

September 23, 2025

Laboratory 06

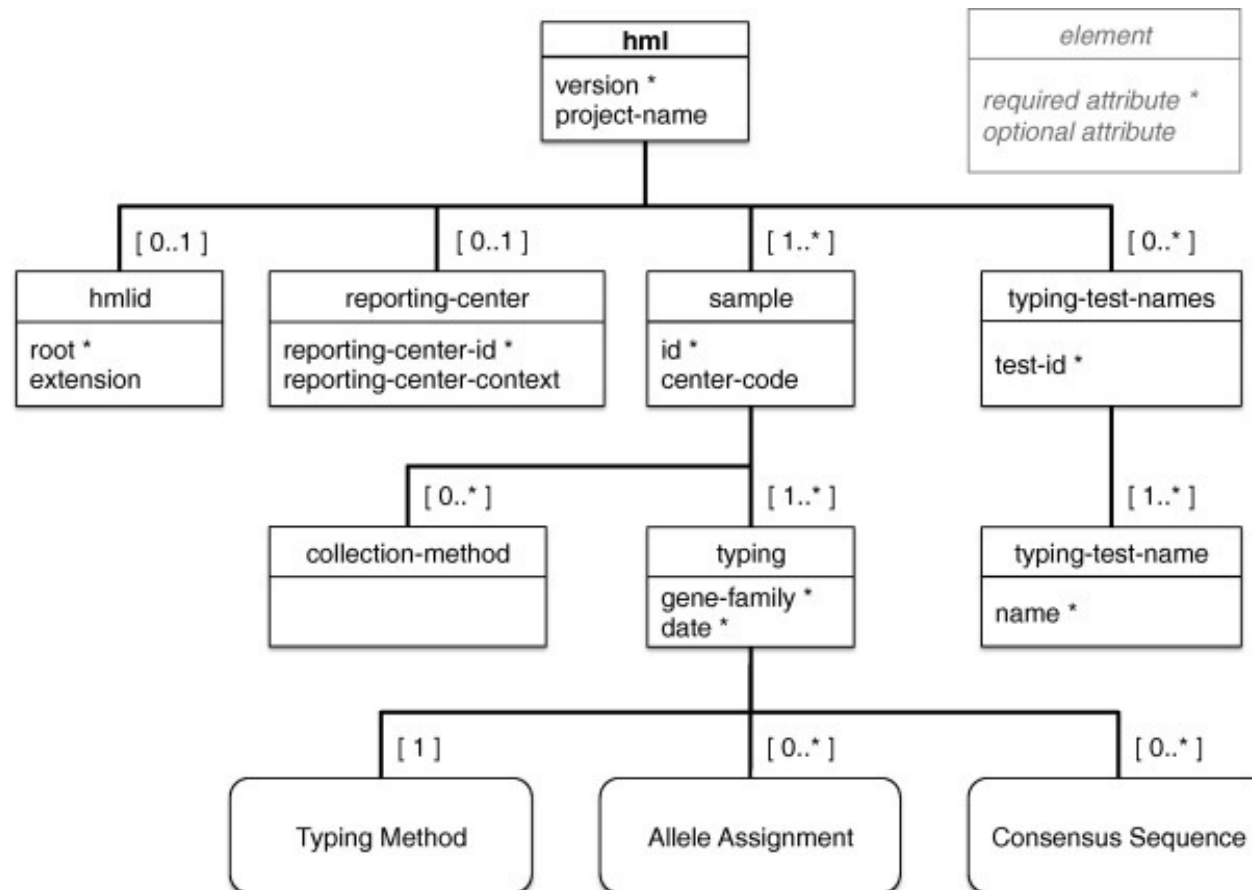
Upload HLA Genotype Data



19th IHIWS database system development team

HLA Genotype Data Format

Our database system accepts HLA genotype data in Histoimmunogenetics Markup Language (HML) format.



Robert P Milius et al., Histoimmunogenetics Markup Language 1.0: Reporting next generation sequencing-based HLA and KIR genotyping. Hum Immunol **76**:963-974 (2015).

Upload and Manage HLA Genotype Data

The screenshot displays the IHIW19 Management System Dashboard. The browser address bar shows <https://data.ihiw19.org>. The dashboard header includes the IHIW19 logo, navigation tabs for Dashboard, Lab View, and Project View, and a user profile dropdown for IHIW19 Demo2.

Dashboard

Welcome to IHIW19 Management System, IHIW19 Demo2

Metadata Completion Status

HLA Metadata

Sample Metadata (Stage 1)
Sample: 1 of 1 completed (100%)

Subject Metadata (Stage 2)
Subject: 1 of 1 completed (100%)

No HLA metadata found

Antibody Metadata

Sample Metadata (Stage 1)
Sample: 1 of 1 completed (100%)

Subject Metadata (Stage 2)
Subject: 1 of 1 completed (100%)

No Antibody metadata found

Lab View

Manage lab members, upload files, and configure sharing settings with projects.

[Go to Lab View](#)

Project View

Manage projects, view shared files, and import/export data.

[Go to Project View](#)

Click "Go to Lab View"

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Upload and Manage HLA Genotype Data

The screenshot shows a web application interface for IHIW19. The browser address bar displays `https://data.ihiw19.org/lab`. The navigation bar includes links for Dashboard, Lab View (active), and Project View, along with a user profile for Manabu General2. The main content area is titled "Lab View" and includes a "Lab:" label. A sidebar menu on the left lists options: Lab Members (highlighted), Project Linkage, HLA Genotype Data (indicated by a callout), Antibody Testing Data, Sample Metadata, and Subject Metadata. The main panel displays a "Lab Members" table with columns for Name, Email, Role, Status, and Action. The table lists three members: MANABU ADMIN (PI), manabu general (Lab Member), and Manabu General2 (Lab Member), all with an "Active" status.

Click "HLA Genotype Data"

Name	Email	Role	Status	Action
MANABU ADMIN	manabu-admin@example.com	PI	Active	
manabu general	manabugeneral@example.com	Lab Member	Active	
Manabu General2	manabu-general2@example.com	Lab Member	Active	

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Upload and Manage HLA Genotype Data

← → ↺ <https://data.ihw19.org/lab/#hla-genotype-data> ゲスト

IHW19

Dashboard

Lab View

Tsuyoshi Hachiya2

Lab View

Lab: GAJ

- Lab Members
- Project Linkage
- Genotype Data**
- Antibody Testing Data
- Sample Metadata
- Subject Metadata
- Token Management

Genotype Data Management

Import Genotype Data

Delete Selected

Search Sample ID

Items per page

Enter Sample ID

10

☐	Sample ID	Locus	GL String	Import date	Actions
No HLA Genotype data found					

Upload and Manage HLA Genotype Data

The screenshot displays the IHIW19 Lab View interface. The browser address bar shows the URL <https://data.ihiw19.org/lab/#hla-genotype-data>. The page title is "Lab View". The left sidebar contains a menu with the following items: "Project Linkage", "HLA Genotype Data" (highlighted), "Antibody Testing Data", "Sample Metadata", and "Subject Metadata". The main content area shows a "Lab:" label and a "Project Linkage" section. A modal dialog titled "Import HML" is open, featuring a close button (X) in the top right corner. The dialog contains the following fields and options:

- HML File:** A button labeled "ファイルを選択" (Select file) and a status indicator "選択されていません" (Not selected). Below this is the instruction "Upload an HML file (.xml or .html)".
- Typing Method Information:**
 - Test Type:** A dropdown menu with "HLA typing" selected.
 - HLA Vendor:** A dropdown menu with "Other" selected.
 - Instrument:** A dropdown menu with "Other" selected.
 - Software:** A dropdown menu with "Other" selected.
- Software version:** A text input field containing "e.g. 1.0".
- Additional Information:** A text input field containing "Optional".

At the bottom of the dialog are two buttons: "Cancel" and "Upload & Process". A callout box with a green border and a pointer to the "ファイルを選択" button contains the text "Click 'Select a file'".

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Upload and Manage HLA Genotype Data

The screenshot displays the IHIW19 Management System interface. The browser address bar shows the URL <https://data.ihw19.org/lab/#hla-genotype-data>. The page title is "Lab View". A sidebar on the left contains navigation links: "Lab Mem", "Project L", "HLA Gen", and "Subject M". The main content area is titled "Lab View" and includes a "Lab:" label. An "Import HML" dialog box is open, showing a file selection interface. The dialog box has a title bar "Import HML" and a close button. Below the title bar, there is a label "HML File" and a text input field with the placeholder text "ファイルを選択" and "選択されていません". A file selection window is open, showing a list of files. The window has a title bar "demo20250818" and a search bar. The file list is as follows:

名前	サイズ	種類	追加日
> SubjectMetadata	--	フォルダ	今日 19:03
> SampleMetadata	--	フォルダ	今日 19:03
hml-minimal-sample.xml	2 KB	XML Document	今日 19:02
head-IWSampleCI2025-05-13.csv	743 バイト	Comm...et (.csv)	今日 19:02

At the bottom of the file selection window, there are three buttons: "オプションを表示", "キャンセル", and "開く". A callout box points to the "hml-minimal-sample.xml" file with the text "Select a HML file". Another callout box points to the "開く" button with the text "Click 'Open'".

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Upload and Manage HLA Genotype Data

The screenshot displays the IHIW19 Lab View interface. The browser address bar shows the URL <https://data.ihiw19.org/lab/#hla-genotype-data>. The page header includes the IHIW19 logo, navigation tabs (Dashboard, Lab View, Project View), and a user profile (Manabu General2). The main content area is titled 'Lab View' and includes a sidebar with 'Lab Members', 'Project Linkage', and 'HLA Genotype Data'. A modal dialog titled 'Import HML' is open, prompting the user to upload an HML file. The dialog contains the following fields and options:

- HML File:** A text input field with a file selection button (ファイルを選択) and the filename 'hml-minimal-sample.xml'.
- Upload an HML file (.xml or .hml):** A descriptive text label.
- Typing Method Information:**
 - Test Type:** A dropdown menu with 'HLA typing' selected.
 - Instrument:** A dropdown menu with 'Other' selected.
 - Software version:** A text input field with 'e.g. 1.0' as a placeholder.
- HLA Vendor:** A dropdown menu with 'Other' selected.
- Software:** A dropdown menu with 'Other' selected.
- Additional Information:** A text input field with 'Optional' as a placeholder.
- Buttons:** 'Cancel' and 'Upload & Process' buttons at the bottom right of the dialog.

Annotations with green callout boxes provide instructions for each field:

- Select "Test Type"** points to the 'Test Type' dropdown.
- Select "Instrument"** points to the 'Instrument' dropdown.
- Input "Software version"** points to the 'Software version' text input.
- Select "HLA Vendor"** points to the 'HLA Vendor' dropdown.
- Select "Software"** points to the 'Software' dropdown.
- Input "Additional Information"** points to the 'Additional Information' text input.
- Click "Upload & Process"** points to the 'Upload & Process' button.

At the bottom of the page, a footer indicates '© 2025 IHIW19 Management System'.

Upload and Manage HLA Genotype Data

The screenshot displays the IHIW19 Lab View interface in a web browser. The address bar shows the URL <https://data.ihiw19.org/lab/#hla-genotype-data>. The page title is "Lab View | IHIW19 Management". The main navigation bar includes "Dashboard", "Lab View", and "Project View". The user is logged in as "Manabu General2".

On the left sidebar, the "HLA Genotype Data" option is selected. The main content area shows a table of HLA genotype data. A modal window titled "Import HML" is open, displaying a success message: "HML file imported successfully. 1 samples processed (1 new, 0 overwritten)". A green "Close" button is visible on the modal. A callout box points to this button with the text "Click 'Close'".

Below the modal, there is a search bar for "Sample ID" and a table with the following columns: Sample ID, Locus, Labcode, GL String, Import date, and Actions. The table contains one row of data for "SAMPLE-ID-001".

Sample ID	Locus	Labcode	GL String	Import date	Actions
SAMPLE-ID-001	HLA-A	MANABUADMINLAB	HLA-A*01:01;HLA-A*02:01	2025-08-18	

At the bottom of the page, the footer text reads "© 2025 IHIW19 Management System".

Upload and Manage HLA Genotype Data

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https://data.ihw19.org/lab/#hla-genotype-data

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IHW19

Dashboard

Lab View

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Lab View

Lab: GAJ

👥 Lab Members

🔗 Project Linkage

📊 Genotype Data

🔬 Antibody Testing Data

🧪 Sample Metadata

👤 Subject Metadata

🔑 Token Management

Genotype Data Management

Import Genotype Data

Delete Selected

Search Sample ID

Enter Sample ID

Items per page

10

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☐	Sample ID	Locus	GL String	Import date	Actions
☐	SAMPLE-ID-001	HLA-A	HLA-A*01:01;HLA-A*02:01	2025-09-23	👁 Delete

HLA genotype data was imported

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Upload and Manage HLA Genotype Data

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https://data.ihw19.org/lab/#hla-genotype-data

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IHW19

Dashboard

Lab View

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Lab View

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Genotype Data Management

Import Genotype Data

Delete Selected

Search Sample ID

Enter Sample ID

Items per page

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☐	Sample ID	Locus	GL String	Import date	Actions
☐	SAMPLE-ID-001	HLA-A	HLA-A*01:01;HLA-A*02:01	2025-09-23	👁 Delete

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Click here to show data detail

Upload and Manage HLA Genotype Data

← → ↻ <https://data.ihw19.org/lab/#hla-genotype-data> ゲスト

IHW19 Dashboard Lab View Tsuyoshi Hachiya2

Lab View

Lab: GAJ

- Lab Members
- Project Linkage
- Genotype Data**
- Antibody Testing
- Sample Metadata
- Subject Metadata
- Token Management

HLA Genotype Details: SAMPLE-ID-001

Sample ID: SAMPLE-ID-001 **Database ID:** 574

Locus: HLA-A **Data Type:** Genotype Data

i This is a basic details view for HLA genotype data. Additional details can be added in future enhancements.

Close

Data detail will be shown

10

☐	Sample ID	Locus	GL String	Import date	Actions
☐	SAMPLE-ID-001	HLA-A	HLA-A*01:01;HLA-A*02:01	2025-09-23	Delete

« « 1 » »

Upload and Manage HLA Genotype Data

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https://data.ihw19.org/lab/#hla-genotype-data

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IHW19

Dashboard

Lab View

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Lab View

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Genotype Data Management

Import Genotype Data

Delete Selected

Search Sample ID

Enter Sample ID

Items per page

10

☐	Sample ID	Locus	GL String	Import date	Actions
☐	SAMPLE-ID-001	HLA-A	HLA-A*01:01;HLA-A*02:01	2025-09-23	👁 Delete

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Click here to delete this data

Upload and Manage HLA Genotype Data

← → ↺ <https://data.ihw19.org/lab/#hla-genotype-data> ゲスト

IHW19 Dashboard **Lab View** Tsuyoshi Hachiya2

Lab View

Lab: GAJ

- Lab Members
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- Antibody Testing Data
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Confirm Delete

Are you sure you want to delete the following data? This action cannot be undone.

Sample ID: SAMPLE-ID-001
Lab Code: JPNHAC2
Locus: HLA-A

Cancel Delete

Import Genotype Data Delete Selected

Items per page
10

	Sample ID	Locus	GL	Import date	Actions
☐	SAMPLE-ID-001	HLA-A	HLA-A*01:01;HLA-A*02:01	2025-09-23	Delete

« 1 » »

Click here to delete this data

Upload and Manage HLA Genotype Data

← → ↻ <https://data.ihw19.org/lab/#hla-genotype-data> ゲスト

IHW19 Dashboard **Lab View** Tsuyoshi Hachiya2

Lab View

Lab: GAJ

- Lab Members
- Project Linkage
- Genotype Data**
- Antibody Testing Data
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- Token Management

Deletion Complete

Successfully deleted locus data.

Total items deleted: 1

OK

Import Genotype Data Delete Selected

Search Sample ID

Enter Sample ID

Items per page 10

☐	Sample ID	Locus	GL String	Import date	Actions
☐	SAMPLE-ID-001	HLA-A	HLA-A*01:01;HLA-A*02:01	2025-09-23	Delete

« « 1 » »

Upload and Manage HLA Genotype Data

← → ↺ https://data.ihw19.org/lab/#hla-genotype-data

ゲスト

IHW19

Dashboard

Lab View

Tsuyoshi Hachiya2

Lab View

Lab: GAJ

Lab Members

Project Linkage

Genotype Data

Antibody Testing Data

Sample Metadata

Subject Metadata

Token Management

Genotype Data Management

Import Genotype Data

Delete Selected

Search Sample ID

Items per page

Enter Sample ID

10

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Sample ID

Locus

GL String

Import date

Actions

No HLA Genotype data found

Data was deleted