Dear Dr. Daetwyler and Dr. Long,

We were pleased with the useful feedback given by reviewers to our manuscript “Genetic Association**s in Four Decades of Multi-Environment Trials Reveal Agronomic Trait Evolution in Common Bean”. We have addressed all the editorial issues suggested by the three reviewers, and included with this resubmission are point-by-point responses to these issues and a revised manuscript file with tracked changes.**

**We seriously considered the analysis changes suggested by reviewers one and three, and in fact redid the entirety of our analysis using the suggested model changes. However, for reasons we elaborate on in the Response to Reviewers document, we chose to keep our original BLUP model, as the GxE models that were possible given our sparse dataset resulted in a large loss of power to detect significant associations but did not substantially alter either the rank order of the association results, or the mash analysis of shared SNP effects.**

**Overall, we are grateful that these reviewer criticisms have improved the manuscript, which we present here as a resubmission to Genetics. In the replies in the Response to Reviewers document, all line numbers refer to the word document with tracked changes. Looking forward to hearing from you.**

Sincerely,

Alice MacQueen