

CORRIGENDUM

doi:10.1038/nature08957

Genome sequence of the palaeopolyploid soybean

Jeremy Schmutz, Steven B. Cannon, Jessica Schlueter, Jianxin Ma, Therese Mitros, William Nelson, David L. Hyten, Qijian Song, Jay J. Thelen, Jianlin Cheng, Dong Xu, Uffe Hellsten, Gregory D. May, Yeisoo Yu, Tetsuya Sakurai, Taishi Umezawa, Madan K. Bhattacharyya, Devinder Sandhu, Babu Valliyodan, Erika Lindquist, Myron Peto, David Grant, Shengqiang Shu, David Goodstein, Kerrie Barry, Montona Futrell-Griggs, Brian Abernathy, Jianchang Du, Zhixi Tian, Liucun Zhu, Navdeep Gill, Trupti Joshi, Marc Libault, Anand Sethuraman, Xue-Cheng Zhang, Kazuo Shinozaki, Henry T. Nguyen, Rod A. Wing, Perry Cregan, James Specht, Jane Grimwood, Dan Rokhsar, Gary Stacey, Randy C. Shoemaker & Scott A. Jackson

Nature 463, 178–183 (2010)

During resubmission of this work, a paper was published¹ that used a comparative genomics approach between soybean and maize to show that a single-base mutation in chromosome 19 accounts for the duplicate recessive epistasis needed to greatly reduce phytate production in soybean seed.

In this Article, the statement that: “31,264 high-confidence soybean genes have recent paralogues with $K_s \approx 0.13$ synonymous substitutions per site and $4dTv \approx 0.0566$ synonymous transversions per site” is inadvertently incorrect, and instead the correct statement is that “26,501 high-confidence soybean genes have recent paralogues with $K_s \approx 0.13$ synonymous substitutions per site and $4dTv \approx 0.0566$ synonymous transversions per site”. This change does not affect the overall conclusions.

Also, this work was performed under the auspices of the US Department of Energy’s Office of Science, Biological and Environmental Research Program and the Joint Genome Institute (DE-AC02-05CH11231, DE-AC52-07NA27344 and DE-AC02-06NA25396).

1. Gillman, J. D., Pantalone, V. R. & Bilyeu, K. The low phytic acid phenotype in soybean line CX1834 is due to mutations in two homologs of the maize *low phytic acid* gene. *Plant Genome* 2, 179–190 (2009).