

Technical Bulletin

December 22, 2009

Products Affected

Conexio Genomics Assign-SBT™ Software v3.5+ and higher

Summary

The reference files used by the Assign-SBT™ Software are updated to incorporate the latest releases from the IMGT library of HLA alleles. The reference files also contain information that Assign uses to determine the start and end points for analysis of sequence data. The start and end points are determined by the location of the PCR amplification primers. The region included for analysis must be consistent with the region defined by the primers.

Beginning with Assign library release 2.28, a new HLA-DRB1 reference file will be included which enables interrogation of the 1st Hypervariable Region (1HVR) in exon 2. This new reference file is named “EDRB1” to differentiate it from the standard “DRB1” reference file. The “DRB1” reference file should continue to be used for assays where the 5’ amplification primers are located in the 1HVR.

Please refer to the Procedure on the following page.

Procedure

1. Save the EDRB1.xml reference file in the following folder:

C:/Program Files/Conexio Genomics/Assign 351/data/references

2. To enable automated analysis against the EDRB1 reference you need to use an alias that links the sequence to the EDRB1 reference.

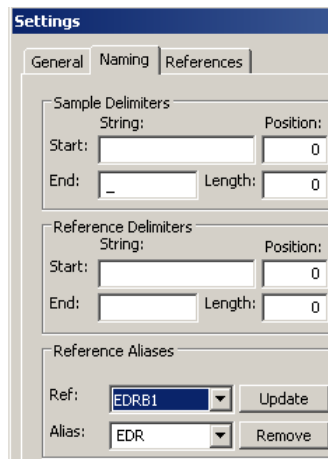
For example: If you are using DRB1 reagents that generate sequence data for the 1HVR, you need to analyse against the EDRB1 reference and should use a unique alias such as “EDR” in your sample sequence file names.

Example: **SampleName_EDR2F**

To define or modify your file naming convention in the Assign-SBT software, go to:

Edit>Settings>Naming

Under Reference Aliases, select EDRB1 and enter the alias used in your sample file naming convention to indicate that the sequence should be aligned to the extended exon 2 DRB1 reference (EDRB1).



Support

EDRB1 references for older versions of the IMGT database are available on request. If you have questions about this procedure, please contact your local distributor.