



## Author Correction: The gene *TaWOX5* overcomes genotype dependency in wheat genetic transformation

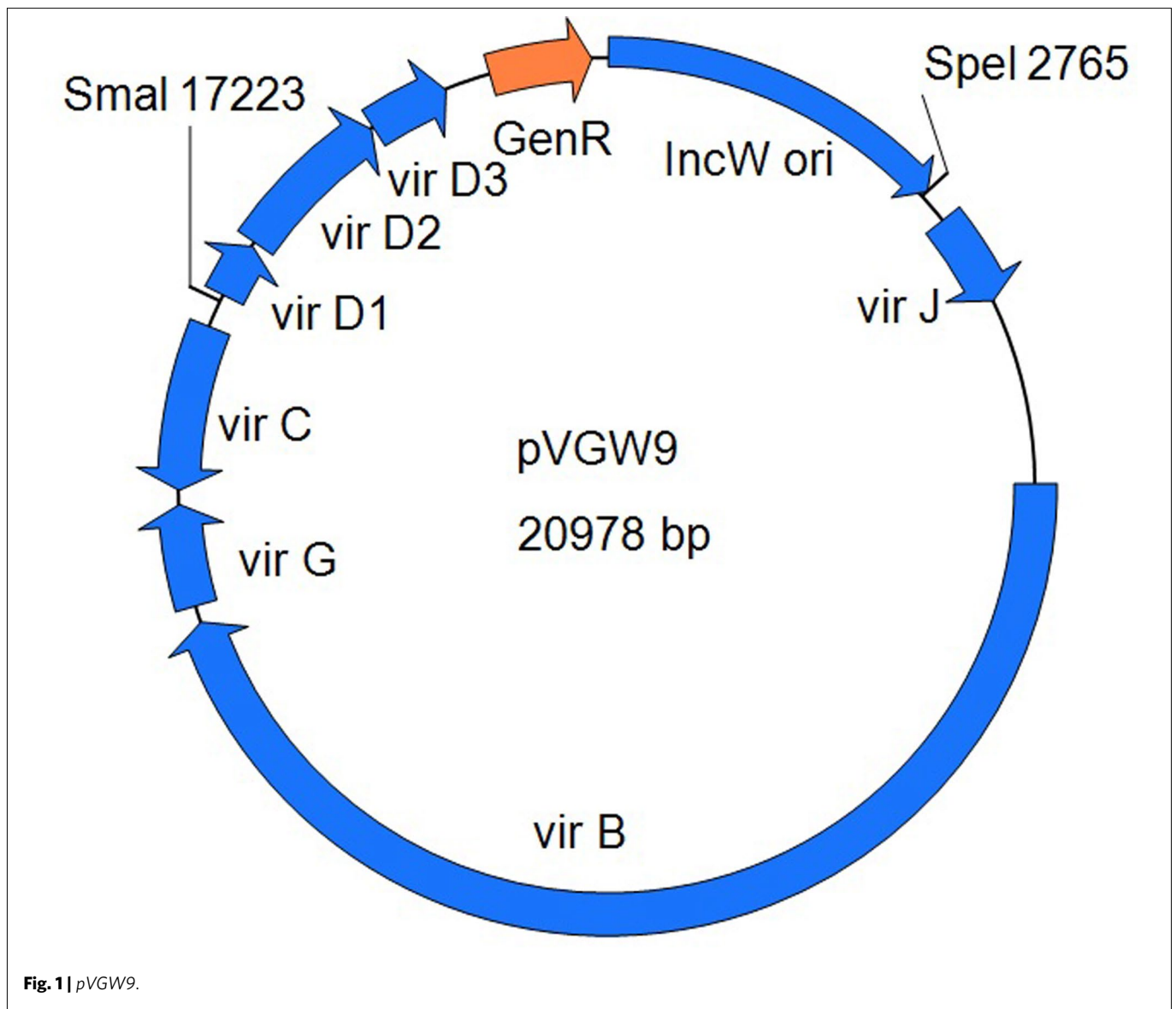
Ke Wang<sup>1</sup>, Lei Shi, Xiaona Liang, Pei Zhao, Wanxin Wang, Junxian Liu, Yanan Chang, Yukoh Hiei, Chizu Yanagihara, Lipu Du, Yuji Ishida<sup>2</sup> and Xingguo Ye<sup>1</sup>

Correction to: *Nature Plants* <https://doi.org/10.1038/s41477-021-01085-8>, published online 13 January 2022.

In the version of this article originally published, the Methods “Vector construction” subsection did not include complete discussion of materials and the use of a helper plasmid (see Figs. 1–3 below), and other experimental details necessary to reproduce the results are amended in the “Maize” subsection of Methods.

In the “Vector construction” subsection, first paragraph, last sentence, a Genbank record is now included: “The *TaWOX5* expression cassette was inserted into the vector pLC41 (GenBank accession no. [LC215698.1](https://doi.org/10.1093/nar/21/15/3581)) containing a Bar expression frame ...” The first sentence of the second paragraph of “Vector construction” now mentions *pVGW9*, with two new sentences now following: “Vectors *pWMB111-TaWOX5* and *pWMB202* were introduced into *Agrobacterium* strain C58C1, and vector *pLC41-TaWOX5* was introduced into *Agrobacterium* strains EHA105 and LBA4404 carrying *pVGW9*, for wheat and maize transformation, respectively. *pVGW9* (SEQ ID 1 US 10266835 B2) was a helper plasmid for plant transformation and contained *virB*, *virC*, *virD*, *virG* and *virJ* from plasmid pTiBo542 (GenBank accession no. [NC\\_010929.1](https://doi.org/10.1093/nar/21/15/3581)). The plasmids *pLC41-TaWOX5* and *pVGW9* can be accessed for academic purposes with an MTA.”

In the “Plant transformation” section, “Maize” paragraph, the third sentence now reading “Infected embryos were then transferred to LS-AS solid medium (LS medium plus 2,4-d 1.5 mg l<sup>-1</sup>, sucrose 20 g l<sup>-1</sup>, glucose 10 g l<sup>-1</sup>, proline 0.7 g l<sup>-1</sup>, MES 0.5 g l<sup>-1</sup>, AgNO<sub>3</sub> 0.85 mg l<sup>-1</sup>, CuSO<sub>4</sub>·5H<sub>2</sub>O 1.25 mg l<sup>-1</sup>, AS 100 μM, and agarose 8 g l<sup>-1</sup>) with scutella facing upwards,” the term “1/10” was removed preceding “LS medium” while “AgNO<sub>3</sub> 0.85 mg l<sup>-1</sup>, CuSO<sub>4</sub>·5H<sub>2</sub>O 1.25 mg l<sup>-1</sup>, AS 100 μM” is now included following “MES 0.5 g l<sup>-1</sup>.” In the fourth sentence, now reading “After cocultivation steps, embryos were transferred to the first selection medium (LS medium with modified vitamins<sup>25</sup> plus 2,4-d 1.5 mg l<sup>-1</sup>, sucrose 20 g l<sup>-1</sup>, proline 0.7 g l<sup>-1</sup>, carbenicillin 250 mg l<sup>-1</sup>, cefotaxime 100 mg l<sup>-1</sup>, PPT 5 mg l<sup>-1</sup>, MES 0.5 g l<sup>-1</sup>, AgNO<sub>3</sub> 1.7 mg l<sup>-1</sup> and agar 8 g l<sup>-1</sup>) for 10 days...” the phrase “with modified vitamins<sup>25</sup>” was added, “glucose 10 g l<sup>-1</sup>” was removed following sucrose, while cefotaxime 100 mg l<sup>-1</sup> originally read 250 mg l<sup>-1</sup>, and “AgNO<sub>3</sub> 1.7 mg l<sup>-1</sup>” was inserted preceding agar. In the sixth sentence now reading “After culture for a further 21 days, embryonic calli were cut into pieces of diameter 2–3 mm and transferred to LSZ medium (LS medium with modified vitamins<sup>25</sup> plus zeatin 5 mg l<sup>-1</sup>,” the phrase “with modified vitamins<sup>25</sup>” was inserted and while 5 mg l<sup>-1</sup> corrects the original “5 g l<sup>-1</sup>.” Finally, in the seventh sentence, now reading “Regenerated shoots were transferred to cups filled with LSF medium (LS medium with modified vitamins<sup>25</sup>...”, the phrase “with modified vitamins<sup>25</sup>” was added. For convenience, ref. 25 follows here: Ishida, Y., Hiei, Y. & Komari, T. *Agrobacterium*-mediated transformation of maize. *Nat. Protoc.* **2**, 1614–1621 (2007).



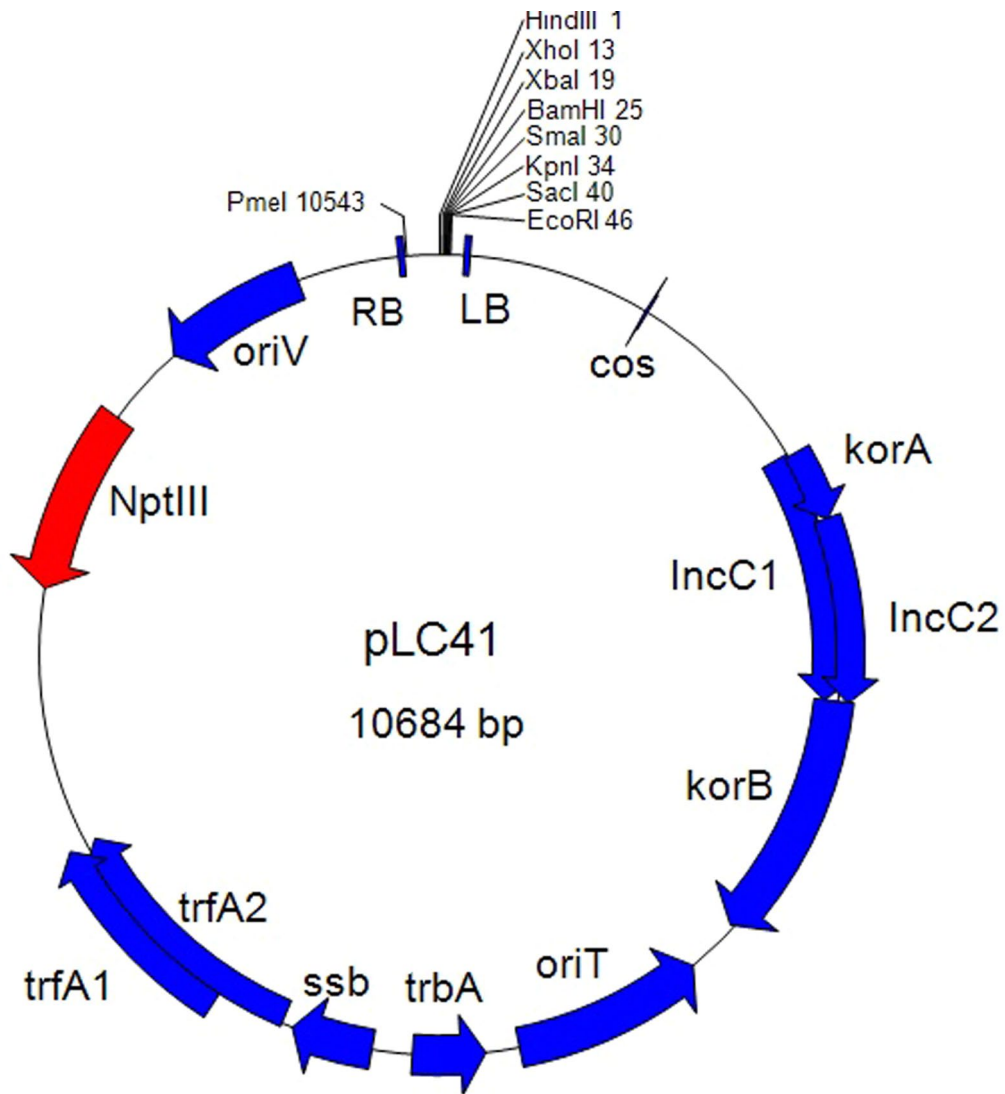
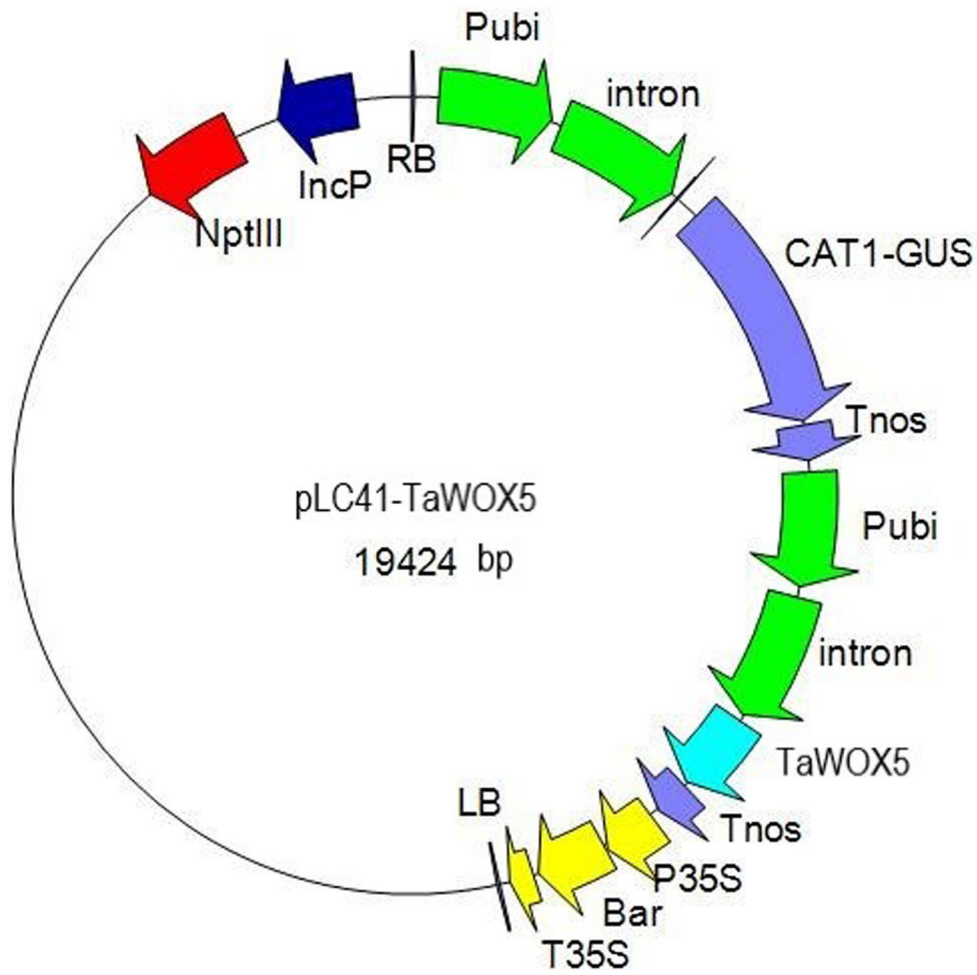


Fig. 2 | pLC41.



**Fig. 3** | *pLC41-TaWOX5*.

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