



Summary of the MAQC February-09-2006 Teleconference

The MAQC Project: Calibrated RNA Samples, Reference Datasets, and QC Metrics/Thresholds for Microarray Quality Control

Teleconference Date: February 09, 2006 (9 am PST/11 am CST/12 pm EST/17:00 GMT)
Summary Date: February 19, 2006
Author: Leming Shi, +1-870-543-7387, Leming.Shi@fda.hhs.gov
MAQC Website: <http://edkb.fda.gov/MAQC/>

- 1. Boston Meeting Briefing** (Rick Jensen and Leming Shi): The MAQC group acknowledged Rick and his staff at UMass Boston for excellently organizing and successfully running this event. We made progress during the meeting as there was more “convergence” on narrowing the scope of analysis. The most important thing is that our momentum has been maintained (and even accelerated). Each manuscript team has been working hard according to the firm timelines.
- 2. Handling Absent Calls and Offset Values** (Leming Shi): As was agreed during Boston meeting, each platform provider was given a last chance of providing instructions to analysis sites on handling its data including flags, control probes, offset values, *etc.*. These instructions will be distributed at the MAQC data download site as soon as possible.
- 3. One-One Sequence-mapping Table:** The MAQC group appreciated the effort of the NCBI team (Jean, Danielle, and Damir) in creating a comprehensive probe sequence mapping table with different categories of mapping quality. However, data analysis sites expressed strong desire of creating a simple, one-one mapping table so that an overview of cross-platform comparability can be easily obtained. 3'-closeness has been proposed as the major criterion to pick one probe (probe set) from multiple perfect matches. Rick agreed to parse the main mapping file to create a 1-1 table.
- 4. Continuing Data Analysis** (Leming Shi): While we are waiting for manufacturers' final instructions on handling flags/offset values and the final mapping file, each analysis site should go ahead with the types of its favorite analyses that might be useful for the manuscript(s). The final version of figures/tables would be prepared later by following manufacturers' final instructions and using the final mapping file.
- 5. GEH_2 Data** (Rick Jensen and Rich Shippy): Rick and Rich briefed the group of a severe deviation of GEH_2 from GEH-recommended protocols for the MAQC study (*e.g.*, the use of a wrong dye and washing buffer). GEH_2 planned to re-run the 20 arrays and asked the MAQC group to accept its new data for final data analysis.
- 6. MS-8 Team (Titration) Was Formed** (Rich Shippy): Those interested in contributing to this work should contact Rich directly (Richard.Shippy@ge.com).

Next Teleconference:

Thursday, February 23, 2006 (9 am PST / 11 am CST / 12 pm EST / 17:00 GMT)
USA Toll Free Number: **888-566-5020**; International caller: +1-210-795-9594
PASSCODE: **79451**