Reviewer’s report

Title: Pregnane X receptor is expressed in human breast carcinomas. Potential heterodimer formation between PXR and RXR-alpha

Version: 3 Date: 1 May 2008

Reviewer: Yasuhiro Miki

Reviewer’s report:

Major Points
In this manuscript, the authors still confuse SXR with PXR (ex. Page3. 1st paragraph). The author should distinguish SXR reports and PXR reports in the sections of Introduction and Discussion.

The authors described that “Previous reports have shown that the level of hPXR mRNA did not differ between breast tumours and their adjacent matched normal breast tissues; however, among different breast tumour types the expression of hPXR mRNA is diverse.” in introduction. It is already reported the expression of SXR protein in human breast normal/disorders including ADH, DCIS, and IDC. The authors should respect and quote past reports.

Minor Points
- Tables “Fisher’s exact test”: I think there were no descriptions about this statistical method. The authors should reaffirm statistics processing (including significant differences by ANOVA).
- Page 8, line 12: Fischer’s into Fisher’s
- Ref #18: Expresión into Expression

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.