

Sample: pbaa_06896-3_passed_cluster_sequences

Full typing result

	Allele 1	Allele 2	CWD 1	CWD 2	Review status
HLA-A	01:01:01:01	26:01:01:01	C	C	Not reviewed
HLA-B	40:02:01:01	58:01:01:01	C	C	Not reviewed
HLA-C	02:02:02:01	03:02:02:01	C	WD	Not reviewed
DRB1	13:01:01:01	13:02:01:01	C	C	Not reviewed
DQB1	06:03:01:01	06:09:01:01	C	C	Not reviewed
DPB1	02:01:02:01	02:01:02:26	C	No	Not reviewed

Genotype ambiguities

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
				A*01:01:01:01 : A*01:01:01:25	No
				B*40:02:01:01 : B*40:02:01:02 : B*40:02:01:03 : B*40:02:01:08	No No No
				B*58:01:01:01 : B*58:01:01:03	No
				C*03:02:02:01 : C*03:02:02:05	No
				DRB1*13:01:01:01 : DRB1*13:01:01:02 : DRB1*13:01:01:03	No No
				DRB1*13:02:01:01 : DRB1*13:02:01:03 : DRB1*13:02:01:04	No No
DQB1*06:09:01:01 : DQB1*06:281	No	DQB1*06:03:01:01 : DQB1*06:03:35	No	DQB1*06:03:01:01 : DQB1*06:03:01:02	No
				DPB1*02:01:02:01 : DPB1*02:01:02:04 : DPB1*02:01:02:05 : DPB1*02:01:02:07 : DPB1*02:01:02:15 : DPB1*02:01:02:17 <i>and 9 more</i>	No No No No No

Libraries used

IMGT 3.38.0

Source files

- pbaa_06896-3_passed_cluster_sequences.fasta

Sample: pbaa_06896-3_passed_cluster_sequences

Locus: HLA-A

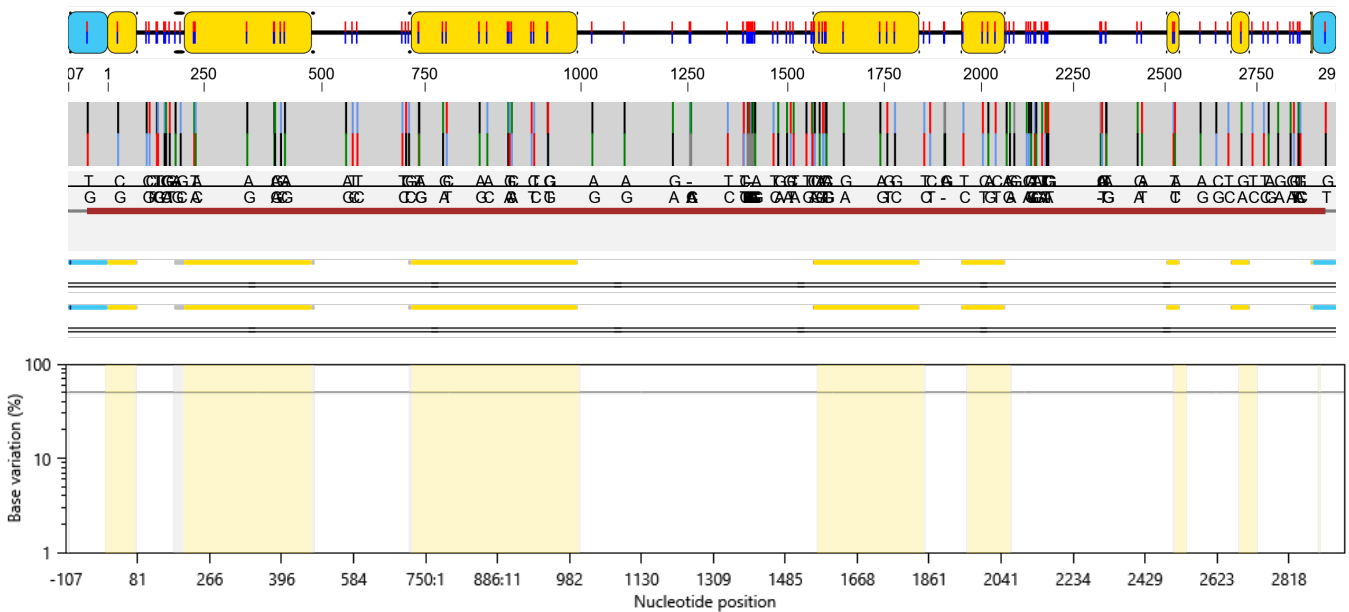
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
A*01:01:01:01	A*26:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
A*01:01:01:01	
: A*01:01:01:25	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_06896-3_passed_cluster_sequences

Locus: HLA-B

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
B*40:02:01:01	B*58:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

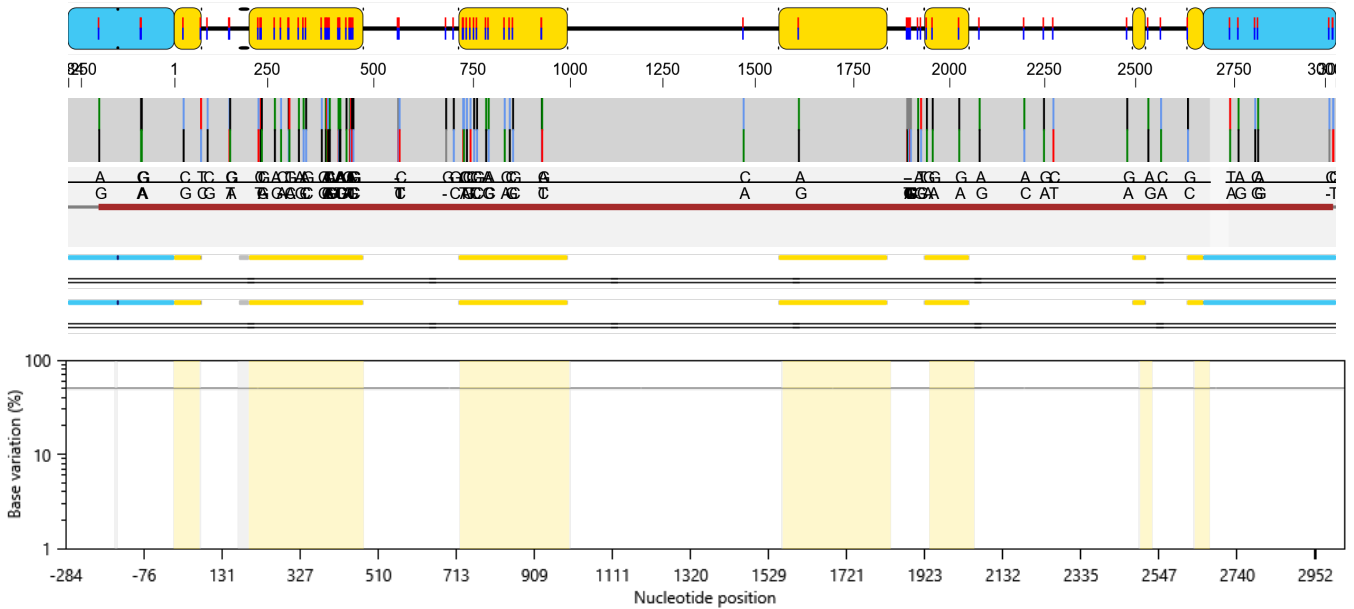
Allele ambiguities

4th field CWD

B*40:02:01:01
: B*40:02:01:02 No
: B*40:02:01:03 No
: B*40:02:01:08 No

B*58:01:01:01
: B*58:01:01:03 No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_06896-3_passed_cluster_sequences

Locus: HLA-C

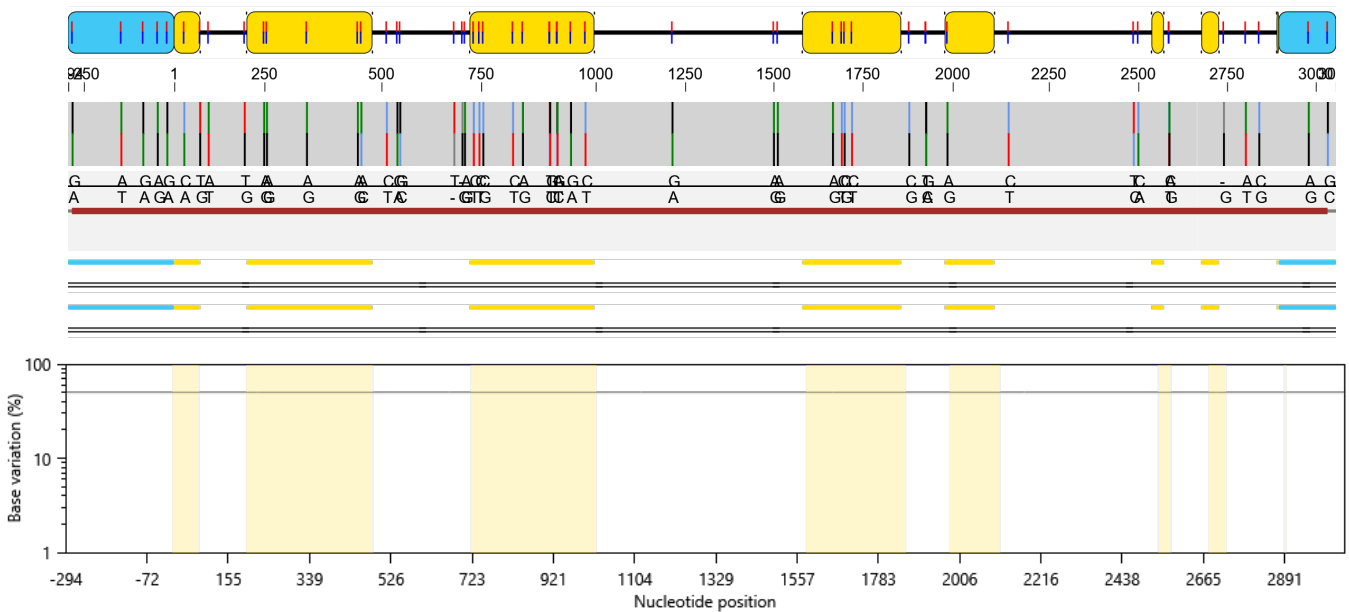
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
C*02:02:02:01	C*03:02:02:01	C	WD	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
C*03:02:02:01	
: C*03:02:02:05	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_06896-3_passed_cluster_sequences

Locus: DRB1

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DRB1*13:01:01:01	DRB1*13:02:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

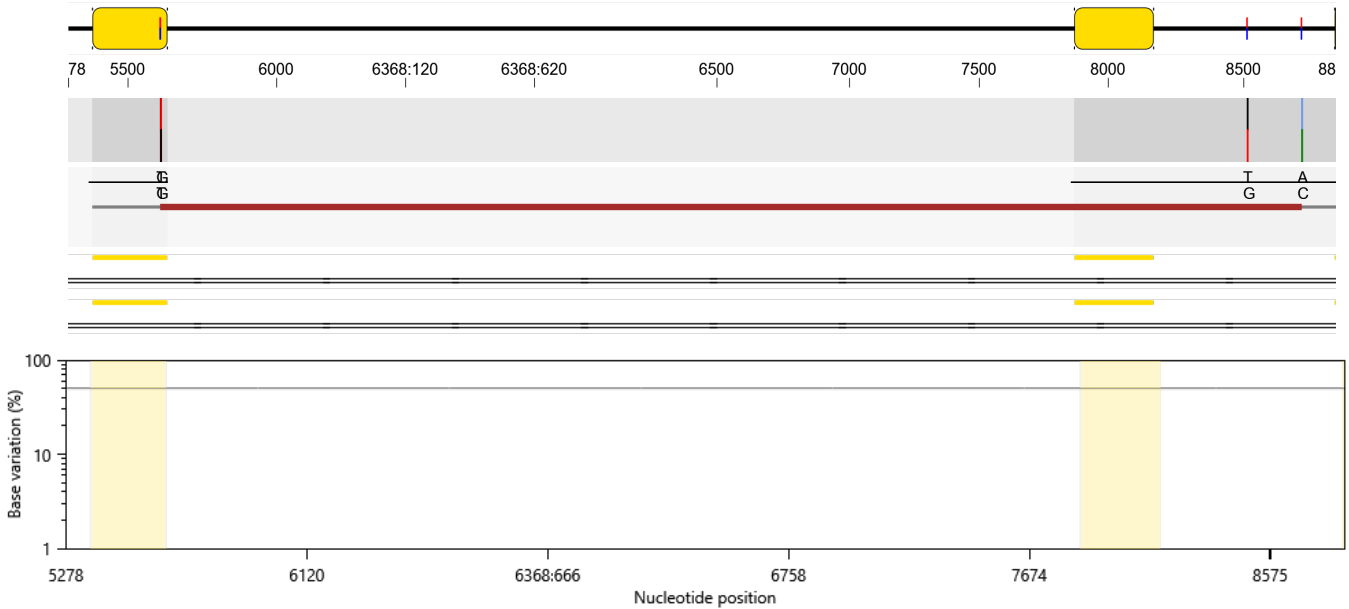
Allele ambiguities

4th field CWD

DRB1*13:01:01:01
: DRB1*13:01:01:02 No
: DRB1*13:01:01:03 No

DRB1*13:02:01:01
: DRB1*13:02:01:03 No
: DRB1*13:02:01:04 No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_06896-3_passed_cluster_sequences

Locus: DQB1

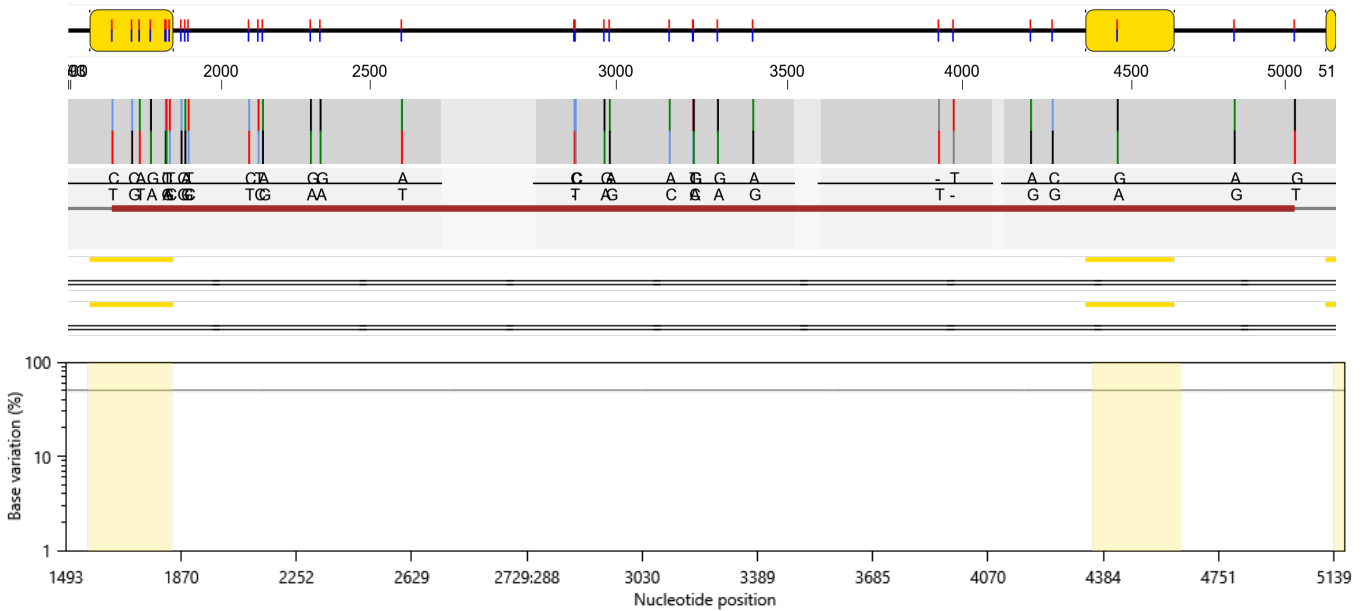
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DQB1*06:03:01:01	DQB1*06:09:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
DQB1*06:09:01:01 : DQB1*06:281	No	DQB1*06:03:01:01 : DQB1*06:03:35	No	DQB1*06:03:01:01 : DQB1*06:03:01:02	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_06896-3_passed_cluster_sequences

Locus: DPB1

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DPB1*02:01:02:01	DPB1*02:01:02:26	C	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

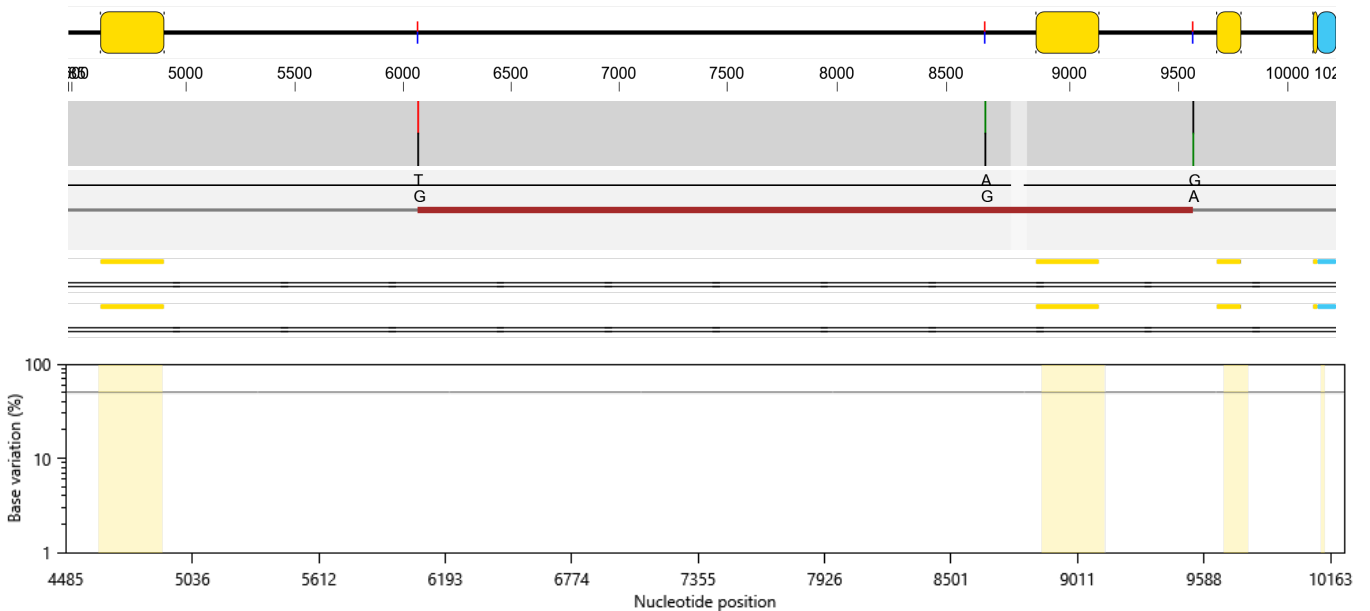
Allele ambiguities

4th field

CWD

DPB1*02:01:02:01	
: DPB1*02:01:02:04	No
: DPB1*02:01:02:05	No
: DPB1*02:01:02:07	No
: DPB1*02:01:02:15	No
: DPB1*02:01:02:17	No
and 9 more	

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample details

Reads

Total number of reads: 12
Mappability: 12 of 12 reads used
Software: NGSengine 2.18.0.17625

Locus	Number of reads	Reads Perc.
HLA-A	2	16.7 %
HLA-B	2	16.7 %
HLA-C	2	16.7 %
DRB1	2	16.7 %
DQB1	2	16.7 %
DPB1	2	16.7 %

Analysis settings

Locus	Amplicon	Analysis Region	Ignore Regions	Phasing algorithm	Read depth threshold	Allele ratio threshold	Quality trimming
HLA-A	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-B	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-C	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
DRB1	NGSgo-MX6-1	Amplicon	Default	Classic	20	15	Disabled
DQB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	15	Disabled
DPB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled

Quality trimming numbers: Absolute threshold, Relative threshold, Window size

Analysis settings cont.

Locus	Noise threshold	CWD sorting applied
HLA-A	15	Yes
HLA-B	15	Yes
HLA-C	15	Yes
DRB1	10	Yes
DQB1	10	Yes
DPB1	10	Yes

Sample: pbaa_12878-HG001_passed_cluster_sequences

Full typing result

	Allele 1	Allele 2	CWD 1	CWD 2	Review status
HLA-A	01:01:01:01	11:01:01:01	C	C	Not reviewed
HLA-B	08:01:01:01	56:01:01:03	C	No	Not reviewed
HLA-C	01:02:01:01	07:01:01:01	C	C	Not reviewed
DRB1	01:01:01:01	03:01:01:01	C	C	Not reviewed
DQB1	02:01:01	05:01:01:02	C	No	Not reviewed
DPB1	04:01:01:01	14:01:01:01	C	C	Not reviewed

Genotype ambiguities

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
				A*01:01:01:01 : A*01:01:01:25	No
				A*11:01:01:01 : A*11:01:01:13	No
				B*08:01:01:01 : B*08:01:01:16	No
				B*56:01:01:03 : B*56:01:01:04	No
				C*01:02:01:01 : C*01:02:01:05	No
				C*07:01:01:01 : C*07:01:01:15 : C*07:01:01:16 : C*07:01:01:69	No No No
DRB1*01:01:01:01 : DRB1*01:100	No	DRB1*01:01:01:01 : DRB1*01:01:32 : DRB1*01:01:33	No No	DRB1*01:01:01:01 : DRB1*01:01:01:02	No
DRB1*03:01:01:01 : DRB1*03:147	No			DRB1*03:01:01:01 : DRB1*03:01:01:02 : DRB1*03:01:01:03	No No
DQB1*02:01:01 : DQB1*02:109 : DQB1*02:148 : DQB1*02:163N	No No No			DQB1*05:01:01:02 : DQB1*05:01:01:03	No
				DPB1*04:01:01:01 : DPB1*04:01:01:02 : DPB1*04:01:01:04 : DPB1*04:01:01:05 : DPB1*04:01:01:06 : DPB1*04:01:01:14 <i>and 10 more</i>	No No No No No
				DPB1*14:01:01:01 : DPB1*14:01:01:02	No

Libraries used

IMGT 3.38.0

Source files

- pbaa_12878-HG001_passed_cluster_sequences.fasta

Sample: pbaa_12878-HG001_passed_cluster_sequences

Locus: HLA-A

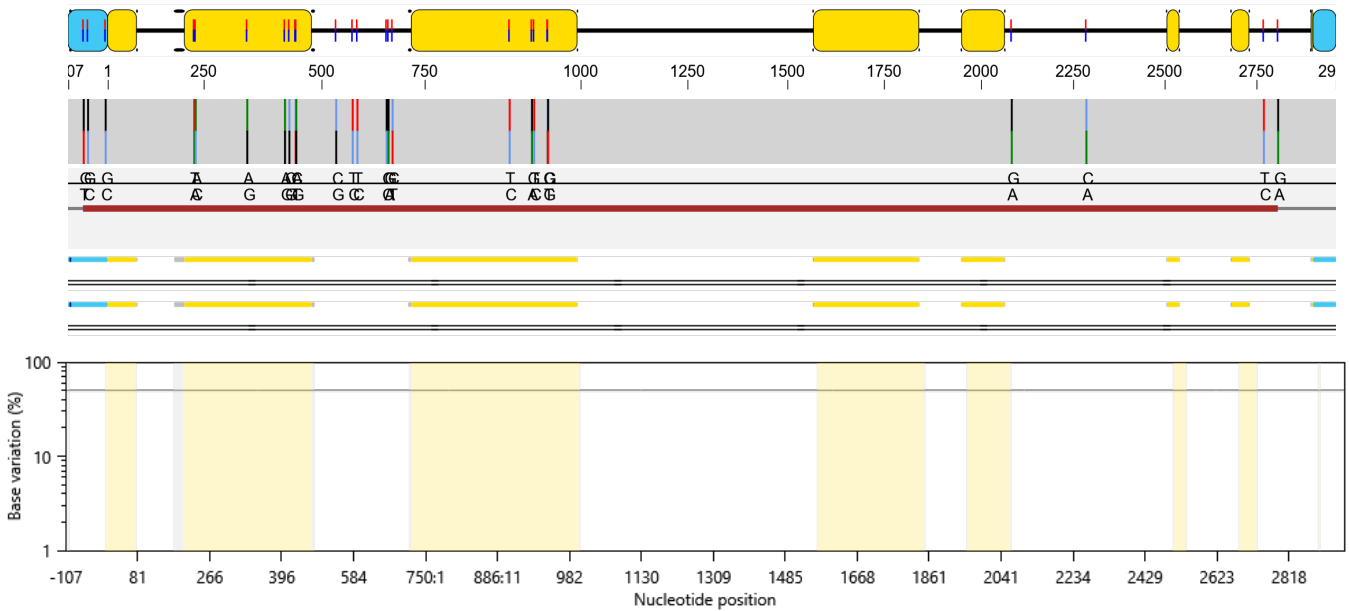
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
A*01:01:01:01	A*11:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
A*01:01:01:01 : A*01:01:01:25	No
A*11:01:01:01 : A*11:01:01:13	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_12878-HG001_passed_cluster_sequences

Locus: HLA-B

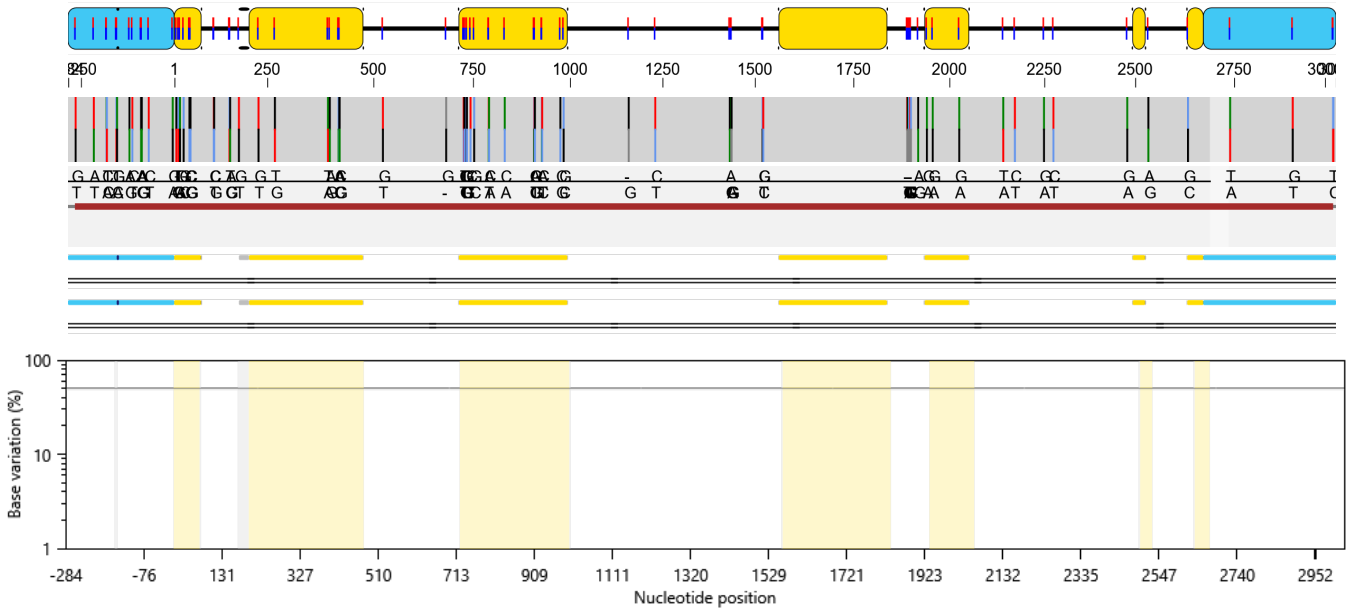
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
B*08:01:01:01	B*56:01:01:03	C	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
B*08:01:01:01	No
: B*08:01:01:16	No
B*56:01:01:03	No
: B*56:01:01:04	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_12878-HG001_passed_cluster_sequences

Locus: HLA-C

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
C*01:02:01:01	C*07:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

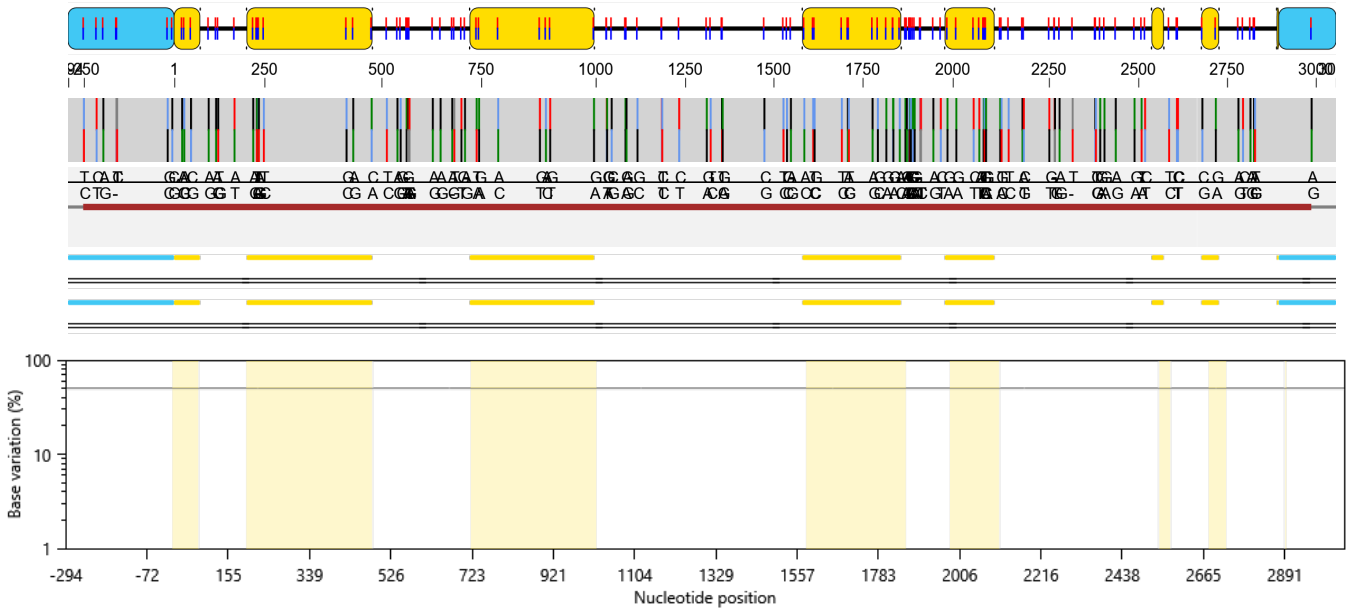
Allele ambiguities

4th field CWD

C*01:02:01:01
: C*01:02:01:05 No

C*07:01:01:01
: C*07:01:01:15 No
: C*07:01:01:16 No
: C*07:01:01:69 No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_12878-HG001_passed_cluster_sequences

Locus: DRB1

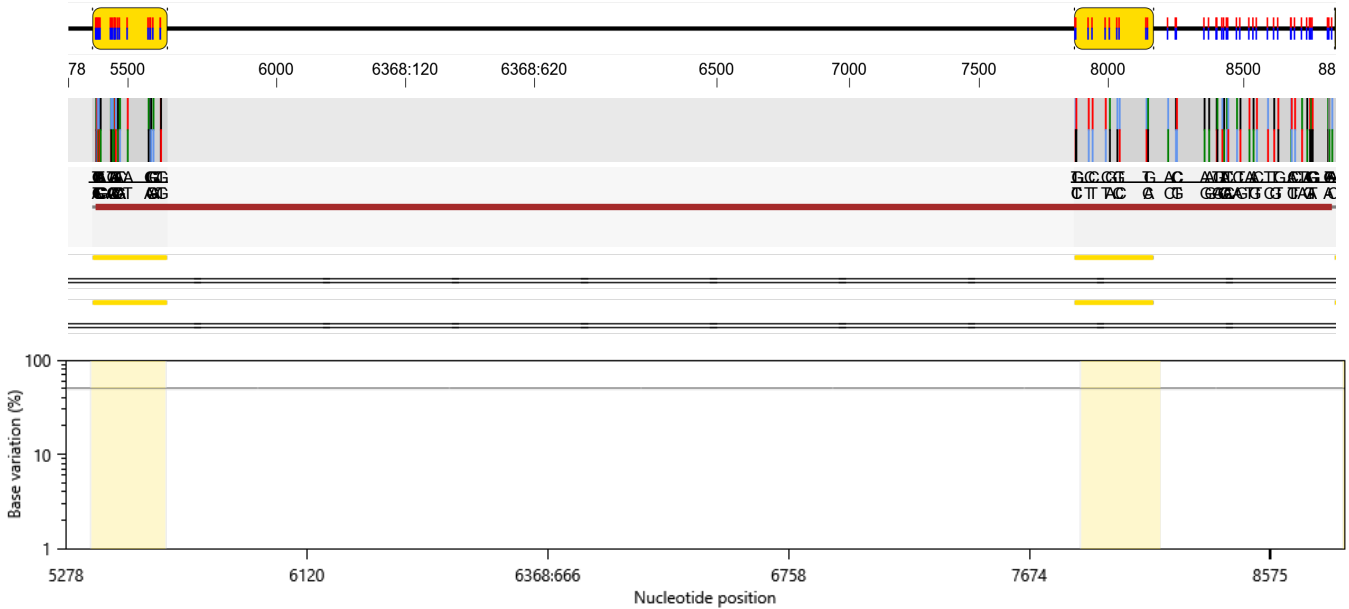
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DRB1*01:01:01:01	DRB1*03:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
DRB1*01:01:01:01 : DRB1*01:100	No	DRB1*01:01:01:01 : DRB1*01:01:32 : DRB1*01:01:33	No No	DRB1*01:01:01:01 : DRB1*01:01:01:02	No
DRB1*03:01:01:01 : DRB1*03:147	No			DRB1*03:01:01:01 : DRB1*03:01:01:02 : DRB1*03:01:01:03	No No

Visualization



Analysis

Date: 23 October 2020
 Library: IMGT 3.38.0
 Software: NGSengine 2.18.0.17625

Sample: pbaa_12878-HG001_passed_cluster_sequences

Locus: DQB1

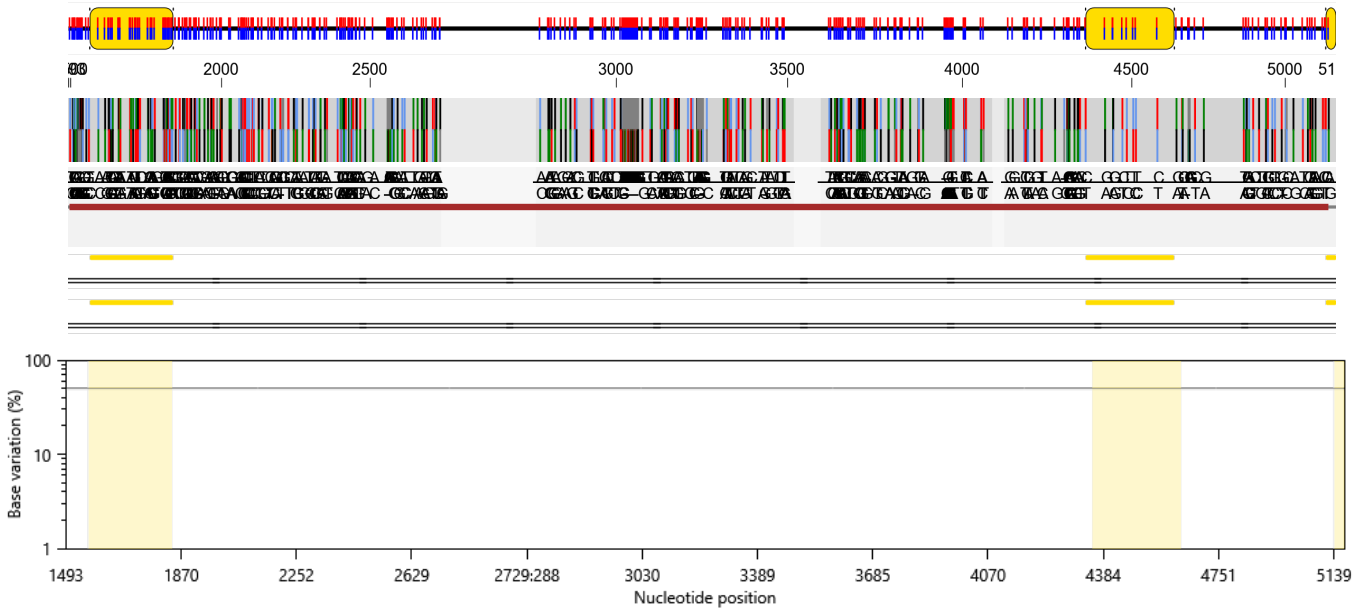
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DQB1*02:01:01	DQB1*05:01:01:02	C	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	4th field	CWD
DQB1*02:01:01	No		
: DQB1*02:109	No		
: DQB1*02:148	No		
: DQB1*02:163N	No		
		DQB1*05:01:01:02	
		: DQB1*05:01:01:03	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_12878-HG001_passed_cluster_sequences

Locus: DPB1

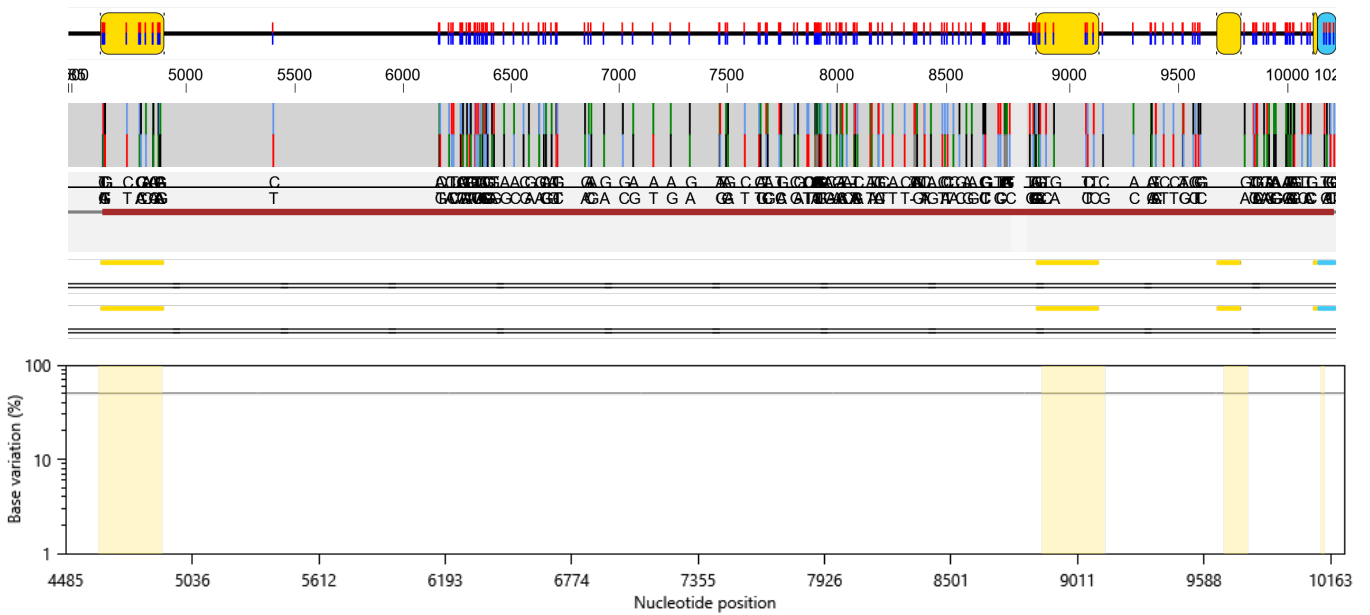
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DPB1*04:01:01:01	DPB1*14:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
DPB1*04:01:01:01	No
: DPB1*04:01:01:02	No
: DPB1*04:01:01:04	No
: DPB1*04:01:01:05	No
: DPB1*04:01:01:06	No
: DPB1*04:01:01:14	No
and 10 more	
DPB1*14:01:01:01	No
: DPB1*14:01:01:02	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample details

Reads

Total number of reads: 12
Mappability: 12 of 12 reads used
Software: NGSengine 2.18.0.17625

Locus	Number of reads	Reads Perc.
HLA-A	2	16.7 %
HLA-B	2	16.7 %
HLA-C	2	16.7 %
DRB1	2	16.7 %
DQB1	2	16.7 %
DPB1	2	16.7 %

Analysis settings

Locus	Amplicon	Analysis Region	Ignore Regions	Phasing algorithm	Read depth threshold	Allele ratio threshold	Quality trimming
HLA-A	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-B	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-C	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
DRB1	NGSgo-MX6-1	Amplicon	Default	Classic	20	15	Disabled
DQB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	15	Disabled
DPB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled

Quality trimming numbers: Absolute threshold, Relative threshold, Window size

Analysis settings cont.

Locus	Noise threshold	CWD sorting applied
HLA-A	15	Yes
HLA-B	15	Yes
HLA-C	15	Yes
DRB1	10	Yes
DQB1	10	Yes
DPB1	10	Yes

Sample: pbaa_24143-HG004_passed_cluster_sequences

Full typing result

	Allele 1	Allele 2	CWD 1	CWD 2	Review status
HLA-A	01:01:01:01	33:01:01:01	C	C	Not reviewed
HLA-B	14:02:01:01	35:08:01:01	C	C	Not reviewed
HLA-C	04:01:01:06	08:02:01:01	No	C	Not reviewed
DRB1	04:04:01	10:01:01:01	C	C	Not reviewed
DQB1	04:02:01:06	05:01:01:05	No	No	Not reviewed
DPB1	04:01:01:01	04:01:01:01	C	C	Not reviewed

Genotype ambiguities

Allele ambiguities

3rd field	CWD	4th field	CWD
		A*01:01:01:01 : A*01:01:01:25	No
		C*08:02:01:01 : C*08:02:01:05	No
DRB1*10:01:01:01 : DRB1*10:01:12	No	DRB1*10:01:01:01 : DRB1*10:01:01:02 : DRB1*10:01:01:03	No No
DQB1*04:02:01:06 : DQB1*04:02:13	No	DQB1*04:02:01:06 : DQB1*04:02:01:08	No
		DPB1*04:01:01:01 : DPB1*04:01:01:02 : DPB1*04:01:01:04 : DPB1*04:01:01:05 : DPB1*04:01:01:06 : DPB1*04:01:01:14 <i>and 10 more</i>	No No No No No
		DPB1*04:01:01:01 : DPB1*04:01:01:02 : DPB1*04:01:01:04 : DPB1*04:01:01:05 : DPB1*04:01:01:06 : DPB1*04:01:01:14 <i>and 10 more</i>	No No No No No

Libraries used

IMGT 3.38.0

Source files

- pbaa_24143-HG004_passed_cluster_sequences.fasta

Sample: pbaa_24143-HG004_passed_cluster_sequences

Locus: HLA-A

Full typing result

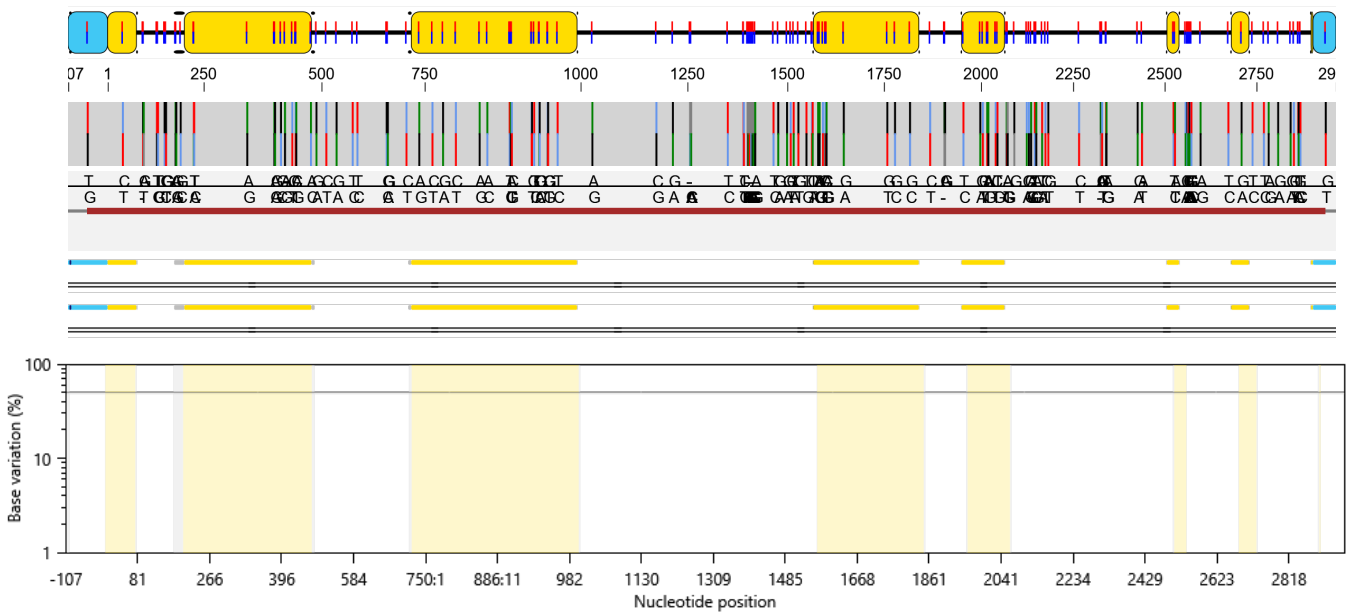
Allele 1	Allele 2	CWD 1	CWD 2	Review status
A*01:01:01:01	A*33:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field CWD

A*01:01:01:01
: A*01:01:01:25 No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

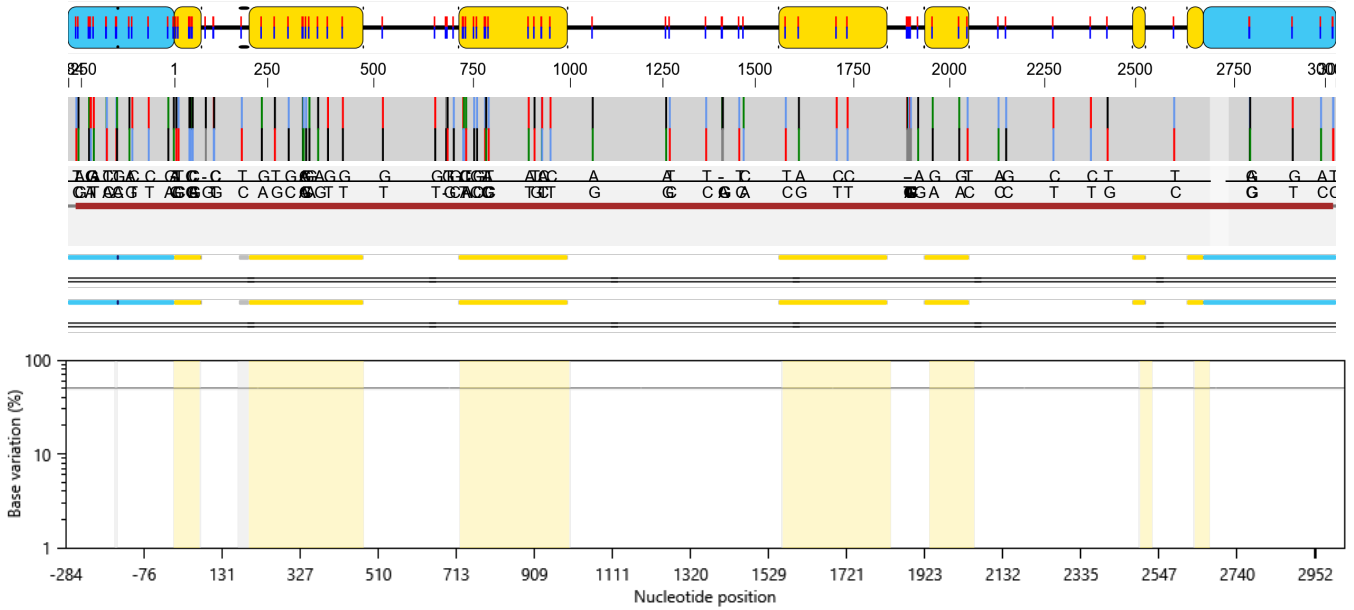
Sample: pbaa_24143-HG004_passed_cluster_sequences

Locus: HLA-B

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
B*14:02:01:01	B*35:08:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Visualization



Analysis

Date: 23 October 2020
 Library: IMGT 3.38.0
 Software: NGSengine 2.18.0.17625

Sample: pbaa_24143-HG004_passed_cluster_sequences

Locus: HLA-C

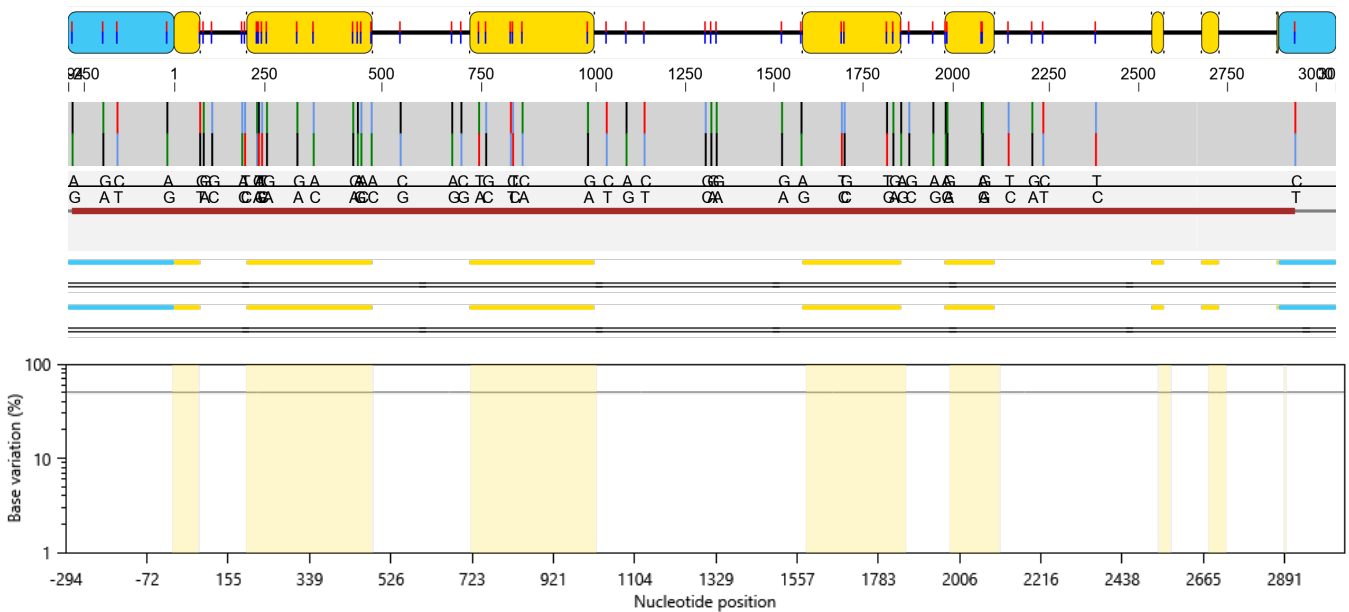
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
C*04:01:01:06	C*08:02:01:01	No	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
C*08:02:01:01	
: C*08:02:01:05	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24143-HG004_passed_cluster_sequences

Locus: DRB1

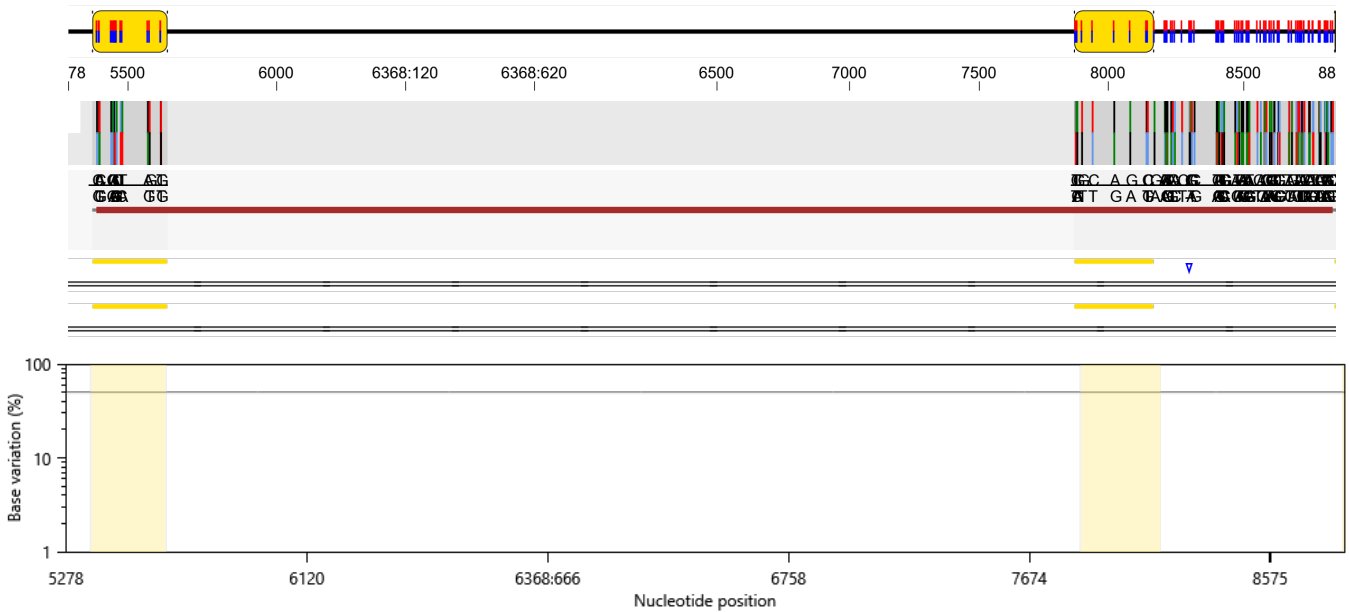
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DRB1*04:04:01	DRB1*10:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 1	Intron mm: 0			

Allele ambiguities

3rd field	CWD	4th field	CWD
DRB1*10:01:01:01 : DRB1*10:01:12	No	DRB1*10:01:01:01 : DRB1*10:01:01:02 : DRB1*10:01:01:03	No No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24143-HG004_passed_cluster_sequences

Locus: DQB1

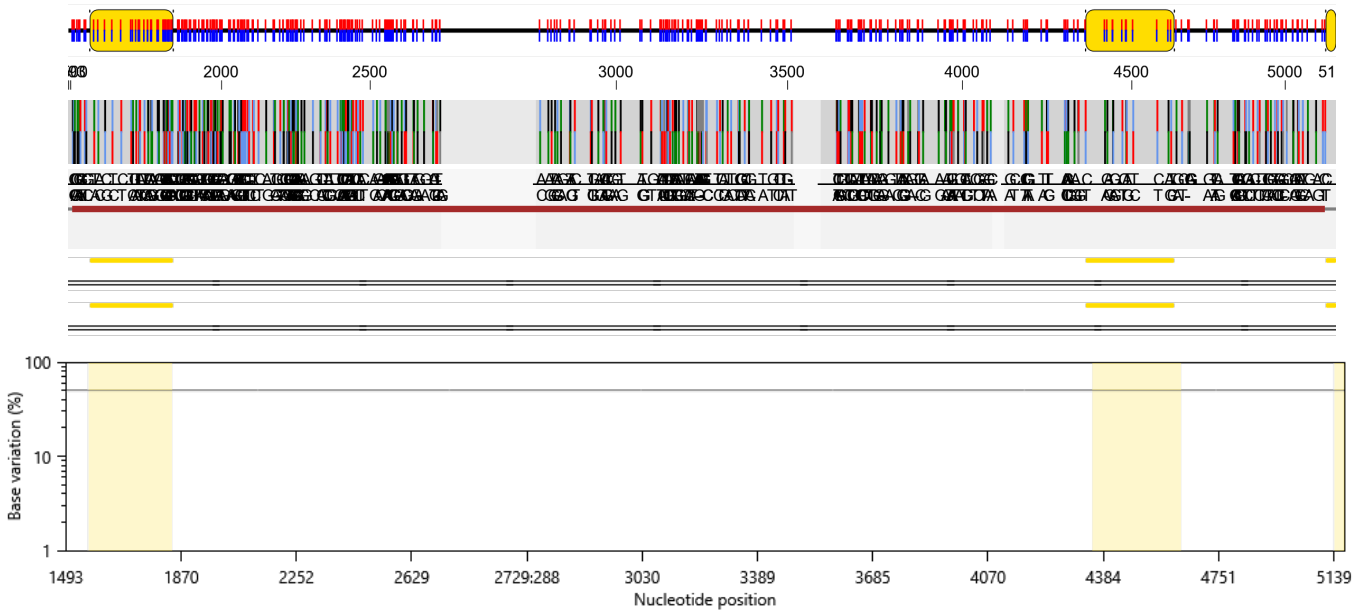
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DQB1*04:02:01:06	DQB1*05:01:01:05	No	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

3rd field	CWD	4th field	CWD
DQB1*04:02:01:06 : DQB1*04:02:13	No	DQB1*04:02:01:06 : DQB1*04:02:01:08	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24143-HG004_passed_cluster_sequences

Locus: DPB1

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DPB1*04:01:01:01	DPB1*04:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

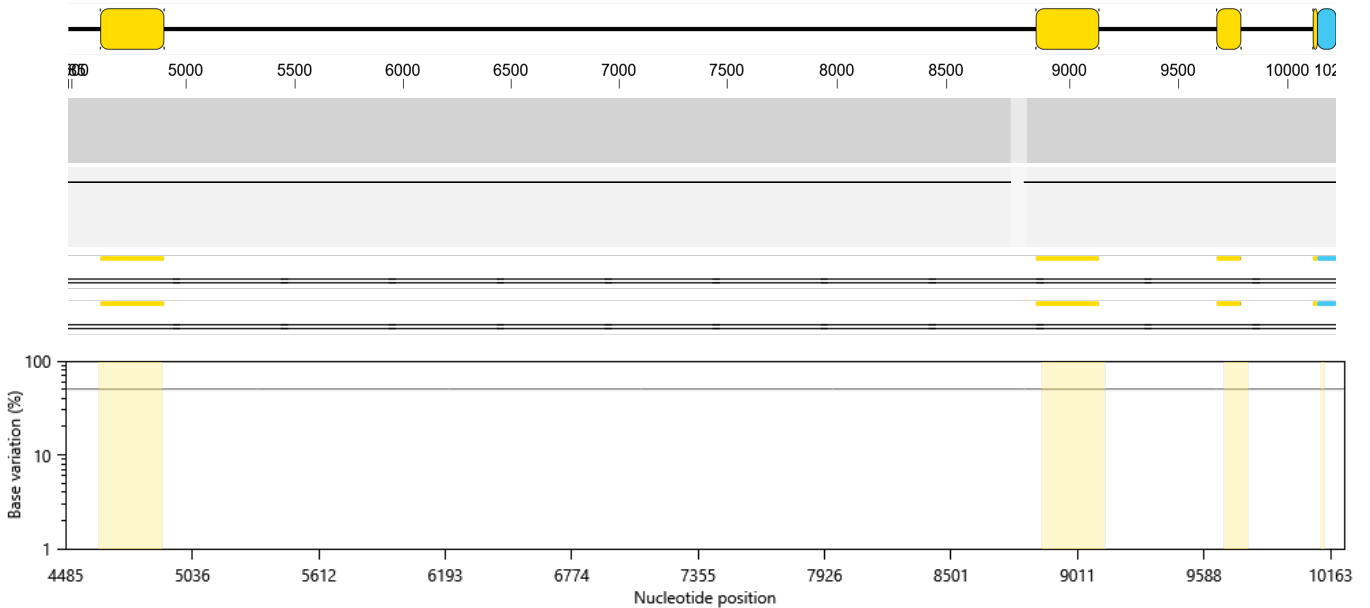
Allele ambiguities

4th field CWD

DPB1*04:01:01:01
: DPB1*04:01:01:02 No
: DPB1*04:01:01:04 No
: DPB1*04:01:01:05 No
: DPB1*04:01:01:06 No
: DPB1*04:01:01:14 No
and 10 more

DPB1*04:01:01:01
: DPB1*04:01:01:02 No
: DPB1*04:01:01:04 No
: DPB1*04:01:01:05 No
: DPB1*04:01:01:06 No
: DPB1*04:01:01:14 No
and 10 more

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample details

Reads

Total number of reads: 11
Mappability: 11 of 11 reads used
Software: NGSengine 2.18.0.17625

Locus	Number of reads	Reads Perc.
HLA-A	2	18.2 %
HLA-B	2	18.2 %
HLA-C	2	18.2 %
DRB1	2	18.2 %
DQB1	2	18.2 %
DPB1	1	9.1 %

Analysis settings

Locus	Amplicon	Analysis Region	Ignore Regions	Phasing algorithm	Read depth threshold	Allele ratio threshold	Quality trimming
HLA-A	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-B	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-C	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
DRB1	NGSgo-MX6-1	Amplicon	Default	Classic	20	15	Disabled
DQB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	15	Disabled
DPB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled

Quality trimming numbers: Absolute threshold, Relative threshold, Window size

Analysis settings cont.

Locus	Noise threshold	CWD sorting applied
HLA-A	15	Yes
HLA-B	15	Yes
HLA-C	15	Yes
DRB1	10	Yes
DQB1	10	Yes
DPB1	10	Yes

Sample: pbaa_24149-HG003_passed_cluster_sequences

Full typing result

	Allele 1	Allele 2	CWD 1	CWD 2	Review status
HLA-A	26:01:01:01	30:01:01:01	C	C	Not reviewed
HLA-B	13:02:01:01	38:01:01:01	C	C	Not reviewed
HLA-C	06:02:01:01	12:03:01:01	C	C	Not reviewed
DRB1	04:02:01	07:01:01:01	C	C	Not reviewed
DQB1	02:02:01:01	03:02:01:01	C	C	Not reviewed
DPB1	04:01:01:03	04:02:01:02	No	No	Not reviewed

Genotype ambiguities

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
DRB1*07:01:01:01 : DRB1*07:79 : DRB1*07:93	No No			DRB1*07:01:01:01 : DRB1*07:01:01:02 : DRB1*07:01:01:03 : DRB1*07:01:01:04	No No No
DQB1*02:02:01:01 : DQB1*02:156	No	DQB1*02:02:01:01 : DQB1*02:02:09	No	DQB1*02:02:01:01 : DQB1*02:02:01:04	No
DQB1*03:02:01:01 : DQB1*03:289	No	DQB1*03:02:01:01 : DQB1*03:02:26	No	DQB1*03:02:01:01 : DQB1*03:02:01:02 : DQB1*03:02:01:08 DPB1*04:01:01:03 : DPB1*04:01:01:13 : DPB1*04:01:01:18 DPB1*04:02:01:02 : DPB1*04:02:01:05 : DPB1*04:02:01:10	No No No No No No

Libraries used

IMGT 3.38.0

Source files

- pbaa_24149-HG003_passed_cluster_sequences.fasta

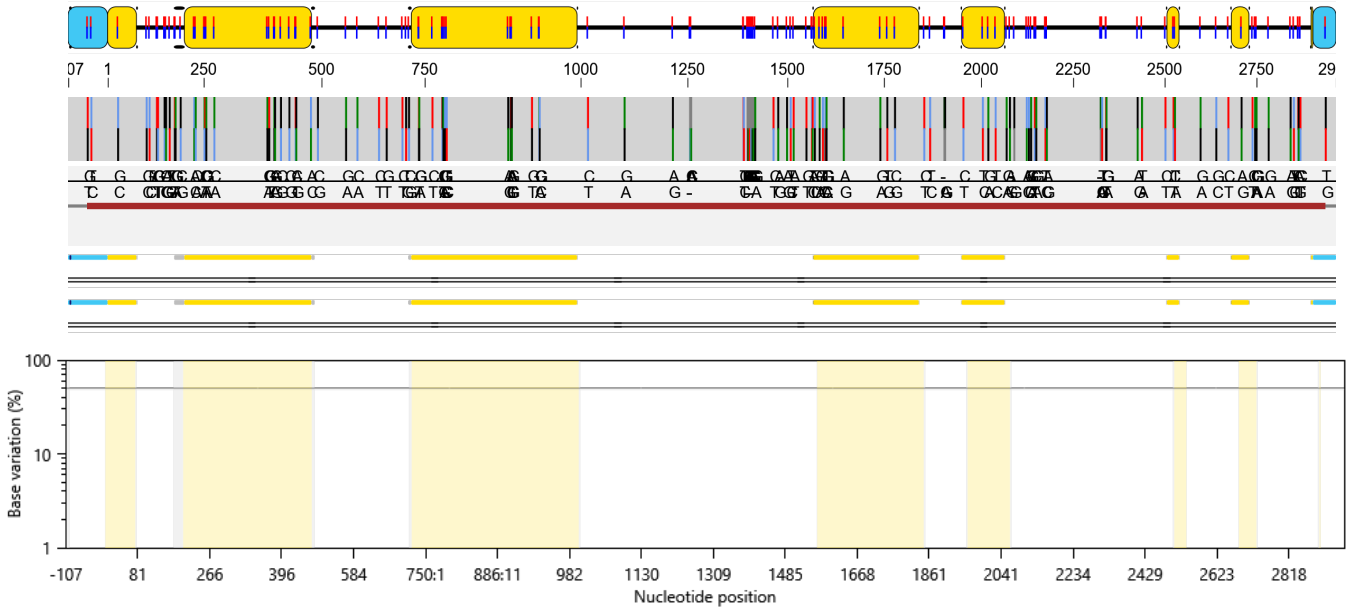
Sample: pbaa_24149-HG003_passed_cluster_sequences

Locus: HLA-A

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
A*26:01:01:01	A*30:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

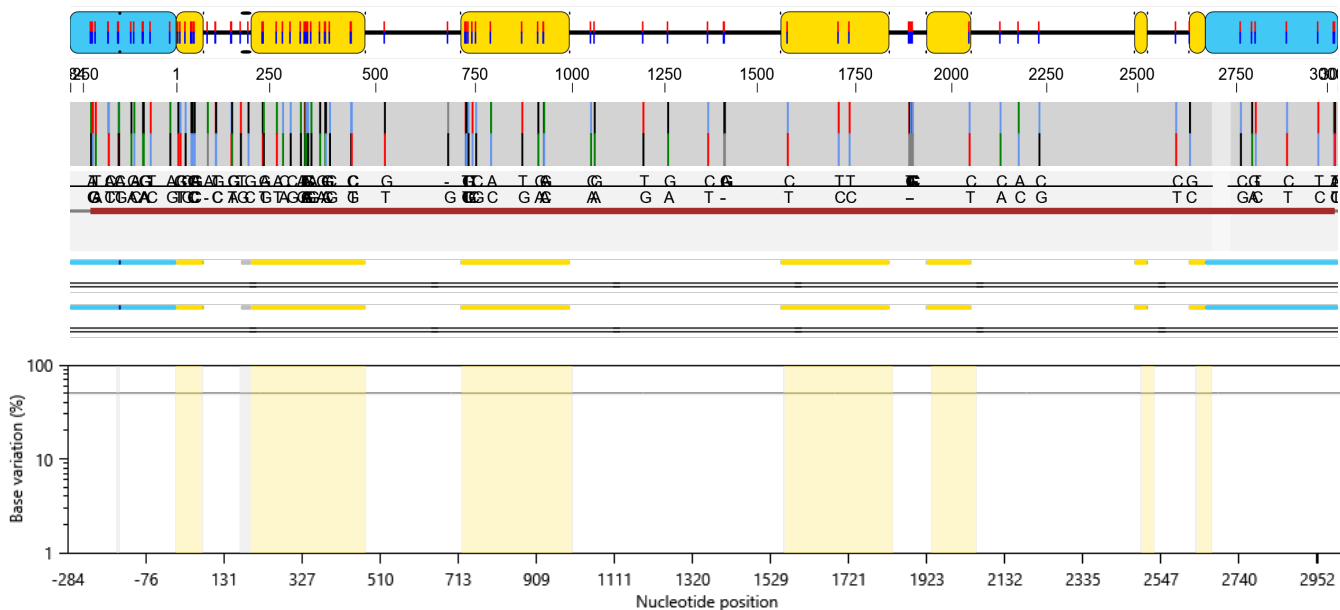
Sample: pbaa_24149-HG003_passed_cluster_sequences

Locus: HLA-B

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
B*13:02:01:01	B*38:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Visualization



Analysis

Date: 23 October 2020
 Library: IMGT 3.38.0
 Software: NGSengine 2.18.0.17625

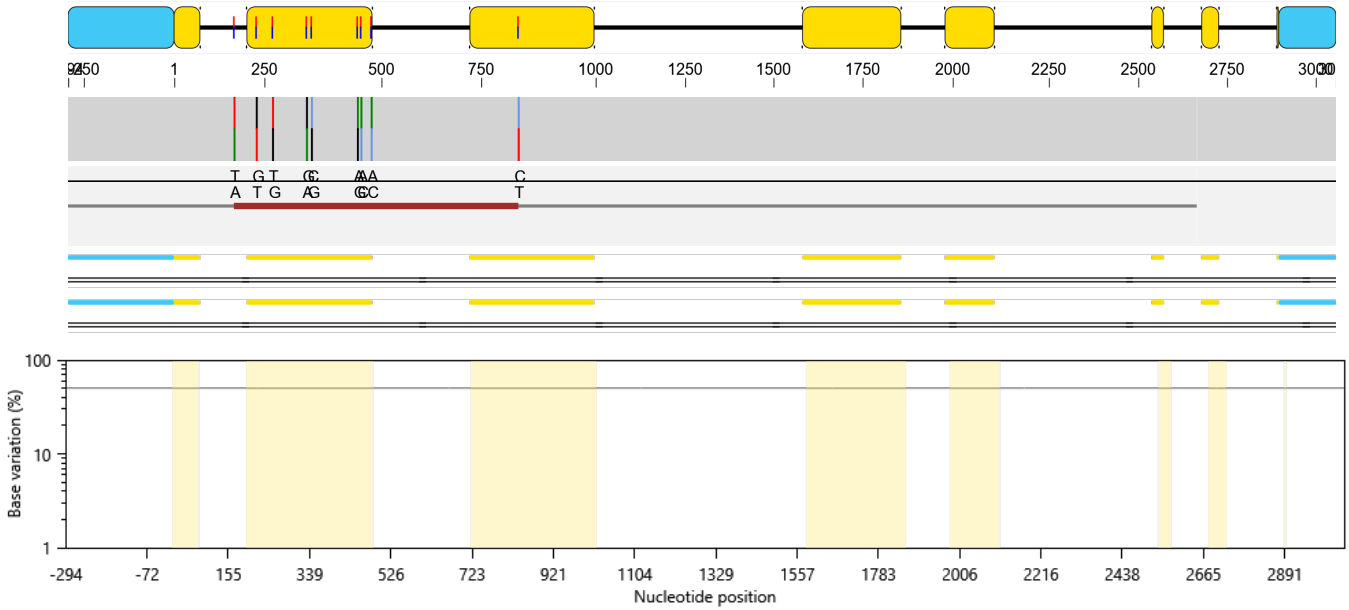
Sample: pbaa_24149-HG003_passed_cluster_sequences

Locus: HLA-C

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
C*06:02:01:01	C*12:03:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24149-HG003_passed_cluster_sequences

Locus: DRB1

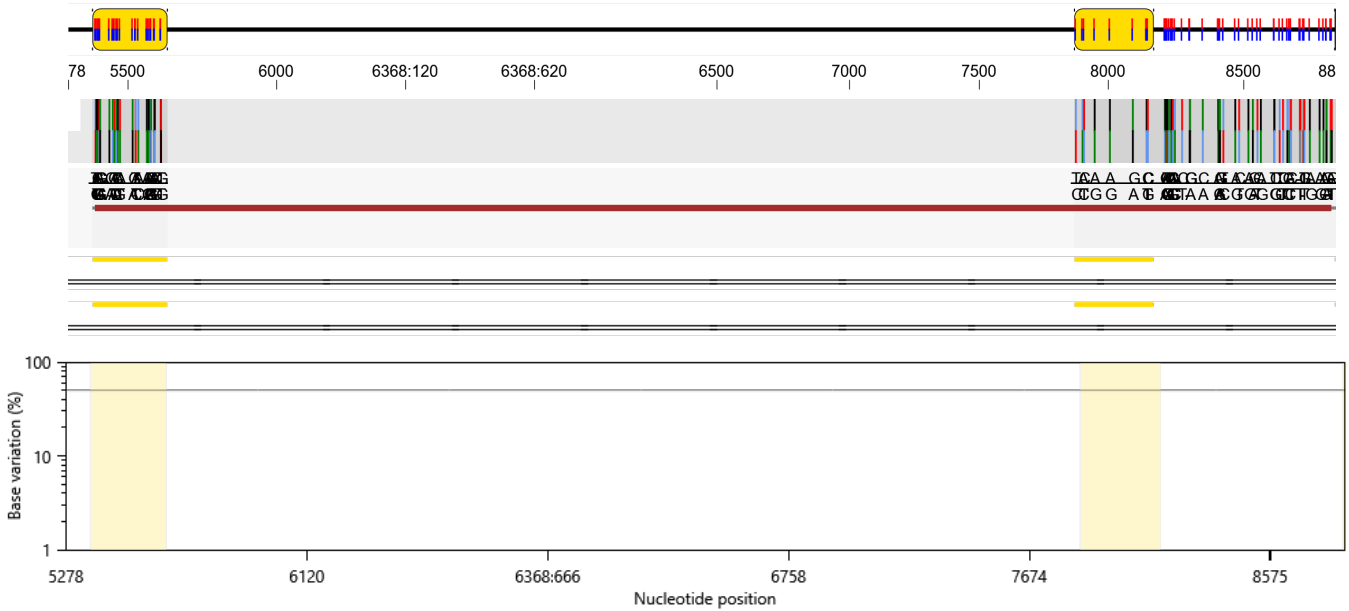
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DRB1*04:02:01	DRB1*07:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	4th field	CWD
DRB1*07:01:01:01		DRB1*07:01:01:01	
: DRB1*07:79	No	: DRB1*07:01:01:02	No
: DRB1*07:93	No	: DRB1*07:01:01:03	No
		: DRB1*07:01:01:04	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24149-HG003_passed_cluster_sequences

Locus: DQB1

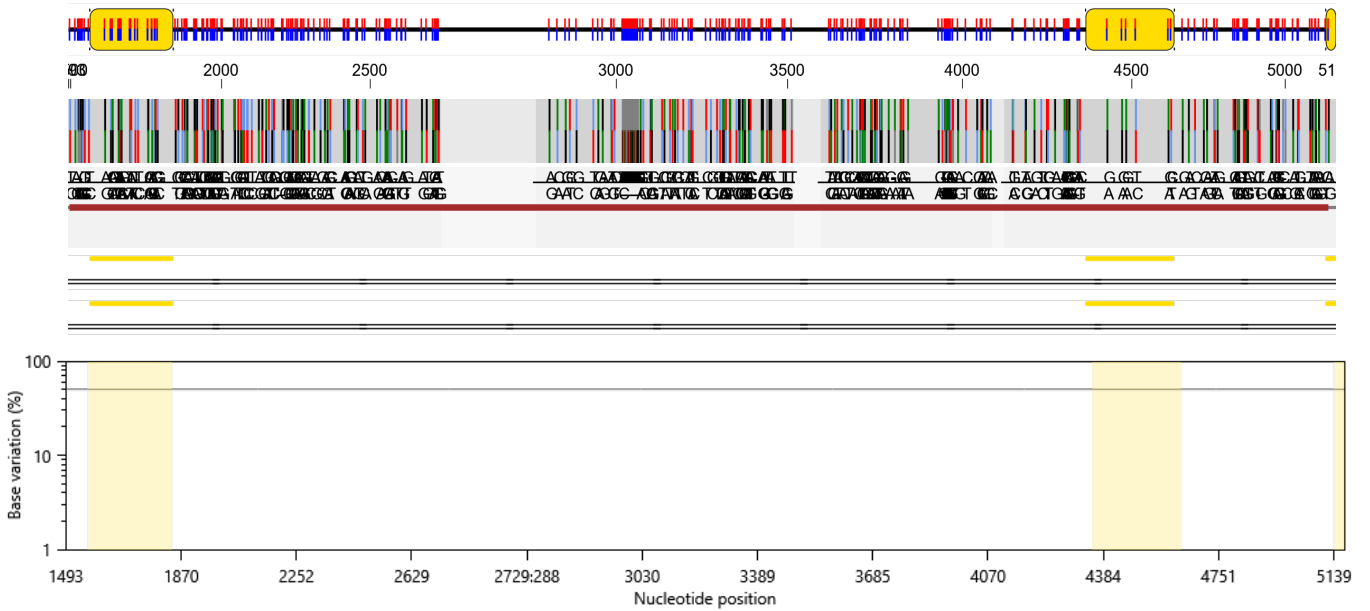
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DQB1*02:02:01:01	DQB1*03:02:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
DQB1*02:02:01:01 : DQB1*02:156	No	DQB1*02:02:01:01 : DQB1*02:02:09	No	DQB1*02:02:01:01 : DQB1*02:02:01:04	No
DQB1*03:02:01:01 : DQB1*03:289	No	DQB1*03:02:01:01 : DQB1*03:02:26	No	DQB1*03:02:01:01 : DQB1*03:02:01:02 : DQB1*03:02:01:08	No

Visualization



Analysis

Date: 23 October 2020
 Library: IMGT 3.38.0
 Software: NGSengine 2.18.0.17625

Sample: pbaa_24149-HG003_passed_cluster_sequences

Locus: DPB1

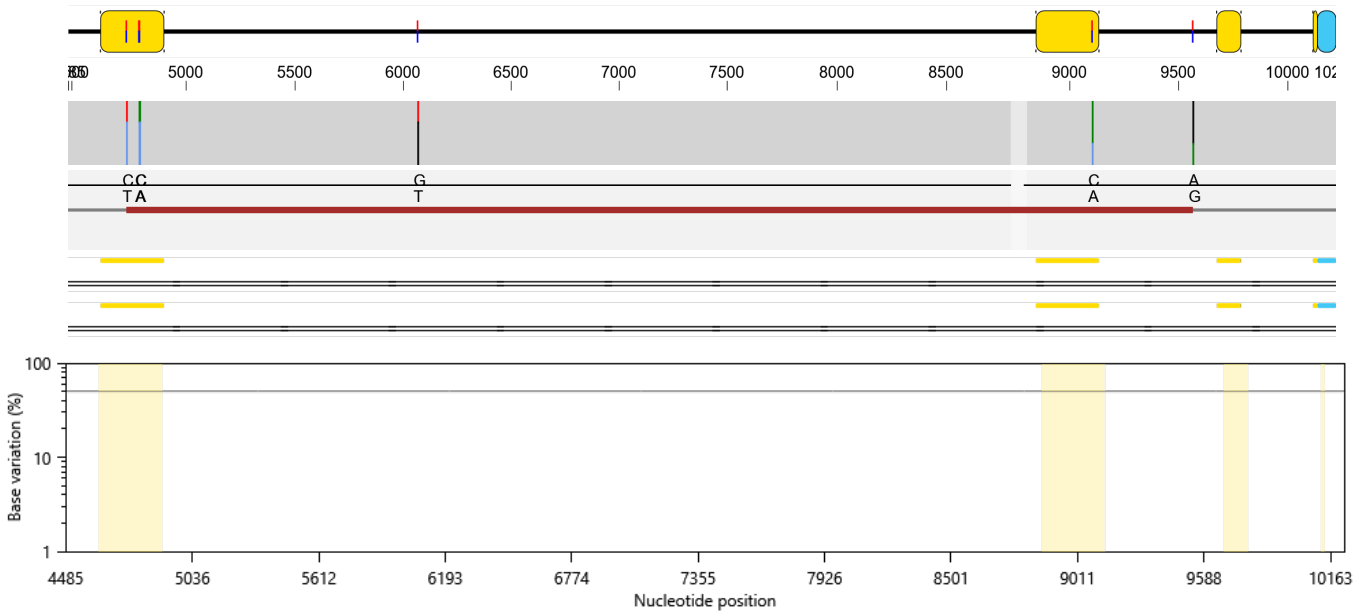
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DPB1*04:01:01:03	DPB1*04:02:01:02	No	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
DPB1*04:01:01:03	
: DPB1*04:01:01:13	No
: DPB1*04:01:01:18	No
DPB1*04:02:01:02	
: DPB1*04:02:01:05	No
: DPB1*04:02:01:10	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample details

Reads

Total number of reads: 13
Mappability: 13 of 13 reads used
Software: NGSengine 2.18.0.17625

Locus	Number of reads	Reads Perc.
HLA-A	2	15.4 %
HLA-B	2	15.4 %
HLA-C	2	15.4 %
DRB1	2	15.4 %
DQB1	2	15.4 %
DPB1	3	23.1 %

Analysis settings

Locus	Amplicon	Analysis Region	Ignore Regions	Phasing algorithm	Read depth threshold	Allele ratio threshold	Quality trimming
HLA-A	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-B	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-C	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
DRB1	NGSgo-MX6-1	Amplicon	Default	Classic	20	15	Disabled
DQB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	15	Disabled
DPB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled

Quality trimming numbers: Absolute threshold, Relative threshold, Window size

Analysis settings cont.

Locus	Noise threshold	CWD sorting applied
HLA-A	15	Yes
HLA-B	15	Yes
HLA-C	15	Yes
DRB1	10	Yes
DQB1	10	Yes
DPB1	10	Yes

Sample: pbaa_24385-HG002_passed_cluster_sequences

Full typing result

	Allele 1	Allele 2	CWD 1	CWD 2	Review status
HLA-A	01:01:01:01	26:01:01:01	C	C	Not reviewed
HLA-B	35:08:01:01	38:01:01:01	C	C	Not reviewed
HLA-C	04:01:01:06	12:03:01:01	No	C	Not reviewed
DRB1	04:02:01	10:01:01:01	C	C	Not reviewed
DQB1	03:02:01:01	05:01:01:05	C	No	Not reviewed
DPB1	04:01:01:01	04:01:01:03	C	No	Not reviewed

Genotype ambiguities

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
				A*01:01:01:01 : A*01:01:01:25	No
		DRB1*10:01:01:01 : DRB1*10:01:12	No	DRB1*10:01:01:01 : DRB1*10:01:01:02 : DRB1*10:01:01:03	No No No
DQB1*03:02:01:01 : DQB1*03:289	No	DQB1*03:02:01:01 : DQB1*03:02:26	No	DQB1*03:02:01:01 : DQB1*03:02:01:02 : DQB1*03:02:01:08	No No
				DPB1*04:01:01:01 : DPB1*04:01:01:02 : DPB1*04:01:01:04 : DPB1*04:01:01:05 : DPB1*04:01:01:06 : DPB1*04:01:01:14 <i>and 10 more</i>	No No No No No No
				DPB1*04:01:01:03 : DPB1*04:01:01:13 : DPB1*04:01:01:18	No No

Libraries used

IMGT 3.38.0

Source files

- pbaa_24385-HG002_passed_cluster_sequences.fasta

Sample: pbaa_24385-HG002_passed_cluster_sequences

Locus: HLA-A

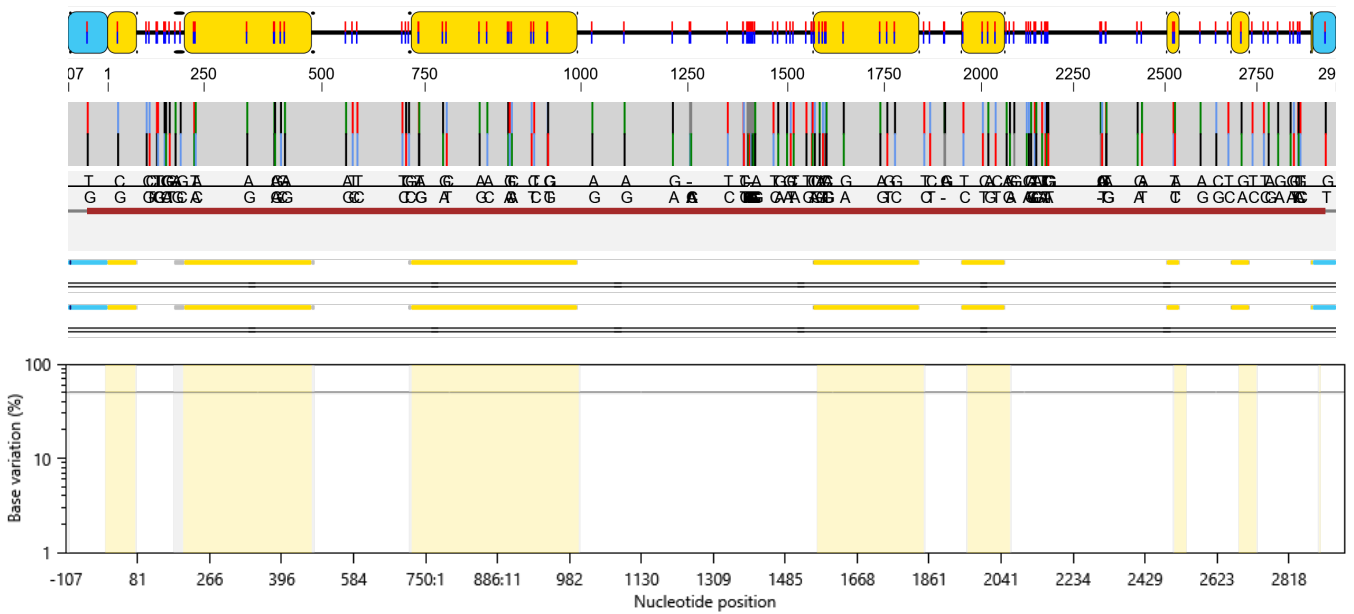
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
A*01:01:01:01	A*26:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
A*01:01:01:01	
: A*01:01:01:25	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

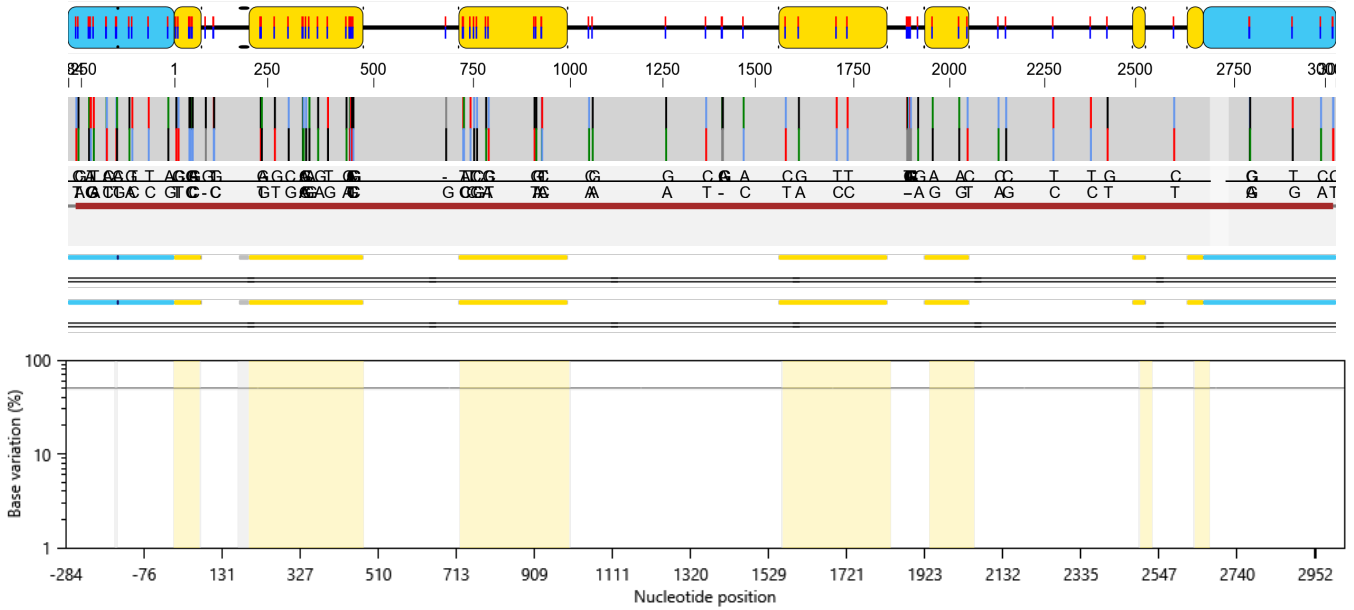
Sample: pbaa_24385-HG002_passed_cluster_sequences

Locus: HLA-B

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
B*35:08:01:01	B*38:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

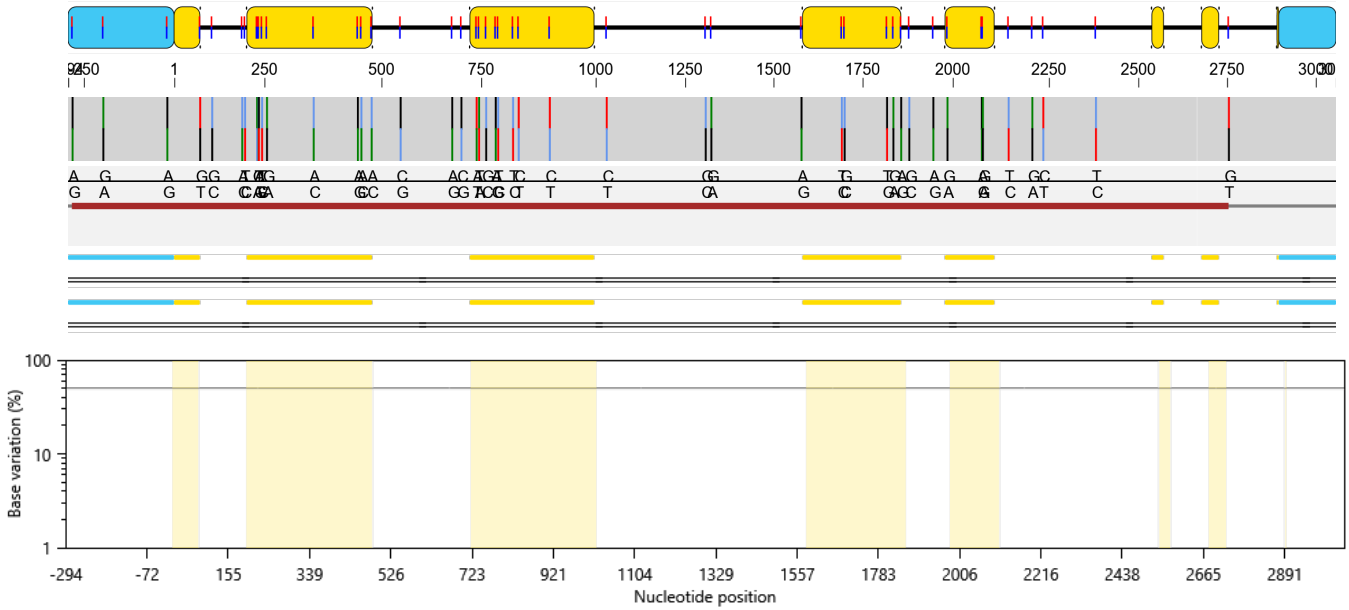
Sample: pbaa_24385-HG002_passed_cluster_sequences

Locus: HLA-C

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
C*04:01:01:06	C*12:03:01:01	No	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24385-HG002_passed_cluster_sequences

Locus: DRB1

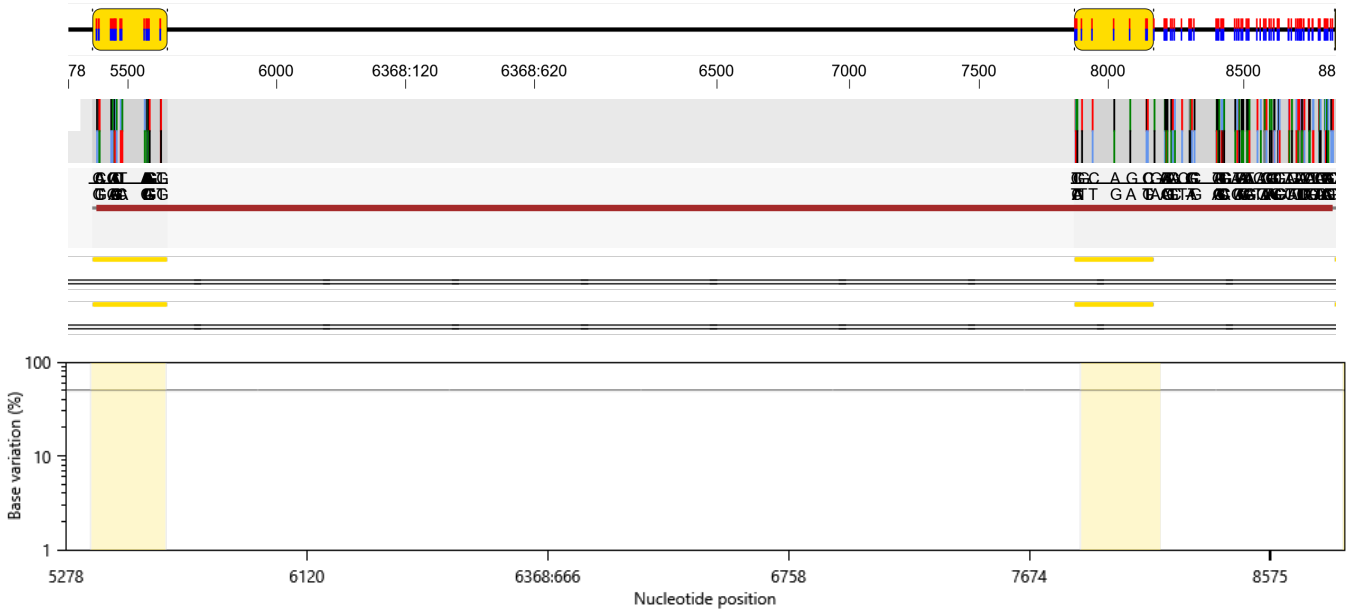
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DRB1*04:02:01	DRB1*10:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

3rd field	CWD	4th field	CWD
DRB1*10:01:01:01 : DRB1*10:01:12	No	DRB1*10:01:01:01 : DRB1*10:01:01:02 : DRB1*10:01:01:03	No No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24385-HG002_passed_cluster_sequences

Locus: DQB1

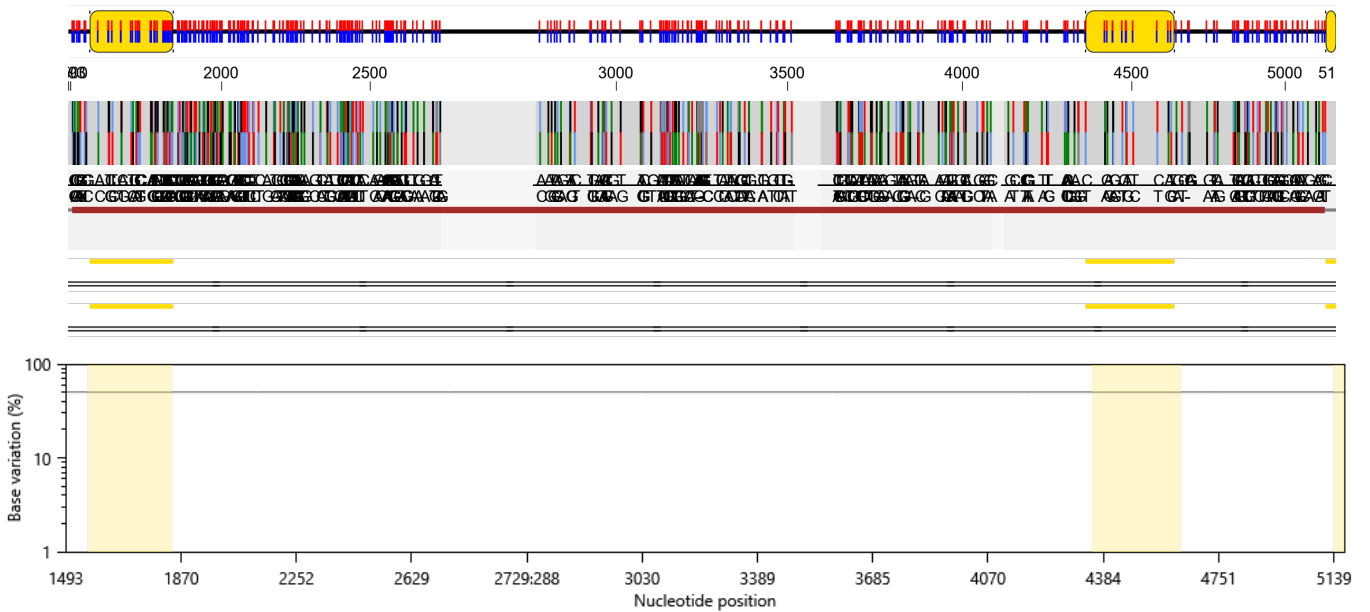
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DQB1*03:02:01:01	DQB1*05:01:01:05	C	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
DQB1*03:02:01:01 : DQB1*03:289	No	DQB1*03:02:01:01 : DQB1*03:02:26	No	DQB1*03:02:01:01 : DQB1*03:02:01:02 : DQB1*03:02:01:08	No No

Visualization



Analysis

Date: 23 October 2020
 Library: IMGT 3.38.0
 Software: NGSengine 2.18.0.17625

Sample: pbaa_24385-HG002_passed_cluster_sequences

Locus: DPB1

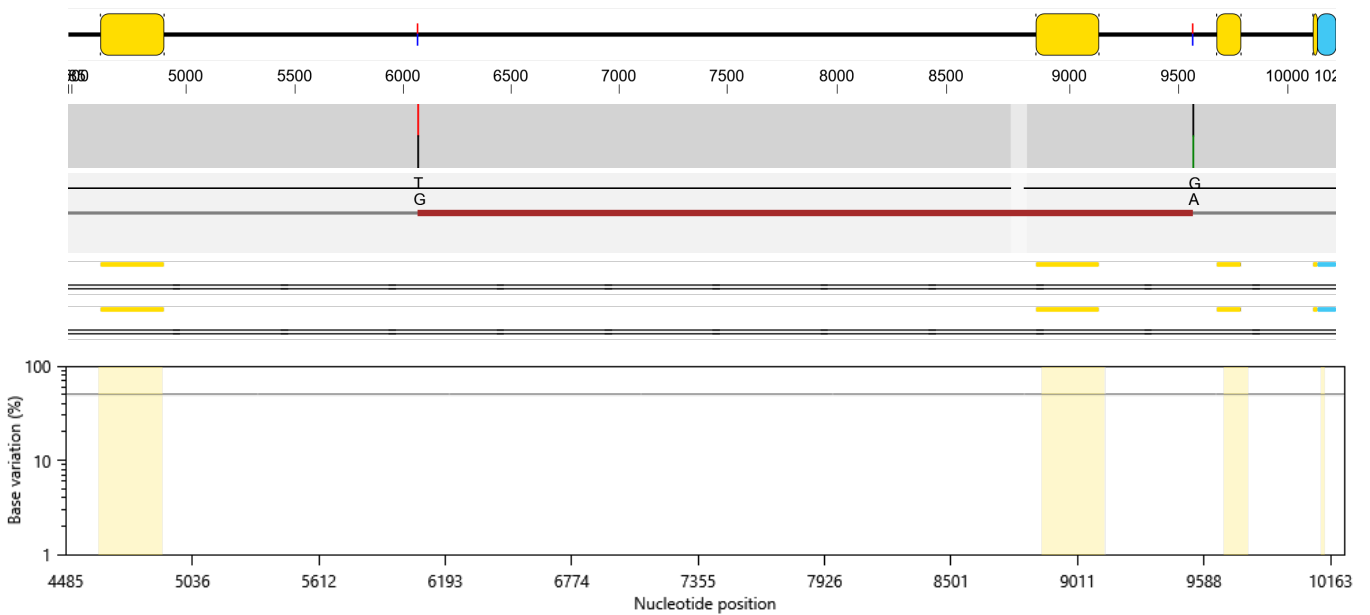
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DPB1*04:01:01:01	DPB1*04:01:01:03	C	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
DPB1*04:01:01:01	
: DPB1*04:01:01:02	No
: DPB1*04:01:01:04	No
: DPB1*04:01:01:05	No
: DPB1*04:01:01:06	No
: DPB1*04:01:01:14	No
and 10 more	
DPB1*04:01:01:03	
: DPB1*04:01:01:13	No
: DPB1*04:01:01:18	No

Visualization



Analysis

Date: 23 October 2020
 Library: IMGT 3.38.0
 Software: NGSengine 2.18.0.17625

Sample details

Reads

Total number of reads: 14
Mappability: 14 of 14 reads used
Software: NGSengine 2.18.0.17625

Locus	Number of reads	Reads Perc.
HLA-A	2	14.3 %
HLA-B	2	14.3 %
HLA-C	2	14.3 %
DRB1	2	14.3 %
DQB1	2	14.3 %
DPB1	4	28.6 %

Analysis settings

Locus	Amplicon	Analysis Region	Ignore Regions	Phasing algorithm	Read depth threshold	Allele ratio threshold	Quality trimming
HLA-A	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-B	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-C	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
DRB1	NGSgo-MX6-1	Amplicon	Default	Classic	20	15	Disabled
DQB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	15	Disabled
DPB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled

Quality trimming numbers: Absolute threshold, Relative threshold, Window size

Analysis settings cont.

Locus	Noise threshold	CWD sorting applied
HLA-A	15	Yes
HLA-B	15	Yes
HLA-C	15	Yes
DRB1	10	Yes
DQB1	10	Yes
DPB1	10	Yes

Sample: pbaa_24631-HG005_passed_cluster_sequences

Full typing result

	Allele 1	Allele 2	CWD 1	CWD 2	Review status
HLA-A	24:02:01:01	24:02:01:01	C	C	Not reviewed
HLA-B	15:01:01:01	40:06:01:01	C	C	Not reviewed
HLA-C	04:01:01:01	08:01:01:01	C	C	Not reviewed
DRB1	04:05:01:01	09:01:02:01	C	C	Not reviewed
DQB1	03:03:02:02	04:01:01:01	No	C	Not reviewed
DPB1	05:01:01:01	135:01	C	No	Not reviewed

Genotype ambiguities

Allele ambiguities

Major fields	CWD	4th field	CWD
		A*24:02:01:01 : A*24:02:01:16	No
		A*24:02:01:01 : A*24:02:01:16	No
		C*04:01:01:01 : C*04:01:01:10 : C*04:01:01:11 : C*04:01:01:14 : C*04:01:01:75 : C*04:01:01:76	No No No No No
		DRB1*04:05:01:01 : DRB1*04:05:01:02 : DRB1*04:05:01:03 : DRB1*04:05:01:04	No No No
DRB1*09:01:02:01 : DRB1*09:21 : DRB1*09:31	No No	DRB1*09:01:02:01 : DRB1*09:01:02:02 : DRB1*09:01:02:03 : DRB1*09:01:02:04	No No No
		DQB1*03:03:02:02 : DQB1*03:03:02:03	No
		DPB1*05:01:01:01 : DPB1*05:01:01:02 : DPB1*05:01:01:05 : DPB1*05:01:01:07 : DPB1*05:01:01:08 : DPB1*05:01:01:09 <i>and 1 more</i>	No No No No No

Libraries used

IMGT 3.38.0

Source files

- pbaa_24631-HG005_passed_cluster_sequences.fasta

Sample: pbaa_24631-HG005_passed_cluster_sequences

Locus: HLA-A

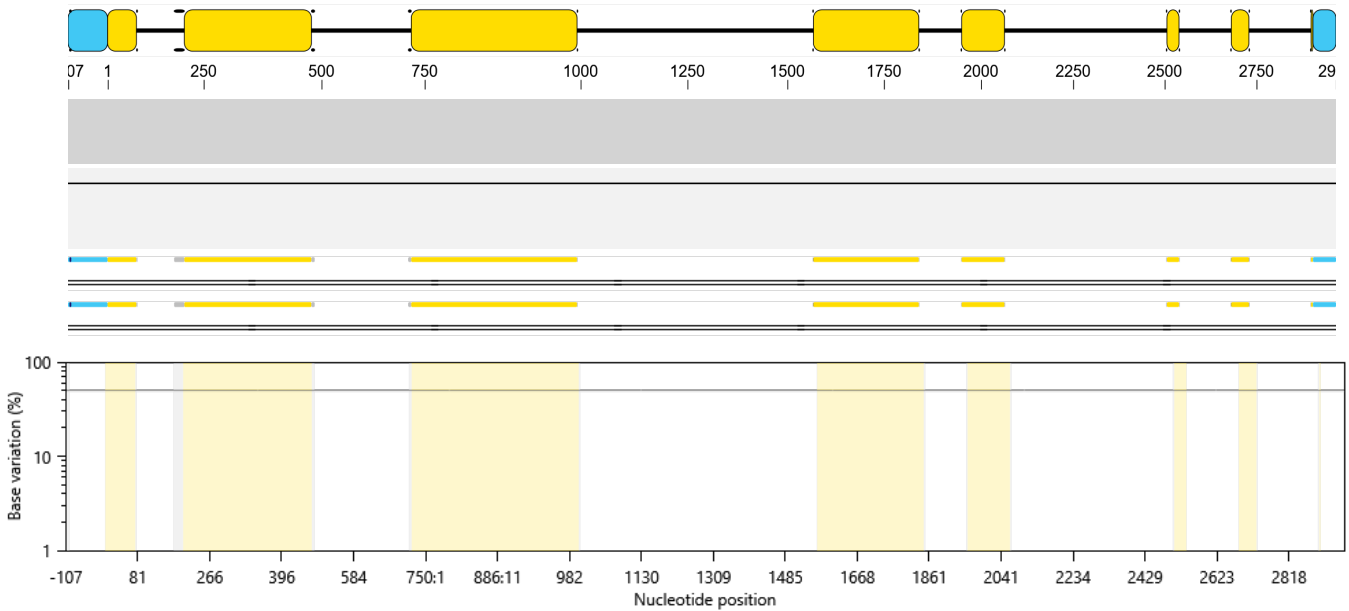
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
A*24:02:01:01	A*24:02:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
A*24:02:01:01 : A*24:02:01:16	No
A*24:02:01:01 : A*24:02:01:16	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

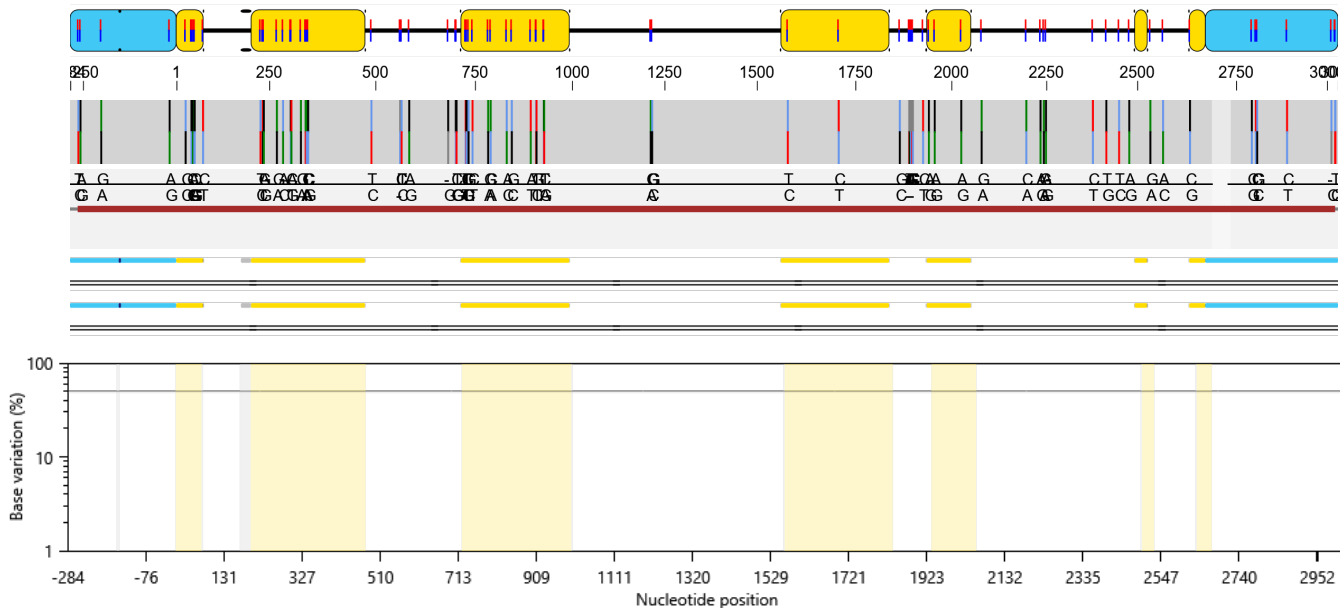
Sample: pbaa_24631-HG005_passed_cluster_sequences

Locus: HLA-B

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
B*15:01:01:01	B*40:06:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24631-HG005_passed_cluster_sequences

Locus: HLA-C

Full typing result

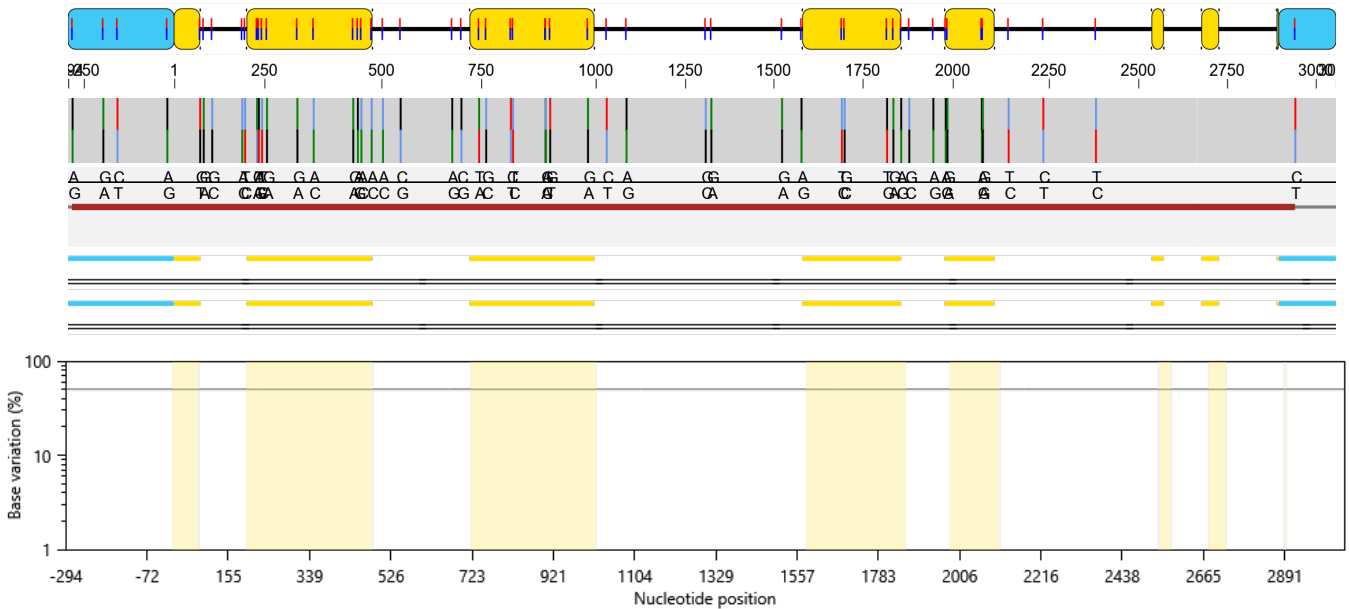
Allele 1	Allele 2	CWD 1	CWD 2	Review status
C*04:01:01:01	C*08:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field CWD

C*04:01:01:01	CWD
: C*04:01:01:10	No
: C*04:01:01:11	No
: C*04:01:01:14	No
: C*04:01:01:75	No
: C*04:01:01:76	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24631-HG005_passed_cluster_sequences

Locus: DRB1

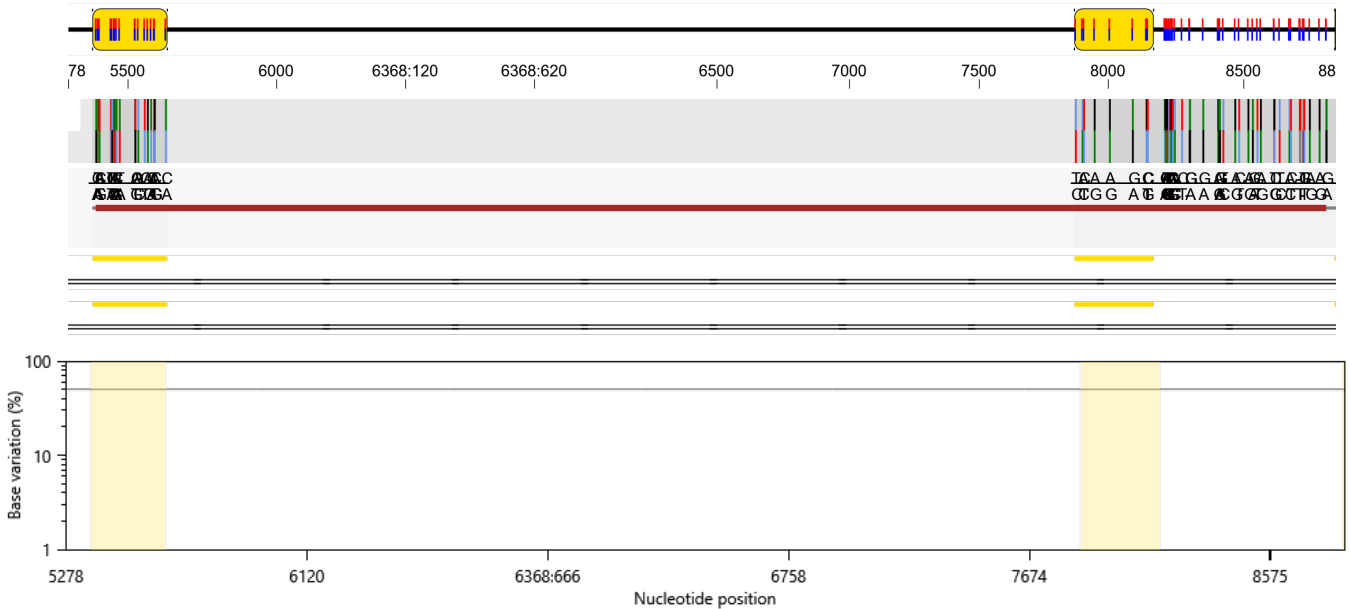
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DRB1*04:05:01:01	DRB1*09:01:02:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	4th field	CWD
		DRB1*04:05:01:01	
		: DRB1*04:05:01:02	No
		: DRB1*04:05:01:03	No
		: DRB1*04:05:01:04	No
DRB1*09:01:02:01		DRB1*09:01:02:01	
: DRB1*09:21	No	: DRB1*09:01:02:02	No
: DRB1*09:31	No	: DRB1*09:01:02:03	No
		: DRB1*09:01:02:04	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24631-HG005_passed_cluster_sequences

Locus: DQB1

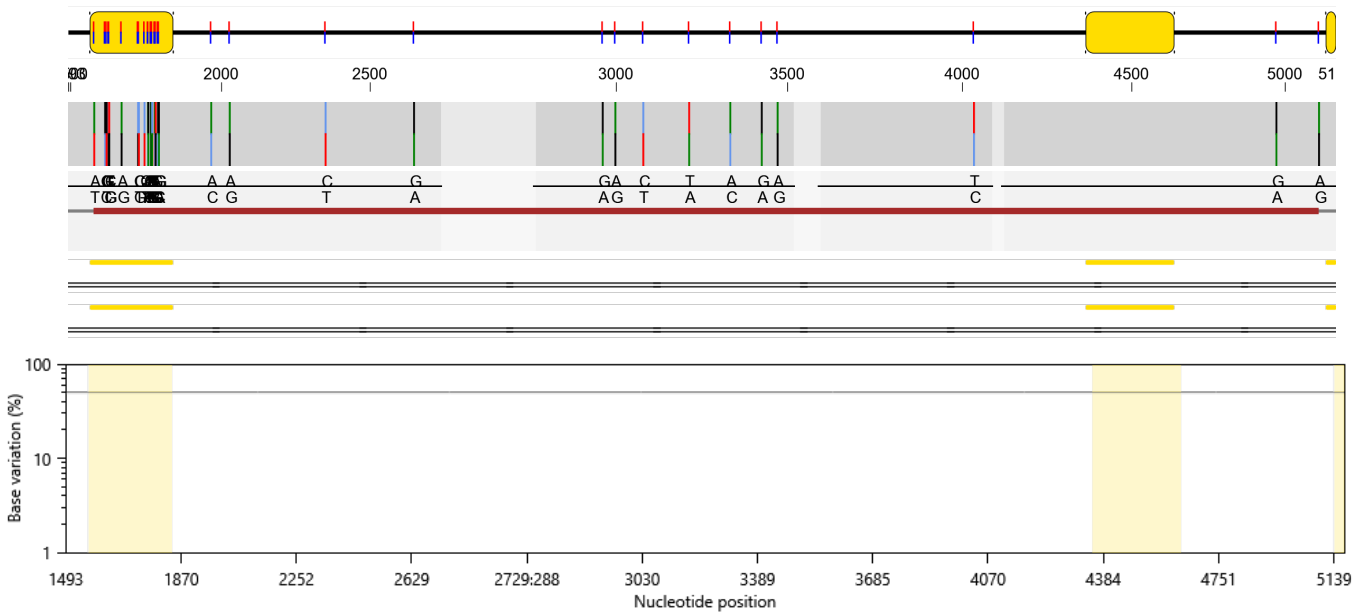
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DQB1*03:03:02:02	DQB1*04:01:01:01	No	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
DQB1*03:03:02:02	
: DQB1*03:03:02:03	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24631-HG005_passed_cluster_sequences

Locus: DPB1

Full typing result

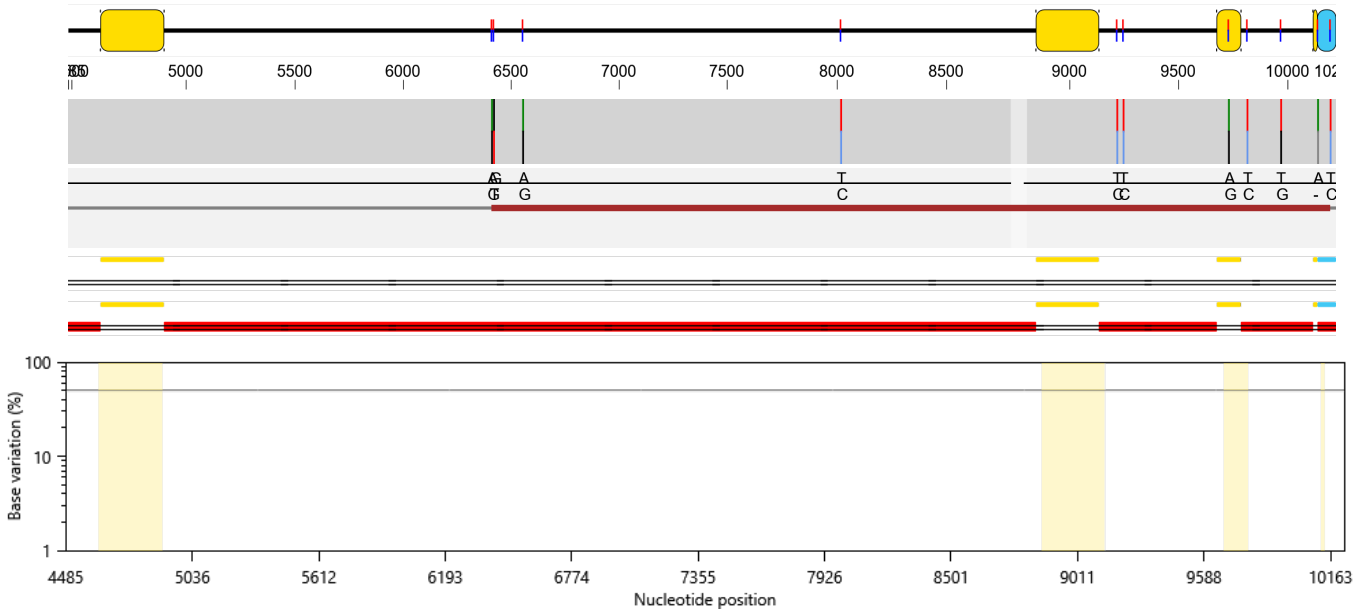
Allele 1	Allele 2	CWD 1	CWD 2	Review status
DPB1*05:01:01:01	DPB1*135:01	C	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
DPB1*05:01:01:01	
: DPB1*05:01:01:02	No
: DPB1*05:01:01:05	No
: DPB1*05:01:01:07	No
: DPB1*05:01:01:08	No
: DPB1*05:01:01:09	No

and 1 more

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample details

Reads

Total number of reads: 11
Mappability: 11 of 11 reads used
Software: NGSengine 2.18.0.17625

Locus	Number of reads	Reads Perc.
HLA-A	1	9.1 %
HLA-B	2	18.2 %
HLA-C	2	18.2 %
DRB1	2	18.2 %
DQB1	2	18.2 %
DPB1	2	18.2 %

Analysis settings

Locus	Amplicon	Analysis Region	Ignore Regions	Phasing algorithm	Read depth threshold	Allele ratio threshold	Quality trimming
HLA-A	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-B	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-C	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
DRB1	NGSgo-MX6-1	Amplicon	Default	Classic	20	15	Disabled
DQB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	15	Disabled
DPB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled

Quality trimming numbers: Absolute threshold, Relative threshold, Window size

Analysis settings cont.

Locus	Noise threshold	CWD sorting applied
HLA-A	15	Yes
HLA-B	15	Yes
HLA-C	15	Yes
DRB1	10	Yes
DQB1	10	Yes
DPB1	10	Yes

Sample: pbaa_24695-HG007_passed_cluster_sequences

Full typing result

	Allele 1	Allele 2	CWD 1	CWD 2	Review status
HLA-A	02:07:01:01	24:02:01:01	C	C	Not reviewed
HLA-B	40:06:01:01	46:01:01:01	C	C	Not reviewed
HLA-C	01:02:01:01	08:01:01:01	C	C	Not reviewed
DRB1	09:01:02:01	09:01:02:01	C	C	Not reviewed
DQB1	03:03:02:02	03:03:02:02	No	No	Not reviewed
DPB1	05:01:01:01	05:01:01:01	C	C	Not reviewed

Genotype ambiguities

Allele ambiguities

Major fields	CWD	4th field	CWD
		A*24:02:01:01 : A*24:02:01:16	No
		C*01:02:01:01 : C*01:02:01:05	No
DRB1*09:01:02:01 : DRB1*09:21 : DRB1*09:31	No No	DRB1*09:01:02:01 : DRB1*09:01:02:02 : DRB1*09:01:02:03 : DRB1*09:01:02:04	No No No
DRB1*09:01:02:01 : DRB1*09:21 : DRB1*09:31	No No	DRB1*09:01:02:01 : DRB1*09:01:02:02 : DRB1*09:01:02:03 : DRB1*09:01:02:04	No No No
		DQB1*03:03:02:02 : DQB1*03:03:02:03	No
		DQB1*03:03:02:02 : DQB1*03:03:02:03	No
		DPB1*05:01:01:01 : DPB1*05:01:01:02 : DPB1*05:01:01:05 : DPB1*05:01:01:07 : DPB1*05:01:01:08 : DPB1*05:01:01:09 <i>and 1 more</i>	No No No No No
		DPB1*05:01:01:01 : DPB1*05:01:01:02 : DPB1*05:01:01:05 : DPB1*05:01:01:07 : DPB1*05:01:01:08 : DPB1*05:01:01:09 <i>and 1 more</i>	No No No No No

Libraries used

IMGT 3.38.0

Source files

- pbaa_24695-HG007_passed_cluster_sequences.fasta

Sample: pbaa_24695-HG007_passed_cluster_sequences

Locus: HLA-A

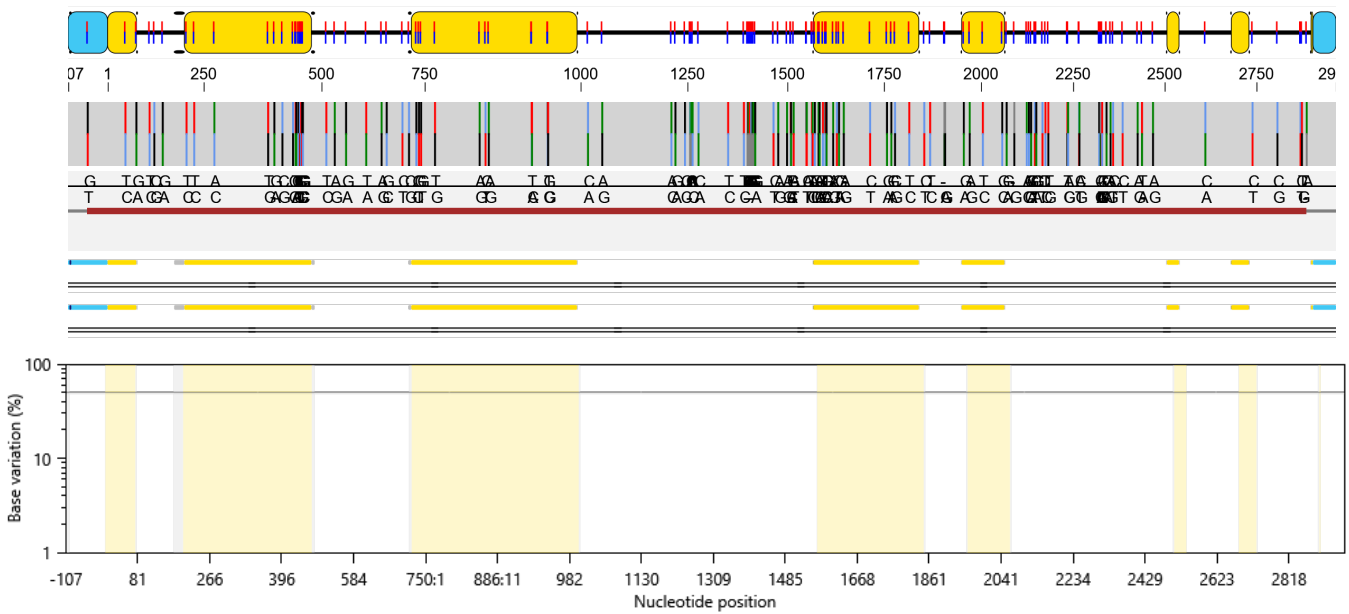
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
A*02:07:01:01	A*24:02:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
A*24:02:01:01	
: A*24:02:01:16	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

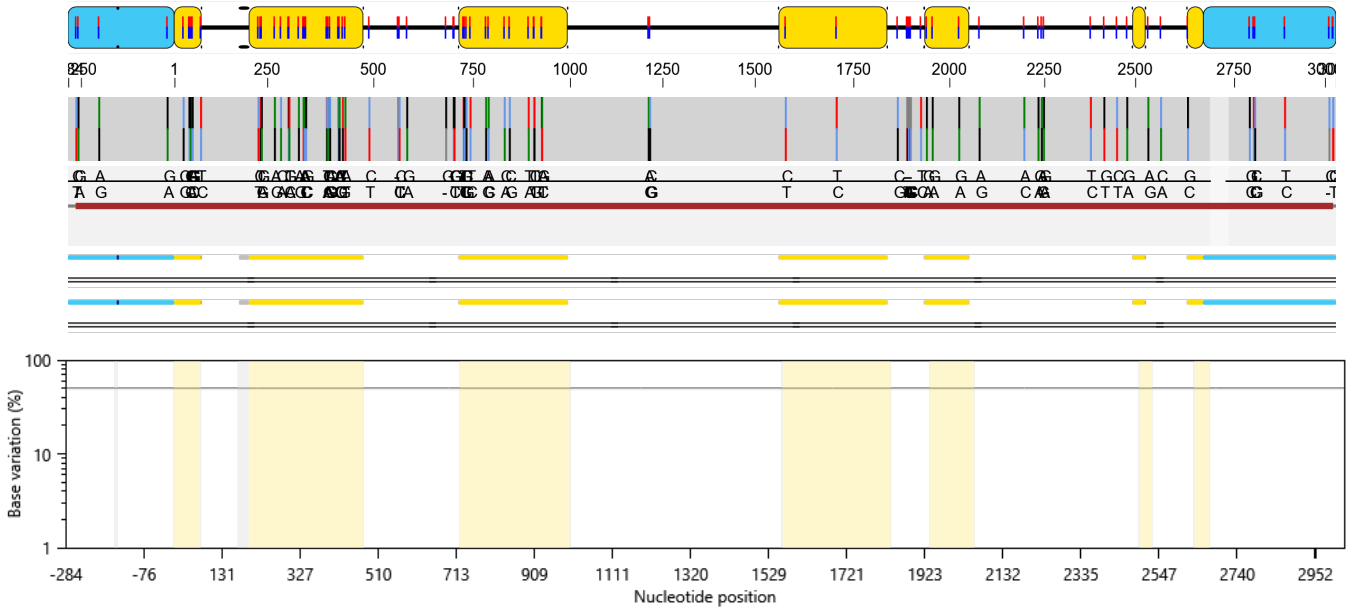
Sample: pbaa_24695-HG007_passed_cluster_sequences

Locus: HLA-B

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
B*40:06:01:01	B*46:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24695-HG007_passed_cluster_sequences

Locus: HLA-C

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
C*01:02:01:01	C*08:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

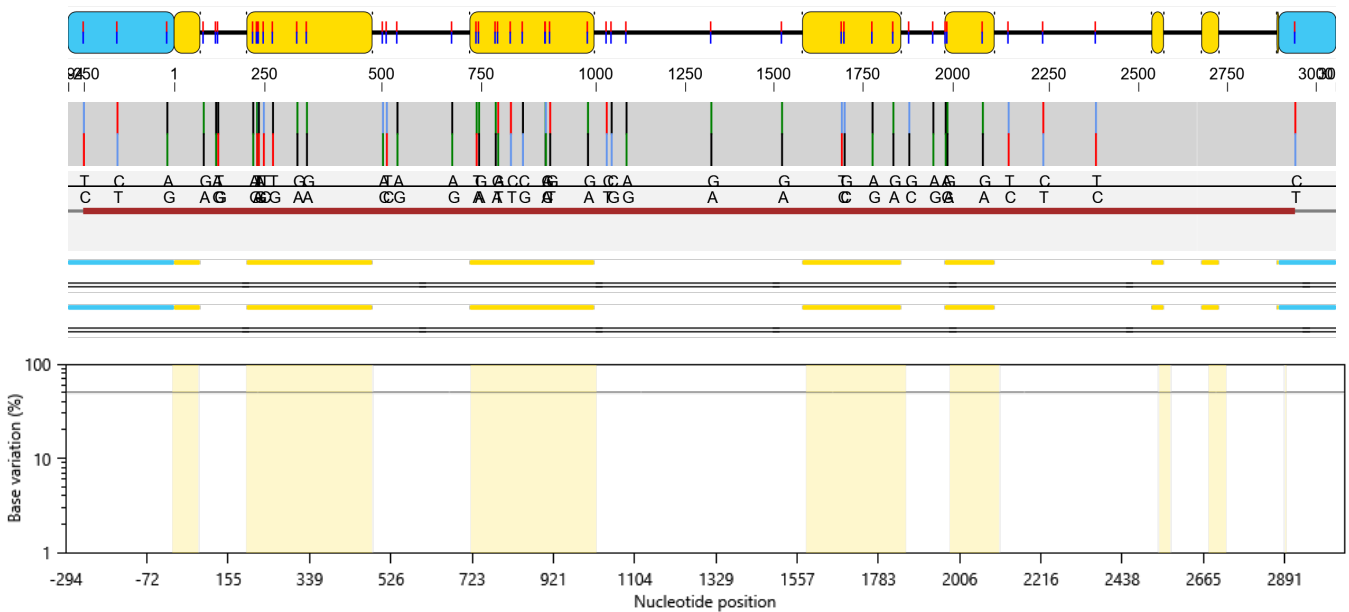
Allele ambiguities

4th field CWD

C*01:02:01:01
: C*01:02:01:05

No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24695-HG007_passed_cluster_sequences

Locus: DRB1

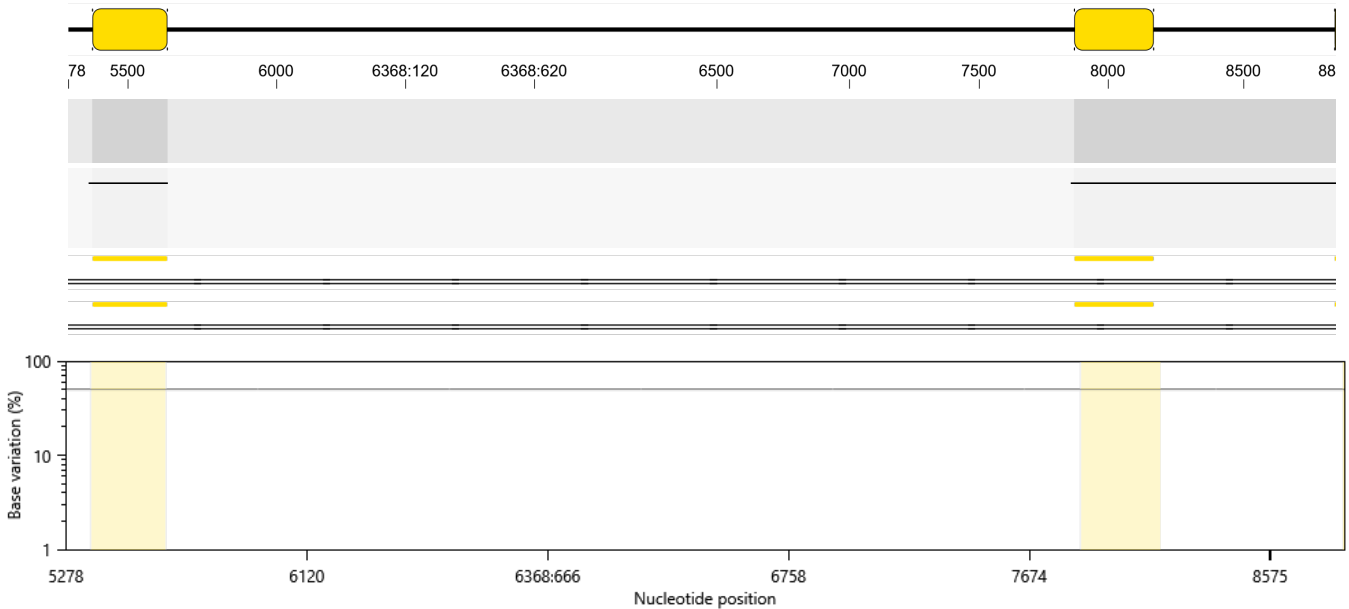
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DRB1*09:01:02:01	DRB1*09:01:02:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	4th field	CWD
DRB1*09:01:02:01		DRB1*09:01:02:01	
: DRB1*09:21	No	: DRB1*09:01:02:02	No
: DRB1*09:31	No	: DRB1*09:01:02:03	No
		: DRB1*09:01:02:04	No
DRB1*09:01:02:01		DRB1*09:01:02:01	
: DRB1*09:21	No	: DRB1*09:01:02:02	No
: DRB1*09:31	No	: DRB1*09:01:02:03	No
		: DRB1*09:01:02:04	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24695-HG007_passed_cluster_sequences

Locus: DQB1

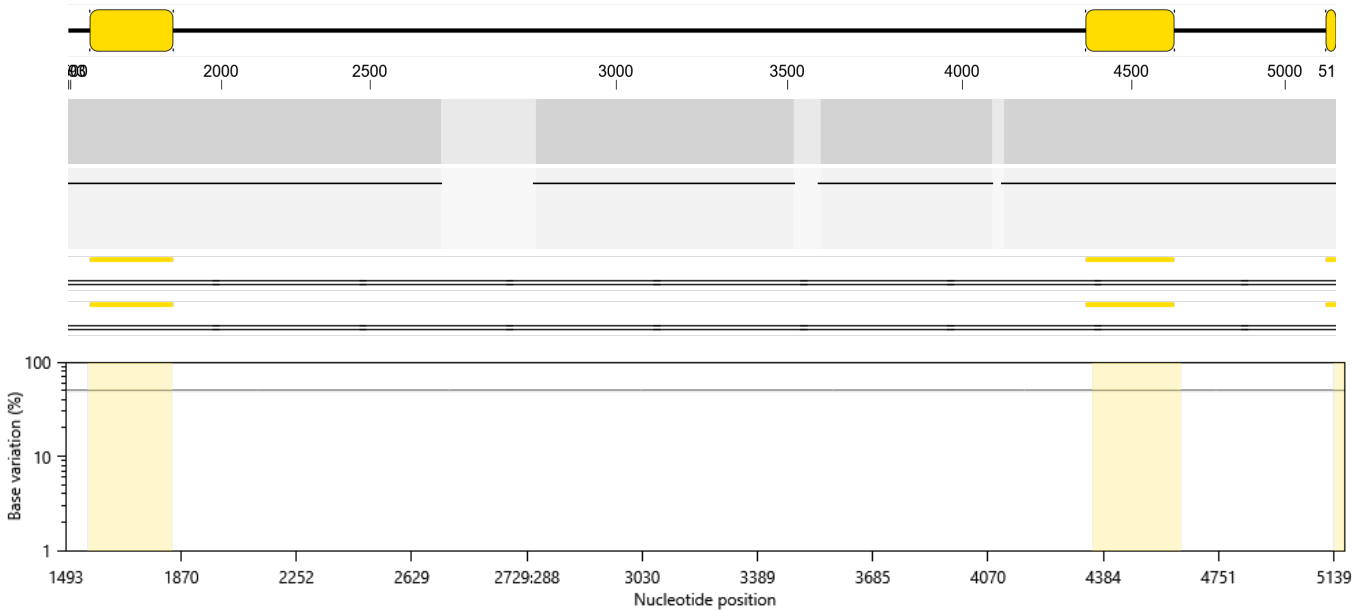
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DQB1*03:03:02:02	DQB1*03:03:02:02	No	No	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
DQB1*03:03:02:02 : DQB1*03:03:02:03	No
DQB1*03:03:02:02 : DQB1*03:03:02:03	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_24695-HG007_passed_cluster_sequences

Locus: DPB1

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DPB1*05:01:01:01	DPB1*05:01:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field CWD

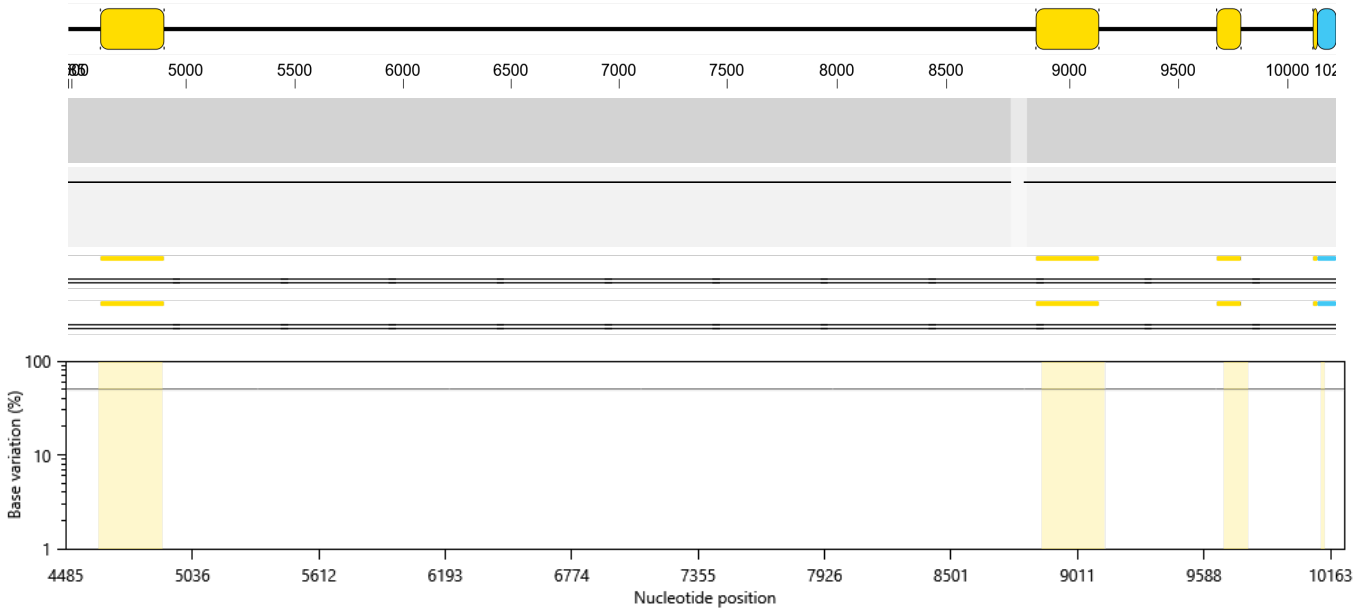
DPB1*05:01:01:01
: DPB1*05:01:01:02 No
: DPB1*05:01:01:05 No
: DPB1*05:01:01:07 No
: DPB1*05:01:01:08 No
: DPB1*05:01:01:09 No

and 1 more

DPB1*05:01:01:01
: DPB1*05:01:01:02 No
: DPB1*05:01:01:05 No
: DPB1*05:01:01:07 No
: DPB1*05:01:01:08 No
: DPB1*05:01:01:09 No

and 1 more

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample details

Reads

Total number of reads: 9
Mappability: 9 of 9 reads used
Software: NGSengine 2.18.0.17625

Locus	Number of reads	Reads Perc.
HLA-A	2	22.3 %
HLA-B	2	22.3 %
HLA-C	2	22.3 %
DRB1	1	11.2 %
DQB1	1	11.2 %
DPB1	1	11.2 %

Analysis settings

Locus	Amplicon	Analysis Region	Ignore Regions	Phasing algorithm	Read depth threshold	Allele ratio threshold	Quality trimming
HLA-A	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-B	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-C	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
DRB1	NGSgo-MX6-1	Amplicon	Default	Classic	20	15	Disabled
DQB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	15	Disabled
DPB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled

Quality trimming numbers: Absolute threshold, Relative threshold, Window size

Analysis settings cont.

Locus	Noise threshold	CWD sorting applied
HLA-A	15	Yes
HLA-B	15	Yes
HLA-C	15	Yes
DRB1	10	Yes
DQB1	10	Yes
DPB1	10	Yes

Sample: pbaa_C1-218_passed_cluster_sequences

Full typing result

	Allele 1	Allele 2	CWD 1	CWD 2	Review status
HLA-A	02:01:01:01	66:02	C	C	Not reviewed
HLA-B	44:02:01:01	57:03:01:01	C	C	Not reviewed
HLA-C	05:01:01:02	06:02:01:01	WD	C	Not reviewed
DRB1	03:01:01:01	04:02:01	C	C	Not reviewed
DQB1	02:01:01	03:02:01:01	C	C	Not reviewed
DPB1	02:01:02:10	18:01:01:01	No	C	Not reviewed

Genotype ambiguities

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
				A*02:01:01:01 : A*02:01:01:16 : A*02:01:01:31 : A*02:01:01:50	No No No
				B*44:02:01:01 : B*44:02:01:14 : B*44:02:01:20	No No
				C*05:01:01:02 : C*05:01:01:39	No
DRB1*03:01:01:01 : DRB1*03:147	No			DRB1*03:01:01:01 : DRB1*03:01:01:02 : DRB1*03:01:01:03	No No
DQB1*02:01:01 : DQB1*02:109 : DQB1*02:148 : DQB1*02:163N	No No No				
DQB1*03:02:01:01 : DQB1*03:289	No	DQB1*03:02:01:01 : DQB1*03:02:26	No	DQB1*03:02:01:01 : DQB1*03:02:01:02 : DQB1*03:02:01:08	No No
				DPB1*02:01:02:10 : DPB1*02:01:02:34	No
				DPB1*18:01:01:01 : DPB1*18:01:01:02 : DPB1*18:01:01:03 : DPB1*18:01:01:04	No No No

Libraries used

IMGT 3.38.0

Source files

- pbaa_C1-218_passed_cluster_sequences.fasta

Sample: pbaa_C1-218_passed_cluster_sequences

Locus: HLA-A

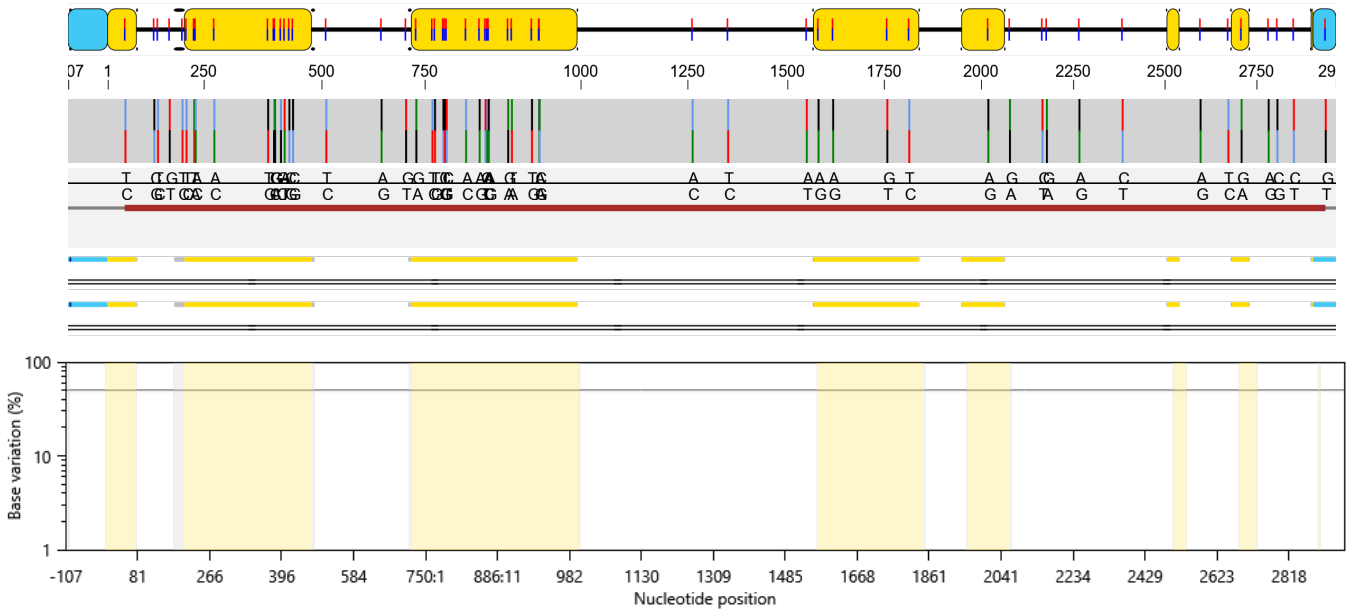
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
A*02:01:01:01	A*66:02	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
A*02:01:01:01	No
: A*02:01:01:16	No
: A*02:01:01:31	No
: A*02:01:01:50	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_C1-218_passed_cluster_sequences

Locus: HLA-B

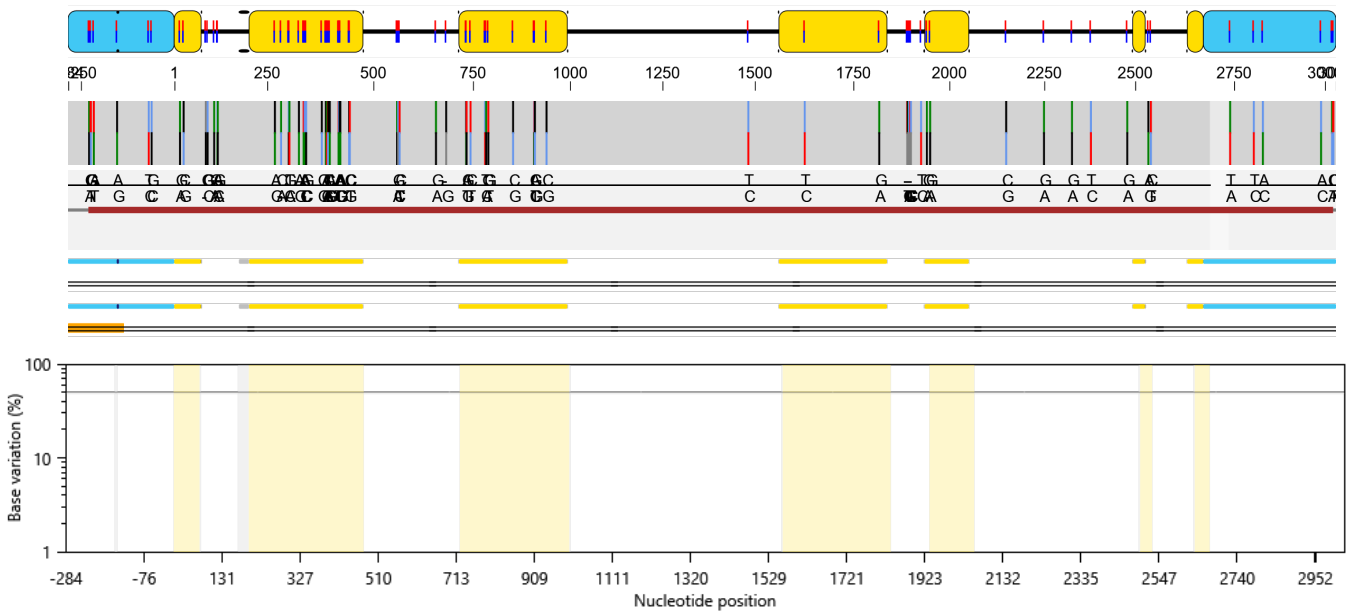
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
B*44:02:01:01	B*57:03:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
B*44:02:01:01	
: B*44:02:01:14	No
: B*44:02:01:20	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_C1-218_passed_cluster_sequences

Locus: HLA-C

Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
C*05:01:01:02	C*06:02:01:01	WD	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

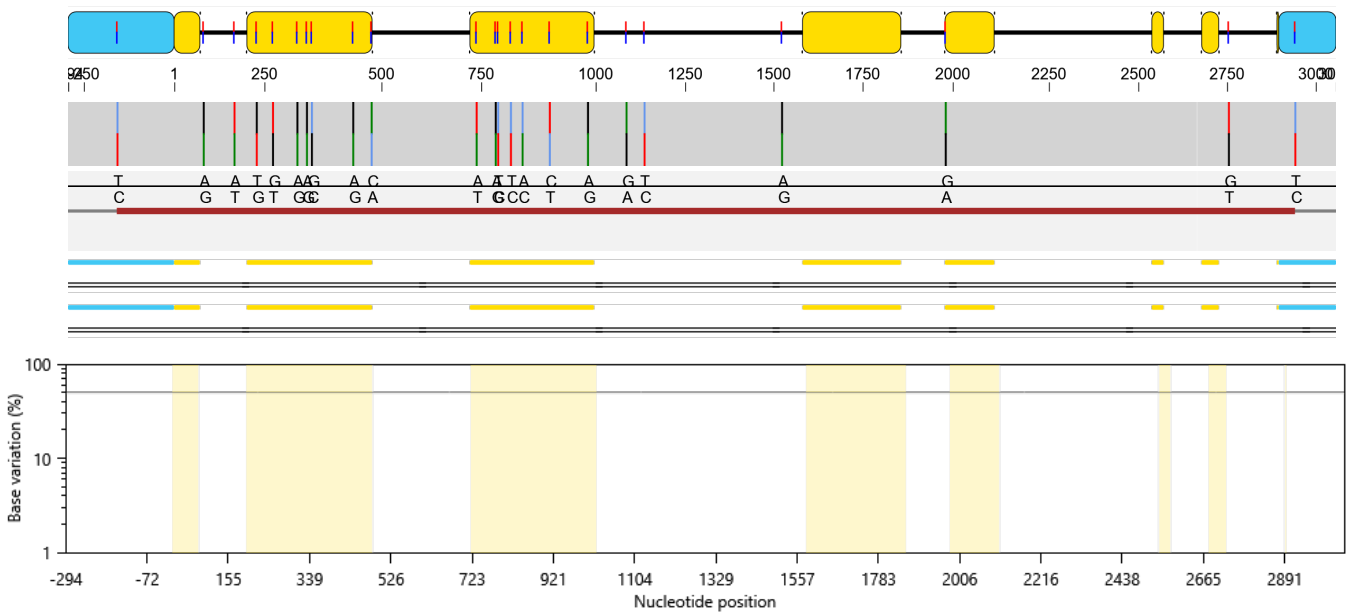
Allele ambiguities

4th field CWD

C*05:01:01:02
: C*05:01:01:39

No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_C1-218_passed_cluster_sequences

Locus: DRB1

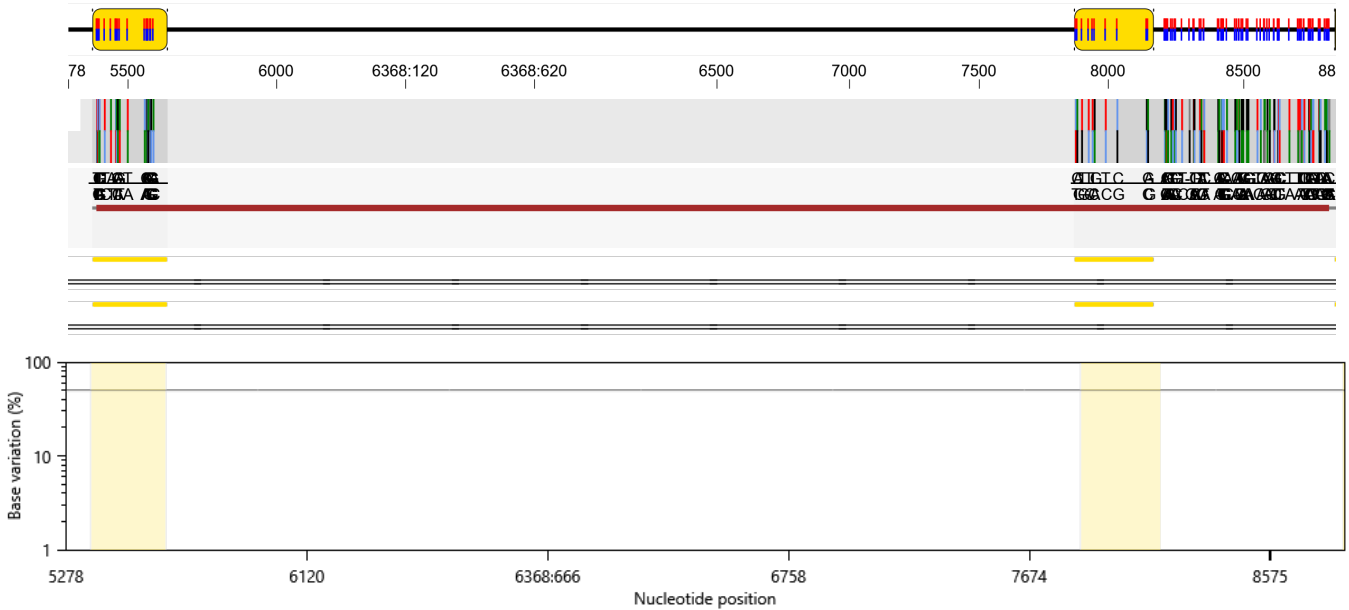
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DRB1*03:01:01:01	DRB1*04:02:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	4th field	CWD
DRB1*03:01:01:01 : DRB1*03:147	No	DRB1*03:01:01:01 : DRB1*03:01:01:02 : DRB1*03:01:01:03	No No No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_C1-218_passed_cluster_sequences

Locus: DQB1

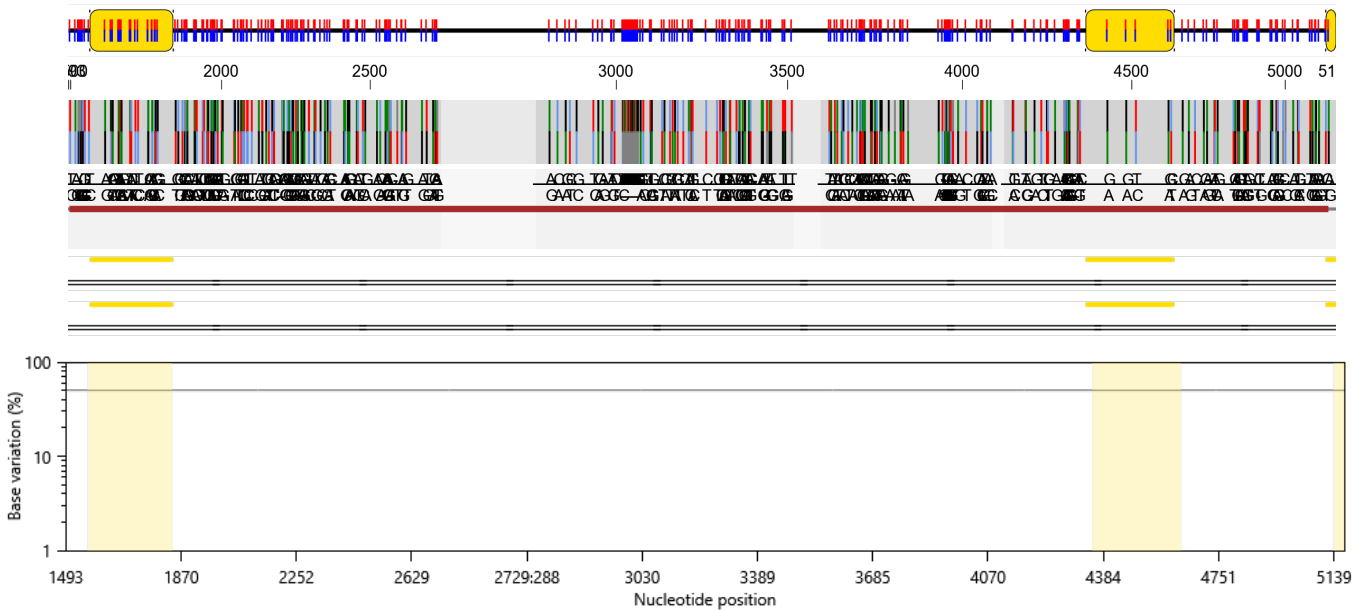
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DQB1*02:01:01	DQB1*03:02:01:01	C	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

Major fields	CWD	3rd field	CWD	4th field	CWD
DQB1*02:01:01					
: DQB1*02:109	No				
: DQB1*02:148	No				
: DQB1*02:163N	No				
DQB1*03:02:01:01		DQB1*03:02:01:01		DQB1*03:02:01:01	
: DQB1*03:289	No	: DQB1*03:02:26	No	: DQB1*03:02:01:02	No
				: DQB1*03:02:01:08	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample: pbaa_C1-218_passed_cluster_sequences

Locus: DPB1

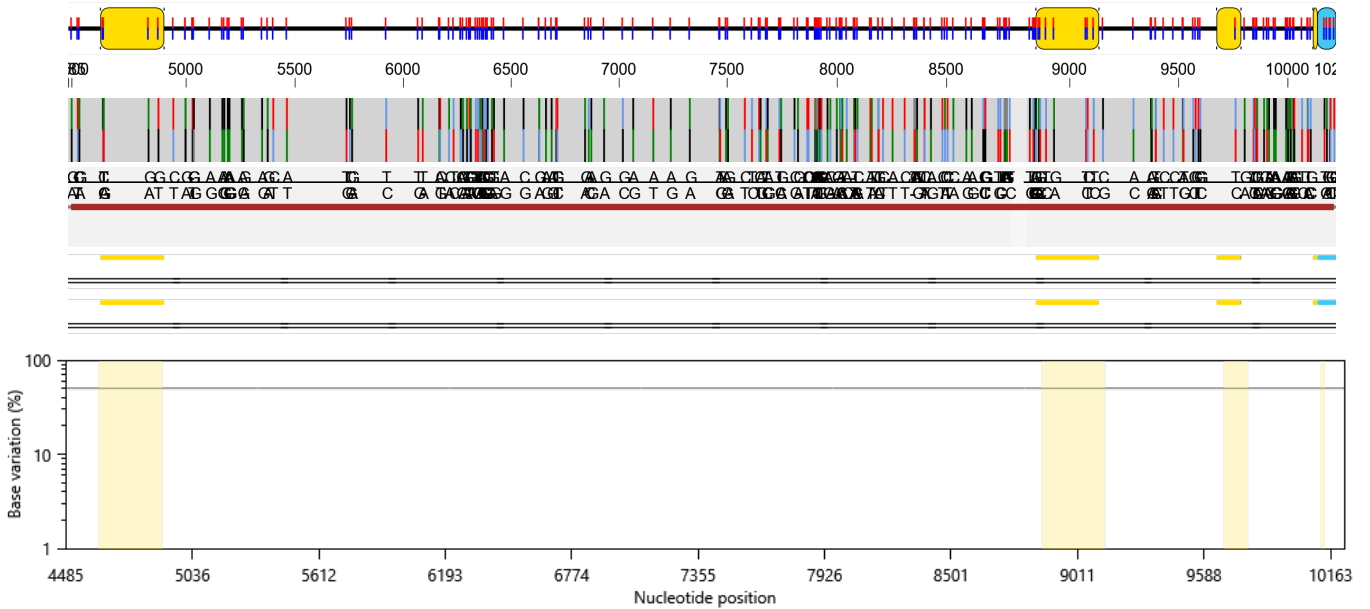
Full typing result

Allele 1	Allele 2	CWD 1	CWD 2	Review status
DPB1*02:01:02:10	DPB1*18:01:01:01	No	C	Not reviewed
Core ⁺ mm: 0	Core ⁺ mm: 0			
Exon ⁺ mm: 0	Exon ⁺ mm: 0			
Intron mm: 0	Intron mm: 0			

Allele ambiguities

4th field	CWD
DPB1*02:01:02:10 : DPB1*02:01:02:34	No
DPB1*18:01:01:01 : DPB1*18:01:01:02 : DPB1*18:01:01:03 : DPB1*18:01:01:04	No

Visualization



Analysis

Date: 23 October 2020
Library: IMGT 3.38.0
Software: NGSengine 2.18.0.17625

Sample details

Reads

Total number of reads: 12
Mappability: 12 of 12 reads used
Software: NGSengine 2.18.0.17625

Locus	Number of reads	Reads Perc.
HLA-A	2	16.7 %
HLA-B	2	16.7 %
HLA-C	2	16.7 %
DRB1	2	16.7 %
DQB1	2	16.7 %
DPB1	2	16.7 %

Analysis settings

Locus	Amplicon	Analysis Region	Ignore Regions	Phasing algorithm	Read depth threshold	Allele ratio threshold	Quality trimming
HLA-A	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-B	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
HLA-C	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled
DRB1	NGSgo-MX6-1	Amplicon	Default	Classic	20	15	Disabled
DQB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	15	Disabled
DPB1	NGSgo-MX6-1	Amplicon	Default	Cluster	20	20	Disabled

Quality trimming numbers: Absolute threshold, Relative threshold, Window size

Analysis settings cont.

Locus	Noise threshold	CWD sorting applied
HLA-A	15	Yes
HLA-B	15	Yes
HLA-C	15	Yes
DRB1	10	Yes
DQB1	10	Yes
DPB1	10	Yes