

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

---

Agronomy & Horticulture -- Faculty Publications

Agronomy and Horticulture Department

---

2013

## Erratum to: Identification and Characterization of Four Missense Mutations in *Brown midrib12* (*Bmr12*), the Caffeic acid *O*-Methyltransferase (COMT) of Sorghum

Scott E. Sattler

USDA-ARS, Scott.Sattler@ars.usda.gov

Nathan A. Palmer

University of Nebraska-Lincoln, nathan.palmer@ars.usda.gov

Ana Saballos

University of Florida

Ann M. Greene

University of Florida

Zhanguo Xin

USDA-ARS

Follow this and additional works at: <https://digitalcommons.unl.edu/agronomyfacpub>



next page for additional authors

Part of the [Agricultural Science Commons](#), [Agriculture Commons](#), [Agronomy and Crop Sciences Commons](#), [Botany Commons](#), [Horticulture Commons](#), [Other Plant Sciences Commons](#), and the [Plant Biology Commons](#)

---

Sattler, Scott E.; Palmer, Nathan A.; Saballos, Ana; Greene, Ann M.; Xin, Zhanguo; Sarath, Gautam; Vermerris, Wilfred; and Pedersen, Jeffrey F., "Erratum to: Identification and Characterization of Four Missense Mutations in *Brown midrib12* (*Bmr12*), the Caffeic acid *O*-Methyltransferase (COMT) of Sorghum" (2013). *Agronomy & Horticulture -- Faculty Publications*. 691.  
<https://digitalcommons.unl.edu/agronomyfacpub/691>

This Article is brought to you for free and open access by the Agronomy and Horticulture Department at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Agronomy & Horticulture -- Faculty Publications by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

---

## Authors

Scott E. Sattler, Nathan A. Palmer, Ana Saballos, Ann M. Greene, Zhanguo Xin, Gautam Sarath, Wilfred Vermerris, and Jeffrey F. Pedersen

## Erratum to: Identification and Characterization of Four Missense Mutations in *Brown midrib12 (Bmr12)*, the Caffeic acid *O*-Methyltransferase (COMT) of Sorghum

Scott E. Sattler · Nathan A. Palmer · Ana Saballos ·  
Ann M. Greene · Zhanguo Xin · Gautam Sarath ·  
Wilfred Vermerris · Jeffrey F. Pedersen

Published online: 10 July 2012  
© Springer Science+Business Media, LLC 2012

**Erratum to: Bioenerg. Res.**  
**DOI 10.1007/s12155-012-9197-z**

The original version of this article unfortunately contained some mistakes. The name of the enzyme “Caffeic *O*-methyltransferase” should be read as “Caffeic acid *O*-Methyltransferase” throughout the paper, including the title.

On Table 2, the fifth column should have been captured as part of the sub-heading “Unpretreated”. The corrected version is shown on the next page.

---

The online version of the original article can be found at <http://dx.doi.org/10.1007/s12155-012-9197-z>.

---

S. E. Sattler (✉) · N. A. Palmer · G. Sarath · J. F. Pedersen  
Grain Forage and Bioenergy Research Unit, USDA-ARS,  
Lincoln, NE 68583, USA  
e-mail: [Scott.Sattler@ars.usda.gov](mailto:Scott.Sattler@ars.usda.gov)

S. E. Sattler · N. A. Palmer · G. Sarath · J. F. Pedersen  
Department of Agronomy and Horticulture,  
University of Nebraska–Lincoln,  
Lincoln, NE 68583, USA

A. Saballos · A. M. Greene · W. Vermerris  
Agronomy Department and Genetics Institute,  
University of Florida,  
Gainesville, FL 32610, USA

Z. Xin  
Plant Stress and Germplasm Development Unit, USDA-ARS,  
Lubbock, TX 79415, USA

**Table 2** Variation in Klason lignin content and glucose yields obtained after enzymatic saccharification at 50 °C at 60 FPU/ g cellulase of native (unpretreated) stover after 4, 20, and 96 h, and of pretreated stover after 24 h

	Klason lignin (mg/g)	Glucose yield (mg/g stover)			
		Unpretreated			Pretreated
		4 h Mean (SD) <sup>a</sup>	20 h Mean (SD) <sup>a</sup>	96 h Mean (SD)	24 h Mean (SD) <sup>a</sup>
WT BTx623	21.2 (1.9)a	38 (6)bc	54 (5)d	55 (4)d	174 (25)c
<i>bmr12-ref</i>	17.1 (0.8)cd	42 (6)abc	62 (5)cd	64 (8)bcd	212 (19)b
<i>bmr12-30</i>	18.4 (0.9)bc	43 (13)abc	64 (7)bc	70 (8)abc	230 (27)ab
<i>bmr12-34</i>	19.3 (1.5)b	51 (10)ab	74 (9)ab	74 (9)ab	213 (22)b
<i>bmr12-820</i>	16.7 (1.7)d	54 (14)a	79 (12)a	82 (13)a	238 (35)a
<i>bmr12-35</i>	19.6 (0.5)ab	32 (7)c	54 (6)d	59 (12)cd	178 (12)c
HSD (0.05)	2.2	10	8.3	9.9	22

<sup>a</sup>Means in rows with different letters are statistically significant based on Tukey's HSD with an experiment-wise error rate of 0.05 ( $n=9$ )