Monthly Status Report

caBIG Q5 Project

September 2005

1. Statement of Progress

During September, Dartmouth/NCCC members of the Q5 Team communicated with OHSU and Duke, as well as held internal meetings to discuss project updates. Paul and Juli Klemm had a very productive teleconference during which the status of the project and its milestones were reviewed.   As a result, further review of some documents will be arranged as will an online demo of Q5 in order to have submitted milestones approved for invoicing.

2. Progress Description

Task 1: Project Management

Major Accomplishments:

- Internal meetings/communications for project updates
- Communications with OHSU
- Teleconference between Paul and Juli Klemm during which several Project Management issues were clarified:
    o The Requirements and Specifications document will need to be reviewed and approved by members of V/CDE and Architecture before being approved by Juli for invoicing. This mechanism had not been explicitly stated previously.
    o Juli will need to see a demo of Q5 in order to recommend that the code migration from Matlab to R (Task 2.4) and the implementation of full source code in R, including user interface and an application programming interface (Task 2.10) be approved for invoicing.
    o The LIMS was discussed as to whether Task 2.6.4, allowing interoperability with the proteomics LIMS, made any sense given that Fox Chase will not be developing a proteomics LIMS until the second year of their work. A teleconference with Paul, Juli and Dave Jewell will be set up to explore this further.

Activities Planned for next month

- Internal meetings and meetings with OHSU to continue Q5 progress
- Get missing reports written and submitted.

Task 2: Project Activities
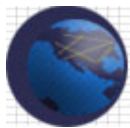
Major Accomplishments:

- Due to travel by many of the team members this month there was only one teleconference but email correspondence continued to keep the project moving forward.
- Shannon reported that although the datasets from Vanderbilt are not coming yet (see meeting notes for more detailed information) she has pursued two backup sources of data so that we can get an "apples to apples" comparison of the developer and adopter environments.

Activities Planned for next month

- Compile and submit October Project Monthly Status Report.
- Arrange for review of the Requirements and Specifications document by the V/CDE and Architecture Cross Cutting WS mentors.
- Arrange for a demo of Q5 for Juli Klemm as a code review in order to have the milestone approved by caBIG.
- Discuss caLIMS implementation as a Task with Paul, Dave and Juli-still of any value or not? And if Fox Chase is not doing a proteomics LIMS, what does the Task really mean?

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. Vanderbilt data is not forthcoming. This is becoming a more serious issue as time goes on.	Shannon will pursue other sources. In addition, OHSU will be producing their own prostate data that will be available in the October.	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.	Pre Processing of datasets using RProteomics tools of which OHSU is aware. Outside scope of this project.	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.	Pre Processing of datasets using RProteomics tools of which OHSU is aware. Outside scope of this project.	Open

Submitted by:

_____   December 8, 2005_____
Signature   Date

Bernard F. Cole, PhD_____
Name (please print)

Associate Professor/NCCC Dartmouth_____
Title/Organization