Reviewer's report

Title: Gene Expression Profiling Identifies Inflammation and Angiogenesis as Distinguishing Features of Canine Hemangiosarcoma

Version: 1 Date: 10 July 2010

Reviewer: Nikolai Daraselia

Reviewer's report:

The paper describes mutation analysis of VHL and Ras gene families and expression profiling of canine hemangiosarcoma. No mutations of either VHL or Ras genes were found in any of the hemangiosarcoma samples. Expression analysis revealed 30 genes differentially expressed between hemangiosarcoma and splenic hematoma. These 30 genes also separated hemangiosarcoma from osteosarcoma, non-Hodgkin lymphoma and leukemia samples. Enrichment analysis using GSEA showed enrichment of 2 hypoxia pathways with differentially expressed genes.

I believe the paper is of interest to researchers working in the field of Canine oncology provided that the data will be maid available through NCBI GEO.

There is a typo: “was estimated was estimated” on the page 12

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.

Declaration of competing interests:

I declare that I have no competing interests