#### User Guide for the 19th IHIWS Database System

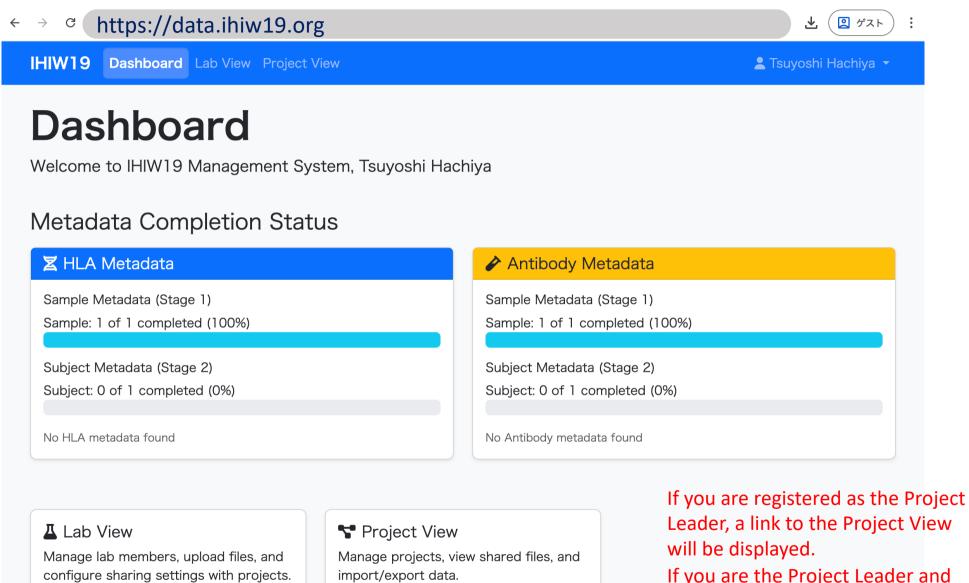
September 23, 2025

# Project 02

# Download HLA Genotype Data



19th IHIWS database system development team

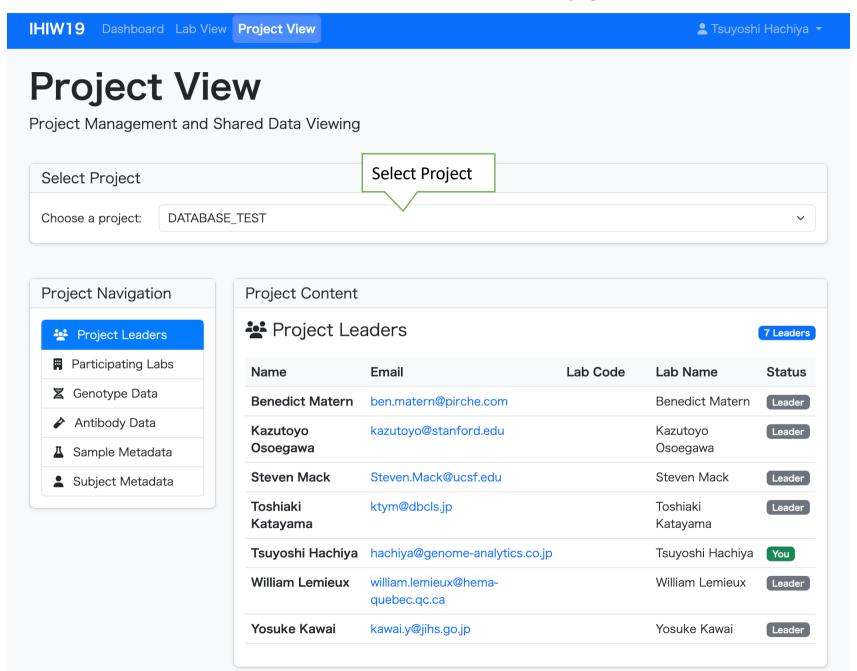


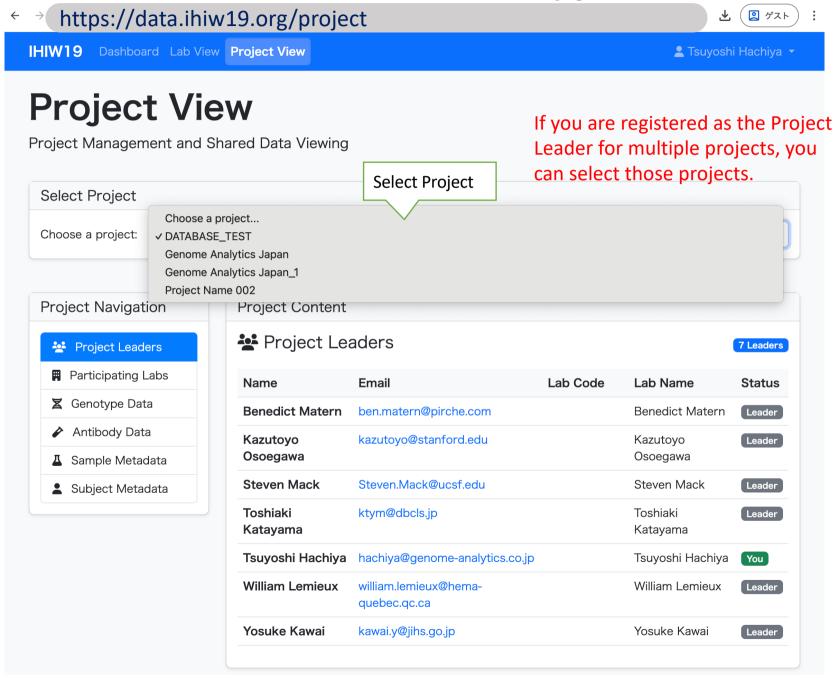
Go to Project View Click "Go to Project View"

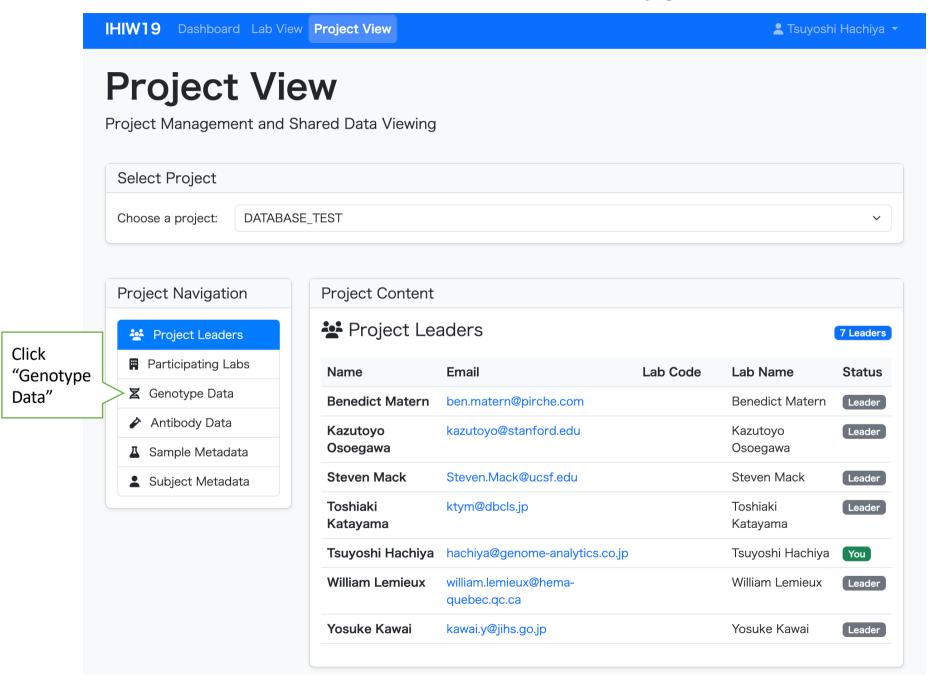
Go to Lab View

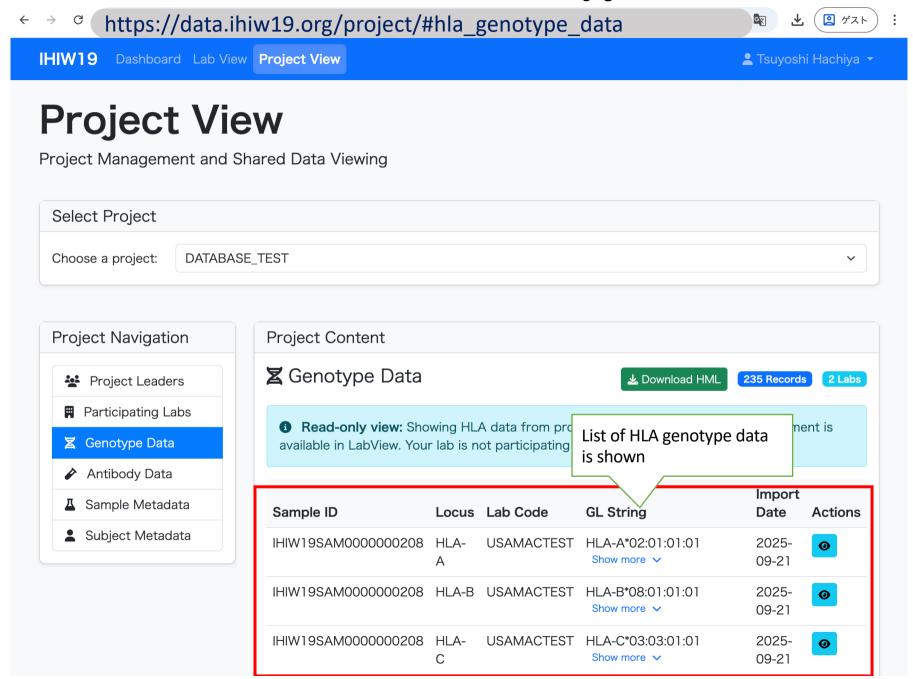
Leader, a link to the Project View

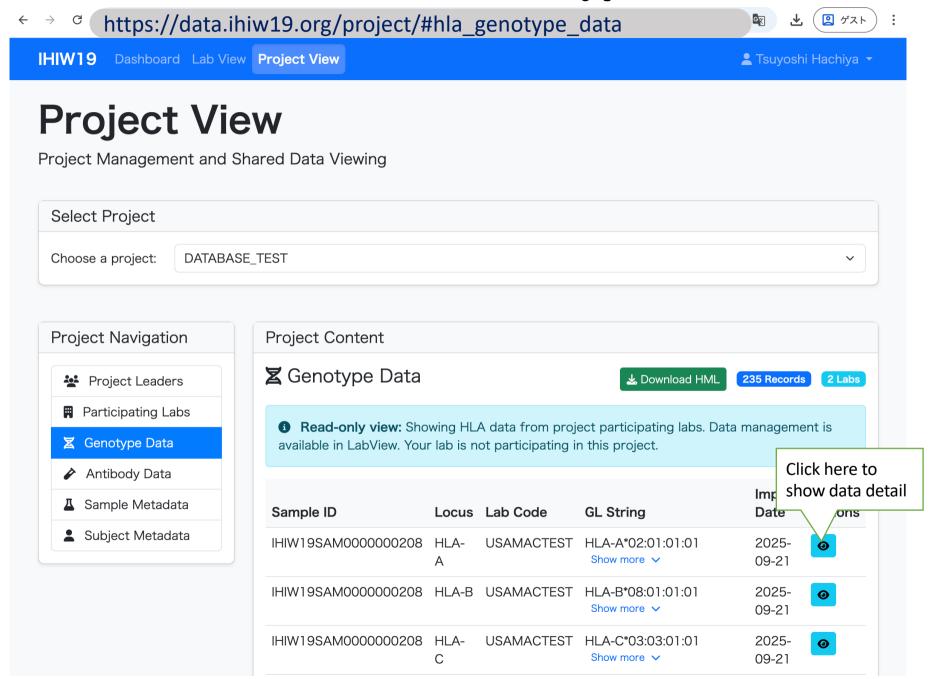
If you are the Project Leader and the link to the Project View does not appear, please contact ihiws19@genome-analytics.co.jp.

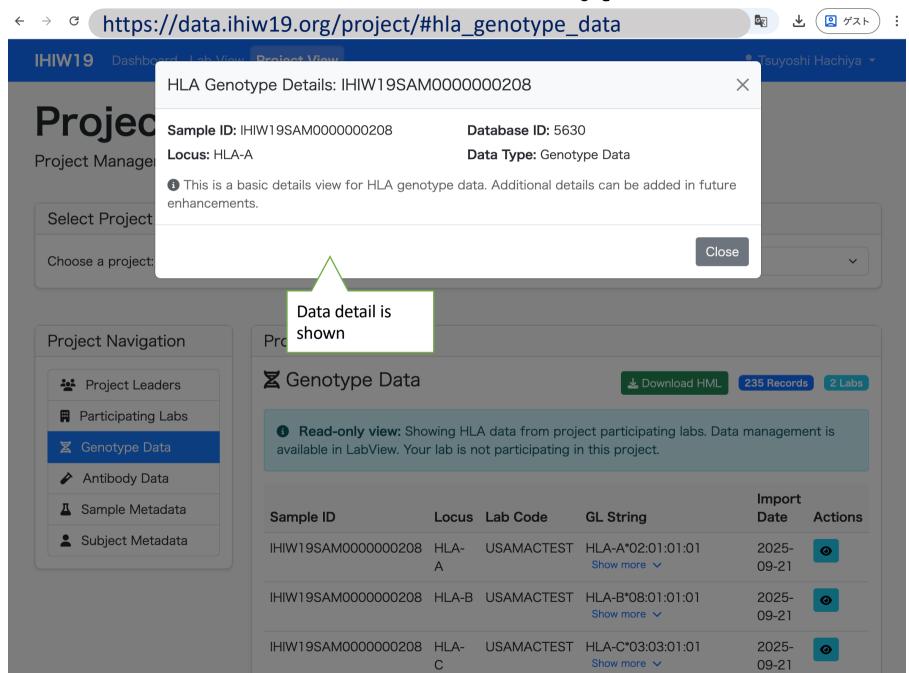


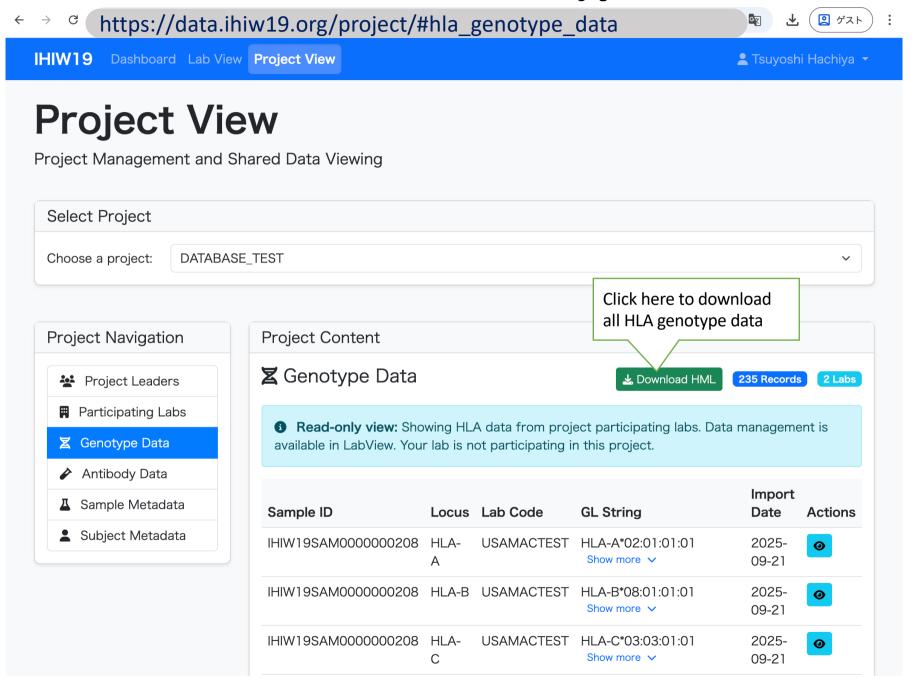


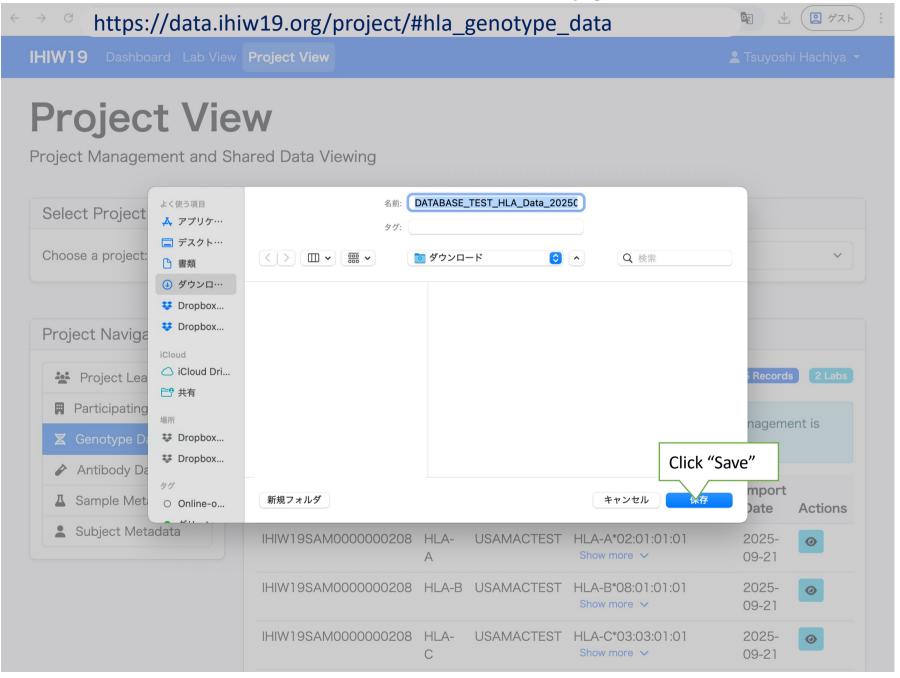












#### HLA genotype data is downloaded in the HML format

```
map.org/spec/hml/1.0.1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" version="1.0.1" project-name="IHIW19 Management System" xsi:sche
<hml xmlns="http://so
maLocation="http://schemas.nmdp.org/spec/hml/1.0.1 hml-1.0.1.xsd">
  <hmlid root="2.16.840.1.113883.3.1470" extension="IHIW19-20250923195033"/>
  <reporting-center reporting-center-id="ucasai" reporting-center-context="NMDP"/>
  <sample id="IHIW19SAM0000000215">
   <collection-method>BUCCAL SWAB</collection-method>
   <typing gene-family="HLA" date="2021-08-13">
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
       <haploid locus="HLA-A" method="DNA" type="33:03:01:01"/>
       <haploid locus="HLA-A" method="DNA" type="74:01:01:01"/>
       <glstring>HLA-A*33:03:01:01+HLA-A*74:01:01:01/glstring>
     </allele-assignment>
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
       <haploid locus="HLA-B" method="DNA" type="14:01:01:01"/>
       <haploid locus="HLA-B" method="DNA" type="56:01:01:03"/>
       <alstrina>HLA-B*14:01:01:01+HLA-B*56:01:01:03</alstrina>
     </allele-assignment>
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
       <haploid locus="HLA-C" method="DNA" type="01:02:01:01"/>
       <haploid locus="HLA-C" method="DNA" type="07:05"/>
       <qlstring>HLA-C*01:02:01:01+HLA-C*07:05</qlstring>
     </allele-assignment>
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
       <haploid locus="HLA-DPA1" method="DNA" type="01:03:01:20"/>
       <haploid locus="HLA-DPA1" method="DNA" type="03:01:01:01"/>
       <qlstring>HLA-DPA1*01:03:01:20+HLA-DPA1*03:01:01/qlstring>
     </allele-assignment>
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
       <haploid locus="HLA-DPB1" method="DNA" type="18:01:01:01"/>
       <haploid locus="HLA-DPB1" method="DNA" type="105:01:01:01"/>
       <haploid locus="HLA-DPB1" method="DNA" type="105:01:01:11"/>
       <alstring>HLA-DPB1*18:01:01:01+HLA-DPB1*105:01:01/HLA-DPB1*105:01:01:11</alstring>
     </allele-assignment>
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
       <haploid locus="HLA-DQA1" method="DNA" type="01:02:01:05"/>
       <haploid locus="HLA-DQA1" method="DNA" type="03:03:01:01"/>
       <haploid locus="HLA-DQA1" method="DNA" type="03:03:01:12"/>
       <haploid locus="HLA-DQA1" method="DNA" type="03:03:01:15"/>
        <alstring>HLA-DQA1*01:02:01:05+HLA-DQA1*03:03:01:01/HLA-DQA1*03:03:01:12/HLA-DQA1*03:03:01:15</alstring>
     </allele-assignment>
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
       <haploid locus="HLA-DQB1" method="DNA" type="02:02:01:02"/>
       <haploid locus="HLA-DQB1" method="DNA" type="06:02:01:04"/>
       <qlstring>HLA-DQB1*02:02:01:02+HLA-DQB1*06:02:01:04</qlstring>
     </allele-assignment>
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
       <haploid locus="HLA-DRB1" method="DNA" type="09:01:02:07"/>
       <haploid locus="HLA-DRB1" method="DNA" type="11:01:02:01"/>
       <qlstring>HLA-DRB1*09:01:02:07+HLA-DRB1*11:01:02:01</qlstring>
     </allele-assignment>
     <allele-assignment date="2021-08-13" allele-db="IMGT/HLA" allele-version="3.44.0">
        <glstring>HLA-DRB3*02:02:01:05</glstring>
```