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Testing protocol: Reporting

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Definitions

Purpose

To validate Reporting requirement of the Pharmacometrics TFL Generator app.

The app creates RTF output for all specified figures, tables, and listings

A prominent feature of the Pharmacometrics TFL Generator is the ability to create a report consisting of objects (TFL's) that have already undergone QC. A report consisting of one of each type of object will be created and will be checked to validate completeness as well as responsiveness to user defined ordering of TFL's.

The app creates an R script that can reproduce the analysis outside of the app

In addition to a report ready document, the Pharmacometrics TFL Generator generates an R script that allows the user complete reproducibility of the analysis, including the R packages used to developed the TFL. This step compares the output from the R script to the doc file generated in the previous step.

Testing procedures

Testing procedures are outlined in the attached testing document.

References and supporting documents

- Requirements document and overview: `tflgenerator_Requirements_R2.pdf`

Testing log

RID	Topic	Test ID	Step Description	Expected Result	Qualification Note(s)	Pass/Fail
35	The app creates RTF output for all specified figure, table, and listings	1	Load the attached validation template into the application (validation-template.R)	Template is loaded		
		2	Select ordering of objects to printed in TFL	Scrrenshot which RTF will be checked against		
		3	Generate the RTF and write the companion R script: In "Save and Export" select "Construct *.Doc" and "Reveal Function Text". In filename enter "validation" Press save	validation doc and R script are created		
		4	All objects are located in the RTF, and ordering respects that of the user	Yes. Attach the doc file		
36	The app creates an R script that can reproduce the analysis outside of the app	1	Using the R script created in step 35.3, run the file in R to recreate the RTF file. Verify that the RTF matches that generated in 35.3	Matches. Attach the doc file and R script.		