To the editor,

Emerging of the Western Africa Ebola 2014 becomes the worldwide concern at present[1,2]. This outbreak is a very serious epidemic in medical history with rapid expansion and results in many deaths. The management of the patients is nearly hopeless due to lack of drug and vaccine. To create a new vaccine is the hope and the knowledge on the epitope within virus molecule is the basic requirement. Here, the author report the preliminary assessment to find B cell epitopes with in VP40 of Ebola virus. VP40 is the protein within Ebola virus that is reported for the highest reaction with sera[3]. Here, the author uses standard immunomics technique for analysis of B cell epitopes on available standard Ebola virus envelop VP40 (Accession: Q05128.1). The details of immunomics method can be seen in the protocol published in the referencing work by Wiwanitkit[4]. The method is also used for B cell epitope finding for other vaccine developments[5]. According to the analysis, the peptide 9APPEYMEAIYP20 poses the highest B cell epitope property.

This report can be useful for further development of vaccine against the present Ebola threaten.

Conflict of interest statement

I declare that I have no conflict of interest.

References