Reviewer's report

Title: Allele-specific polymerase chain reaction for the detection of Alzheimer's disease-related single nucleotide polymorphisms.

Version: 1 Date: 26 November 2012

Reviewer: Maria Fuciarelli

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The present manuscript provides methodologies to analyze SNPs in genes significantly associated with AD. I think that this manuscript did not provide any improvement in the knowledges of Alzheimer’s disease. Indeed, several studies have highlighted that these genetic variants are significantly associated with AD but they did not have any clinical relevance as diagnostic tool. Furthermore, these methodologies are based on old techniques (allele-specific PCR). To date technological developments are continuously increasing and genetic analyses tend to analyze large portion of human genome. Therefore the proposed approaches are obsolete.

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal

Quality of written English: Not suitable for publication unless extensively edited

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