Reviewer's report

**Title:** Implications of a RAD54L polymorphism (2290C/T) in human meningiomas as a risk factor and/or a genetic marker

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**Reviewer:** Dr Marc Sanson

**Level of interest:** not specified

**Advice on publication:** Other (see below)

Rad54L has been proposed as a candidate tumor suppressor gene on 1p32 but no mutation were found in meningiomas. Interestingly an unfrequent polymorphism of Rad54L (2290C/T) is reported here to be significantly more frequent in patients with meningioma as compared to a control population. However this is a silent polymorphism. Therefore one may have some doubt about the reality of the conclusion. A second, ancillary aspect of this paper is that the frequent LOH of 2290C/T allowed to narrow the minimal deleted region in meningiomas.

In conclusion this is an interesting, original but intriguing result that need to be confirmed.

**Competing interests:**

None declared.