Reviewer's report

Title: Hsa-miR-125a-3p and hsa-miR-125a-5p are downregulated in non-small cell lung cancer and have inverse effects on invasion and migration of lung cancer cells.

Version: 4 Date: 4 May 2010

Reviewer: Andreas Keller

Reviewer's report:

1) The following part comes from the revision letter of the authors:

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2. In the results section authors state that levels "decreased almost in all NSCLCs"? Please give the correct numbers as well as specificity and sensitivity maybe also with AUC values.

The details and correct numbers have been added to the revised manuscript and marked in blue.

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However, I still can not find the specificity and sensitivity of the miRNAs as well as the AUCs.

2) For association between expression and pathological stage, WMW test has been applied, 5 lines below for lymph node metastasis the fisher’s exact test. This may be misleading and should be commented by the authors.