



Monthly Status Report

Q5 project

February 2006

1. Statement of Progress

Comparison testing of version 2.0 of R-port of Q5 to Matlab finished and results presented to Dartmouth. R-Q5 clearly did not perform as well as original Matlab implementation.

Following presentation, provided preprocessed synthetic data along with testing framework to Dartmouth.

Comparison testing of new version (3.0) of R-port of Q5 finished and results presented to Dartmouth. New version performs on par with original.

API and User Interface testing finished.

mzXML Compatibility testing finished.

Deployment Testing started.

Signed off on Deployment plan from Dartmouth.

2. Progress Description

Task 1.3: Regular communications to share project information

Major Accomplishments:

- February 7, 2006 - Meeting with Dartmouth to discuss preprocessing of data
- February 14, 2006 - Meeting with Dartmouth to discuss results of comparison testing of version 2.0 of R-Port to Matlab implementation and Support Vector Machine

Activities Planned for next month

- Discussion of Developers results with Adopter data

Task 2.5 – Review Developer’s Test Approach Document

Major Accomplishments:

- Reviewed and approved Developer’s Test approach document

Activities Planned for next month

- None

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

Major Accomplishments:

- Comparison testing of R port of Q5 2.0 started and finished. Results were compared to performance of original Matlab version and Support Vector Machine. Results presented to Dartmouth. Q5 2.0 did not perform as well as original Matlab implementation.
- Following presentation of test results, provided Dartmouth with preprocessed data used in testing along with testing framework. Detailed instructions were written on usage of framework and loading of dataset.
- Comparison testing of new version of R Port of Q5 (3.0) finished. Version 3.0 performs on par with original Matlab version

Activities Planned for next month

- None

Task 2.8 – Test Q5 code that has been updated to incorporate standards for proteomics studies

Major Accomplishments:

- mzXML compatibility results submitted.

Activities Planned for next month

- None

Task 2.9 – Test the user interface and API for fully implemented caBIG Q5

Major Accomplishments:

- API and User Interface Testing finished on Q5 version 3.0

Activities Planned for next month

- None

Task 2.10 - Approve the on-site deployment of caBIG Q5

Major Accomplishments:

- Deployment document signed off and approved

Activities Planned for next month

None

Task 2.11 – Test the on-site deployed version of caBIG Q5

Major Accomplishments:

- Deployment testing started

Activities Planned for next month

None

3. Issues and Risks

[Describe risks identified during the month along with mitigation strategies and status.]

None

Submitted by:

Ted Laderas _____
Signature

3/8/05 _____
Date



Name (please print)

Technical Lead, Oregon Health & Science University _____
Title/Organization