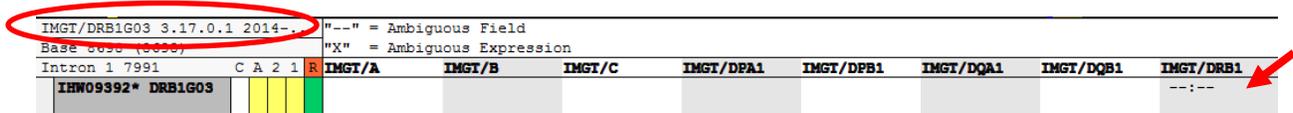


Dear TruSight® HLA customer,

We are writing to inform you that an update to the IMGT/HLA references for Conexio Assign™ for TruSight HLA are now available through the [TruSight HLA Support Page](#). This update is for version 1.0.0.729 or earlier. The following instructions demonstrate how to update the reference file.

1. Determine the version of references in use

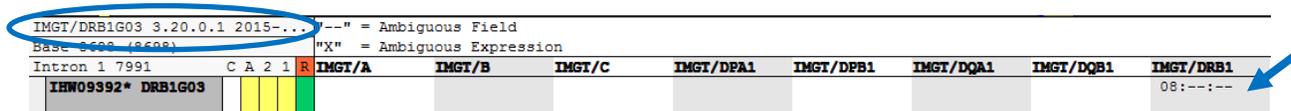
If you are using IMGT/HLA 3.17.0.1 2014 references, then an update exists for your references. To determine the version of references you are using, import the IHW09392 FASTQ files available from the [TruSight HLA Support Page](#) into Conexio Assign™. The reference number is listed at the top left hand portion of the UI (see red circle below).



IMGT/DRB1G03 3.17.0.1 2014-...		"-" = Ambiguous Field "X" = Ambiguous Expression							
Intron 1 7991	C A 2 1 R	IMGT/A	IMGT/B	IMGT/C	IMGT/DPA1	IMGT/DPB1	IMGT/DQA1	IMGT/DQB1	IMGT/DRB1
IHW09392* DRB1G03									---:--

Additionally, the genotype for DRB1G03 will be ambiguous (see red arrow above) if the reference needs updating.

If you are using the updated IMGT/HLA 3.20.0.1 2015 references and the genotype for DRB1G03 is listed as DRB1*08:---:--, then your references are up to date and the rest of this notification can be disregarded (blue circle and blue arrow below).



IMGT/DRB1G03 3.20.0.1 2015-...		"-" = Ambiguous Field "X" = Ambiguous Expression							
Intron 1 7991	C A 2 1 R	IMGT/A	IMGT/B	IMGT/C	IMGT/DPA1	IMGT/DPB1	IMGT/DQA1	IMGT/DQB1	IMGT/DRB1
IHW09392* DRB1G03									08:---:--

2. Update the IMGT references using the reference installer (if needed)

To install the updated IMGT reference in the software, we recommend the user download the new reference installer from the [TruSight HLA Support Page](#) and follow the instructions below.

1. Download IMGT_HLA_3.20.0.1_reference_installer.zip from the [TruSight HLA Support Page](#)
2. Unzip the file and launch the IMGT_HLA_3.20.0.1_reference_installer.exe file as an administrator.
3. Please validate your references using the validation instructions listed below.

To validate new references

1. Download the IHW09392 DRB1 FASTQ files from the [TruSight HLA Support Page](#).

2. Import the IHW09392 FASTQ files into the software. Confirm that the genotype listed for DRB1G03 is DRB1*08:--:-- and that the reference version listed in the user interface is IMGT/DRB1G03 3.20.0.1 (as displayed in the blue circle above).

Note that the only change made in this software package was an update to the IMGT/HLA references. No other changes were made to the software. Therefore, the software version is still listed as v1.0.0.729 but the references version in the software has been updated from IMGT/HLA 3.17.0.1 to IMGT/HLA 3.20.0.1.

Please contact Illumina Technical Support for any additional assistance.

Thank you,

Illumina HLA Team