Author's response to reviews

Title: Characterisation and analysis of thioredoxin peroxidase as a potential antigen for the serodiagnosis of sarcoptic mange in rabbits by dot-ELISA

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Author's response to reviews: see over
Dear Editor,

We submit the attached manuscript entitled “Characterisation and analysis of thioredoxin peroxidase as a potential antigen for the serodiagnosis of sarcoptic mange in rabbits by dot-ELISA” to be considered for publication as a Research Article in the *BMC Infectious Diseases*.

In this study, we develop a dot-ELISA for the serodiagnosis of scabies by using recombinant thioredoxin peroxidase (TPx) protein and perform characterisation and immunolocalisation of thioredoxin peroxidase of *Sarcoptes scabiei* (SsTPx). Our study shows that the purified SsTPx is a highly sensitive antigen for the diagnosis of scabies infection by dot-ELISA. This technique represents a rapid and convenient method for the clinical diagnosis of scabies in rabbits and may be suitable for development of as a diagnostic tool in humans in the developing world.

All authors have reviewed the final version of the manuscript and approve it for publication. This manuscript has not been published in whole or in part nor is it being considered for publication elsewhere. The authors have no conflicts of interest to declare.

In advance of submission, we had this manuscript copyedited by a professional English editing service that specializes in scientific papers.

Thank you very much for your considering our manuscript for potential publication. I'm looking forward to hearing from you soon.

Sincerely yours,

Guangyou Yang
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Statement: each author has read the manuscript and accepted responsibility for its contents.

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Quwu Jise : Quwu Jise
Xuhang Wu : Xuhang Wu
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