

Haplostats for the Transplant Center User

Want to know what race groups to focus on in your donor search?

Populations

☒ AFA - African American

☐ AAFA - African American

☐ AFB - African Black

☐ CARB - Caribbean Black

☒ API - Asian Pacific Islander

☐ AINDI - Asian Indian

☐ FILII - Filipino

☐ HAWI - Hawaiian

☐ JAPI - Japanese

☐ KORI - Korean

☐ NCHI - Northern Chinese

☐ SCSEAI - South Central/SE Asian Indian

☐ VIET - Vietnamese

☒ CAU - Caucasian

☐ MENAFC - Middle Eastern/N African Coast

☐ EURCAU - European Caucasian

☒ HIS - Hispanic

☐ CARHIS - Caribbean Hispanic

☐ MSWHIS - Mexican/South Western Hispanic

☐ SCAHIS - South/Central American Hispanic

☐ NAM - North American Indian

☐ AMIND - American Indian

☐ CARIBI - Caribbean Indian

Select All

Clear Populations

← Select race groups of interest

Haplotype Loci

A~C~B~DRB1~DQB1

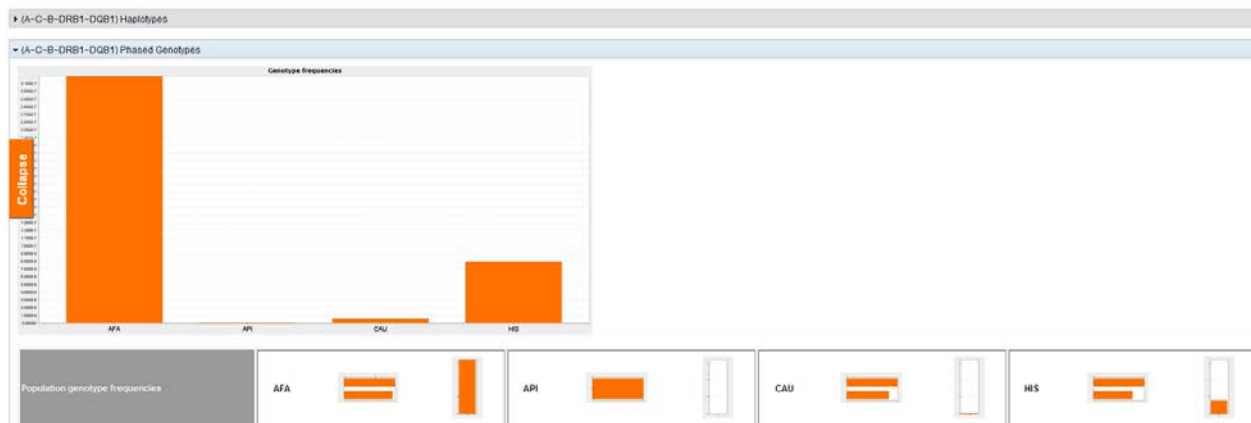
HLA type

Enter an HLA type:	HLA-A	HLA-B	HLA-C	HLA-DRB1	HLA-DQB1	HLA-DRB3	HLA-DRB4	HLA-DRB5
Type 1	02:01	07:02	07:02	11:01	06:02			
Type 2	03:01	07:02	07:02	15:03	03:01			

← Enter Patient's typing

SUBMIT QUERY

Open up the Phased Genotypes tab to display **haplotype** information. The graph shows the frequency of these haplotypes in each race group. In this example, these haplotypes are common in African Americans (AFA), less common in Hispanic (HIS), and uncommon in Asian Pacific Islander (API) and Caucasian (CAU).



## Want to know the likelihood a donor is going to match your patient's typing?

**Populations**

<input checked="" type="checkbox"/> <b>AFA - African American</b> <input type="checkbox"/> AAFA - African American <input type="checkbox"/> AFB - African Black <input type="checkbox"/> CARB - Caribbean Black	<input type="checkbox"/> <b>API - Asian Pacific Islander</b> <input type="checkbox"/> AINDI - Asian Indian <input type="checkbox"/> FILII - Filipino <input type="checkbox"/> HAWI - Hawaiian <input type="checkbox"/> JAPI - Japanese	<input type="checkbox"/> KORI - Korean <input type="checkbox"/> NCHI - Northern Chinese <input type="checkbox"/> SCSEAI - South Central/SE Asian Indian <input type="checkbox"/> VIET - Vietnamese
<input type="checkbox"/> <b>CAU - Caucasian</b> <input type="checkbox"/> MENAFC - Middle Eastern/N African Coast <input type="checkbox"/> EURCAU - European Caucasian	<input type="checkbox"/> <b>HIS - Hispanic</b> <input type="checkbox"/> CARHIS - Caribbean Hispanic <input type="checkbox"/> MSWHIS - Mexican/South Western Hispanic <input type="checkbox"/> SCAHIS - South/Central American Hispanic	<input type="checkbox"/> <b>NAM - North American Indian</b> <input type="checkbox"/> AMIND - American Indian <input type="checkbox"/> CARIBI - Caribbean Indian

Select All Clear Populations

**Haplotype Loci**  
A~C~B~DRB1~DQB1

**HLA type**

Enter an HLA type:	HLA-A	HLA-B	HLA-C	HLA-DRB1	HLA-DQB1	HLA-DRB3	HLA-DRB4	HLA-DRB5
Type 1	02:XX	07:XX		11:XX				
Type 2	03:XX	07:XX		15:XX				

SUBMIT QUERY

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Select race group of the donor

Enter donor's typing

## Open up the **Unphased Genotypes (HLA type)** tab

HaploStats

NATIONAL MARROW DONOR PROGRAM BE THE MATCH

DISCLAIMER: The data available here are intended for research purposes only.

HLA Typing

Dataset: NMDP full 2011			Populations: AFA		Haplotype Lo	
A	B	C	DRB1	DQB1	DRB3	
02:XX	07:XX		11:XX			
03:XX	07:XX		15:XX			

▶ (A~C~B~DRB1~DQB1) Haplotypes

▶ (A~C~B~DRB1~DQB1) Phased Genotypes

▶ (A~C~B~DRB1~DQB1) Unphased Genotypes (HLA type)

Note- This displays the likelihood of each possible HLA type, and does not take haplotypes into consideration. All possible haplotypes that result in the same typing will be compiled to arrive at the likelihood, or percentage change of that specific HLA type being seen.

Scroll down until you find the typing you are looking for. In this case, this donor has less than a 1% chance of matching the patient typing (seen in the above example).

A*02:01+A*03:01 C*07:02+C*07:02 B*07:02+B*07:02 DRB1*11:01+DRB1*15:03 DQB1*03:01+DQB1*06:02	
3.199E-7	0.9%

The typing outcome with the highest likelihood is a DRB1 mismatch.

A*02:01+A*03:01 C*07:02+C*07:02 B*07:02+B*07:02 DRB1*11:01+DRB1*15:01 ← DQB1*03:01+DQB1*06:02	
4.478E-6	13.2%