

OPEN

Publisher Correction: The glycogen synthase kinase MoGsk1, regulated by Mps1 MAP kinase, is required for fungal development and pathogenicity in *Magnaporthe oryzae*

Tengsheng Zhou, Yasin F. Dagdas, Xiaohan Zhu, Shiqin Zheng, Liqiong Chen, Zachary Cartwright, Nicholas J. Talbot  & Zonghua Wang

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-017-01006-w>, published online 19 April 2017

This Article contains errors in Figures 4A, 4B and 6B, where the scale bars are missing. The correct Figures 4 and 6 appear below as Figures 1 and 2 respectively.

Published online: 21 January 2020

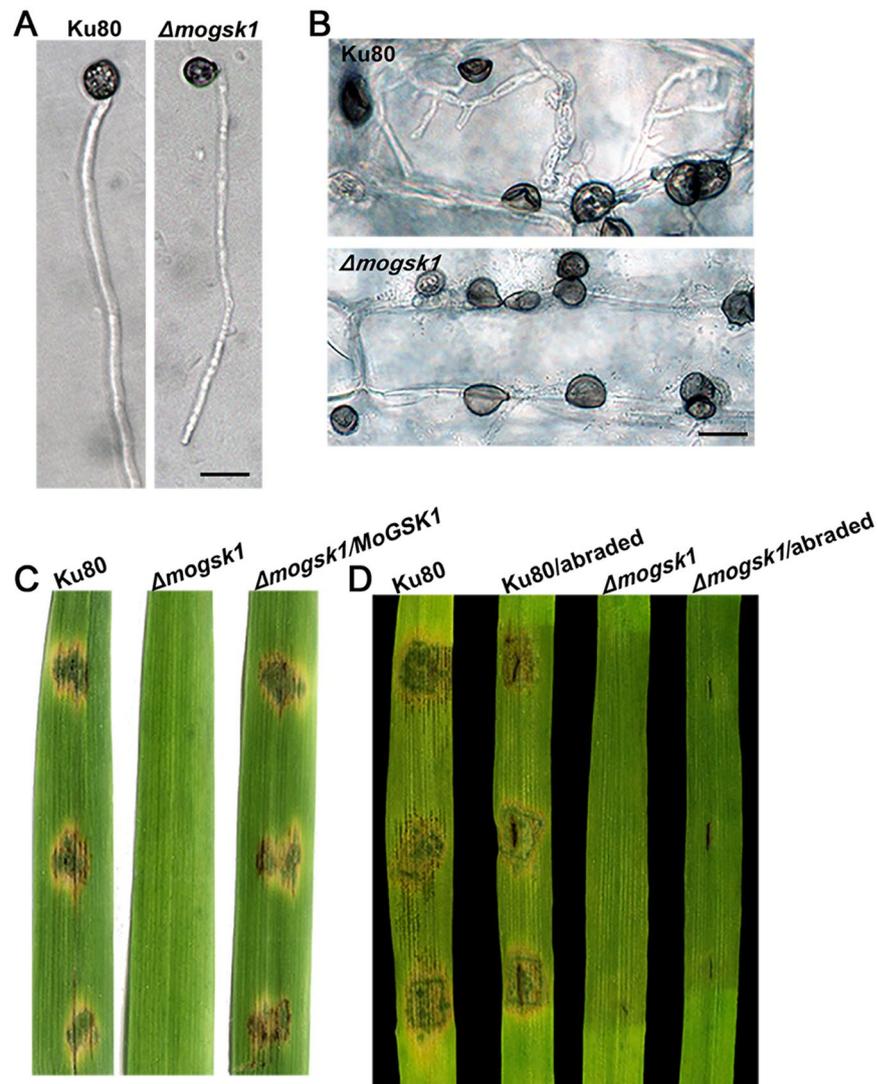


Figure 1. Plant infection assays and microscopic observation on infection process of the $\Delta mogsk1$ mutant. **(A)** Appressoria of Ku80 and $\Delta mogsk1$ were induced at the hyphal tips following 48 h inoculation on hydrophobic cover slips at a moisture chamber at room temperature. Bar = 10 μm . **(B)** Microscopic observation on mycelial plug inoculated area on unwounded barley leaf tissues 48 hr post inoculation. Bar = 10 μm . **(C)** Equal amount of mycelial plugs from Ku80, $\Delta mogsk1$ and $\Delta mogsk1/MoGSK1$ were inoculated on 15-day-old rice seedlings (CO39). Photos were taken post 5-day inoculation. **(D)** Disease symptoms on wounded and unwounded 7-day-old susceptible barley seedlings induced by mycelia plugs of Ku80 and $\Delta mogsk1$ were photographed post 5-day inoculation.

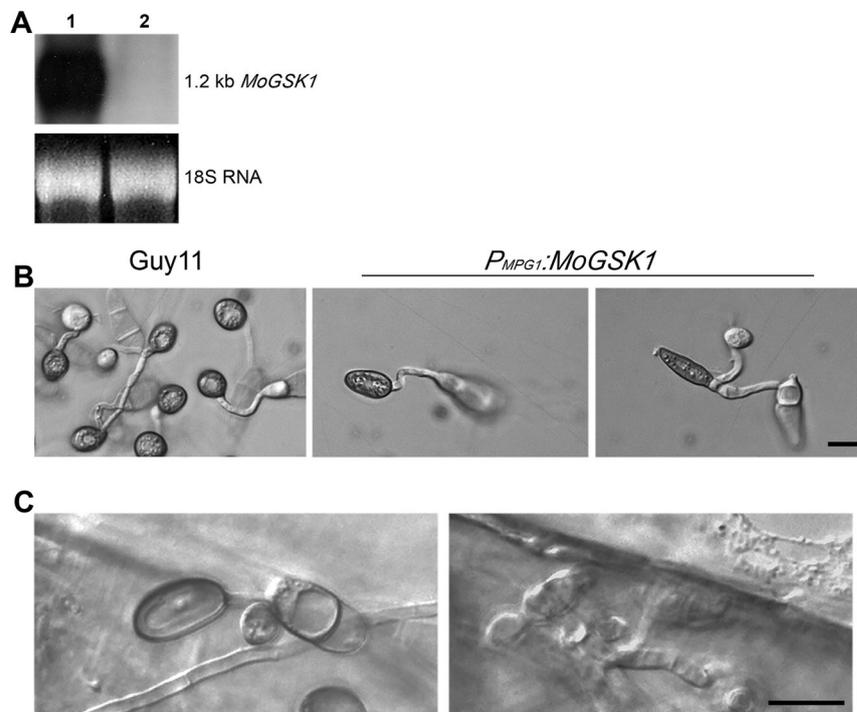


Figure 2. Over-expression of *MoGSK1* affects appressorium morphogenesis in *M. oryzae*. **(A)** RNA gel blot showing induction of *MoGSK1* (Line 1) in the transformant expressing $P_{MPG1}:MoGSK1$ compared to Guy11. **(B)** Microscopic observation of appressorium morphology induced on hydrophobic cover slips for 24 hr in the transformant expressing $P_{MPG1}:MoGSK1$. Bar = 10 μ m. **(C)** Penetration assay to demonstrate pathogenicity of the *MoGSK1* overexpression strain. Appressorium formation (24 hr) and penetration hyphae (48 hr) developed on plant surface are shown in left and right hand panels. Bar = 10 μ m.



Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2020