

Correction

AGRICULTURAL SCIENCES

Correction for “Cross-resistance to dicamba, 2,4-D, and fluroxypyr in *Kochia scoparia* is endowed by a mutation in an *AUX/LAA* gene,” by Sherry LeClere, Chenxi Wu, Philip Westra, and R. Douglas Sammons, which was first published March 12, 2018; 10.1073/pnas.1712372115 (*Proc Natl Acad Sci USA* 115:E2911–E2920).

The authors wish to note the following: “In Table 2, the flowering time for one of the F2 lines was calculated differently

from the other two lines (transplanting date or germination date to flowering initiation date). The corrected flowering time data and analysis is updated. We also reanalyzed the fitness data using a more appropriate statistical model that better describes our data, and the results have been updated in Table 2. The overall conclusions on the fitness cost of the mutation are still valid. We sincerely apologize for these mistakes.” The corrected Table 2 appears below.

Table 2. Comparison of the fitness traits of different genotypes with and without competition

Fitness traits	With competition (RR/SS or RS/SS = 4:4)				Monoculture (eight plants per pot)			
	RR	RS	SS	P value	RR	RS	SS	P value
Germination*								
Germination time, d	1.1 ± 0.1(a)	1.4 ± 0.2(a)	1.2 ± 0.2(a)	ND	1.2 ± 0.1(a)	1.0 ± 0.0(a)	1.2 ± 0.1(a)	ND
Vegetative growth								
Plant height, cm [†]	37.1 ± 2.4(a)	50.1 ± 4.1(b)	70.1 ± 3(c)	<0.001	40.9 ± 1.7(a)	50.8 ± 3.6(b)	70.6 ± 2.4(c)	<0.001
RGR, fold [‡]	7.3 ± 0.8(a)	7.5 ± 0.8(a)	12.9 ± 0.9(b)	0.006	9.4 ± 0.7(a)	9.4 ± 0.9(a)	15.9 ± 0.9(b)	0.0205
Biomass, g	4.2 ± 1.1(a)	9.9 ± 4.3(a)	26.7 ± 4.0(b)	<0.001	13.5 ± 2.8(a)	18.3 ± 5.1(ab)	18.0 ± 2.2(b)	0.0457
Reproductive growth								
Flowering time, d	65.1 ± 1.5(a)	61.6 ± 1.4(a)	73.4 ± 2.8(b)	0.011	63.1 ± 1.2(a)	66.6 ± 2.3(ab)	74.4 ± 2.1(b)	0.0349
Seed production, g	0.9 ± 0.3(a)	1.9 ± 0.6(a)	3.7 ± 0.6(b)	0.001	3.0 ± 0.5(a)	2.2 ± 0.7(ab)	2.0 ± 0.2(b)	0.0493
1,000 seed weight, g	0.54 ± 0.03(a)	0.59 ± 0.04(a)	0.61 ± 0.03(a)	ND	0.60 ± 0.02(a)	0.62 ± 0.02(a)	0.59 ± 0.02(a)	ND

ND, no statistical difference. Letters (a) and (b) indicate statistically similar groups. Different letters indicate the groups are statistically different from one another.

*Germination assays were performed on agar in 48-well plates before transplant. Individual plant identity was maintained throughout the experiment, and these values represent only the individuals represented here; however, no difference in germination time was observed between the genotypes in the entire experiment, which represented 1,440 seeds from three independent lines (480 seeds per line).

[†]Six weeks after the transplanting time point.

[‡]RGR is calculated as (plant height at harvest – plant height at transplanting)/plant height at transplanting.

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