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CERTIFICATE

We certificate to whom it may concern that the manuscript “PLANT POPULATION AND COMPETITION BOUNDARIES FOR THE COMMON BEAN “BRS ÁRTICO” WITH WHITE GRAINS” by *Pedro Marques da Silveira* was translated by the SAP TRADUÇÕES team. We also certificate for appropriate purposes the English language proficiency of *Priscila P. A. Murolo* through certificates from the University of London and Cambridge University.

Yours faithfully,

Priscila P. A. Murolo

October 11, 2016.