Reviewer’s report

Title: MicroRNA profiling of diverse endothelial cell types

Version: 3 Date: 29 August 2011

Reviewer: Hanjoong Jo

Reviewer’s report:

This is potentially interesting, but preliminary data.

Major Compulsory Revisions:

a. Limited sample numbers: Essentially single RNA samples obtained from individual ECs were used in duplicate gene array analysis. At minimum three independent biological replicates are needed for meaningful and statistically analyzable data. This is the most significant weakness of this manuscript.

b. Missing controls in Fig. 2: Add EC markers such as PECAM-1 to support the in situ data.

c. There is no legend for Figure 4D, which is not clear how the data were derived.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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

Declaration of competing interests:

I declare that I have no competing interests.