Reviewer's report

Title: The balance between two isoforms of LEF-1 is a regulator in the growth of colon carcinoma

Version: 4 Date: 8 February 2012

Reviewer: Andrew Quest

Reviewer's report:

As indicated previously, the authors addressed many of my previous comments in a satisfactory fashion with the exception of those concerning Figures 2 and 6. In this second revision these points were addressed again.

Previous review: The authors responded that they had quantified the flow cytometry data and observed significant increases in G0/G1. However, my question related to the SUB G0/G1 population that would be expected since it is indicative of apoptosis. Accumulation in G0/G1 alone is more indicative of cell cycle arrest.

The authors now provide a possible explanation that should be included in the discussion.

With respect to Figure 6, I commented that the authors should evaluate whether reduced tumor vascularization observed for cells expressing the LEF-1-dL variant is also significantly reduced in tumors of the same size.

The authors did this analysis and found differences that were not statistically significant. This is now stated in the manuscript. However, with this finding, the consequence of changes in expression of Lef-1 variants in vivo remains unclear.

The title was changed but is not readily understandable as is.

The balance between two isoforms of LEF-1 is a regulator in the growth of colon carcinoma

Should perhaps be changed to

The balance between two isoforms of LEF-1 regulates colon carcinoma growth

Sections added to this manuscript need to be revised by a native English speaker

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a
statistician.

Declaration of competing interests:

no competing interests