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*Genetics* Editorial Board 8/1/14

GSA Journals Editorial Office  
Genetics Society of America  
9650 Rockville Pike  
Bethesda, MD 20814-3998

Dear Dr. Borevitz,

Please find attached the revision of our manuscript entitled “The conserved *PFT1* tandem repeat is crucial for proper flowering in *Arabidopsis thaliana*”, (GENETICS/2014/167866). We thank both you and the two reviewers for helpful comments and suggestions, which have improved the paper. We hope that you will find our responses satisfactory.

In broad strokes, we have addressed the following points:

1. Reviewer 1 raised a number of questions regarding the composition of the PFT1 protein and polyQ, which we have addressed by including our sequencing data and by including a supplementary figure illustrating PFT1 domain structure.
2. Reviewer 2 was concerned about the nature of the *pft1-2* null mutant, and potential effects of seed batches in various experiments. We respond to the first point by referencing various previous studies comparing *pft1* mutants that find *pft1-2* to be standard, and confirm that phenotypiceffects are observed while controlling for seed batches.
3. Reviewer 2 suggested additional experiments measuring light response in our transgenic lines. We argue that these experiments, while potentially interesting, are not necessary to address the central question of how diverse phenotypes respond to *PFT1* STR variation, given the substantial number of other phenotypes measured.

We also respond to all minor comments and suggestions. For a point-by-point response, see our attached response to reviewers.

Please let us know if we can answer any further questions.

With best regards,

Soledad Undurraga, PhD and Christine Queitsch, PhD,

Dept. of Genome Sciences

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