Rembrandt Data Refresh – Release 1.5.4

Summary Test Report

# Test Overview

## Executive Summary

This test report summarizes the system and regression testing efforts for the Rembrandt version 1.5.4 Data Refresh and following tasks were completed.

* Performed Private to Public switch (pt\_snp2.xls) data validation.
* Performed Private to Public switch (pt\_ge2.xls) data validation.
* Access database vs STAGE database validation performed for 206 samples. Test data collected from ONSTUDY table (Access database) and Clinical report from Rembrandt STAGE database excluding the samples from NIH pat report and then compared.
* A total of 77 test cases were written to test the Rembrandt version 1.5.4 application against the functional requirements.
* QA Team executed all 77 tests and no issues found.
* Currently, there are no unresolved issues and no feature requests were recorded generated by system test. A listing of the SCRs found during system testing can be found in Requirement Traceability matrix.

## Scope

This document is the Test Evaluation Summary for Rembrandt version 1.5.4 Data Refresh. It compares the planned testing strategy and approach to the actual strategy and execution that QA Team used to validate the quality of this product prior to release.

The focus of Rembrandt version 1.5.4 Data Refresh as follows:

|  |  |  |
| --- | --- | --- |
| **GForge ID** | **Description** | **Status** |
| 22351 | New clinical data update for Rembrandt | Closed |
| 24218 | * Add new 48 samples received as Access DB. * Update the clinical data for Henry Ford and GMDI reviewed by NIH pathologists for 264 samples the disease and/or grade diagnosis. * Update the private to Public switch for samples. | Closed |

# Summary of Results

## Testing Approach

Automated the data validation process using QuickTest Professional. This script validated the Sample ID, Diagnosis for Access database Vs Oracle database and validated Private o Public switch data.

The QA Team developed test cases in Microsoft Excel and is stored in SVN in the following location.

“*https://gforge.nci.nih.gov/svnroot/caintegrator/caintegrator-spec/trunk/docs/caIntegrator/Test%20Plans/*[*Rembrandt\_Testcases\_1\_5\_4.xls*](https://gforge.nci.nih.gov/svnroot/caintegrator/caintegrator-spec/trunk/docs/caIntegrator/Test%20Plans/Rembrandt_Testcases_1_5_4.xls)”. The test cases were executed to ensure the Rembrandt version 1.5.4 software was functional and no existing issues.

## Risk

The QA team verified all results by validating Database and GUI screens, using TOAD to query database tables and fields, viewing processing reports and matching actual results with the expected results specified in the test cases.

At the completion of the testing phases, QA team reviewed, and as required, updated the test cases.

## Testing Results

System testing was conducted in STAGE environment to ensure Data Refresh complied with the documented feature requests and derived database update. The results of the testing under each defined grouping of the test cases are attached.

|  |  |
| --- | --- |
| **Rembrandt Test Results Summary** | |
|  |  |
| **Test Date:** | 11/05/2009 to 11/09/2009 |
| **Test Tier:** | STAGE |
| **Build Number:** | Release 1.5.4 |
| **Test Platform:** | Windows XP/Firefox-Internet Explorer |

| **Test Case Number** | **Test Case Name** | **Test Results** | **Fire Fox** | **IE** |
| --- | --- | --- | --- | --- |
| 1 | Homepage | Pass | Yes | Yes |
| 2 | RembrandtUserListServe | Pass | Yes | Yes |
| 3 | LoginUser | Pass | Yes | Yes |
| 4 | Register\_newuser | Pass | Yes | Yes |
| 5 | SimpleSearch\_GE\_wildcard | Pass | Yes | Yes |
| 6 | SimpleSearch\_GE\_symbol | Pass | Yes | Yes |
| 7 | SimpleSearch\_KM\_GE\_wildcard | Pass | Yes | Yes |
| 8 | SimpleSearch\_KM\_GE\_symbol | Pass | Yes | Yes |
| 9 | SimlpleSearch\_KM\_CN\_symbol | Pass | Yes | Yes |
| 10 | SimpleSearch\_KM\_CN\_wildcard | Pass | Yes | Yes |
| 11 | SimpleSearch\_KM\_CN\_SNP | Pass - "all samples" option is needed | Yes | Yes |
| 12 | KM\_samplebased | Pass | Yes | Yes |
| 13 | GE\_GeneSymbol | Pass | Yes | Yes |
| 14 | GE\_GeneSymbol(My Workspace) | Pass | Yes | Yes |
| 15 | GE\_LL | Pass | Yes | Yes |
| 16 | GE\_LL\_(My Workspace) | Pass | Yes | Yes |
| 17 | GE\_AccNo | Pass | Yes | Yes |
| 18 | GE\_AccNo(My Workspace) | Pass | Yes | Yes |
| 19 | GE\_AllGene | Pass | Yes | Yes |
| 20 | GE\_Chr\_cytoband | Pass | Yes | Yes |
| 21 | GE\_Chr\_Physi\_Loc | Pass | Yes | Yes |
| 22 | GE\_Chr\_BasePair | Pass | Yes | Yes |
| 23 | GE\_CloneId&ProbesetId | Pass | Yes | Yes |
| 24 | GO Classification | Pass | Yes | Yes |
| 25 | GE\_caBIOPtw | Pass | Yes | Yes |
| 26 | GE\_KeggPtw | Pass | Yes | Yes |
| 27 | GE\_DiseaseType | Pass | Yes | Yes |
| 28 | GE\_FoldChange | Pass | Yes | Yes |
| 29 | CN\_geneSymbol | Pass | Yes | Yes |
| 30 | CN\_gene\_list | Pass | Yes | Yes |
| 31 | CN\_LL | Pass | Yes | Yes |
| 32 | CN\_Webgenome | Pass | Yes | Yes |
| 33 | CN\_LL\_List | Pass | Yes | Yes |
| 34 | CN\_Acc | Pass | Yes | Yes |
| 35 | CN\_Acc\_List | Pass | Yes | Yes |
| 36 | CN\_All\_gene | Pass | Yes | Yes |
| 37 | CN\_Chr\_cytoband | Pass | Yes | Yes |
| 38 | CN\_Chr\_Physi\_Loc | Pass | Yes | Yes |
| 39 | CN\_dbSNP | Pass | Yes | Yes |
| 40 | CN\_dbSNP\_List | Pass | Yes | Yes |
| 41 | CN\_ProbeSetId | Pass | Yes | Yes |
| 42 | CN\_Probeset\_List | Pass | Yes | Yes |
| 43 | CN\_SampleIDs\_List | Pass | Yes | Yes |
| 44 | CN\_SampleIDs | Pass | Yes | Yes |
| 45 | CN\_DiseaseType | Pass | Yes | Yes |
| 46 | CN\_CopyChange | Pass | Yes | Yes |
| 47 | Clinical\_Age | Pass | Yes | Yes |
| 48 | Clinical\_Gender | Pass | Yes | Yes |
| 49 | Clinical\_Race | Pass | Yes | Yes |
| 50 | Clinical\_SurvivalRange | Pass | Yes | Yes |
| 51 | Clinical\_SampleID | Pass | Yes | Yes |
| 52 | Clinical\_Evaluation | Pass | Yes | Yes |
| 53 | Clinical\_DiseaseType | Pass | Yes | Yes |
| 54 | Clinical\_PriorTherapy | Pass | Yes | Yes |
| 55 | Clinical\_OnStudyTherapy | Pass | Yes | Yes |
| 56 | GenePattern | Pass | Yes | Yes |
| 57 | HOA\_CCA\_Default\_1 | Pass | Yes | Yes |
| 58 | HOA\_CCA\_Default\_2 | Pass | Yes | Yes |
| 59 | HOA\_CCA\_Adv\_1 | Pass | Yes | Yes |
| 60 | HOA\_CCA\_Adv\_2 | Pass | Yes | Yes |
| 61 | CCA\_ResultPage | Pass | Yes | Yes |
| 62 | CCA\_FC\_Neg | Pass | Yes | Yes |
| 63 | CCA\_T\_F\_Wilcoxin | Pass | Yes | Yes |
| 64 | HOA\_PCA\_default | Pass | Yes | Yes |
| 65 | HOA\_PCA\_adv | Pass | Yes | Yes |
| 66 | HOA\_HCA\_default | Pass | Yes | Yes |
| 67 | HOA\_HCA\_adv | Pass | Yes | Yes |
| 68 | HOA\_SD\_GP | Pass | Yes | Yes |
| 69 | HOA\_GT\_GP | Pass | Yes | Yes |
| 70 | Finalize\_Page\_GE\_Query | Pass | Yes | Yes |
| 71 | multiSpecimen | Pass | Yes | Yes |
| 72 | Download tab | Pass | Yes | Yes |
| 73 | Logout Screen | Pass | Yes | Yes |
| 74 | HENRY\_FORD\_USER | Pass | Yes | Yes |
| 75 | TJU\_USER | Pass | Yes | Yes |
| 76 | HENRY\_FORD\_USER/TJU\_ISER | Pass | Yes | Yes |
| 77 | PUBLIC\_USER | Pass | Yes | Yes |