

## Reviewer Report

**Title:** "Genomic data for 78 chickens from 14 populations"

**Version:** Revision 1      **Date:** 11/18/2016

**Reviewer name:** Linnea Smeds

### Reviewer Comments to Author:

The authors' response clarifies most of my original points.

Table 1 was a neat addition to figure 1, but now when it's clearer I'm not sure I understand the meaning of the dashed circles (around the populations) in Fig 1A anymore. In the original figure the circles corresponded to the group(s), but in the revised figure the label TC1 has been removed from the left-most circle, and from Table 1 I understand that those three populations (13, 14, 15) actually contain individuals from all three TC groups - so maybe this circle can be removed altogether?

The colors helped me a lot when connecting the different parts of the figure, but personally I think it would be even clearer if also the numbers in Fig 1A could be repeated, preferably also in Table 1 (as it is now one need to go via the Figure text to connect Fig 1A and Table 1).

The additional file now also contains figures, but I can't view two of them (in Table S2 and the lower one in Table S5), it looks like the links are broken. The top figure in Table S5 lacks text in the color legend. Also I think the figures should be given separate names (Figure S1, S2 etc) so they can be referred to properly in the text.

The new supplementary table S4 (referred to as "Allele frequency spectrum" both on page 4, line 124 and on page 6, line 189) doesn't seem to contain the Allele frequency spectrum but rather a summary of the types of SNPs for each individual.

Minor comments:

Page 1, line 28: change "gigabase (Gb) high quality data of" to "gigabases (Gb) of high quality data from"

Page 1, line 43: "base reseuencing data" should be "bases of resequencing data". On a personal note I don't think I've seen the word "trillion" in a scientific text before and I think I would prefer to write it as  $10^{12}$ , but of course it's not wrong as it is now.

Page 2, line 58: change "by following steps" to "by the following steps"

Page 2, line 71: change "we further used command" to "we further used the command"

Page 4, line 123-124: the sentence "Among them, there was 1,812,591 (21.24%) SNPs could be detected" needs to be corrected, maybe remove "there was"?

Page 4, line 125: "was presented" -maybe use present tense when referring to table/figure?

Table S4: Header of column H should be changed from "No validated" to "Not validated".

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