Reviewer's report

**Title:** Full-length analysis of single-nucleotide polymorphisms (SNPs) in human CYP3A4 and CYP3A5 genes: potential implications for the metabolism of HIV drugs

**Version:** 1  **Date:** 5 May 2014

**Reviewer:** Margalida Rotger

**Reviewer's report:**

**Major revisions**

The manuscript by Berno et al. described a PCR followed by sequencing to identify SNPs in CYP3A4 and 3A5. They validated the method in 20 HIV+ patients treated with LPV. The strength of this work is that the authors designed they own primers. However, this is not new since in the literature other authors have already designed primer for PCR and sequencing CYP3A4 and 3A5. The all manuscript should be rewritten removing the terms “novel” or “new”. They also studied the effect of the SNPs on LPV response; however the sample size is too small to have conclusive results.

The title and methods are misleading; it is not a full-length analysis since the authors did not sequence the whole CYP3A4 and 3A5 genes. They sequenced the exons and the intron boundaries. Please change it.

**Level of interest:** An article of limited interest

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.