Sample: NA12890

Locus: HFE

Resolution: 4th field

Full typing result:

HFE*001:01:02

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

HFE*001:01:02 (identity: 100.00%)

Sample: NA12890

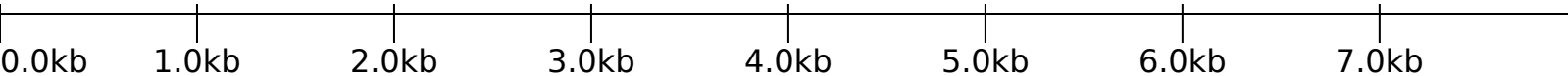**Locus:** HFE

Resolution: 4th field

Full typing result:

HFE*001:01:01

bam coverage

4
3
1

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: NA12890

Locus: HLA-A

Resolution: 4th field

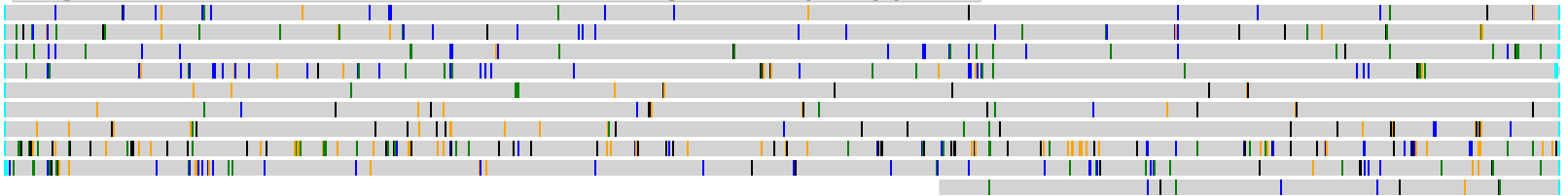**Full typing result:**

HLA-A*02:01:01:51

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb
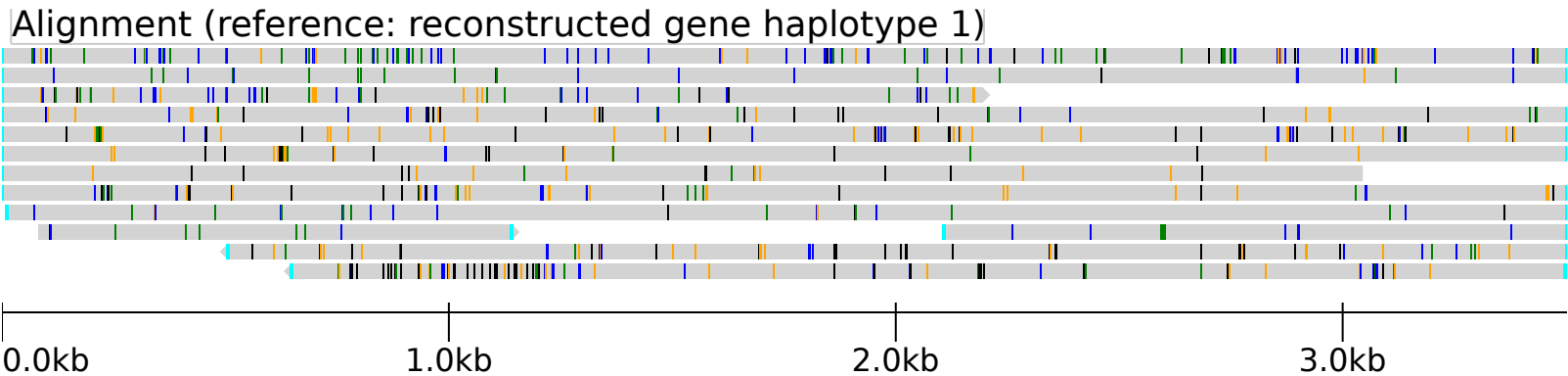
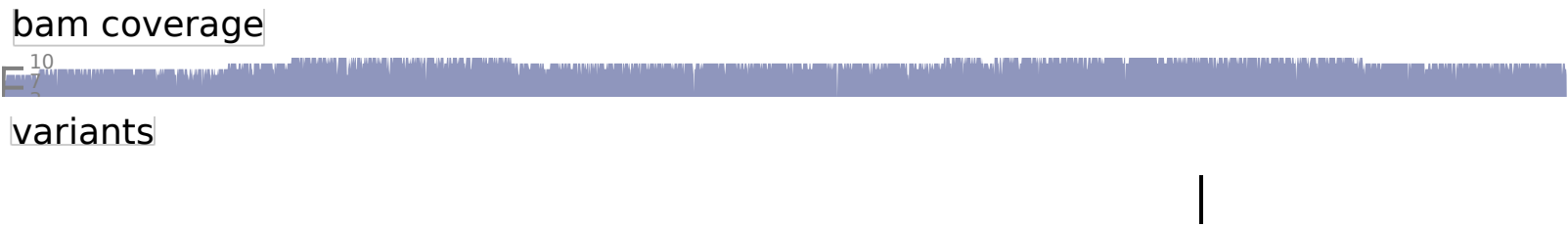HLA-A*02:01:01:51 (identity: 100.00%)

Sample: NA12890

Locus: HLA-A

Resolution: 4th field

Full typing result:

HLA-A*03:01:01:01   HLA-A*03:402N   HLA-A*03:408N

HLA-A*03:01:01:119   HLA-A*03:01:01:55   HLA-A*03:334N

HLA-A*03:01:01:03   HLA-A*03:01:01:05   HLA-A*03:01:01:08

HLA-A*03:01:01:117   HLA-A*03:01:01:118   HLA-A*03:01:01:16

HLA-A*03:01:01:24   HLA-A*03:01:01:72   HLA-A*03:01:01:89

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb   1.0kb   2.0kb   3.0kb

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

HLA-A*03:402N (identity: 99.89%)

HLA-A*03:408N (identity: 99.89%)

HLA-A*03:01:01:119 (identity: 99.97%)

HLA-A*03:01:01:55 (identity: 99.97%)

HLA-A*03:334N (identity: 99.97%)

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

HLA-A*03:01:01:05 (identity: 99.97%)

HLA-A*03:01:01:08 (identity: 99.97%)

HLA-A*03:01:01:117 (identity: 99.97%)

Sample: NA12890

Locus: HLA-B

Resolution: 4th field

Full typing result:

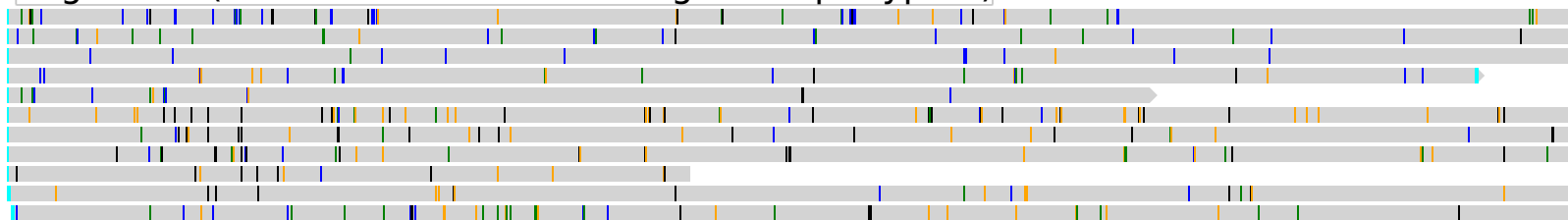HLA-B*15:01:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb   1.0kb   2.0kb   3.0kb   4.0kb

HLA-B*15:01:01:01 (identity: 100.00%)

Sample: NA12890

Locus: HLA-B

Resolution: 4th field
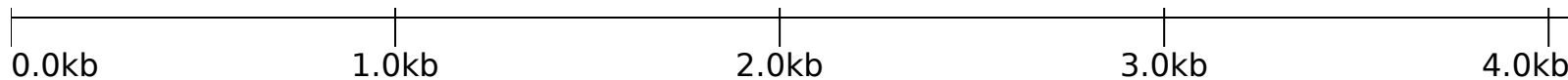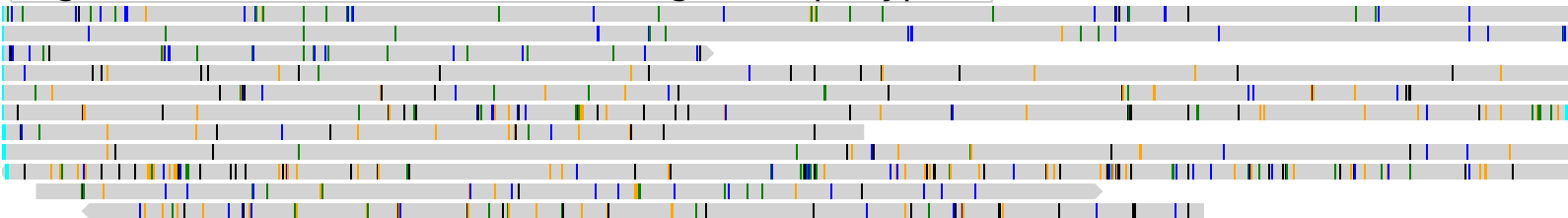
Full typing result:

HLA-B*44:03:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb   4.0kb

HLA-B*44:03:01:01 (identity: 100.00%)

Sample: **NA12890**

Locus: **HLA-C**

Resolution: **4th field**

Full typing result:

| HLA-C*16:01:01:01 | HLA-C*16:01:01:17 | HLA-C*16:01:01:40 |

| HLA-C*16:08 | HLA-C*16:18 | HLA-C*16:59 |

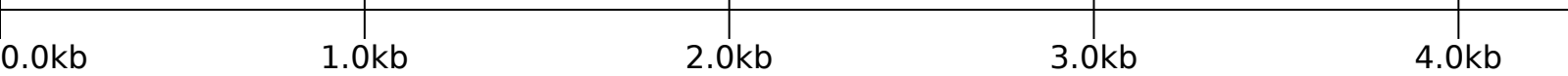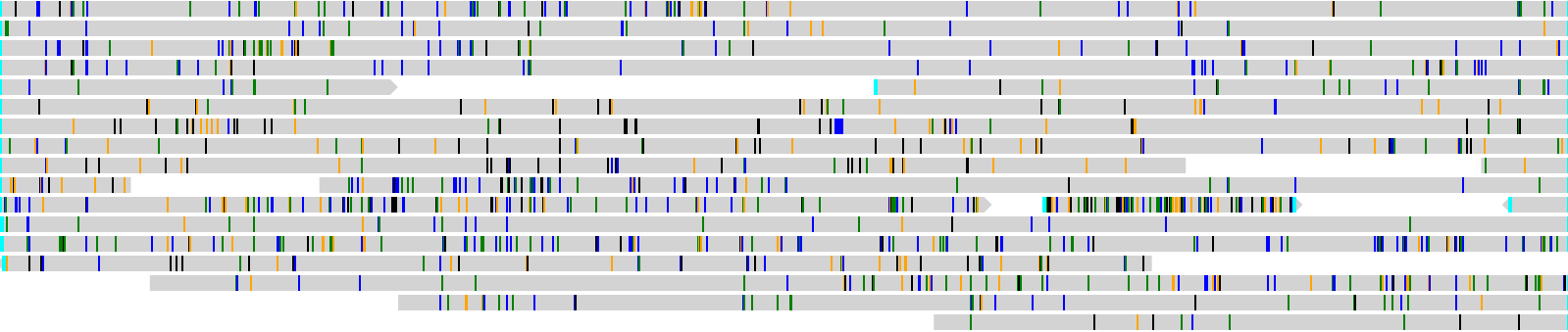| HLA-C*16:206N | HLA-C*16:24 | HLA-C*16:188 |

| HLA-C*16:197 |

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb   4.0kb

HLA-C*16:01:01:01 (identity: 100.00%)

HLA-C*16:01:01:17 (identity: 99.98%)

HLA-C*16:01:01:40 (identity: 99.98%)

HLA-C*16:08 (identity: 99.98%)

HLA-C*16:18 (identity: 99.98%)

HLA-C*16:59 (identity: 99.98%)

HLA-C*16:206N (identity: 99.98%)

HLA-C*16:24 (identity: 99.98%)

HLA-C*16:188 (identity: 99.98%)

HLA-C*16:197 (identity: 99.98%)

Sample: NA12890

Locus: **HLA-C**

Resolution: **4th field**

Full typing result:

| HLA-C*03:04:01:01 | HLA-C*03:04:01:02 | HLA-C*03:04:01:86 |

| HLA-C*03:04:01:88 | HLA-C*03:04:01:90Q | HLA-C*03:04:75 |

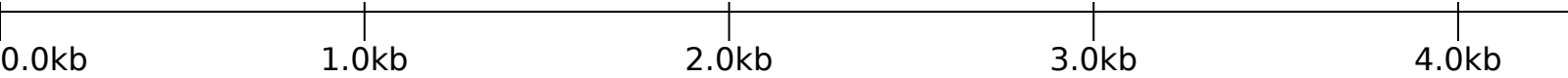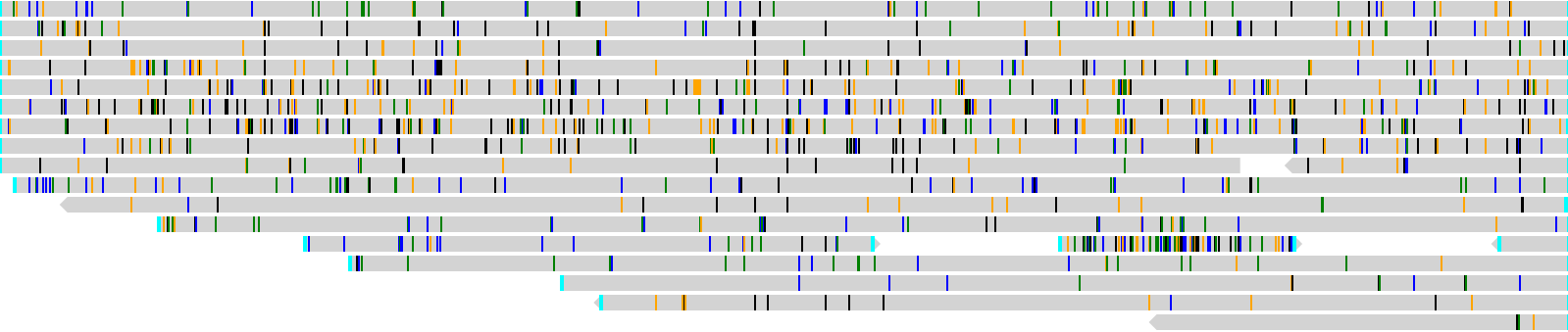| HLA-C*03:605 | HLA-C*03:09 | HLA-C*03:04:05 |

| HLA-C*03:38:02 |

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb   1.0kb   2.0kb   3.0kb   4.0kb

HLA-C*03:04:01:01 (identity: 100.00%)

HLA-C*03:04:01:02 (identity: 99.98%)

HLA-C*03:04:01:86 (identity: 99.98%)

HLA-C*03:04:01:88 (identity: 99.98%)

HLA-C*03:04:01:90Q (identity: 99.91%)

HLA-C*03:04:75 (identity: 99.98%)

HLA-C*03:605 (identity: 99.98%)

HLA-C*03:09 (identity: 99.98%)

HLA-C*03:04:05 (identity: 99.98%)

HLA-C*03:38:02 (identity: 99.98%)

Sample: **NA12890**

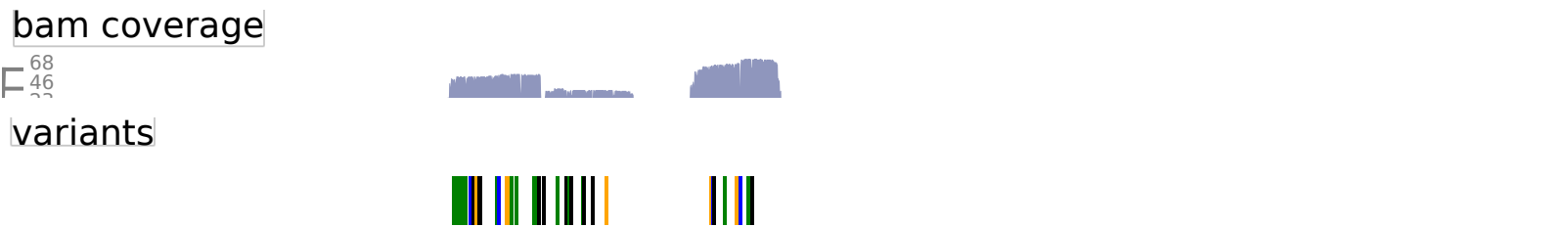*Locus:* **HLA-DMA**

Resolution: **4th field**

Full typing result:

| HLA-DMA*01:01:01:02 | HLA-DMA*01:01:01:01 | HLA-DMA*01:01:01:04 |

| HLA-DMA*01:01:01:41 | HLA-DMA*01:02:01:01 |

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

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

HLA-DMA*01:01:01:02 (identity: 99.94%)

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

HLA-DMA*01:01:01:04 (identity: 99.92%)

HLA-DMA*01:01:01:41 (identity: 99.94%)

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

Sample: NA12890

Locus: HLA-DMB

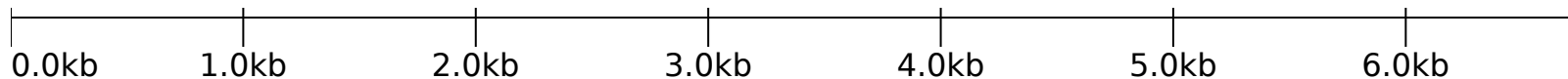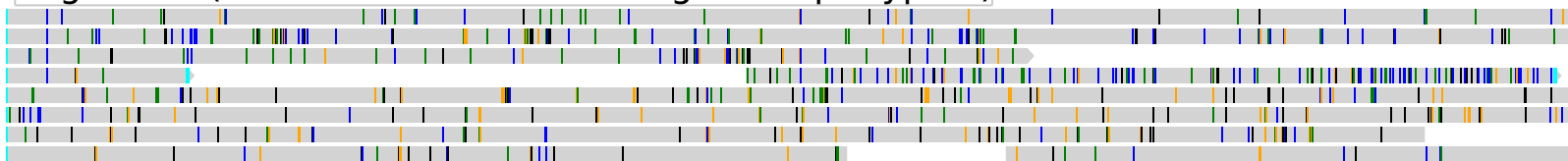**Resolution:** 4th field

Full typing result:

HLA-DMB*01:03:01:02   HLA-DMB*01:01:01:02

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

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

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

HLA-DMB*01:01:01:02 (identity: 99.99%)

Sample: NA12890

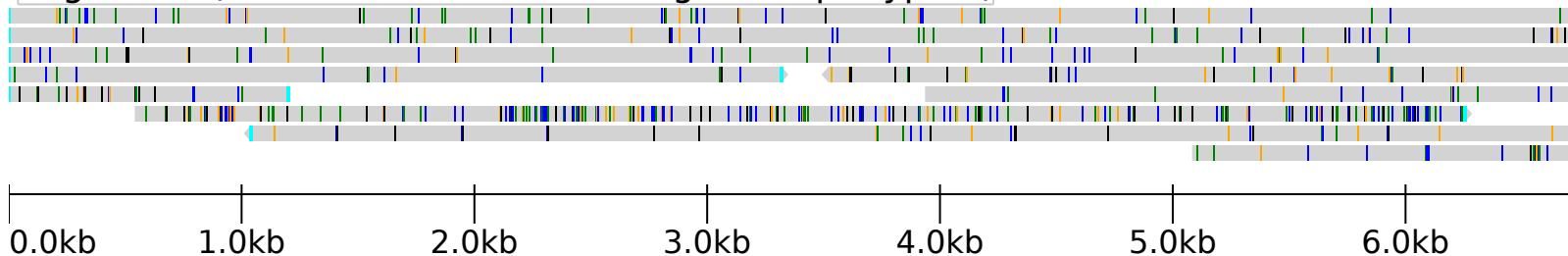*Locus:* HLA-DMB

Resolution: 4th field

Full typing result:

HLA-DMB*01:01:01:01

bam coverage

8
5

variants

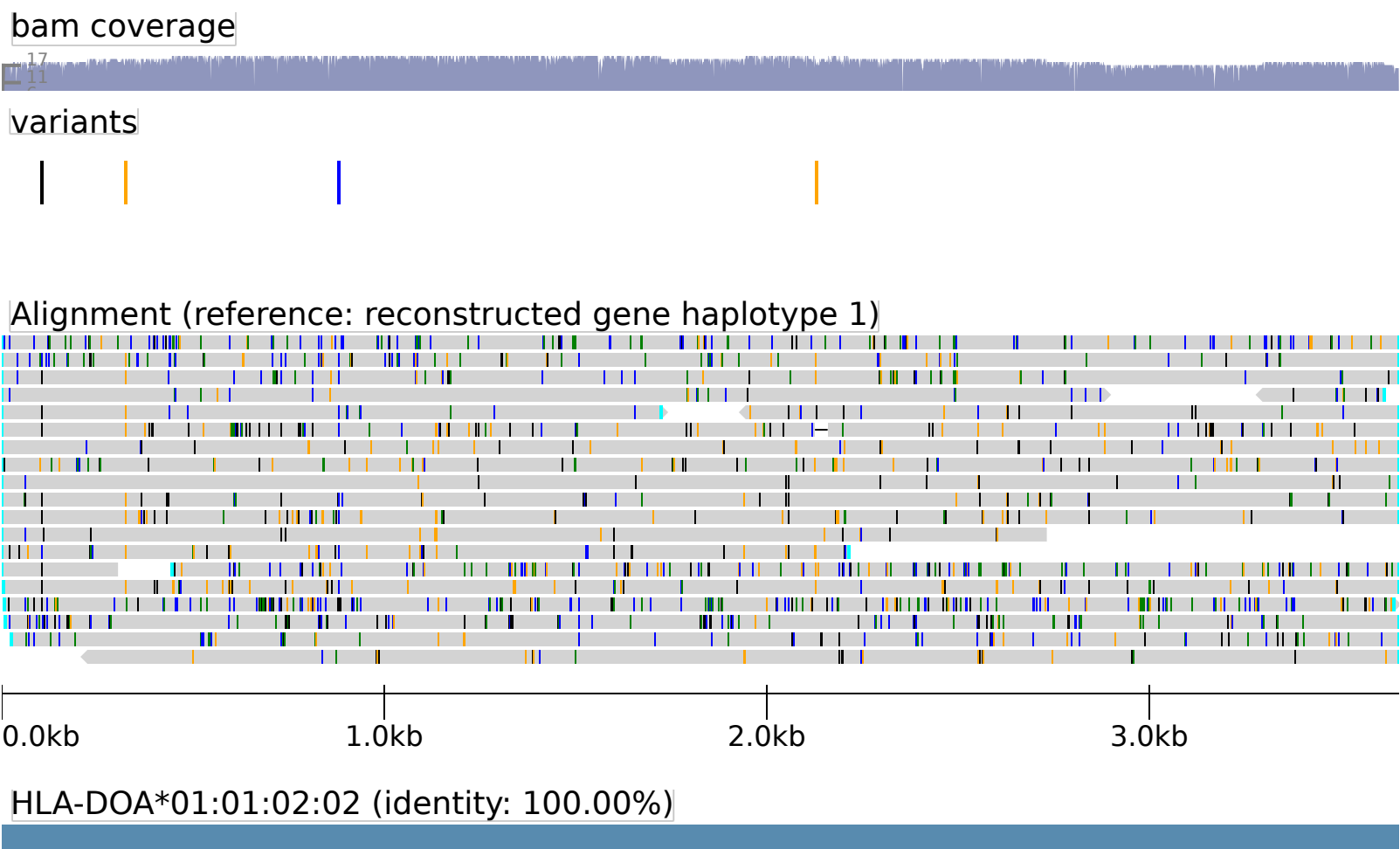Alignment (reference: reconstructed gene haplotype 2)

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

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

Sample: NA12890

Locus: HLA-DOA

Resolution: 4th field

Full typing result:

HLA-DOA*01:01:02:02

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb   1.0kb   2.0kb   3.0kb

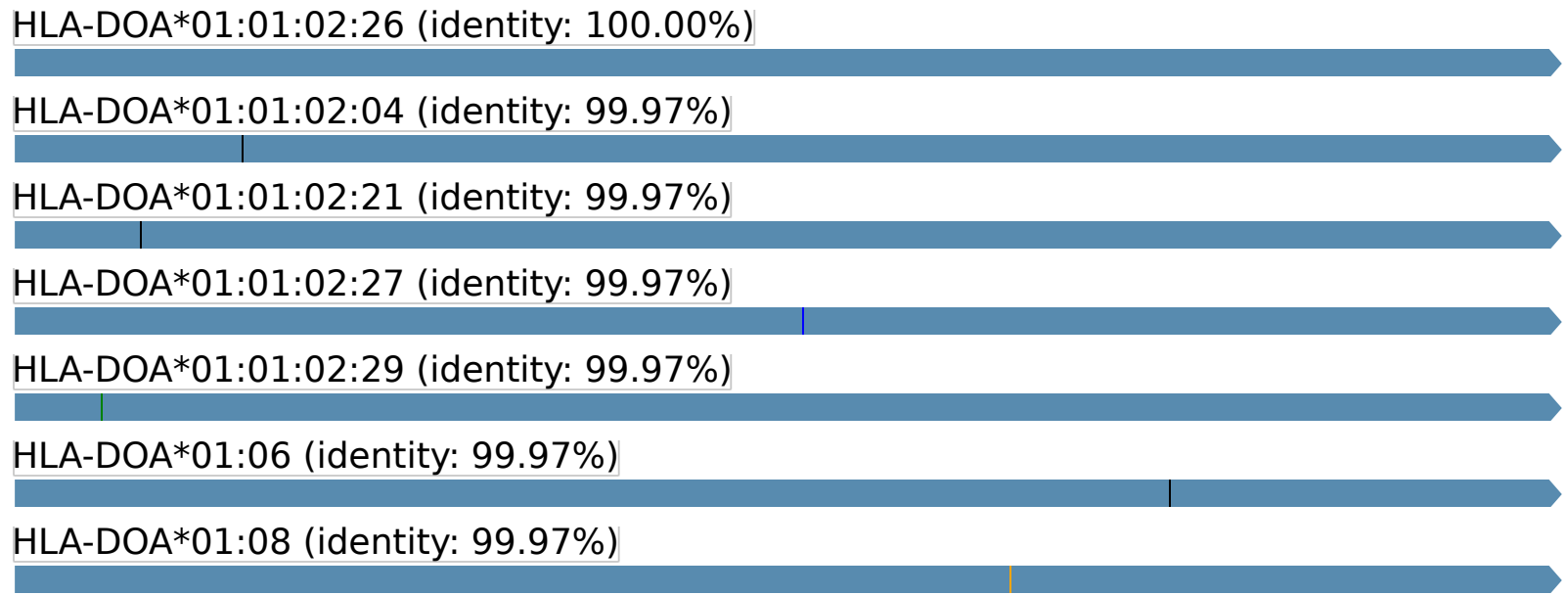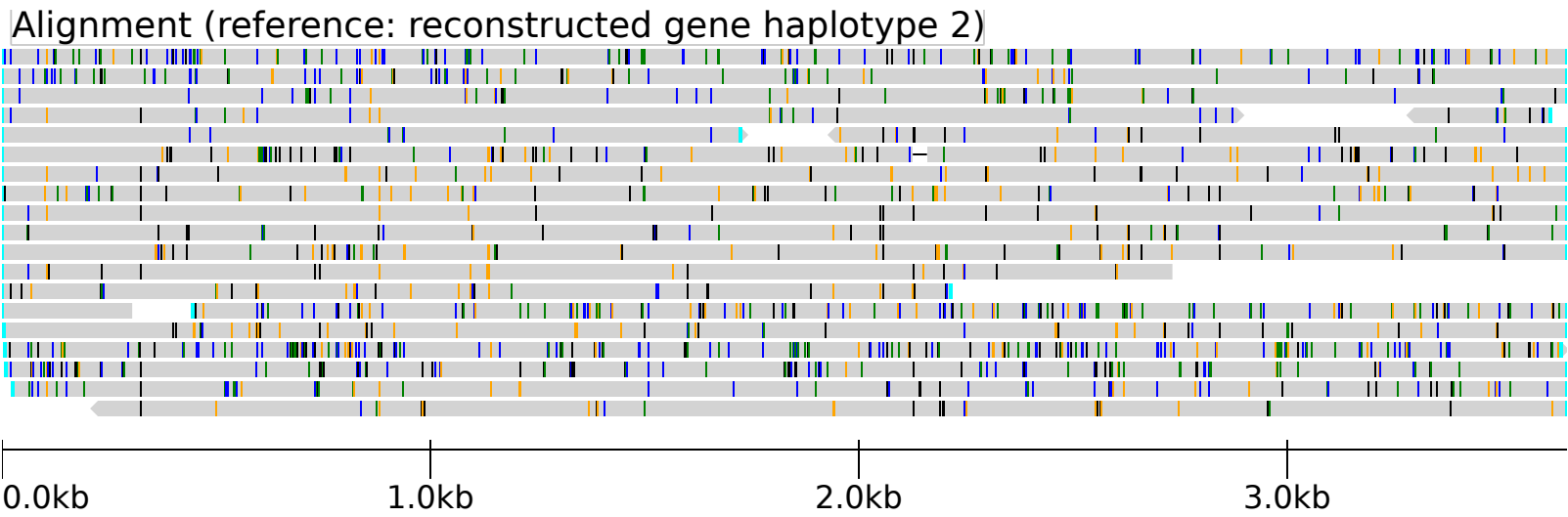HLA-DOA*01:01:02:02 (identity: 100.00%)

Sample: NA12890

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

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb

HLA-DOA*01:01:02:26 (identity: 100.00%)

HLA-DOA*01:01:02:04 (identity: 99.97%)

HLA-DOA*01:01:02:21 (identity: 99.97%)

HLA-DOA*01:01:02:27 (identity: 99.97%)

HLA-DOA*01:01:02:29 (identity: 99.97%)

HLA-DOA*01:06 (identity: 99.97%)

HLA-DOA*01:08 (identity: 99.97%)

Sample: NA12890

Locus: HLA-DOB

Resolution: 4th field

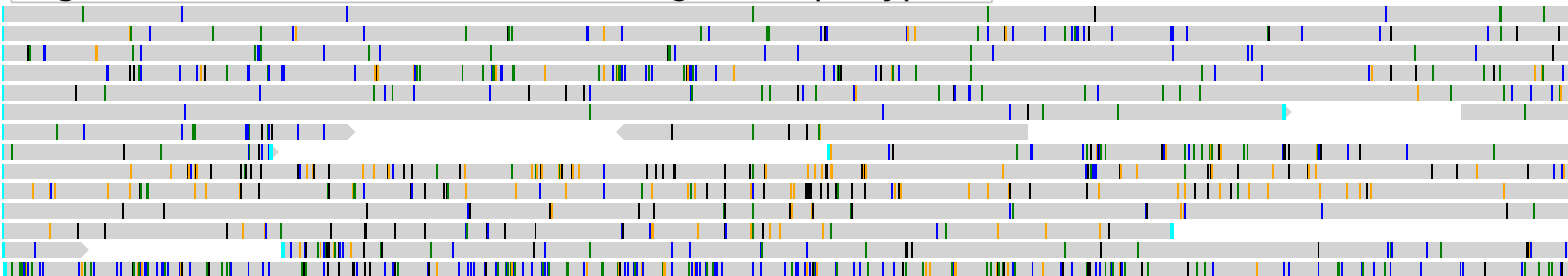**Full typing result:**

HLA-DOB*01:03:01:02

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb   4.0kb
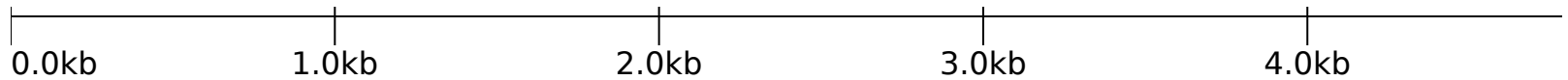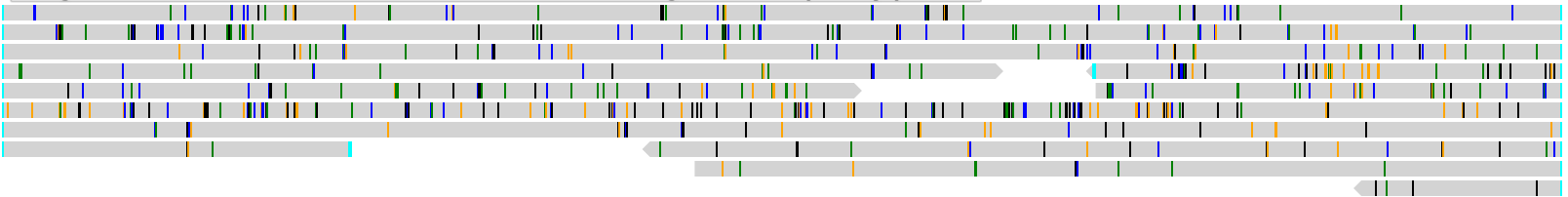
HLA-DOB*01:03:01:02 (identity: 100.00%)

Sample: NA12890

Locus: HLA-DOB

Resolution: 4th field

Full typing result:

HLA-DOB*01:02:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb 1.0kb 2.0kb 3.0kb 4.0kb

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

Sample: **NA12890**

Locus: **HLA-DPA1**

Resolution: **4th field**

Full typing result:

HLA-DPA1*01:03:01:04

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
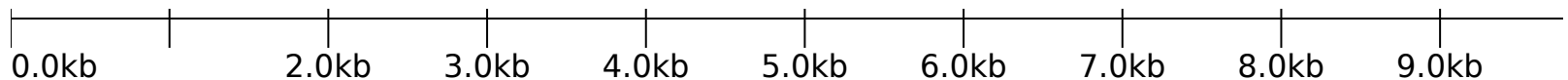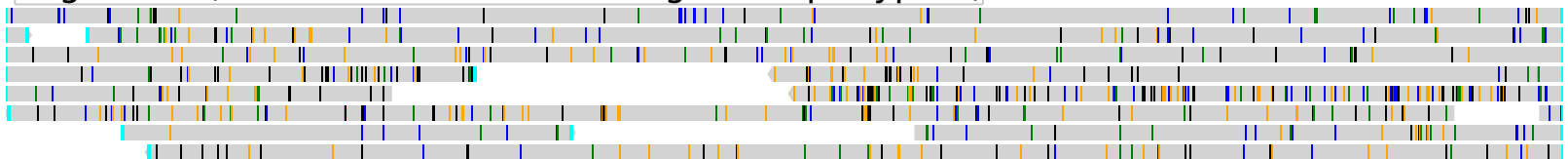
HLA-DPA1*01:03:01:04 (identity: 100.00%)

Sample: NA12890

Locus: HLA-DPA1

Resolution: 4th field

Full typing result:
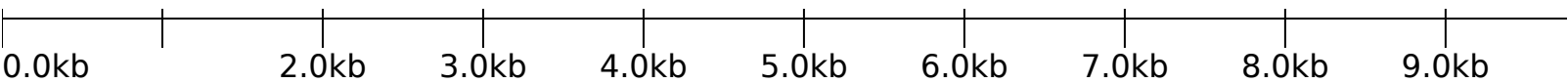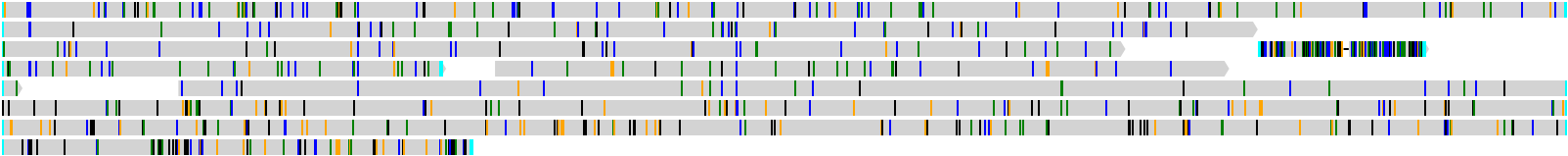
| HLA-DPA1*01:03:01:05 | HLA-DPA1*01:03:01:15 | HLA-DPA1*01:03:01:74 |

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   2.0kb   3.0kb   4.0kb   5.0kb   6.0kb   7.0kb   8.0kb   9.0kb

HLA-DPA1*01:03:01:05 (identity: 99.99%)

HLA-DPA1*01:03:01:15 (identity: 99.98%)

HLA-DPA1*01:03:01:74 (identity: 99.98%)

Sample: NA12890

Locus: HLA-DPA2

Resolution: 4th field

Full typing result:

HLA-DPA2*01:01:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)
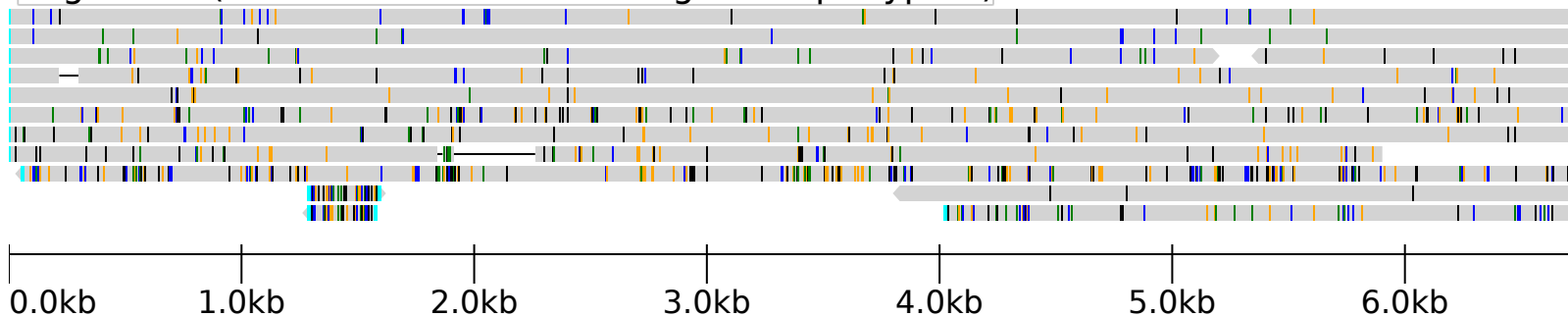
HLA-DPA2*01:01:01:01 (identity: 100.00%)

Sample: NA12890

Locus: HLA-DPA2

Resolution: 4th field
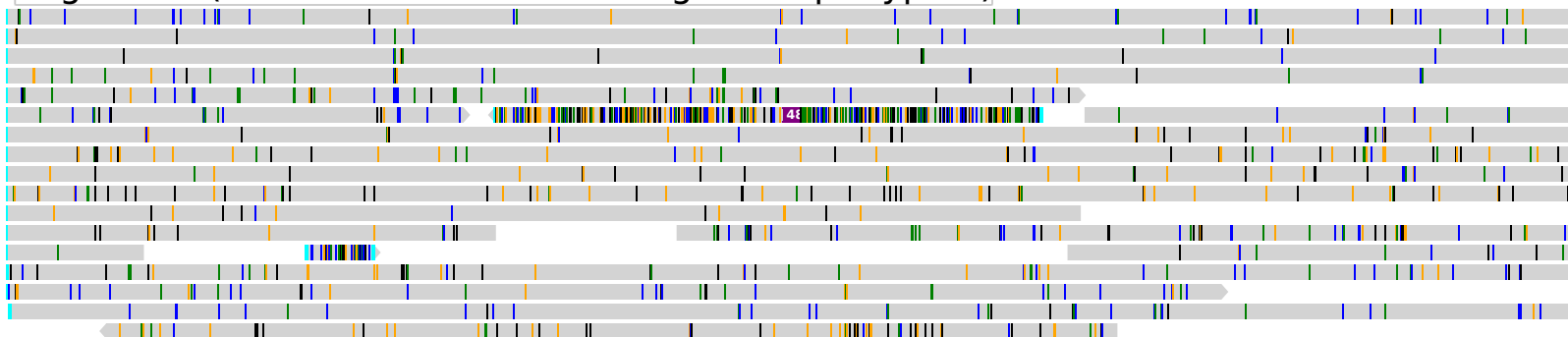
Full typing result:

HLA-DPA2*01:01:01:02

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

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

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

Sample: NA12890

Locus: HLA-DPB1

Resolution: 4th field

Full typing result:

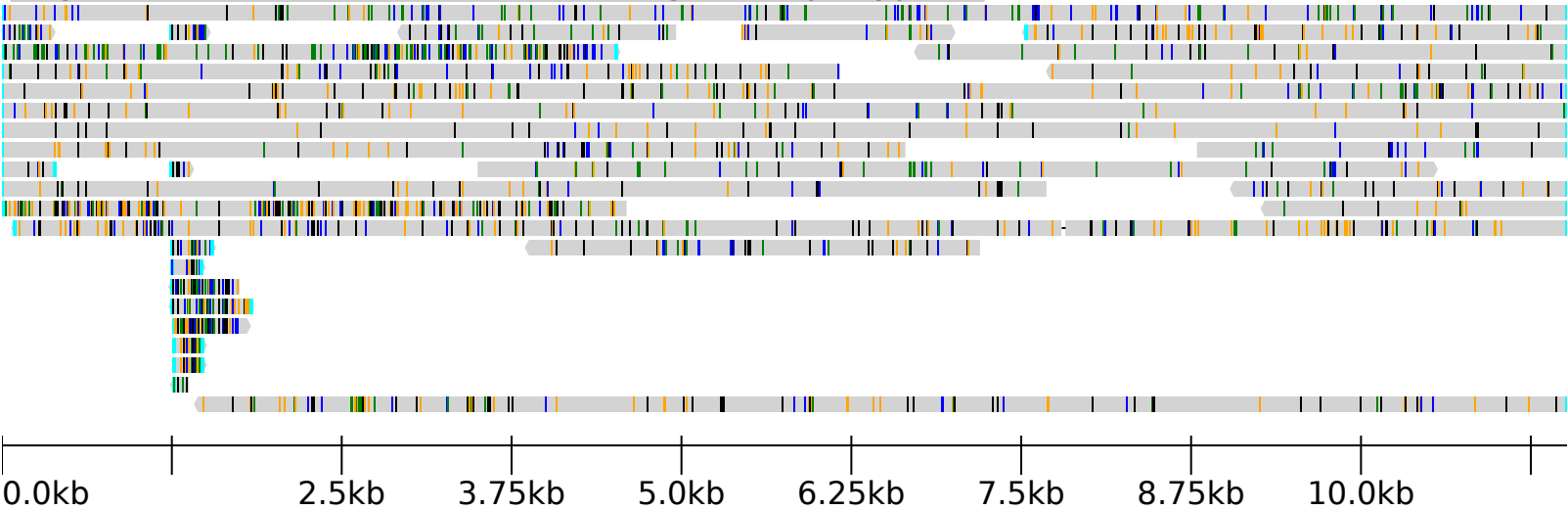| HLA-DPB1*04:02:01:02 | HLA-DPB1*04:02:01:03 | HLA-DPB1*04:02:01:04 |
HLA-DPB1*04:02:01:05	HLA-DPB1*04:02:01:07	HLA-DPB1*04:02:01:09
HLA-DPB1*04:02:01:11	HLA-DPB1*04:02:01:14	HLA-DPB1*04:02:01:15
HLA-DPB1*04:02:01:18	HLA-DPB1*04:02:01:21	HLA-DPB1*04:02:01:22
HLA-DPB1*04:02:01:24	HLA-DPB1*04:02:01:25	HLA-DPB1*04:02:01:26

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

HLA-DPB1*04:02:01:02 (identity: 100.00%)

HLA-DPB1*04:02:01:03 (identity: 99.99%)

HLA-DPB1*04:02:01:04 (identity: 99.99%)

HLA-DPB1*04:02:01:05 (identity: 99.99%)

HLA-DPB1*04:02:01:07 (identity: 99.99%)

HLA-DPB1*04:02:01:09 (identity: 99.99%)

HLA-DPB1*04:02:01:11 (identity: 99.99%)

HLA-DPB1*04:02:01:14 (identity: 99.99%)

HLA-DPB1*04:02:01:15 (identity: 99.95%)

HLA-DPB1*04:02:01:18 (identity: 99.99%)

Sample: NA12890

Locus: HLA-DPB1
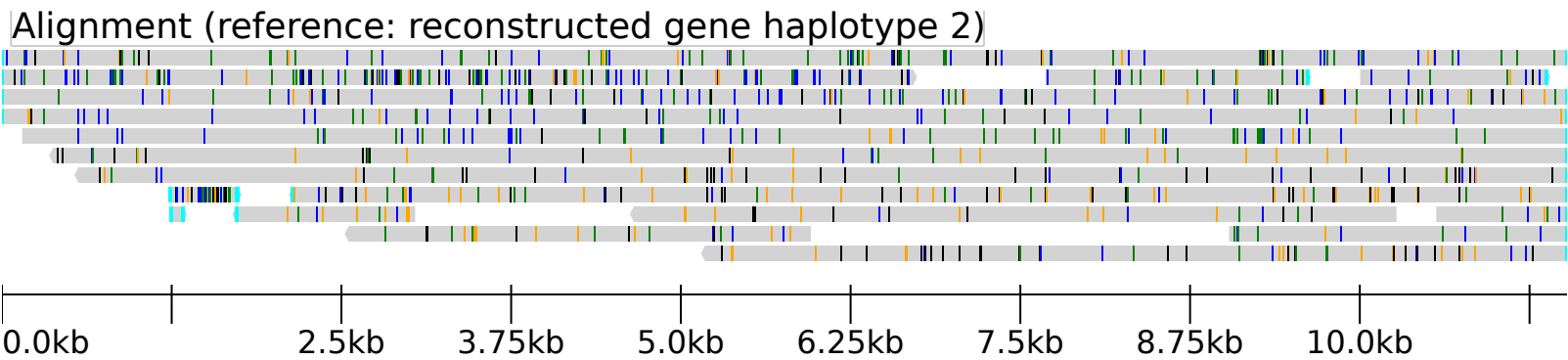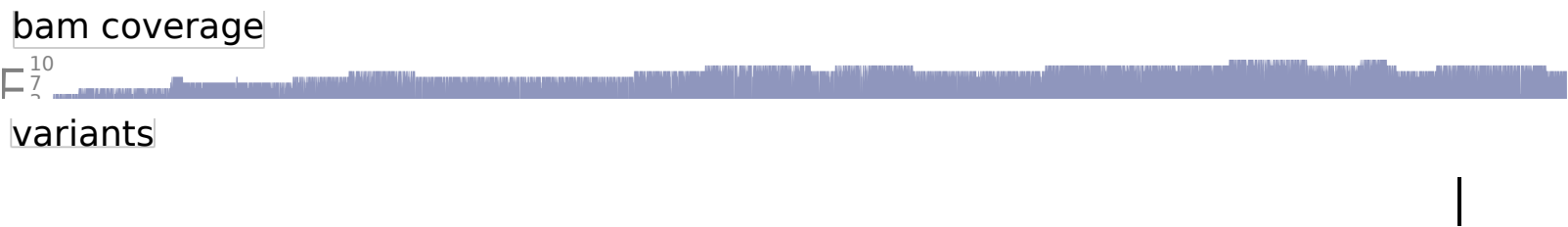
Resolution: 4th field

Full typing result:

| HLA-DPB1*04:01:01:28 | HLA-DPB1*04:01:01:34 | HLA-DPB1*04:01:01:01 |

| HLA-DPB1*882:01 | HLA-DPB1*04:01:01:35 | HLA-DPB1*04:01:01:06 |

| HLA-DPB1*1423:01N | HLA-DPB1*04:01:01:02 | HLA-DPB1*04:01:01:04 |

| 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 | HLA-DPB1*04:01:01:108 |

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

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

HLA-DPB1*04:01:01:28 (identity: 100.00%)

HLA-DPB1*04:01:01:34 (identity: 99.97%)

HLA-DPB1*04:01:01:01 (identity: 99.99%)

HLA-DPB1*882:01 (identity: 99.99%)

HLA-DPB1*04:01:01:35 (identity: 99.92%)

HLA-DPB1*04:01:01:06 (identity: 99.96%)

HLA-DPB1*1423:01N (identity: 99.96%)

HLA-DPB1*04:01:01:02 (identity: 99.92%)

HLA-DPB1*04:01:01:04 (identity: 99.96%)

HLA-DPB1*04:01:01:07 (identity: 99.98%)

Sample: NA12890

Locus: HLA-DPB2

Resolution: 4th field

Full typing result:

HLA-DPB2*03:01:01:02

bam coverage

57
38
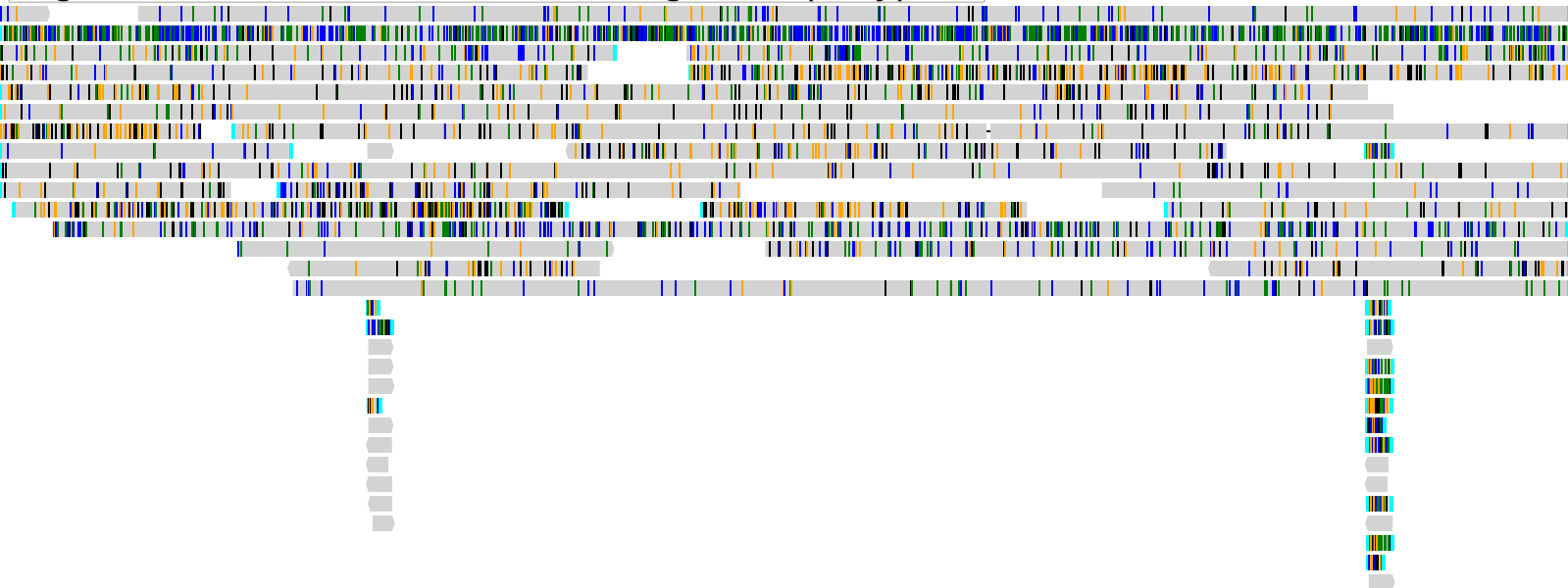
variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   2.5kb   5.0kb   7.5kb   10.0kb   12.5kb   15.0kb   17.5kb

HLA-DPB2*03:01:01:02 (identity: 99.94%)
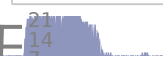
Sample: NA12890

Locus: HLA-DPB2

Resolution: 4th field

Full typing result:

HLA-DPB2*03:01:01:03

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

HLA-DPB2*03:01:01:03 (identity: 100.00%)

Sample: NA12890

Locus: HLA-DQA1

Resolution: 4th field

Full typing result:

HLA-DQA1*03:01:01:01
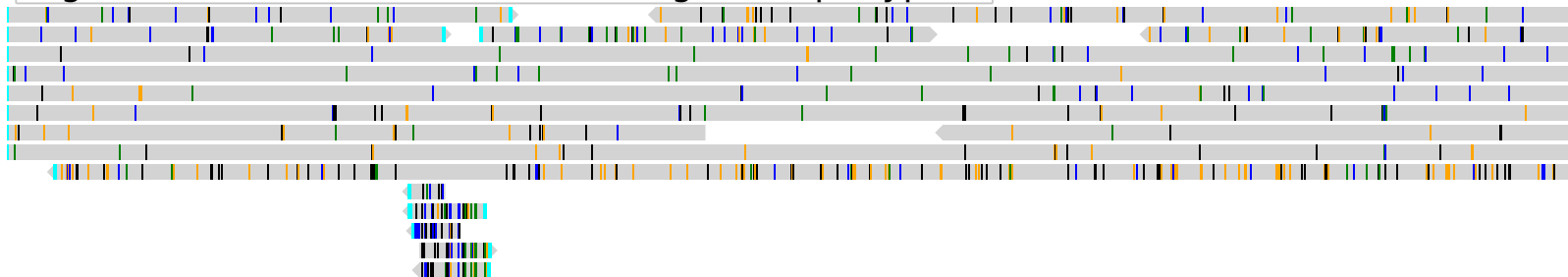
bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb   4.0kb   5.0kb   6.0kb
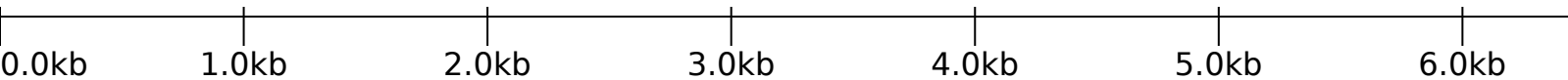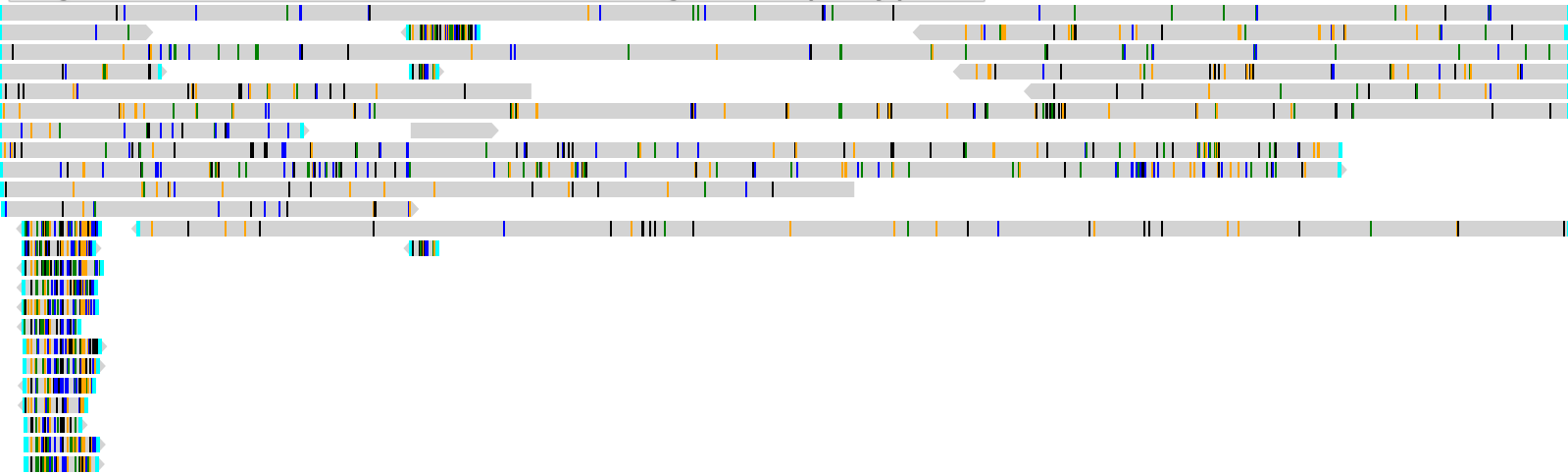
HLA-DQA1*03:01:01:01 (identity: 99.98%)

Sample: **NA12890**

Locus: **HLA-DQA1**

Resolution: **4th field**

Full typing result:

HLA-DQA1*02:01:01:01   HLA-DQA1*02:01:01:08   HLA-DQA1*02:01:01:09

HLA-DQA1*02:01:01:10

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

| 0.0kb | 1.0kb | 2.0kb | 3.0kb | 4.0kb | 5.0kb | 6.0kb |
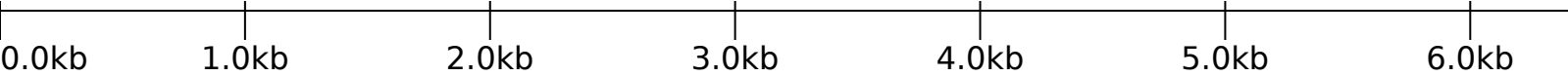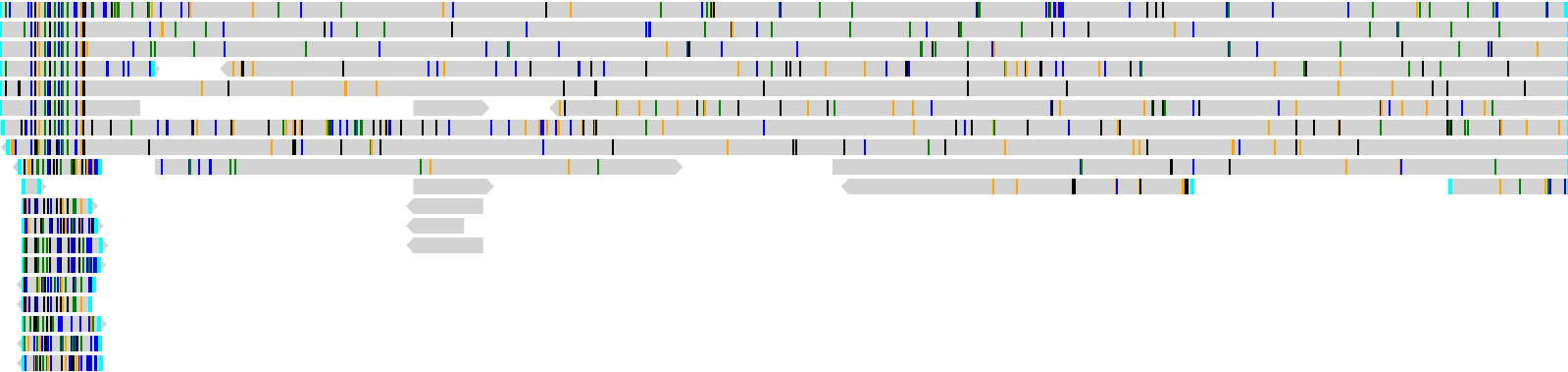
HLA-DQA1*02:01:01:01 (identity: 99.70%)

HLA-DQA1*02:01:01:08 (identity: 99.69%)

HLA-DQA1*02:01:01:09 (identity: 99.69%)

HLA-DQA1*02:01:01:10 (identity: 99.69%)

Sample: NA12890

Locus: HLA-DQA2

Resolution: 4th field

Full typing result:

HLA-DQA2*01:04:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

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

HLA-DQA2*01:04:01:01 (identity: 100.00%)

Sample: **NA12890**

Locus: **HLA-DQA2**

Resolution: **4th field**

Full typing result:

HLA-DQA2*01:01:01:03

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

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

HLA-DQA2*01:01:01:03 (identity: 99.78%)

Sample: NA12890

Locus: HLA-DQB1

Resolution: 4th field

Full typing result:

HLA-DQB1*02:02:01:01   HLA-DQB1*02:02:04   HLA-DQB1*02:02:05

HLA-DQB1*02:02:15   HLA-DQB1*02:02:16   HLA-DQB1*02:10

HLA-DQB1*02:12   HLA-DQB1*02:179   HLA-DQB1*02:194N

HLA-DQB1*02:195   HLA-DQB1*02:20:01:01N   HLA-DQB1*02:80

HLA-DQB1*02:02:01:04   HLA-DQB1*02:02:01:03   HLA-DQB1*02:02:01:06

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)
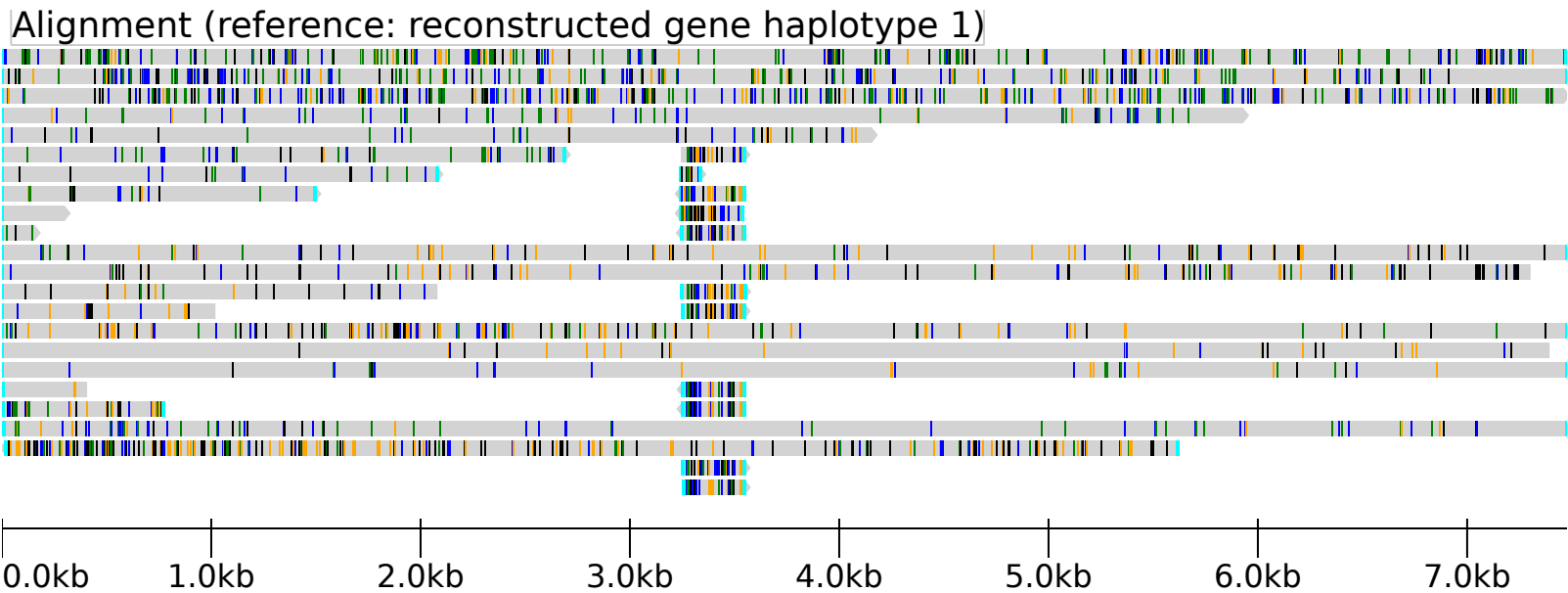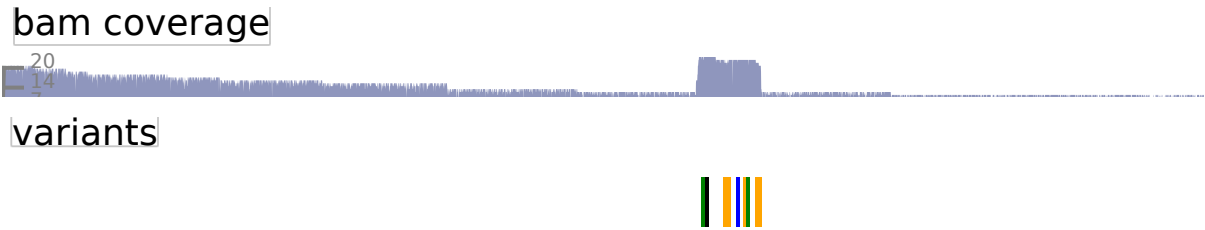
HLA-DQB1*02:02:01:01 (identity: 100.00%)

HLA-DQB1*02:02:04 (identity: 99.99%)

HLA-DQB1*02:02:05 (identity: 99.99%)

HLA-DQB1*02:02:15 (identity: 99.99%)

HLA-DQB1*02:02:16 (identity: 99.99%)

HLA-DQB1*02:10 (identity: 99.99%)

HLA-DQB1*02:12 (identity: 99.99%)

HLA-DQB1*02:179 (identity: 99.99%)

HLA-DQB1*02:194N (identity: 99.99%)

HLA-DQB1*02:195 (identity: 99.99%)

Sample: NA12890

Locus: HLA-DQB1

Resolution: 4th field
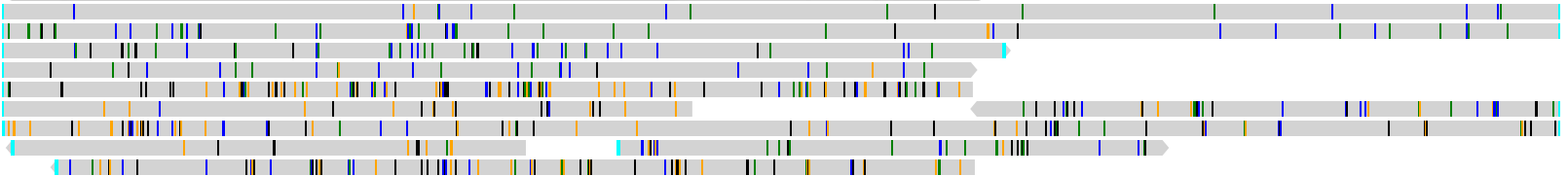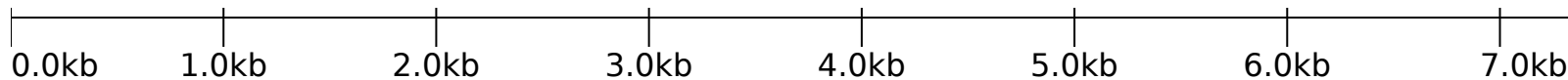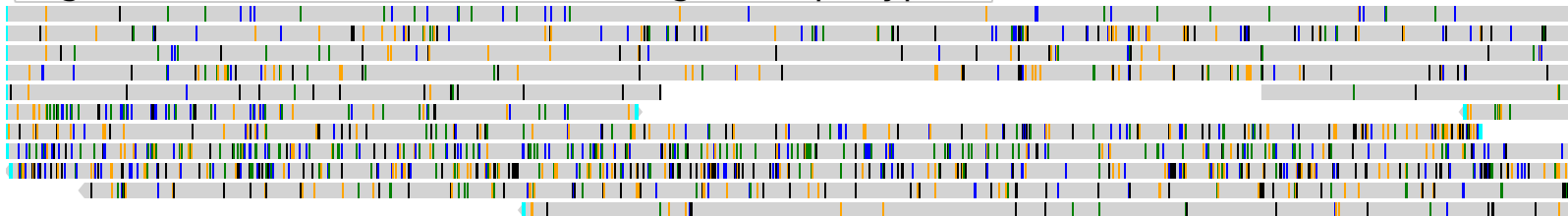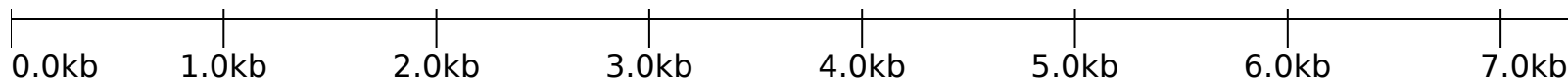
Full typing result:

HLA-DQB1*03:02:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)
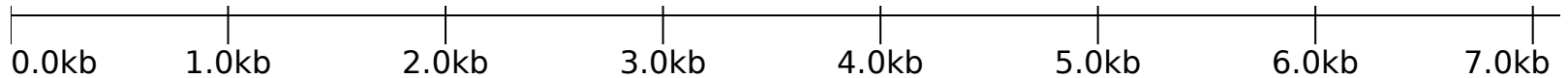
HLA-DQB1*03:02:01:01 (identity: 100.00%)

***Sample:* NA12890**

***Locus:* HLA-DQB2**

***Resolution:* 4th field**

Full typing result:

HLA-DQB2*01:01:01:04   HLA-DQB2*01:01:01:03

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-DQB2*01:01:01:04 (identity: 99.99%)

HLA-DQB2*01:01:01:03 (identity: 99.97%)

Sample: NA12890

Locus: HLA-DQB2

Resolution: 4th field

Full typing result:

HLA-DQB2*01:02:01:01   HLA-DQB2*01:02:01:02

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
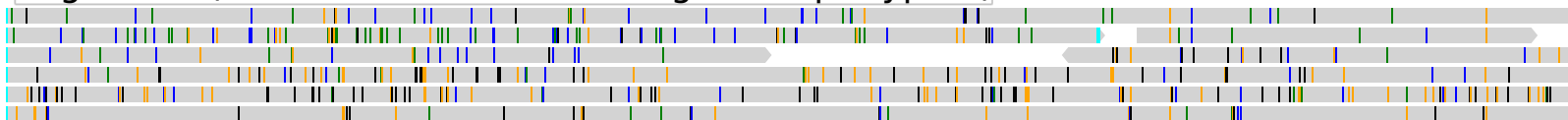
HLA-DQB2*01:02:01:01 (identity: 99.97%)

HLA-DQB2*01:02:01:02 (identity: 99.95%)

Sample: NA12890

Locus: HLA-DRA

Resolution: 4th field

Full typing result:

HLA-DRA*01:01:01:02

bam coverage

55
37

variants

Alignment (reference: reconstructed gene haplotype 1)

1474

3

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

HLA-DRA*01:01:01:02 (identity: 51.16%)

Sample: NA12890

Locus: HLA-DRB1

Resolution: 4th field

Full typing result:

| HLA-DRB1*04:07:01:05 | HLA-DRB1*04:01:01:01 | HLA-DRB1*04:01:01:02 |

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   2.5kb   5.0kb   7.5kb   10.0kb   12.5kb   15.0kb
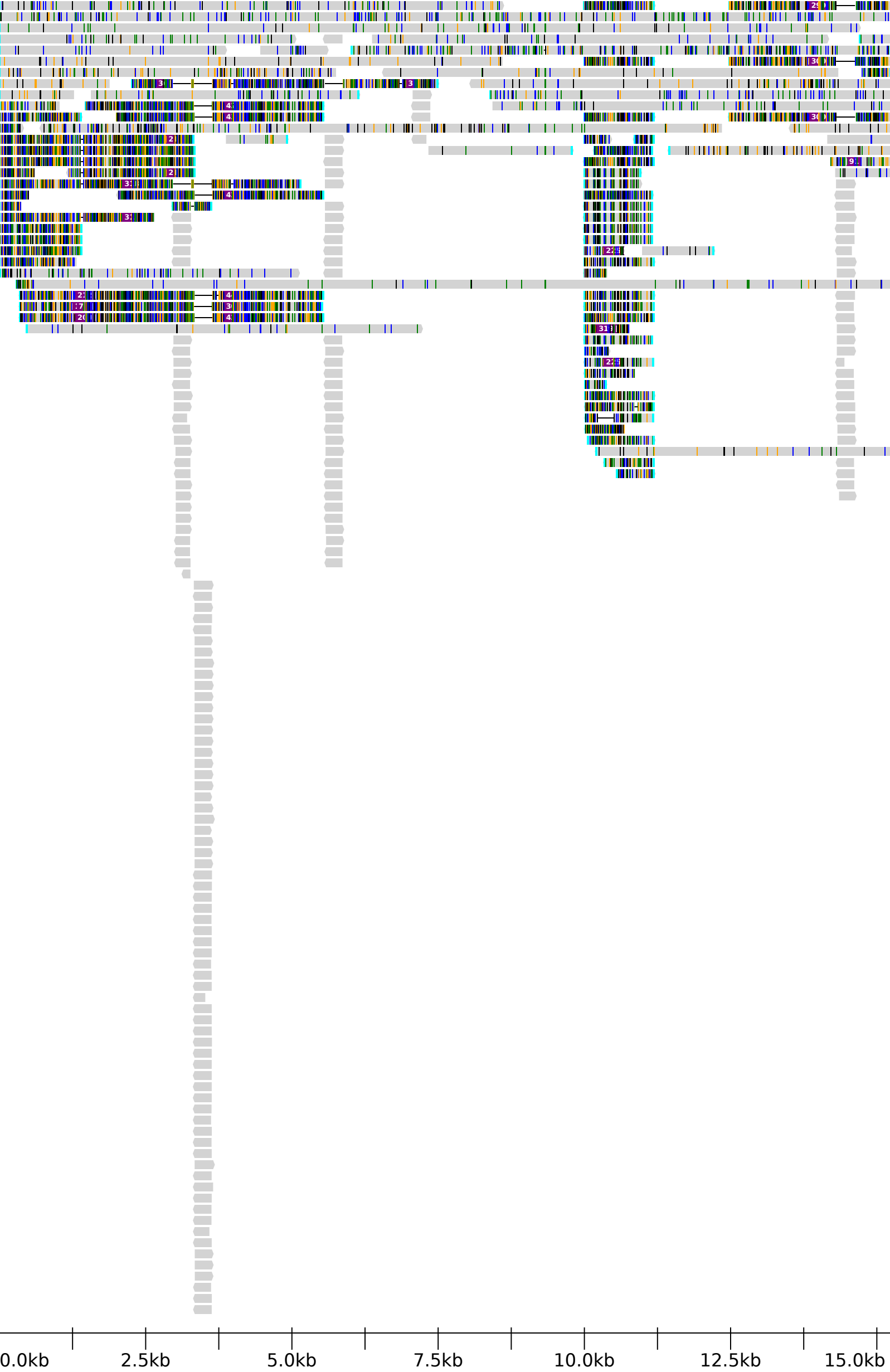
HLA-DRB1*04:07:01:05 (identity: 99.80%)

HLA-DRB1*04:01:01:01 (identity: 99.85%)

HLA-DRB1*04:01:01:02 (identity: 99.83%)

Sample: NA12890

Locus: HLA-DRB1

Resolution: 4th field

Full typing result:

HLA-DRB1*07:01:01:04

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb 2.5kb 5.0kb 7.5kb 10.0kb 12.5kb 15.0kb 17.5kb

HLA-DRB1*07:01:01:04 (identity: 72.05%)
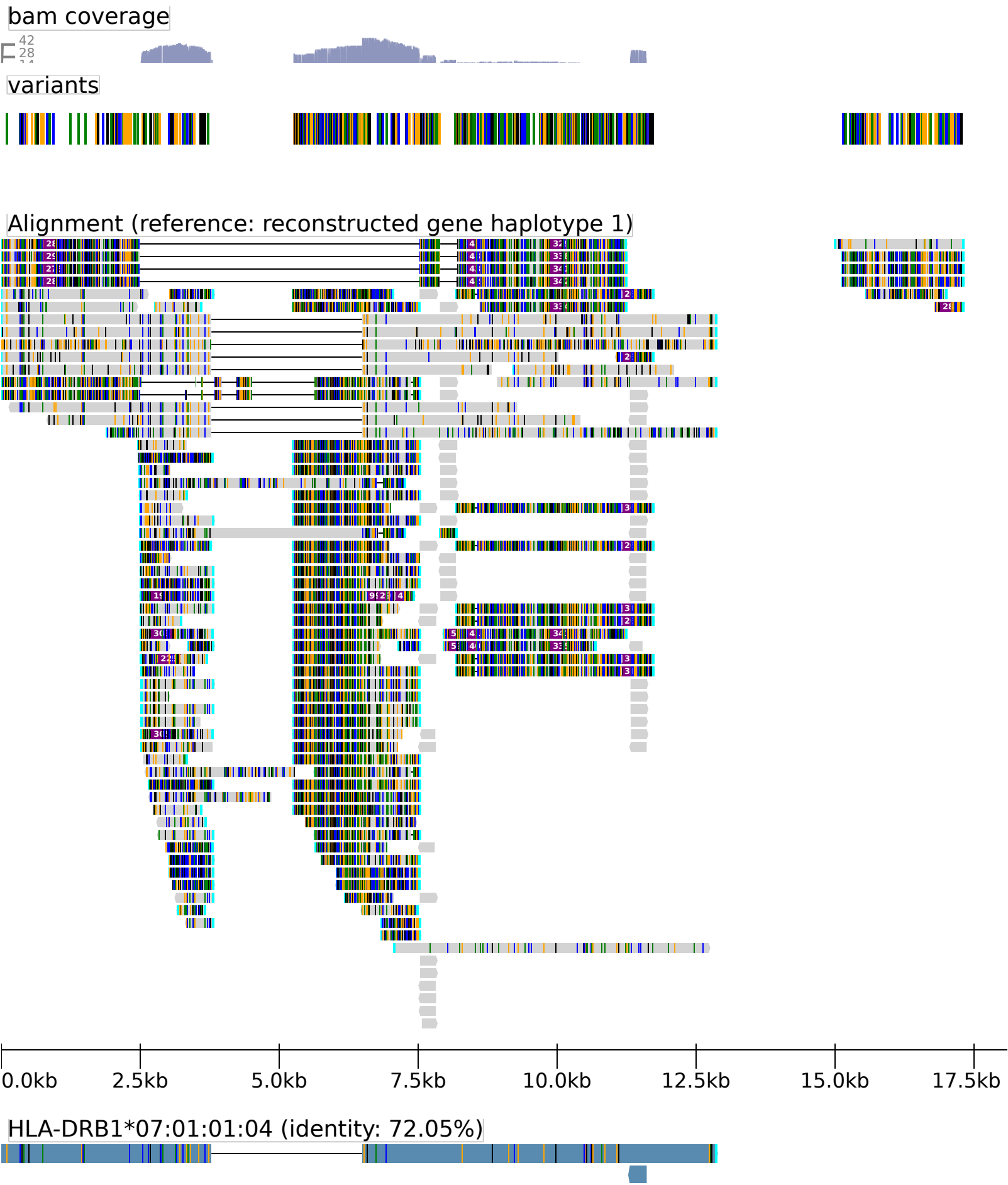
Sample: NA12890

Locus: HLA-DRB3

Resolution: 4th field

Full typing result:

HLA-DRB3*01:01:02:03

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
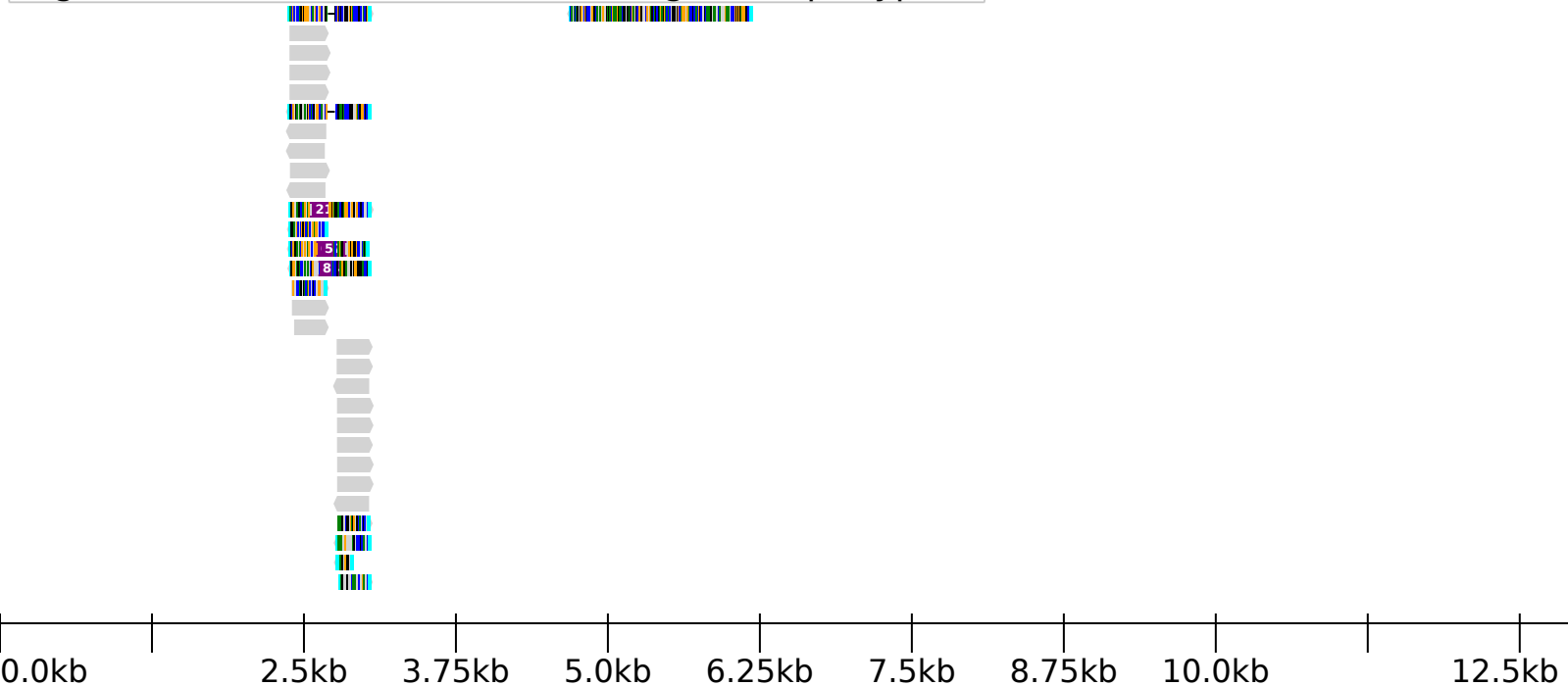
HLA-DRB3*01:01:02:03 (identity: 80.81%)

Sample: NA12890
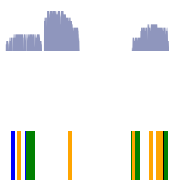
Locus: HLA-DRB3

Resolution: 4th field

Full typing result:

HLA-DRB3*02:22:01
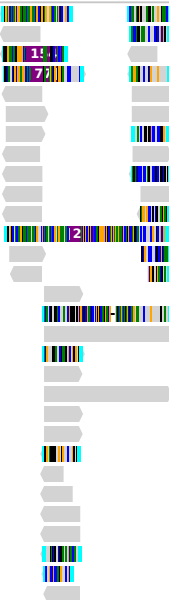

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb 2.5kb 3.75kb 5.0kb 6.25kb 7.5kb 8.75kb 11.25kb

HLA-DRB3*02:22:01 (identity: 83.54%)

Sample: NA12890

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*01:152   HLA-DRB4*01:03:01:02N
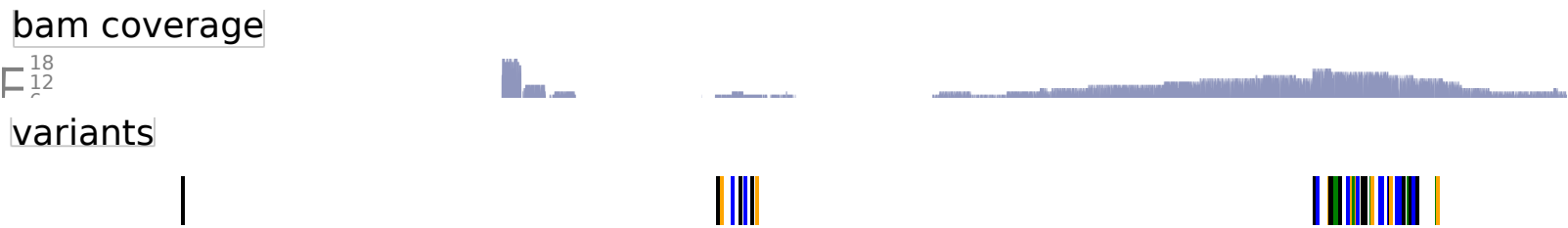
bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

HLA-DRB4*01:03:01:01 (identity: 75.89%)

HLA-DRB4*01:03:01:03 (identity: 75.89%)

HLA-DRB4*01:03:01:18 (identity: 75.89%)

HLA-DRB4*01:152 (identity: 75.89%)

HLA-DRB4*01:03:01:02N (identity: 75.76%)
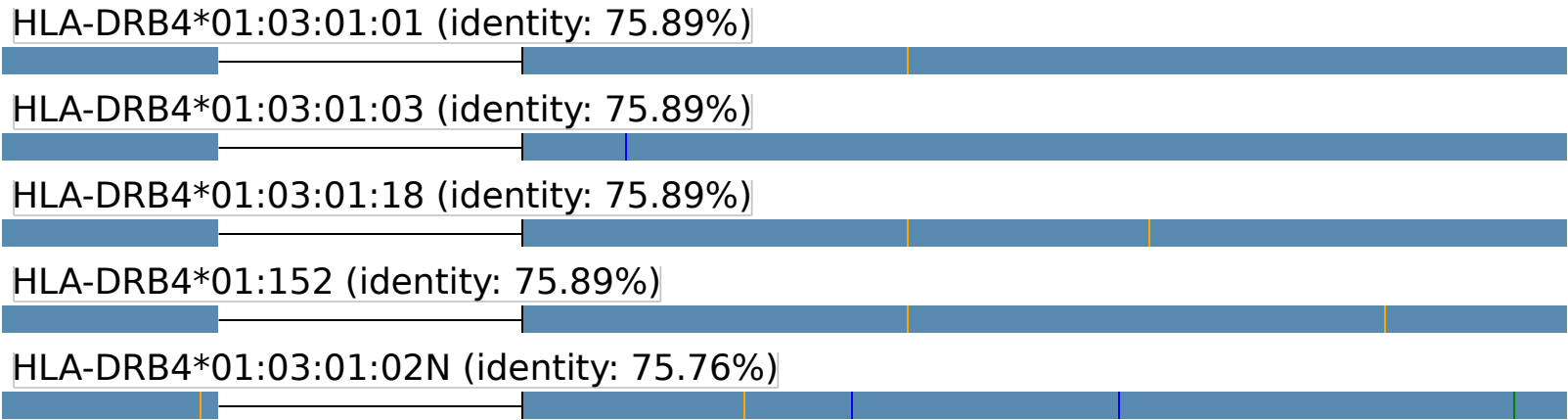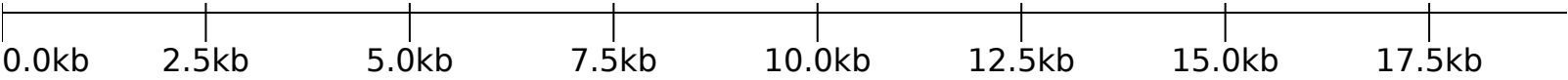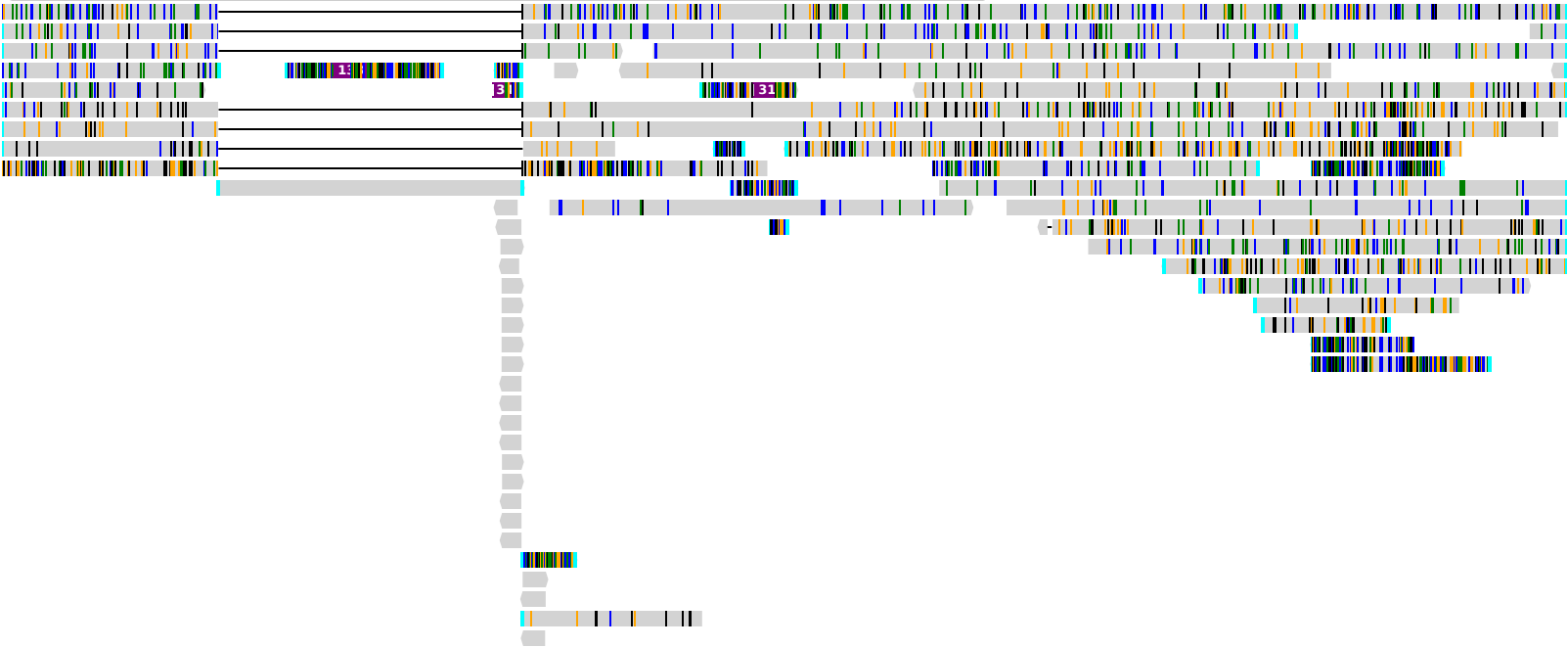
Sample: **NA12890**

Locus: **HLA-DRB4**

Resolution: **4th field**

Full typing result:

| HLA-DRB4*01:01:01:01 | HLA-DRB4*01:01:12 | HLA-DRB4*02:01N |

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)
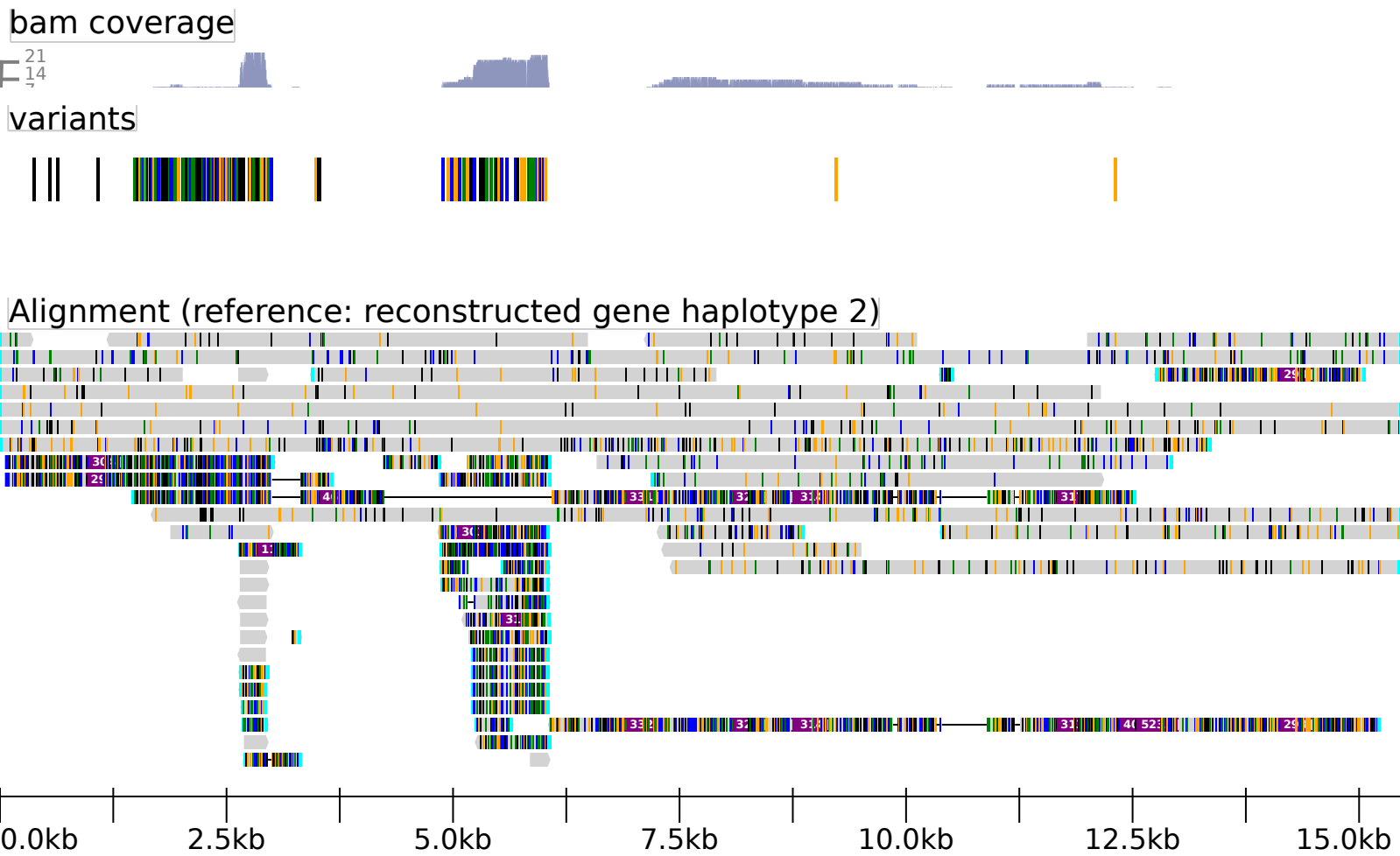
HLA-DRB4*01:01:01:01 (identity: 99.99%)

HLA-DRB4*01:01:12 (identity: 99.98%)

HLA-DRB4*02:01N (identity: 99.92%)

Sample: NA12890

Locus: HLA-DRB5

Resolution: 4th field

Full typing result:

HLA-DRB5*01:01:01:04

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

HLA-DRB5*01:01:01:04 (identity: 88.64%)

Sample: NA12890

Locus: HLA-DRB5

Resolution: 4th field

Full typing result:

HLA-DRB5*01:01:01:03

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
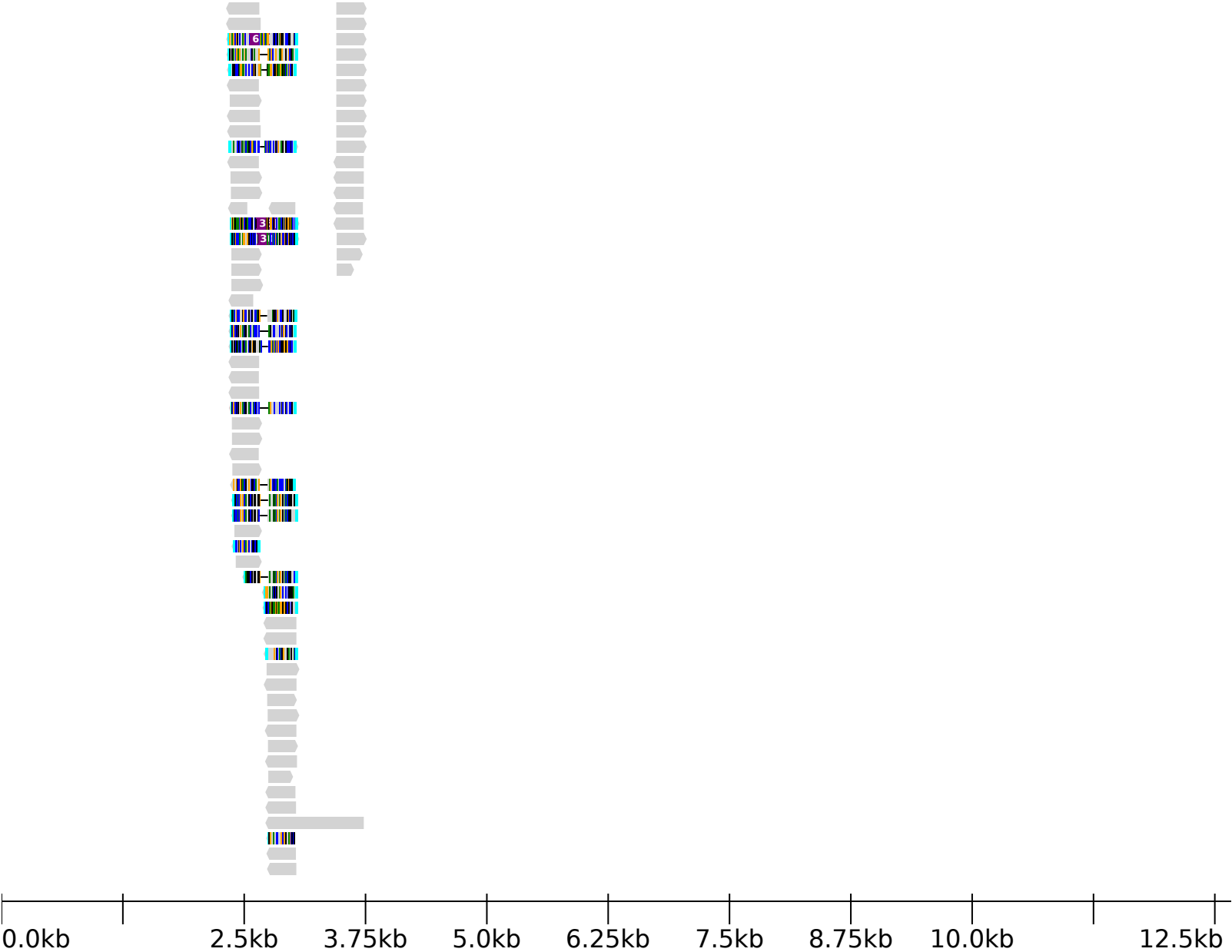
HLA-DRB5*01:01:01:03 (identity: 68.11%)
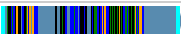
Sample: NA12890

Locus: HLA-E

Resolution: 4th field

Full typing result:
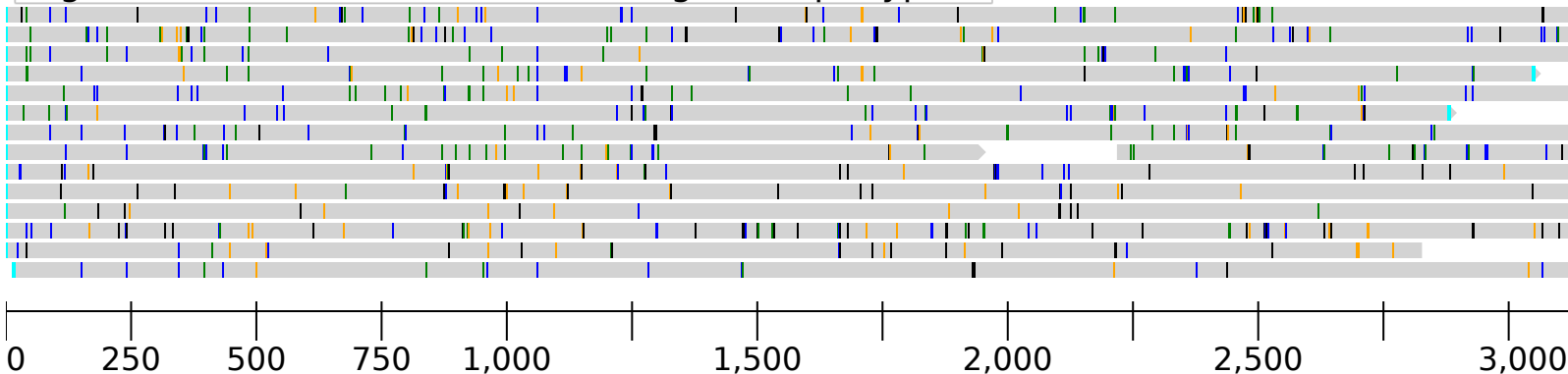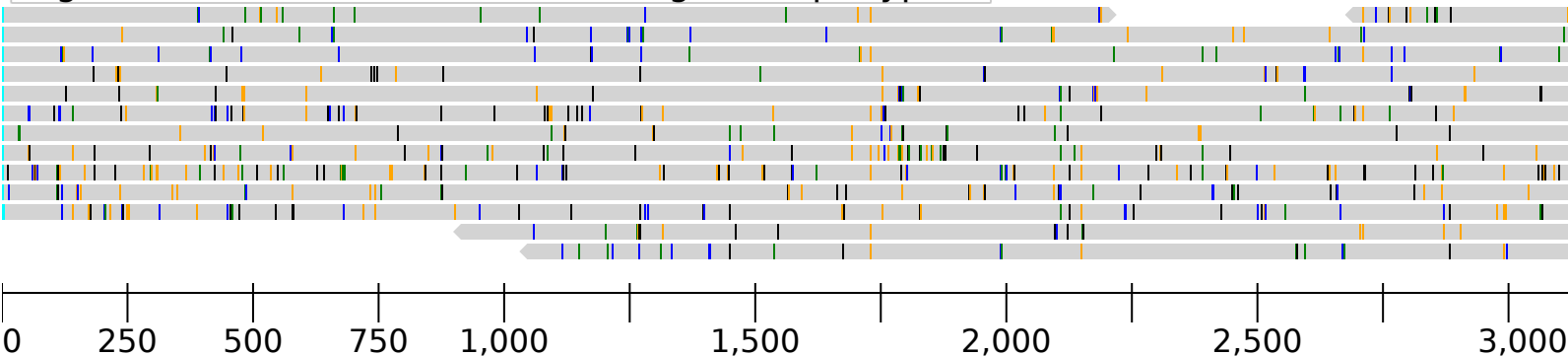
HLA-E*01:03:02:02

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

HLA-E*01:03:02:02 (identity: -105.44%)

Sample: NA12890

Locus: HLA-F

Resolution: 4th field

Full typing result:
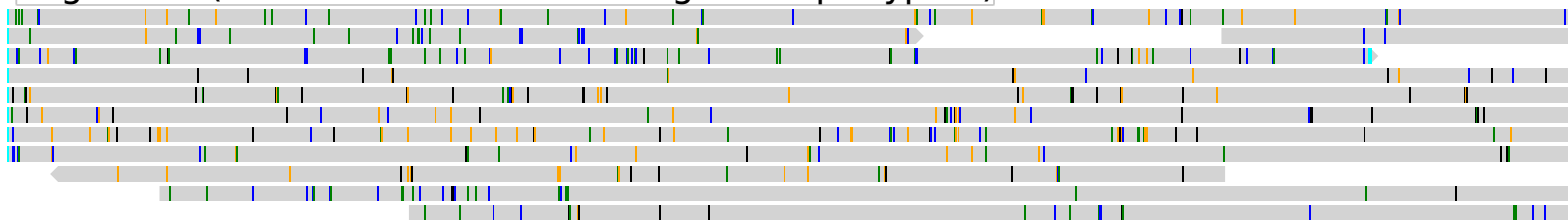
HLA-F*01:01:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)
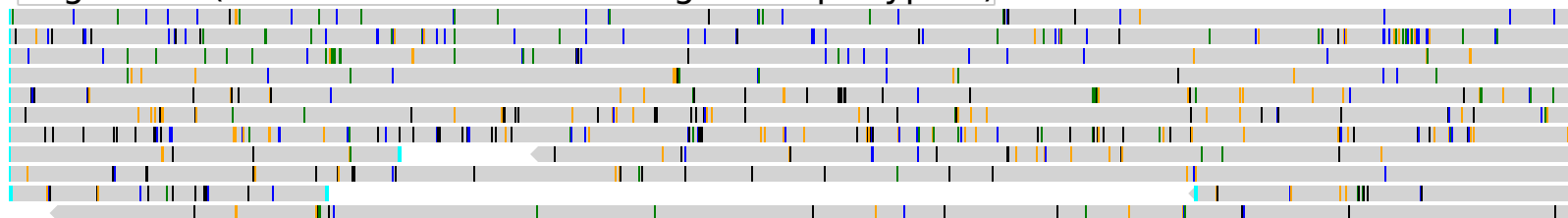
0.0kb   1.0kb   2.0kb   3.0kb

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

Sample: NA12890

Locus: **HLA-F**

Resolution: **4th field**

Full typing result:

HLA-F*01:03:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)
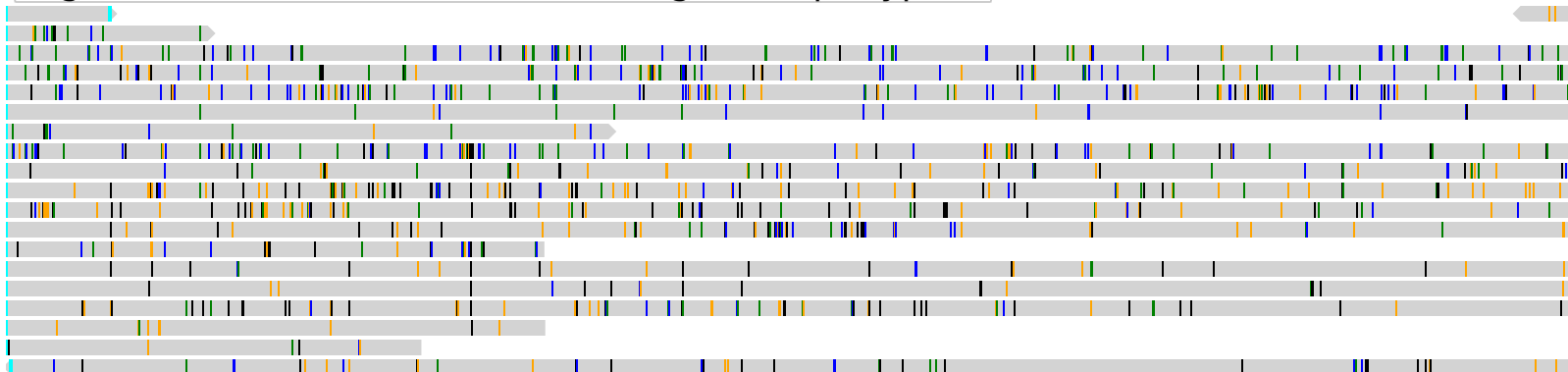
| 0.0kb | 1.0kb | 2.0kb | 3.0kb |

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

Sample: NA12890

Locus: HLA-G

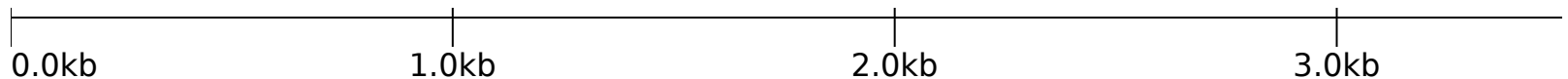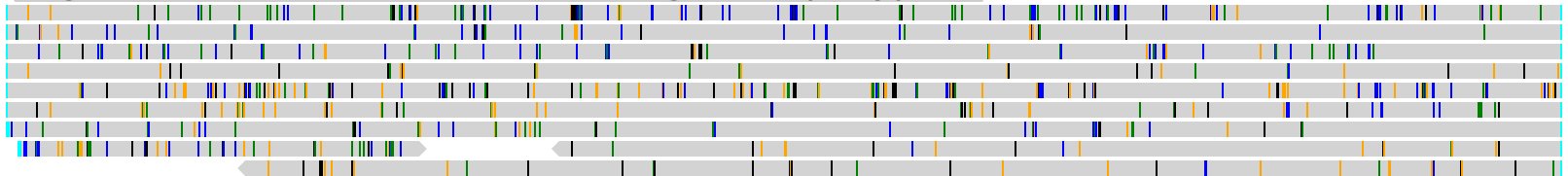**Resolution:** 4th field

Full typing result:

HLA-G*01:01:01:05

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

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

Sample: **NA12890**

Locus: **HLA-G**

Resolution: **4th field**

Full typing result:

HLA-G*01:01:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

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

Sample: NA12890

Locus: HLA-H

Resolution: 4th field
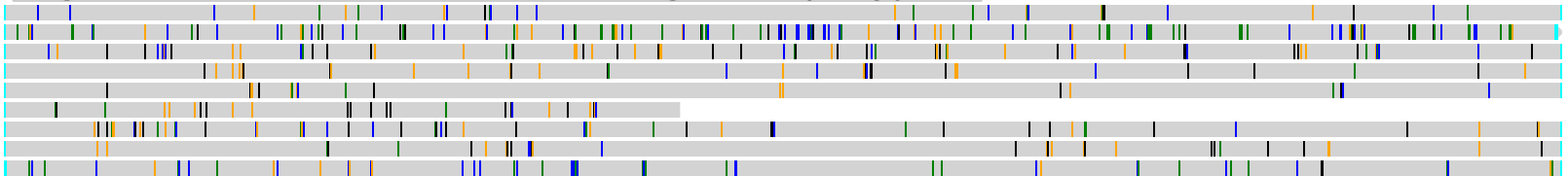
Full typing result:

HLA-H*01:01:01:01

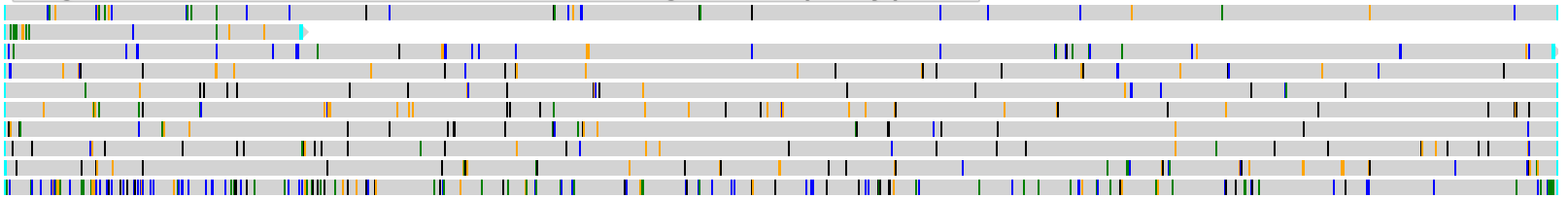bam coverage

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: NA12890

Locus: HLA-H

Resolution: 4th field

Full typing result:

HLA-H*02:04:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb

HLA-H*02:04:01 (identity: 100.00%)

Sample: NA12890

Locus: HLA-J

Resolution: 4th field

Full typing result:
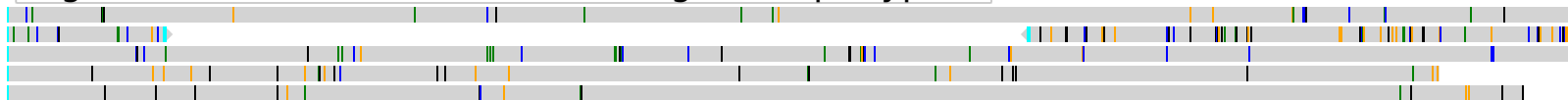
HLA-J*01:01:01:04

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb

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

Sample: NA12890

Locus: HLA-J

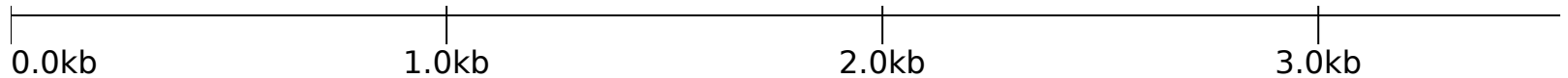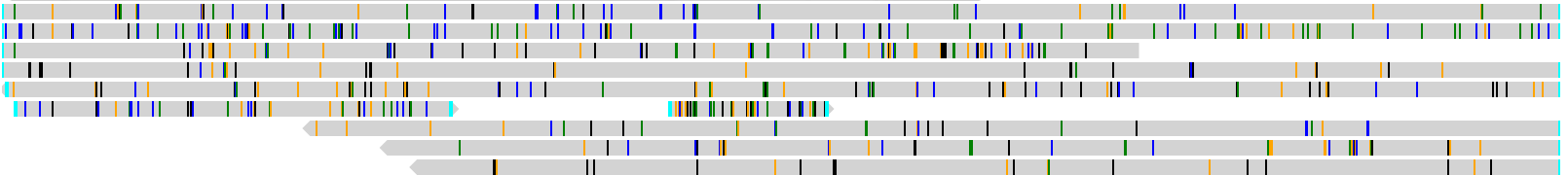**Resolution:** 4th field

Full typing result:
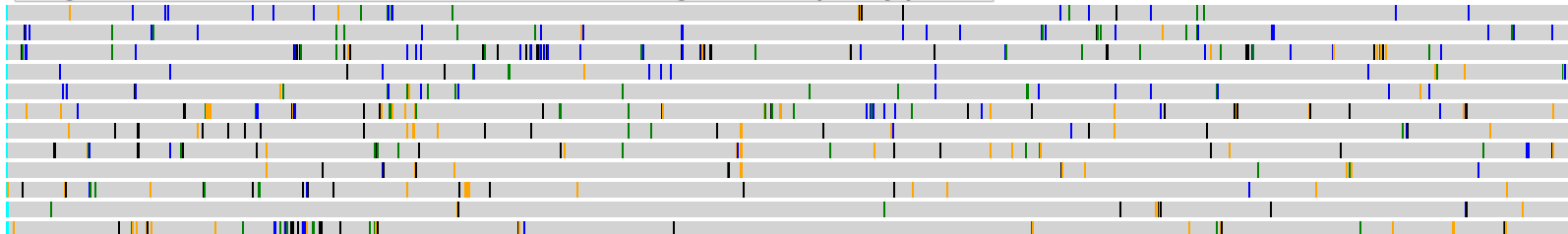
HLA-J*01:01:01:05

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: **NA12890**

Locus: **HLA-K**

Resolution: **4th field**

Full typing result:

HLA-K*01:01:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb

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

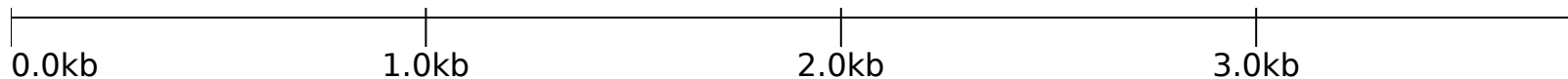*Sample:* **NA12890**

Locus: **HLA-K**

Resolution: **4th field**

Full typing result:

HLA-K*01:02

bam coverage

8
6

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb   1.0kb   2.0kb   3.0kb

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

Sample: NA12890

Locus: **HLA-L**

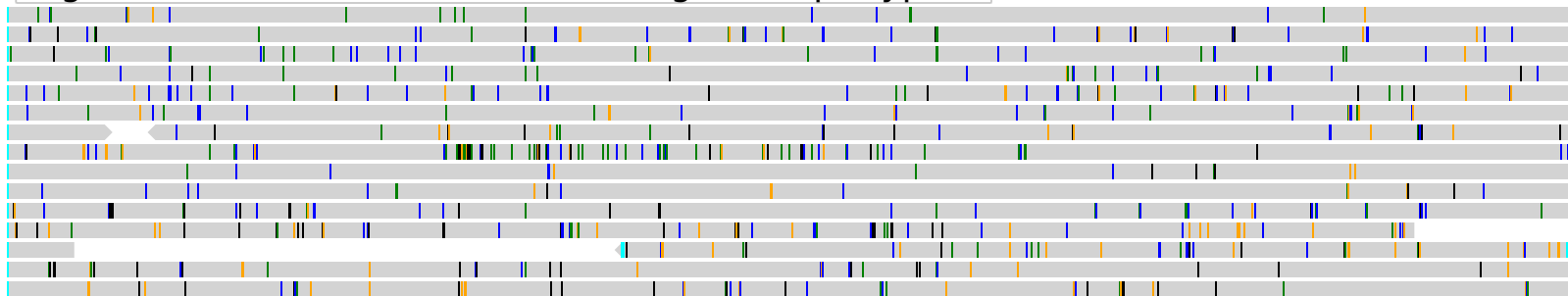*Resolution:* **4th field**

Full typing result:

HLA-L*01:01:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

0.0kb   1.0kb   2.0kb   3.0kb

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

Sample: **NA12890**

Locus: **HLA-L**

Resolution: **4th field**

Full typing result:

HLA-L*01:01:01:03

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb   1.0kb   2.0kb   3.0kb

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

Sample: **NA12890**

Locus: **HLA-N**

Resolution: **4th field**

Full typing result:

HLA-N*01:01:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0   100   200   300   400   500   600
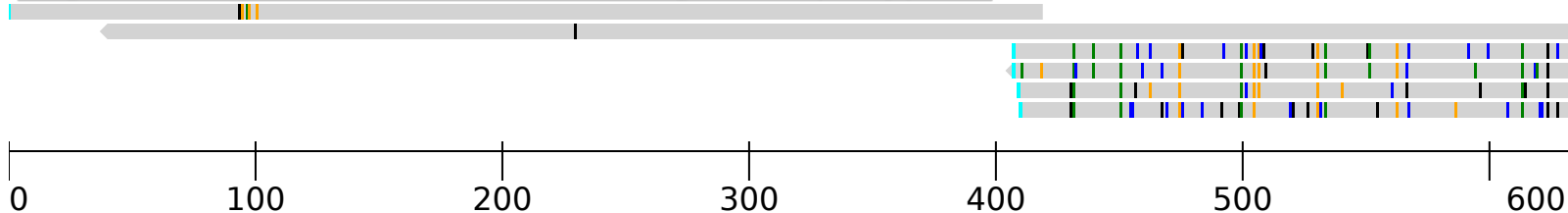
HLA-N*01:01:01:01 (identity: 100.00%)

Sample: NA12890

Locus: HLA-P

Resolution: 4th field
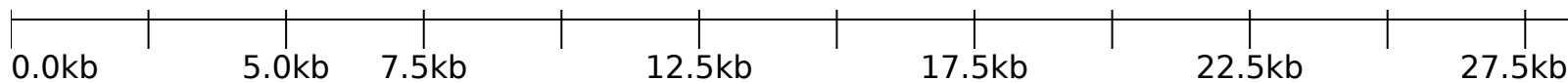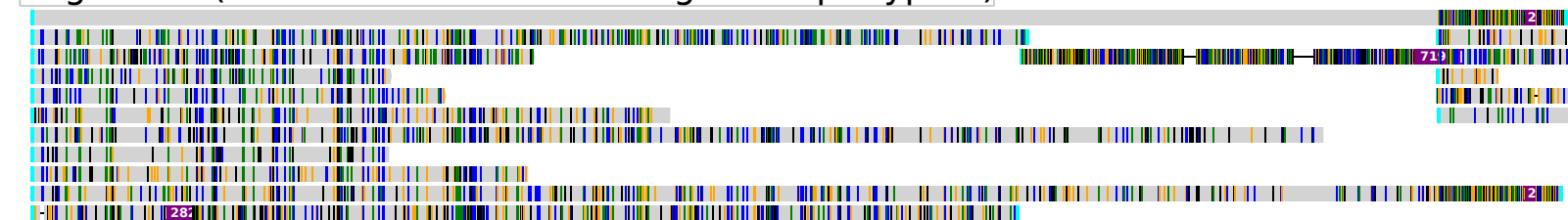
Full typing result:

HLA-P*02:01:01:01

bam coverage

variants
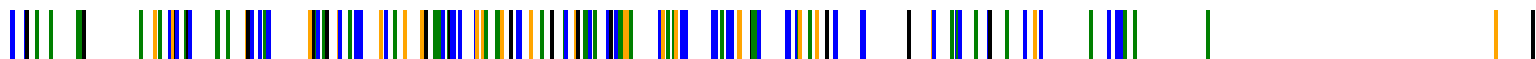
Alignment (reference: reconstructed gene haplotype 1)
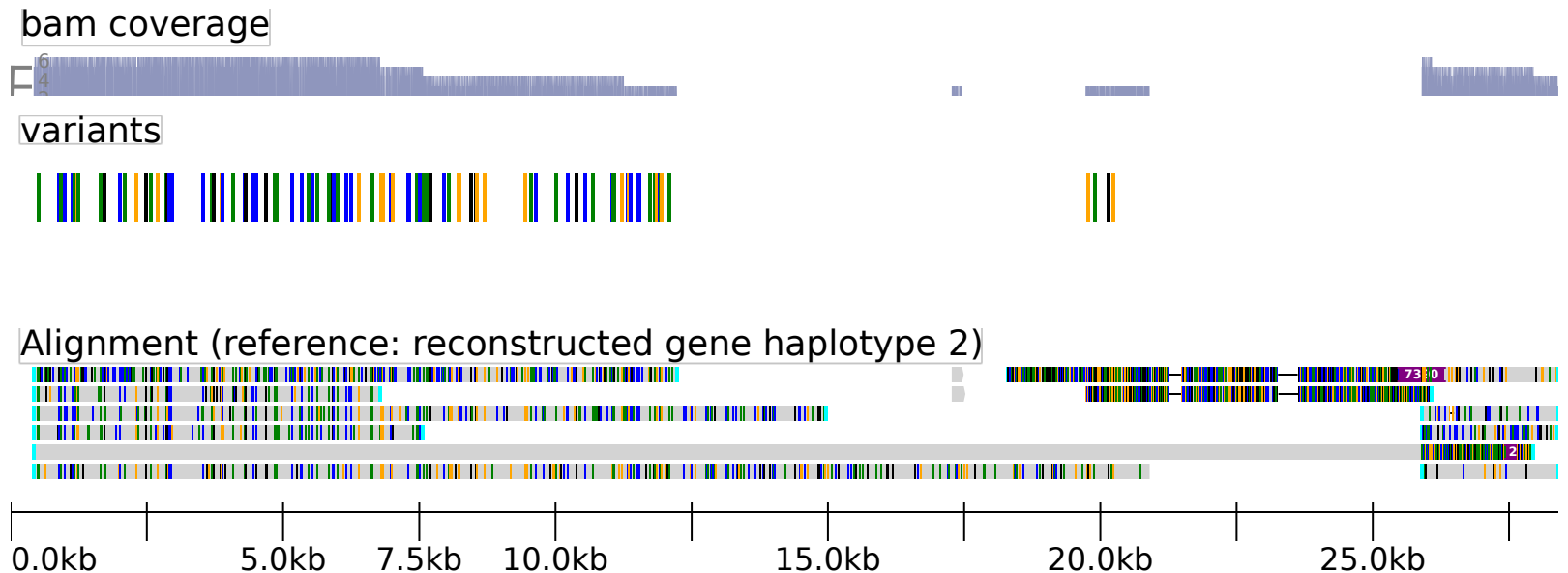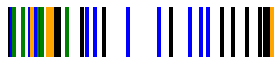
HLA-P*02:01:01:01 (identity: 100.00%)

Sample: NA12890

Locus: HLA-P

Resolution: 4th field

Full typing result:
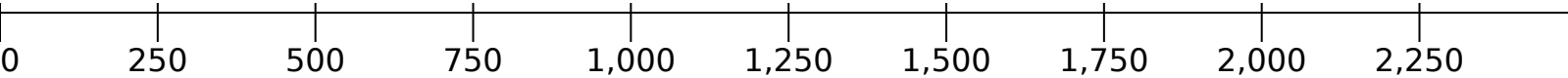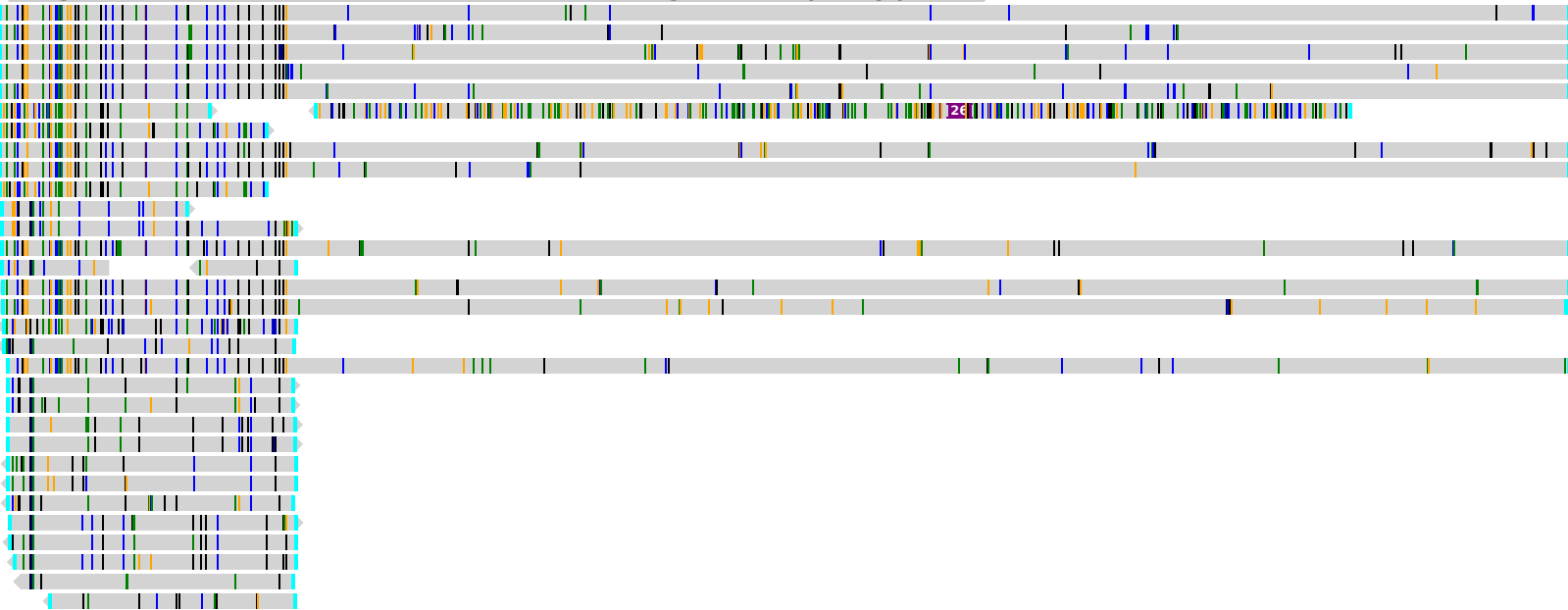
HLA-P*02:01:01:02

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

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

Sample: **NA12890**

Locus: **HLA-T**

Resolution: **4th field**

Full typing result:

HLA-T*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

HLA-T*03:01:01:02 (identity: 98.51%)

Sample: NA12890

Locus: HLA-T

Resolution: 4th field
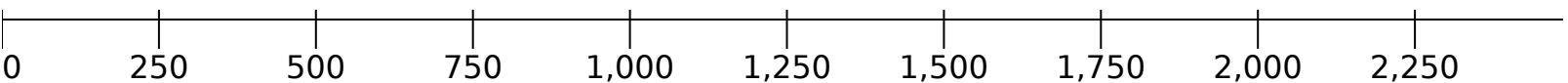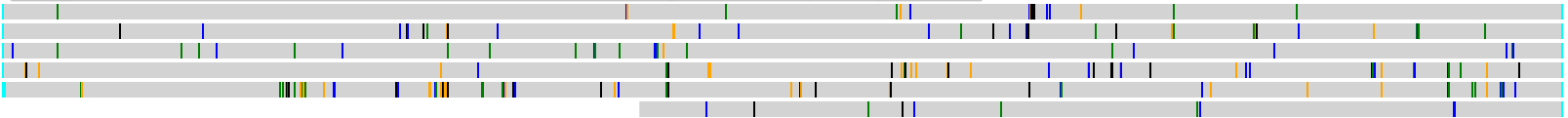
Full typing result:

HLA-T*01:01:01:05

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

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

Sample: NA12890

Locus: **HLA-U**

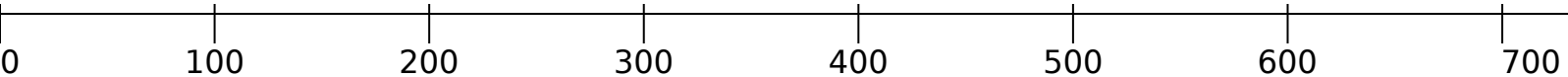**Resolution:** 4th field

Full typing result:

HLA-U*01:04

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

HLA-U*01:04 (identity: 98.49%)

Sample: NA12890

Locus: HLA-U

Resolution: 4th field

Full typing result:

HLA-U*01:03

bam coverage

variants

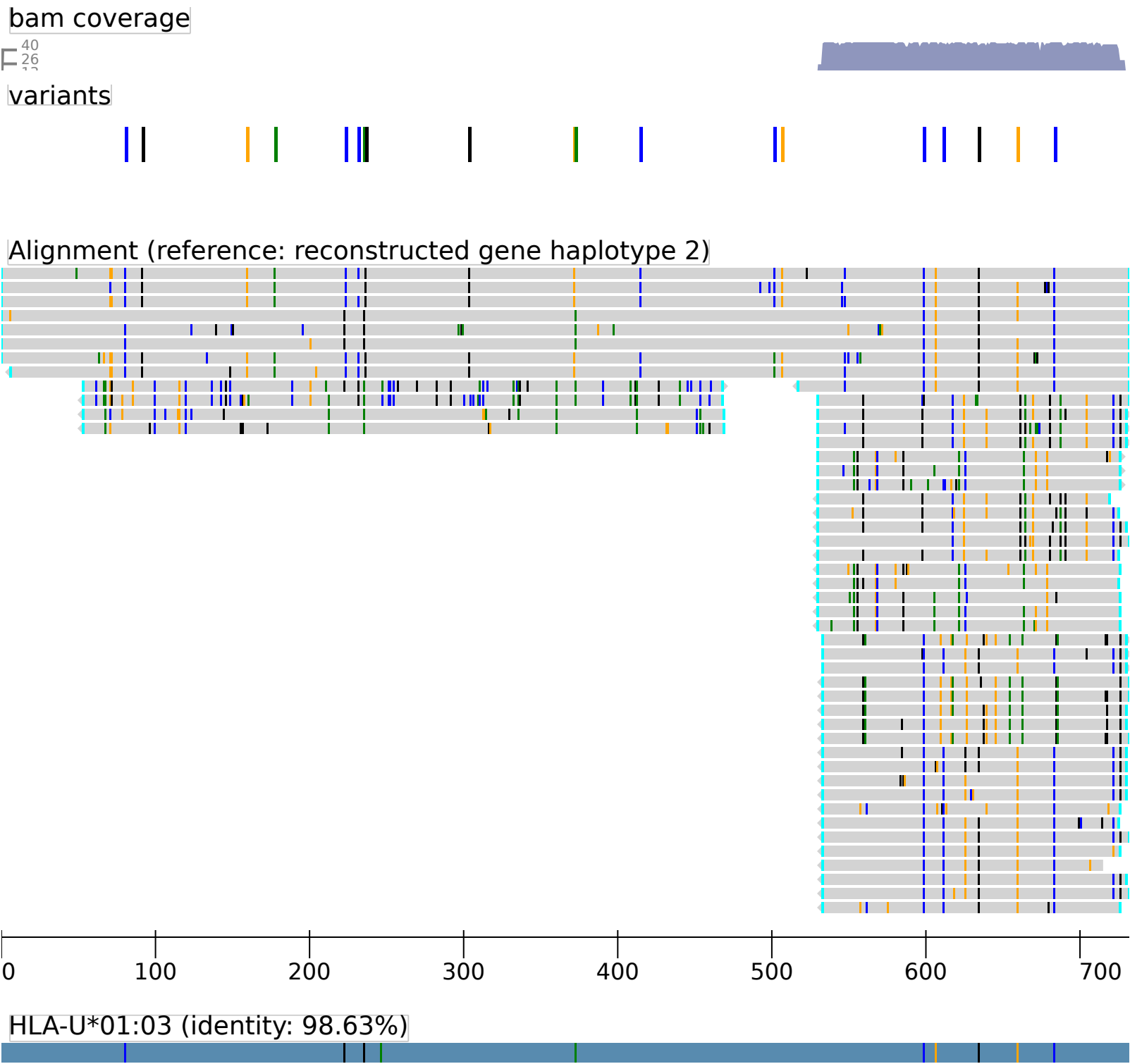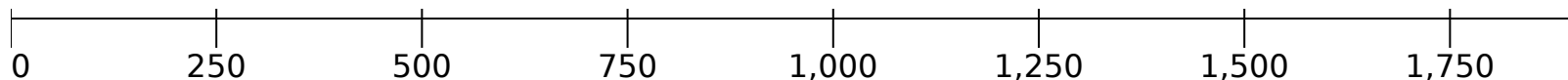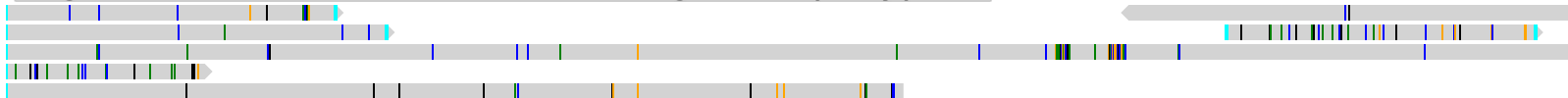Alignment (reference: reconstructed gene haplotype 2)

HLA-U*01:03 (identity: 98.63%)

Sample: **NA12890**

Locus: **HLA-V**

Resolution: **4th field**

Full typing result:

> HLA-V*01:01:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

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

HLA-V*01:01:01:01 (identity: 98.00%)

Sample: NA12890

Locus: HLA-W

Resolution: 4th field

Full typing result:

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

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

HLA-W*03:01:01:02 (identity: 100.00%)

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

Sample: **NA12890**

Locus: **HLA-W**

Resolution: **4th field**

Full typing result:
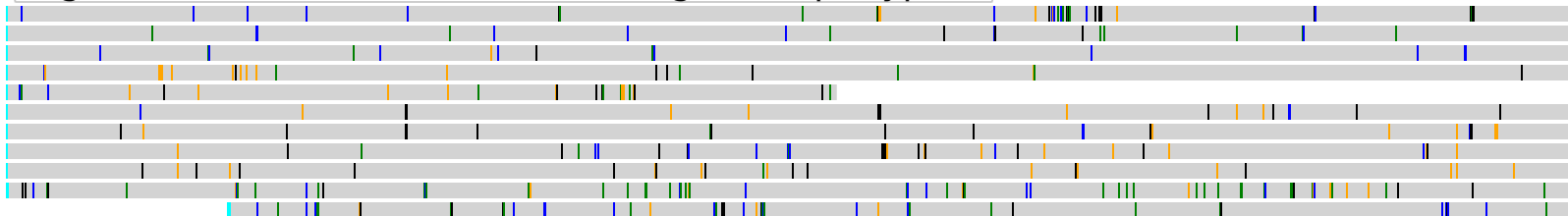
HLA-W*01:01:01:05
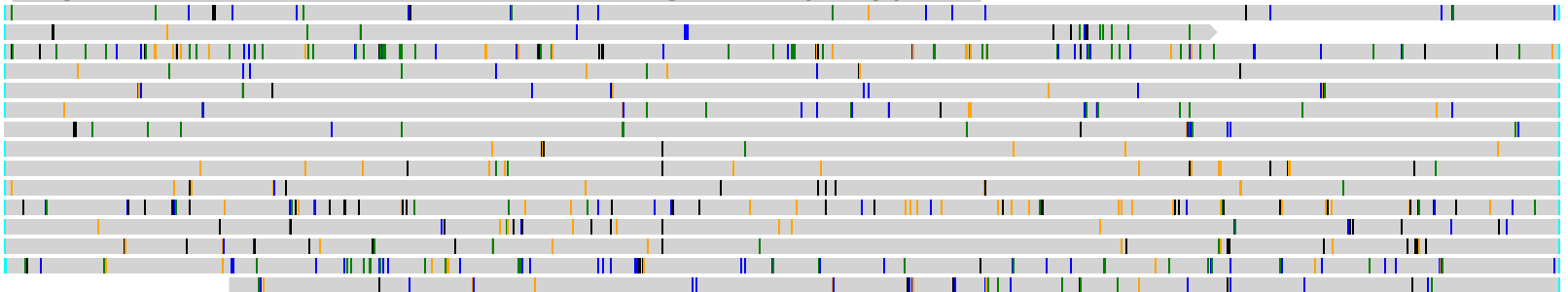
bam coverage

14
9
5

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

Sample: NA12890

Locus: MICA

Resolution: 4th field

Full typing result:

MICA*010:01:01   MICA*010:01:05

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

0.0kb   2.5kb   5.0kb   7.5kb   10.0kb   12.5kb   15.0kb   17.5kb

MICA*010:01:01 (identity: 99.95%)

MICA*010:01:05 (identity: 99.94%)

Sample: NA12890

Locus: MICA

Resolution: 4th field

Full typing result:

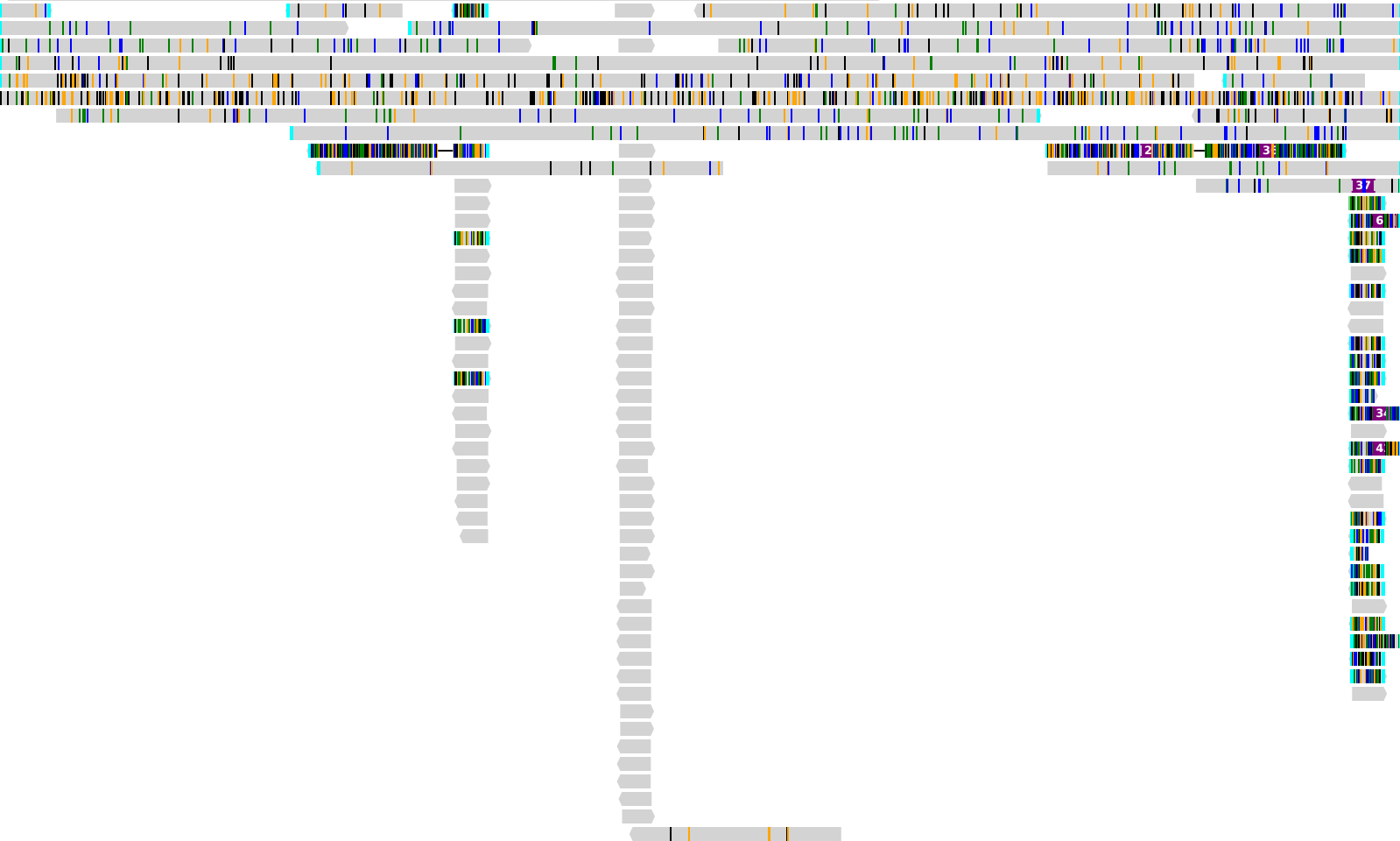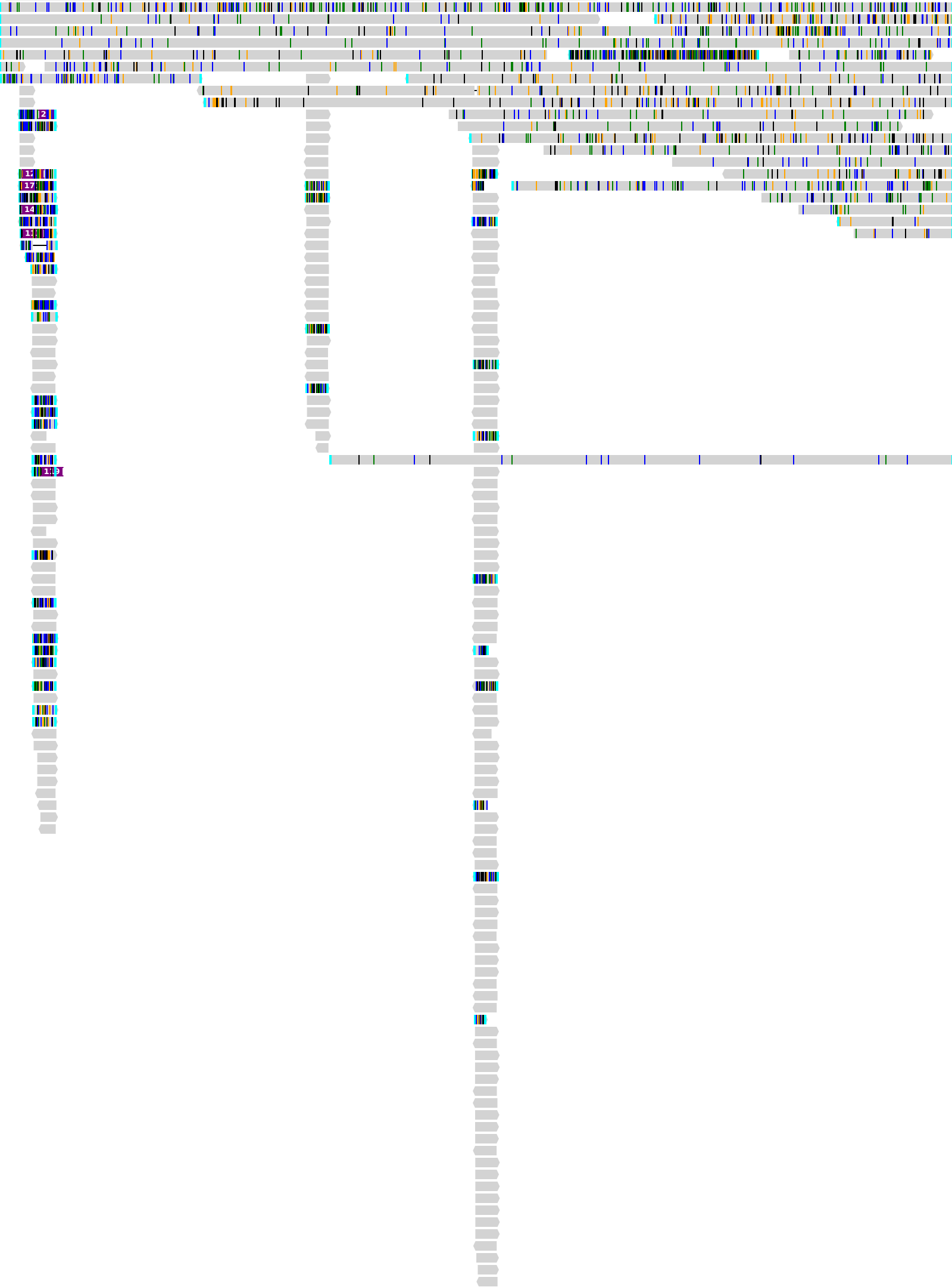MICA*004:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

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

MICA*004:01:01 (identity: 100.00%)

Sample: **NA12890**

Locus: **MICB**

Resolution: **4th field**

Full typing result:

MICB*005:02:02

bam coverage

92
61

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*005:02:02 (identity: 100.00%)

Sample: NA12890

Locus: MICB

Resolution: 4th field
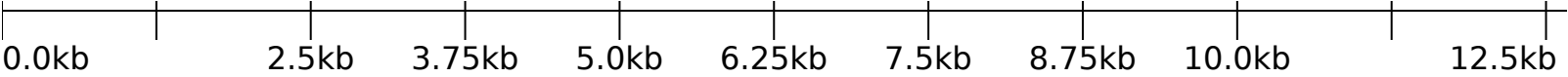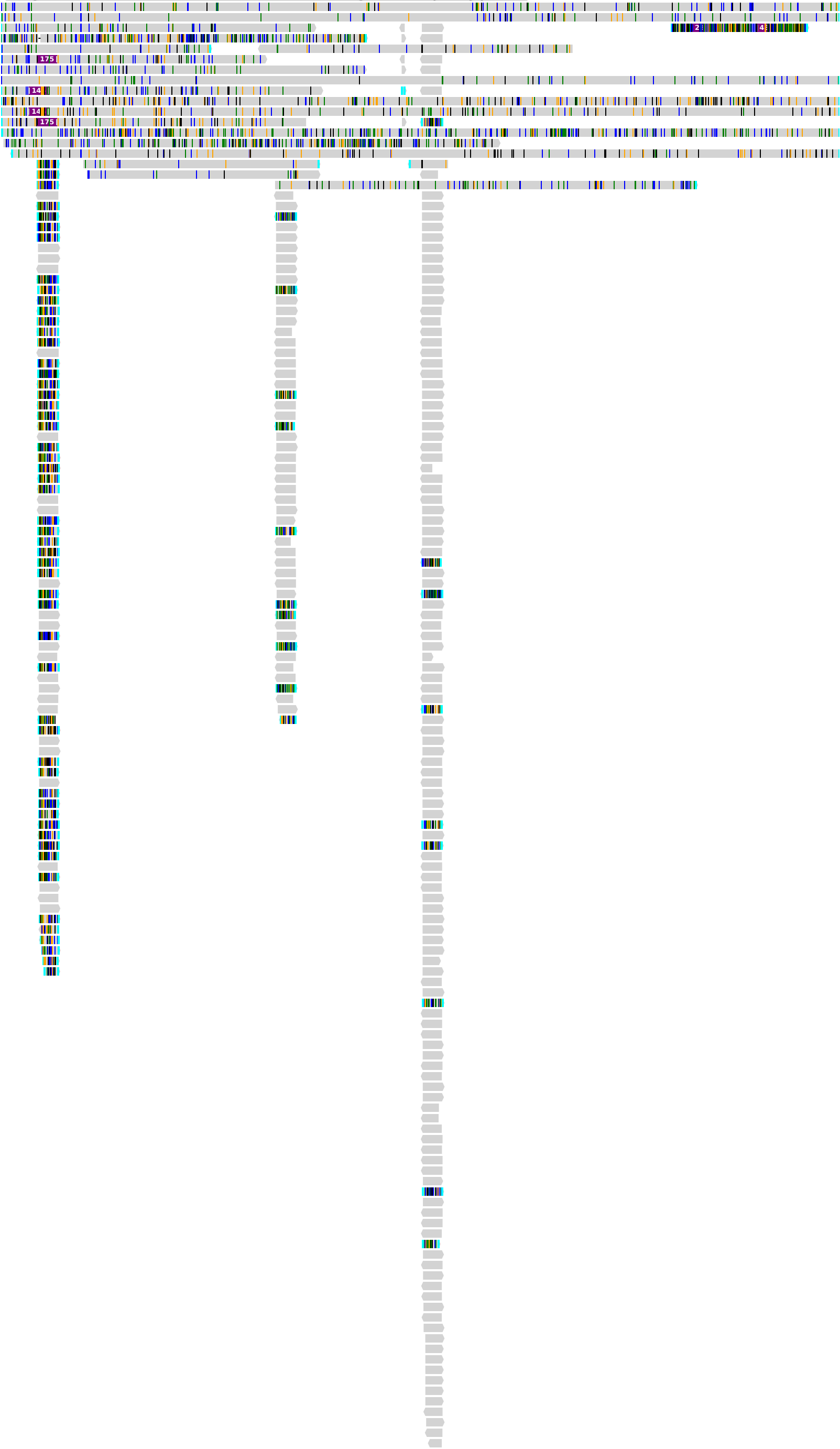
Full typing result:

MICB*002:01:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

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

MICB*002:01:01 (identity: 99.86%)

Sample: NA12890

Locus: TAP1

Resolution: 4th field

Full typing result:

TAP1*01:01:01:04

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 |
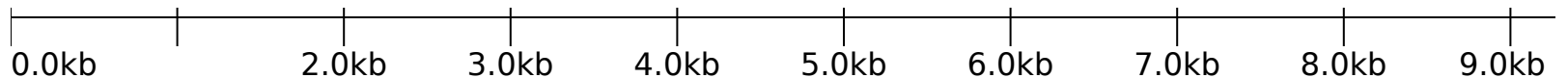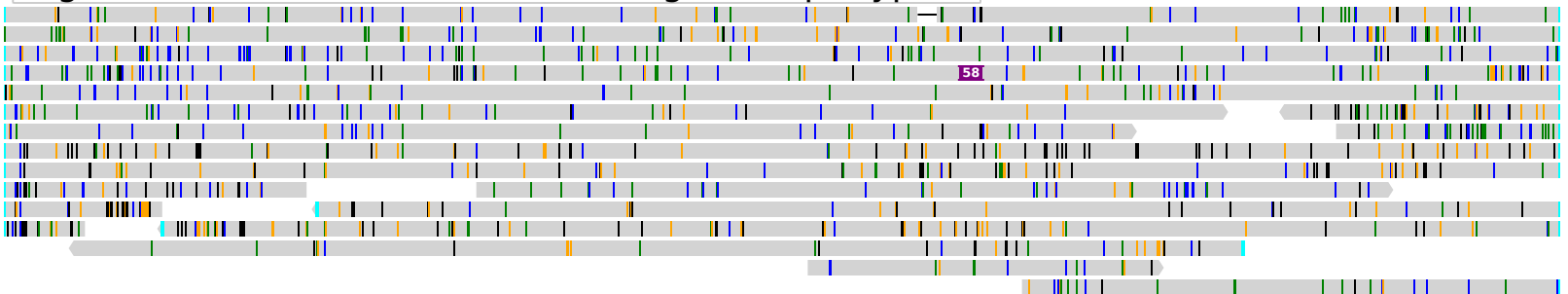
TAP1*01:01:01:04 (identity: 99.99%)

Sample: **NA12890**

Locus: **TAP1**

Resolution: **4th field**

Full typing result:

TAP1*01:01:01:03

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

273

0.0kb   2.0kb   3.0kb   4.0kb   5.0kb   6.0kb   7.0kb   8.0kb   9.0kb
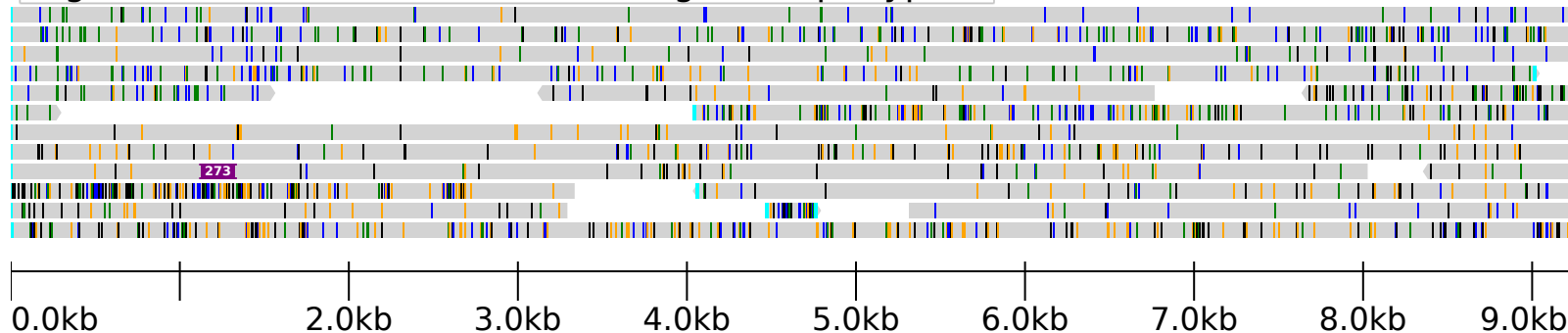
TAP1*01:01:01:03 (identity: 99.98%)

Sample: NA12890

Locus: TAP2

Resolution: 4th field

Full typing result:

TAP2*01:01:03:02

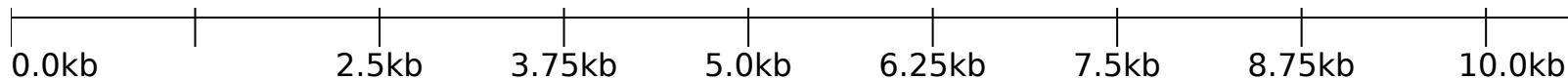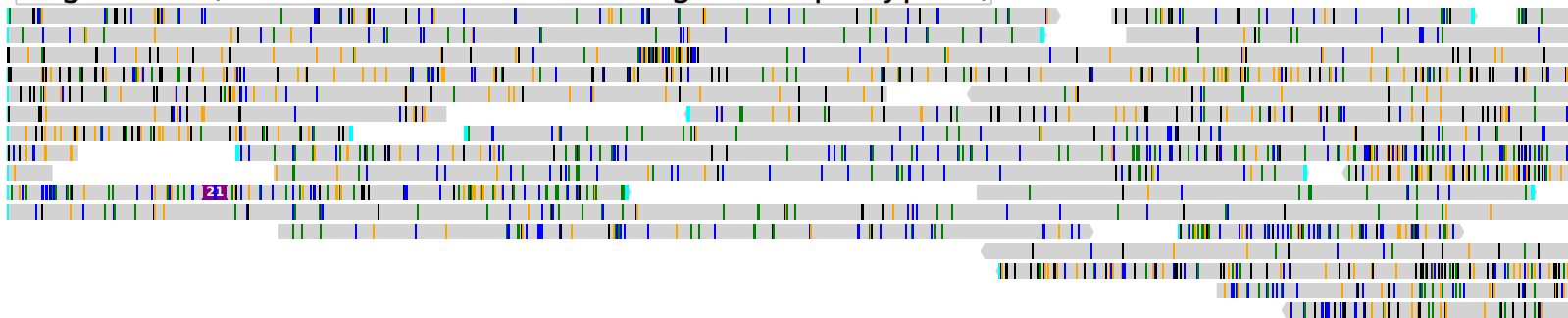bam coverage

variants

Alignment (reference: reconstructed gene haplotype 1)

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

TAP2*01:01:03:02 (identity: 99.98%)

Sample: NA12890

Locus: TAP2

Resolution: 4th field

Full typing result:
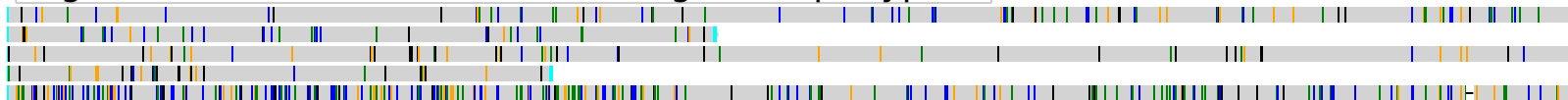
TAP2*02:01:02:01

bam coverage

variants

Alignment (reference: reconstructed gene haplotype 2)

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

TAP2*02:01:02:01 (identity: 99.82%)