

**Genetics May (2018OA)**  
**Author query sheet Wang (GEN\_300673)**

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Additionally, the overbar template was not used correctly within MathType per SG, these have been changed where needed.
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- 9** Please verify meaning is retained after edits to the sentence “*t* was further modeled by...”
- 10** Please verify that the use of “MCMC” is correct in the sentence “The MLE method made a point. . .,” as the previous sentence specified an HMC method.
- 11** Please note that both “COL-IV” and “Col-IV” appear in the article, these have been retained as in the original manuscript, please indicate which is correct if applicable.
- 12** “PBT” has been expanded as “PBS/Tween 20” in the sentence “Anti-Col-IV was diluted in 0.5%...,” please verify if this is correct.
- 13** Please verify meaning is retained after edits to the sentence “Of the top 55 variants...”
- 14** Please verify that “LD” has been correctly defined as “linkage disequilibrium” in the sentence “...rs140233081 and rs149372995 are in linkage...”

- [15] Please verify edits to the sentence "..., (2) normally distributed mean and inverse-gamma SE distributions..." the word "distributed" was removed before "SE."
- [16] Please verify meaning is retained after edits to the sentence "Simulation results showed our method..."
- [17] In the author contributions section, please indicate which author is being referred to by 'C.A.S.' as this author does not appear to be in the reference list. Please also mention the authors C.C.W., D.A.B., and P.L.D.J. in this section.
- [18] In Table 1, please confirm that the abbreviations RSID, REF, and ALT have been defined/spelled out correctly. Additionally, the 95% C.I. column has been edited from all italics to (almost) all Roman font, with only the top four entries remaining in italics as these correspond to the significance threshold mentioned in the legend. Please verify if this is correct.