Reviewer's report

Title: KIR3DS1/L1 and HLA-Bw4-80I affect HIV disease progression among HIV typical progressors and long-term nonprogressors

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Reviewer: Tao Dong

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This manuscript by Jiang et al performed KIR and HLA genotype analysis and determined their association with HIV disease outcome by comparing two relative large cohorts (long term none progressor and Typical Progressor) in China. Firstly, the authors confirmed strong KIR3DS1/HLA-Bw4-80I association with slow disease progression, previously observed in Western cohorts. Secondly, they showed KIR3DS1 expression at mRNA level was also associated with a protective effect while KIR3DL1 mRNA expression was associated with rapid disease progression. Overall, the study was well performed and the data analysis was appropriately done. The association between level of KIR3DS1 and 3DL1 expression at mRNA level and outcome of disease in chronic HIV infection is particular interesting, meriting further investigation.

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

Quality of written English: Acceptable

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

Declaration of competing interests:

no