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ERRATUM

Erratum to: QTL for yield and associated traits in the Seri/Babax population grown across several environments in Mexico, in the West Asia, North Africa, and South Asia regions

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Due to an unfortunate error, the data of the first five rows on the second page of Table 5 were published in the wrong column. The corrected Table 5 is reproduced on the following pages.

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Table 5 Multi-environment QTL for yield (YLD), thousand kernel weight (TKW), days to heading and maturity (DH and DM), plant height (PH), canopy temperature at the vegetative (CTvg) and grain filling (CTgf) stages and early ground cover (EGC) analyzed for each trait at the time across all environments

Trait	Marker	Chr	Pos	QTLxE	Dar	Soh	Don	WM	THa	MIR	MD	MH	MHD	Kar	Lud
YLD	4A-act/cag-3	4A	13.15	Yes	4.2	2.2	**17.3**	**9.1**	3.4	**21.7**	**15.1**	**9.9**	**13.7**	6.6	**−27.8**
	4A-barc070	4A	99.46	Yes	6.5	**−13.1**	−8.7	−4.5	**5.9**	−9.8	−4.1	**−5.8**	−2.9	−7.2	**−30.1**
	4B-gwm375	4B	14.09	Yes	3.9	−4.3	−2.1	−2.7	**7.9**	**16.4**	**7.3**	**5.7**	**6.2**	**31.3**	**21.9**
	5A-barc040	5A	48.36	Yes	2.2	−1.5	−2.8	**8.5**	**−6.0**	**16.3**	−1.3	1.6	0.4	−7.7	**−34.3**
	6B-agg/ctg-8	6B	77.72	Yes	**−19.6**	0.3	−2.6	2.0	−9.4	4.1	**−11.1**	**−6.4**	**−5.6**	−5.4	−6.7
	7D-acc/cat-10	7D-b	2.73	Yes	**−23.7**	**−17.5**	4.9	3.3	**−11.8**	−11.9	−3.6	**−6.7**	**−12.7**	**−15.2**	−14.3
TKW	5B-gwm133	5B	7.47	Yes	**0.59**	0.03	0.29	0.27	NA	0.37	**0.49**	0.24	**0.49**	0.29	**0.67**
	6A-wmc0163	6A-a	62.18	Yes	**1.1**	0.0	**0.6**	**0.5**	NA	**0.7**	0.1	−0.1	0.0	**0.6**	0.1
	6D-gwm325	6D-a	36.98	Yes	**0.7**	**0.9**	0.4	**1.0**	NA	**1.1**	0.3	**0.8**	0.3	**0.9**	**0.4**
	C29P13	7D-b	12.5	No	**−1.4**	**−1.4**	**−1.4**	**−1.4**	NA	**−1.4**	**−1.4**	**−1.4**	**−1.4**	**−1.4**	**−1.4**
GM2	C1P48	1A	48.08	No	NA	NA	NA	NA	NA	**−364.1**	**−364.1**	**−364.1**	**−364.1**	NA	NA
	C14P6	4A	5.55	No	NA	NA	NA	NA	NA	**415.3**	**415.3**	**415.3**	**415.3**	NA	NA
	4B-aag/cta-5	4B	11.57	No	NA	NA	NA	NA	NA	**359.6**	**359.6**	**359.6**	**359.6**	NA	NA
	6D-cfd0188	6D-a	41.41	No	NA	NA	NA	NA	NA	**−289.3**	**−289.3**	**−289.3**	**−289.3**	NA	NA
DH	2B-act/ctc-11	2B	38.9	Yes	0.0	−0.1	−0.3	**−0.9**	0.1	−0.4	−0.4	−0.3	−0.4	−0.1	−0.1
	3A-wPt-2478	3A-a	23.5	Yes	−0.1	**−0.5**	−0.3	**−0.5**	−0.1	−0.2	−0.2	−0.2	−0.1	**−0.4**	**−1.2**
	4A-wmc048d	4A	12.9	Yes	−0.2	0.1	0.3	**0.6**	−0.2	0.3	0.3	0.3	0.3	−0.1	**−0.5**
	5D-wPt-5505	5D-b	12.6	Yes	0.2	**0.8**	**0.9**	**0.8**	0.2	**0.5**	**0.5**	0.4	**0.5**	**0.7**	**0.5**
	6A-wPt-7599	6A-a	50.8	Yes	−0.2	**−0.4**	**−0.5**	−0.2	−0.2	0.0	0.0	0.0	0.0	**−0.7**	**−1.0**
	6B-agg/ctg-8	6B	77.7	Yes	−0.1	0.4	**0.8**	**1.2**	0.0	0.2	0.2	0.2	0.2	0.3	**1.0**
	C29P13	7D-b	12.5	Yes	**0.6**	**1.9**	**1.3**	**0.6**	**1.0**	**1.1**	**1.1**	**0.9**	**1.0**	**1.6**	**2.2**
DM	1D-gdm0111	1D-a	132.2	Yes	**0.2**	**1.0**	**0.7**	**0.6**	**0.3**	**0.4**	**0.6**	**0.5**	**0.6**	**0.3**	NA
	2B-act/ctc-11	2B	38.9	Yes	−0.1	0.0	**−0.7**	**−0.9**	0.2	−0.2	**−0.3**	**−0.3**	**−0.5**	−0.3	NA
	4A-gwm397	4A	23.7	Yes	−0.1	0.4	0.5	**0.5**	−0.2	**0.4**	0.0	**0.5**	**0.5**	−0.1	NA
	C16P7	4D	7.3	Yes	0.0	**−0.7**	**−0.7**	**−0.5**	0.2	**−0.4**	**−0.6**	**−0.5**	−0.3	**−0.4**	NA
	C20P6	5D-b	6.3	Yes	0.2	**0.6**	**1.0**	**0.8**	0.1	**0.7**	**0.6**	**0.6**	**0.9**	0.1	NA
	6A-barc0113	6A-a	68.2	Yes	0.0	−0.1	−0.1	0.1	**0.4**	0.3	−0.1	0.2	**0.3**	**−0.4**	NA
	6B-aac/ctc-3	6B	83	Yes	−0.1	0.2	**0.7**	**0.8**	−0.3	0.2	**0.3**	**0.3**	**0.3**	0.1	NA
	7D-aca/cag-11	7D-a	11.1	Yes	−0.2	**−0.8**	**−1.0**	**−0.9**	**−0.1**	**−0.6**	**−0.7**	**−0.5**	**−0.7**	**−0.4**	NA
	7D-acc/cat-10	7D-b	2.7	Yes	**0.4**	**1.8**	**1.7**	**0.7**	**0.4**	**0.8**	**1.2**	**0.7**	**0.8**	**0.8**	NA

Table 5 continued

Trait	Marker	Chr	Pos	QTLxE	Dar	Soh	Don	WM	THa	MIR	MD	MH	MHD	Kar	Lud
PH	1D-gdm0111	1D-a	132.2	Yes	−0.3	−0.7	−0.3	0.4	0.4	−0.6	0.3	−0.4	**−0.6**	**−0.7**	−0.6
	2B-aag/ctg-5	2B	26.8	No	**0.8**	**0.8**	**0.8**	**0.8**	**0.8**	**0.8**	**0.8**	**0.8**	**0.8**	**0.8**	**0.8**
	C9P62	2B	62.3	Yes	**1.8**	**1.4**	**1.1**	−0.4	−0.4	**1.3**	−0.1	0.3	0.4	0.7	0.7
	2D-aac/ctg-6	2D	12	Yes	0.3	**0.9**	0.2	−0.4	−0.4	0.2	0.1	0.2	**−0.5**	0.3	**0.9**
	4A-agg/cta-12	4A	13.6	Yes	**−1.5**	**−1.9**	**−1.0**	0.0	0.0	−0.6	−0.4	0.2	−0.1	**−1.4**	**−1.7**
	4B-aag/cta-5	4B	11.6	No	**−0.6**	**−0.6**	**−0.6**	**−0.6**	**−0.6**	**−0.6**	**−0.6**	**−0.6**	**−0.6**	**−0.6**	**−0.6**
	4D-wmc048b	4D	0	Yes	0.5	**1.0**	0.2	−0.6	−0.6	0.0	0.0	0.2	**−0.6**	0.3	0.3
	5A-gwm617a	5A	76	Yes	**1.7**	**1.4**	**1.2**	**1.1**	**1.1**	0.6	0.3	**0.5**	0.0	**0.9**	**1.1**
	C19P17	5D-a	17	No	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**	**0.7**
	7D-gwm130	7D-b	0	Yes	0.3	−0.2	0.2	0.3	0.3	**1.1**	0.0	**0.7**	**1.3**	−0.2	−0.4
CTvg	4A-wmc048d	4A	12.92	Yes	NA	NA	NA	NA	NA	**−0.1**	**−0.1**	**−0.1**	**−0.1**	NA	NA
CTgf	6A-gwm617b	6A-b	28.39	Yes	0.0	**−0.1**	−0.1	−0.2	NA	−0.1	0.0	0.0	0.0	0.0	**0.3**
	C29P13	7D-b	12.5	Yes	−0.1	−0.2	**−0.2**	**0.1**	NA	0.0	−0.1	0.1	**0.1**	−0.1	−0.1
EGC	7D-acc/ctc-7	7D-a	11.7	Yes	0.2	NA	NA	0.1	NA	**−1.1**	0.1	**−0.4**	**−0.8**	**0.6**	NA
	7D-acc/cat-10	7D-b	2.7	Yes	**−0.7**	NA	NA	−0.2	NA	0.2	0.2	**0.8**	−0.3	**−0.6**	NA

Marker, chromosome (Chr), position (Pos), QTL by environment interactions (QTLxE) and additive effects in each environment are shown. Environments include Darab (Dar), Sohag (Soh), Dongola (Don), Wad Medani (WD), Tel Hadya (THa), Mexico irrigated (MIR), Mexico drought (MD), Mexico heat (MH), Mexico heat plus drought (MHD), Karnal (Kar) and Ludihana (Lud)

Figures in bold indicate significant QTL effects in one particular environment

NA not available