Reviewer Report

Title: DeepPod: A Convolutional Neural Network Based Quantification of Fruit Number in Arabidopsis

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Reviewer Comments to Author:

In the study, Hamidinekoo et al. developed a deep learning-based method (DeepPod) to count fruit number. Overall, the paper is well written and is easy to follow.
Some minor comments:
1) The authors compared the performance of LeNet and DenseNet (Tables 2-5 and Figs 9-10). Is it possible to use the ROC metric show the overall performance?
2) To compare the prediction by LeNet and DenseNet, a similar plot like Fig. 8 is required to show the output of LeNet.
3) In Figs 9 and 11, it would be useful to add fitted lines and correlation coefficient values in the plots.
4) How was the manual counting data in Fig 11 obtained? I didn't find relevant information from the main text.

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