



MarkVCID Consortium sites are required to follow the minimum imaging analysis requirements described below. This applies to the testing of analysis packages used in the processing of biomarker data.

Inter-rater Testing Steps

Coding differences in underlying packages of operating systems can result in differences in the results of processing and analysis software tools. Therefore, we request that sites developing and distributing software packages perform tests in which the software is run on different operating systems using the same data.

While the differences are expected to be small,¹ they can be significant depending upon the application and it is important that the MarkVCID project have a measurement of their magnitude.

Software packages that run on a single operating system should perform these tests on common versions (e.g., Windows 10/7 or Ubuntu/Red Hat/Mac). The "standard" data set used in these tests should include at least 20 data sets.

In addition, sites issuing a new version of their software are expected to run comparison tests in which the same standard data is processed and analyzed using the old and new version.

Questions/Comments?

For policy, process & procedures: helmer@nmr.mgh.harvard.edu

For technical support: hsingh6@mgh.harvard.edu

¹ c.f. <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0038234>