Reviewer's report

Title: An integrated analysis of genes and pathways exhibiting metabolic differences between estrogen receptor positive breast cancer cells

Version: 3 Date: 24 April 2007

Reviewer: Steven Van Laere

Reviewer's report:

The authors have complied with most of the remarks.

------------------------------------------------------------------------------------------------------------------

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

------------------------------------------------------------------------------------------------------------------

I still would like to see if the results described in this manuscript are valid when using microarray data from human samples. For example, compare luminal A with luminal B and basal-like breast tumours with respect to the identified pathways. One can easily obtain a publically available genome wide gene expression data set, identify the cell-of-origin subtypes and perform a global test or gene set enrichment analysis for the groups of genes described in this paper on this data set. This analysis would make this manuscript more easily translateable into human breast cancer biology.

The discussion should include consideration of the validity of the findings and limitations of the study, and what the authors consider to be the significance of the findings.

------------------------------------------------------------------------------------------------------------------

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after minor essential revisions

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.