

Monthly Status Report

caBIG Q5 Project

August 2005

1. Statement of Progress

During August, Dartmouth/NCCC members of the Q5 Team communicated with OHSU and Duke, as well as held internal meetings to discuss project updates. Rich Haney at Duke made a presentation about the issues he dealt with integrating Q5 into RProteomics.

2. Progress Description

Task 1: Project Management

Major Accomplishments:

- Internal meetings/communications for project updates
- Communications with OHSU

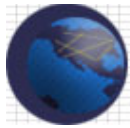
Activities Planned for next month

- Internal meetings and meetings with OHSU to continue Q5 progress
- Possible teleconference between Duke, OHSU and Dartmouth to discuss further the integration issues of Q5 into RProteomics, schedules permitting.

Task 2: Project Activities

Major Accomplishments:

- Good progress made on document reviews and revisions for Test Plan and Approach documents and the final Requirements and Specifications document.
- A critical question has arisen about how Q5, which was developed for use with SELDI datasets, could be used with MALDI datasets with their higher resolution and increased size. The discussions have turned on the fact that this is an issue that is outside the scope of the Q5 project and so will need to be dealt with using pre-processing available in RProteomics.
- There has developed a general agreement that Q5 is an analytical tool and not a service; this will mean that caGRID-enabling Q5 will not be an issue.

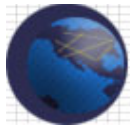


Activities Planned for next month

- Compile and submit September Project Monthly Status Report.
- Finalize Requirements and Specifications document as well as the Test Approach and Test plan documents.
- Contact V/CDE mentor to discuss the CDE's and UML classes (if any) needed by Q5 since it is a tool and not a service.

3. Issues and Risks

Risk/Issue	Mitigation	Status
Slippage in meeting milestones.	Clarify and resolve any reasons for such slippage; reschedule deadlines.	Ongoing
There is a lack of data for OHSU and Dartmouth to use to validate Q5.	Pursue other sources; Vanderbilt (David Carbone) is one suggested by Dave Jewell. OHSU will be producing their own prostate data that will be available in the Fall.	Open
MALDI-TOF data may have far too many features measured compared to samples for Q5 to work at all. Q5 was developed and validated with SELDI data where this was not an issue.	Make Pre-processing by user a prior requirement of using Q5.	Open
MALDI-TOF datasets may be so large that there may be memory issues even without the algorithm-limiting issues mentioned above and the use of 64-bit machines.	Make Pre-processing by user a prior requirement of using Q5.	Open



Submitted by:

Bernard Cole

Signature

December 8, 2005

Date

Bernard F. Cole, PhD

Name (please print)

Associate Professor/NCCC Dartmouth

Title/Organization