Reviewer's report

Title: Predictive factors of virological success to salvage regimens in HIV-1 infected children

Version: Date: 30 January 2007

Reviewer: Gene D Morse

Reviewer's report:

General
The authors report on 33 children and their response to salvage regimens. The manuscript is concise and well written.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)
1. There is no mention of medication adherence with regard to treatment failure.
2. The Methods indicate that baseline genotype and phenotype data were available when the salvage regimens were selected. Does this mean that the prescribers were selected subpotent regimens? It is difficult to address this with the data presented because only the PIs in the salvage regimen were provided.
3. Were there any other factors (e.g., pharmacokinetic, drug interactions, body size etc...) that could have been a factor in regimen failure?
4. With the factors identified, the authors may want to conduct a power calculation to identify the number of patients that would be required to confirm their list of contributing factors for failure.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after minor essential revisions

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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

Declaration of competing interests:
I declare that I have no competing interests.