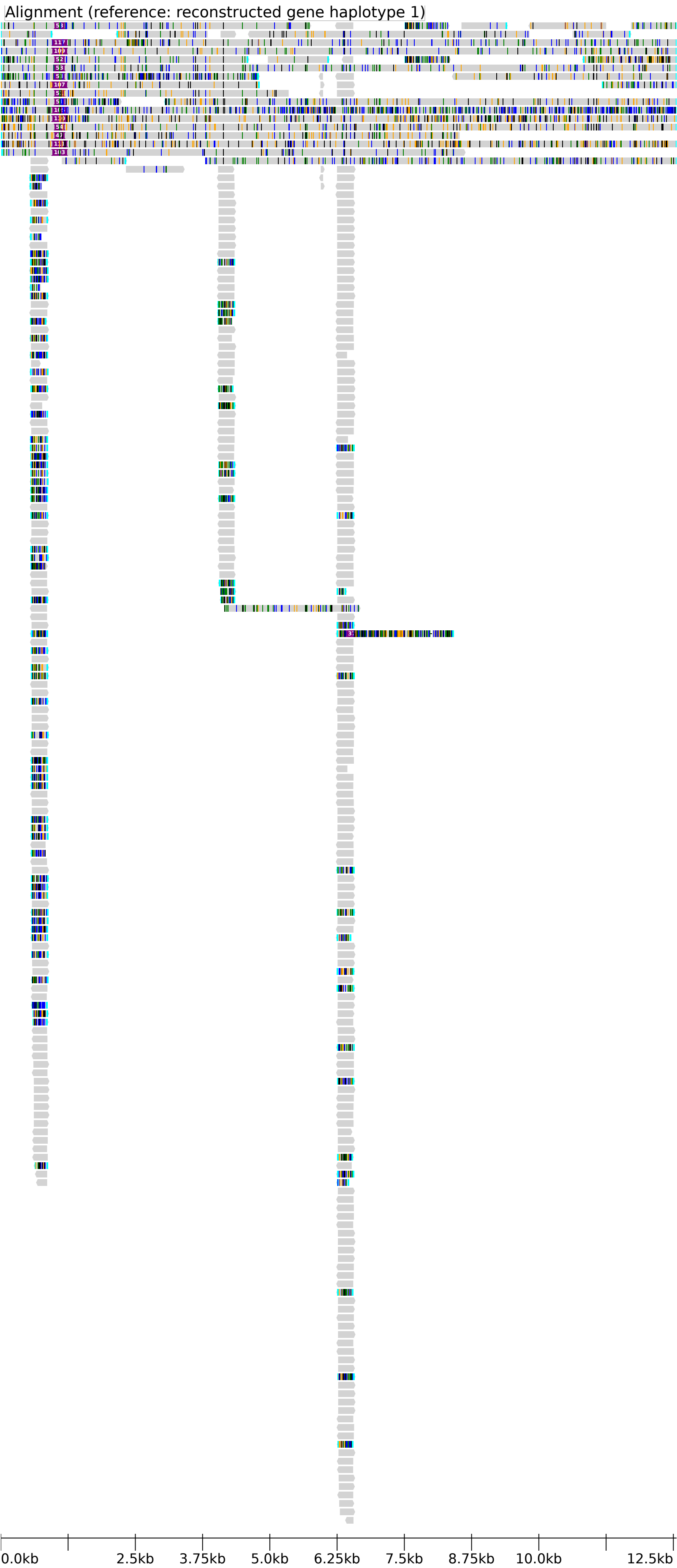
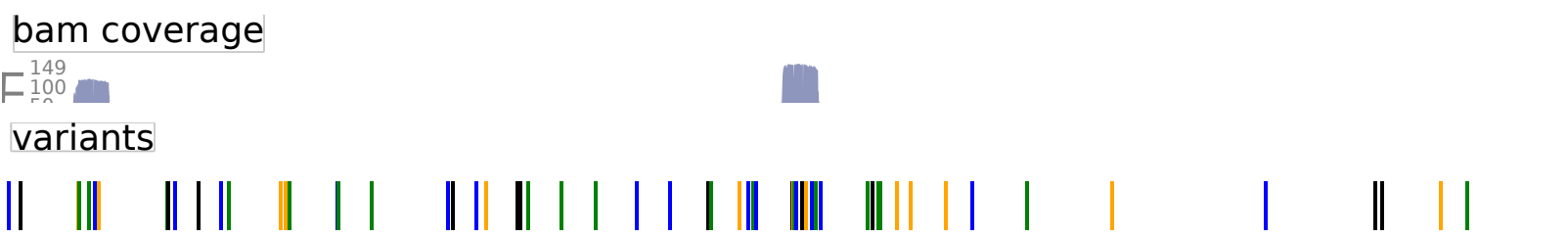
Sample: NA19819

Locus: MICB

Resolution: 4th field

Full typing result:

MICB*002:01:01



MICB*002:01:01 (identity: 98.91%)



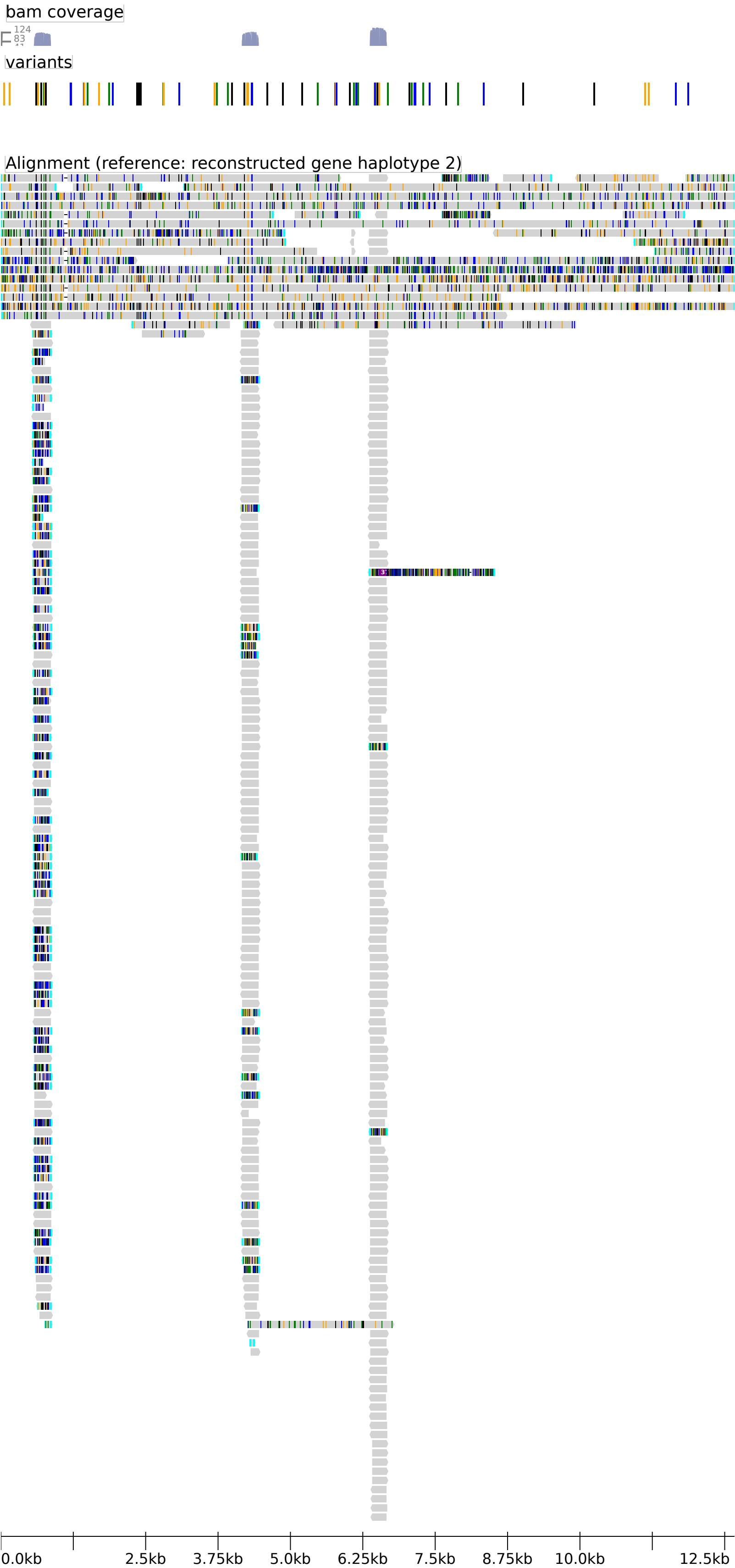
Sample: NA19819

Locus: MICB

Resolution: 4th field

Full typing result:

MICB*005:02:01



MICB*005:02:01 (identity: 99.63%)



Sample: NA19819

Locus: TAP1

Resolution: 4th field

Full typing result:

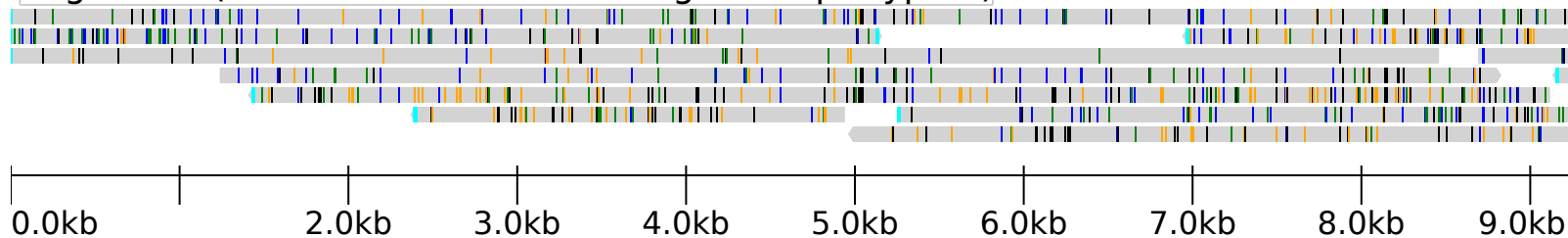
TAP1*01:01:01:05

bam coverage

7
5

variants

Alignment (reference: reconstructed gene haplotype 1)



TAP1*01:01:01:05 (identity: 100.00%)

Sample: NA19819

Locus: TAP1

Resolution: 4th field

Full typing result:

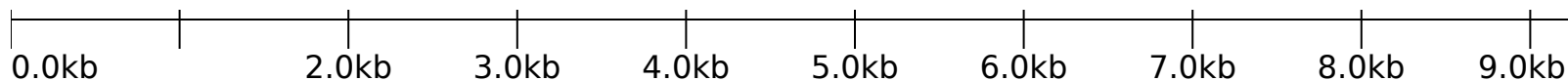
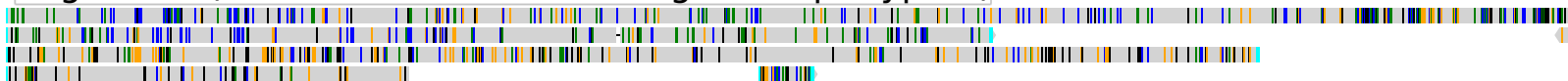
TAP1*01:01:01:01

bam coverage



variants

Alignment (reference: reconstructed gene haplotype 2)



TAP1*01:01:01:01 (identity: 95.02%)



Sample: NA19819

Locus: TAP2

Resolution: 4th field

Full typing result:

TAP2*01:01:02:01

TAP2*02:01:02:01

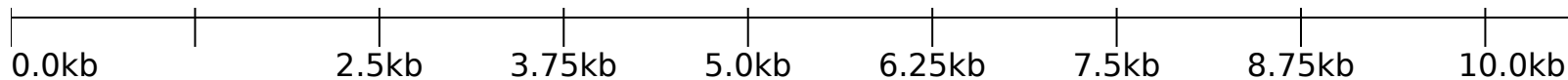
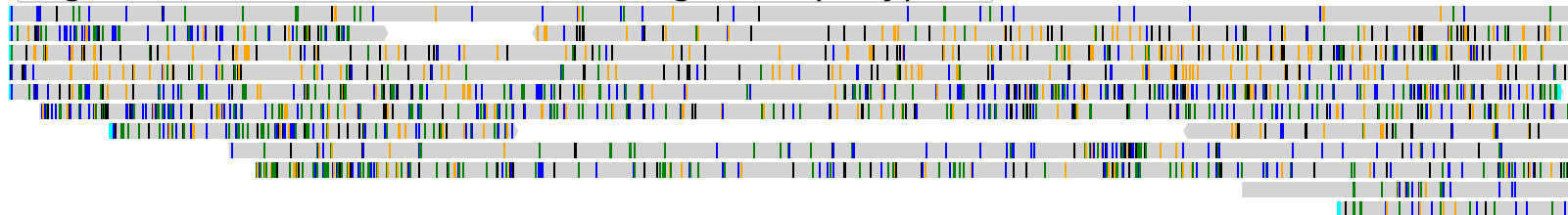
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 1)



TAP2*01:01:02:01 (identity: 99.70%)



TAP2*02:01:02:01 (identity: 99.78%)



Sample: NA19819

Locus: TAP2

Resolution: 4th field

Full typing result:

TAP2*01:01:03:01

TAP2*01:01:03:03

TAP2*01:01:03:02

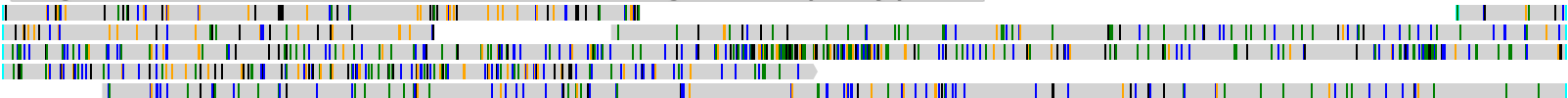
bam coverage



variants



Alignment (reference: reconstructed gene haplotype 2)



TAP2*01:01:03:01 (identity: 99.90%)



TAP2*01:01:03:03 (identity: 99.87%)



TAP2*01:01:03:02 (identity: 99.86%)

