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### Genetic basis of allochronic differentiation in the fall armyworm

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**DOI**

[10.1186/s12862-017-0911-5](https://doi.org/10.1186/s12862-017-0911-5)

**Publication date**

2017

**Document Version**

Other version

**Published in**

BMC Evolutionary Biology

[Link to publication](#)

**Citation for published version (APA):**

Hänniger, S., Dumas, P., Schöfl, G., Gebauer-Jung, S., Vogel, H., Unbehend, M., Heckel, D. G., & Groot, A. T. (2017). Genetic basis of allochronic differentiation in the fall armyworm. *BMC Evolutionary Biology*, 17, Article 68. <https://doi.org/10.1186/s12862-017-0911-5>

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### Additional file 3

Generation of female-informative backcross families for QTL analysis.

| <b>Backcross Family</b> | <b>Female Strain*</b> | <b>Male Strain*</b> | <b>Generated Offspring</b> |
|-------------------------|-----------------------|---------------------|----------------------------|
| A                       | Rice (33)             | Corn (22)           | F <sub>1</sub> hybrid (RC) |
|                         | RC hybrid (1)         | Rice (34)           | Backcross ( <b>RC-R</b> )  |
| B                       | Corn (22)             | Rice (33)           | F <sub>1</sub> hybrid (CR) |
|                         | CR hybrid (1)         | Rice (34)           | Backcross ( <b>CR-R</b> )  |

\*Number in brackets show the generation time of the laboratory populations (Table S1) used for the crosses.