Monthly Status Report

Q5 project

October 2005

1. Statement of Progress

Discussion with Dartmouth about testing strategy for Q5.

Plans to Dartmouth about visit to Adopter Site started.

Progress on Prostate Cancer Dataset by OHSU proteomics core being made; samples have been processed and data should be available by November.

MALDI Dataset from Vanderbilt obtained and distributed to Dartmouth.

First iteration of original Petricoin SELDI dataset through RProteomics statistical routines started; performance of denoising and background subtraction algorithms evaluated.

2. Progress Description

Task 1.3: Regular communications to share project information

Major Accomplishments:

- October 10: Meet with Dartmouth to discuss current data status and Dartmouth's Test Plan document
- October 31: Meet with Dartmouth to discuss site visit, current data status, and demonstration of current Q5 code

Activities Planned for next month

- Finalize plans for Dartmouth to visit OHSU
- Discuss Current Test Plan Document
- Discuss Requirements and Specifications Document
- Discuss current revision of Q5 code

Task 2.6: Develop a test plan for caBIG Q5 that outlines how the software will be measured against the documented requirements

Major Accomplishments:

- Obtained public MALDI dataset from Vanderbilt
- Obtained MALDI dataset from Duke
- OHSU's MALDI dataset samples processed

Activities Planned for next month

Meeting with Dartmouth to discuss tests

Task 2.7: Test Q5 code that has been ported from Matlab to R

Major Accomplishments:

- Discussion with Dartmouth about data reduction strategies for MALDI data; Dartmouth with attempt to run data using
- Current iteration of Petricoin SELDI data ran through RProteomics, with an eye to evaluate effects of Background Removal and Denoising algorithms on data
- Vanderbilt MALDI data transformed in order to put through RProteomics pipeline

Activities Planned for next month

Finish processing of SELDI data; run reduced dataset through Q5 and compare performance. Start processing Vanderbilt MALDI data through RProteomics in order to run Q5.

3. Issues and Risks

[Describe risks identified during the month along with mitigation strategies and status.]
None

Submitted by:

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