Reviewer's report

Title: Significance of the parkin and PINK1 gene in Jordanian families with incidences of young-onset and juvenile parkinsonism

Version: 2 Date: 25 September 2008

Reviewer: Jörg Epplen

Reviewer's report:

General:
I congratulate these authors on their experimental findings, allowing much deeper insight(s) into the subject than would have been possible via the first version of their submission.

Minor essential revisions:
Please ask a colleague fluent in scientific English to correct minor flaws. The manuscript is rather full of inconsistencies, grammatical errors etc. The discussion section is rather long, reiterating the results over again. Some interpretations cannot be understood by this reviewer due to the quality of the write-up. Most of the conclusion part does not conclude but fall under the 'da capo' category. The deletion of family 4 might well involve a more complex rearrangement.

Parts of fig. 4 have been torn horizontally, others vertically.

Selected examples from the summary, introductory and results’ sections:
...genetic mutations in the parkin and PINK1 gene(s).
...results further extend the involvement of PINK1....
...chosen to present nearly full distribution of substitutions observed.
'In' six families 'there' were carriers of...
Family H had repeatedly ...
...observed only in affected of family F.
Legend to fig 1, lines 1, 2: 1st 'degree' cousin (2X), 3rd degree cousin
...or a more rare (?) double recombination...

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

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.

**Declaration of competing interests:**

I declare that I have no competing interests