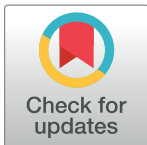


CORRECTION

Correction: Single Marker and Haplotype-Based Association Analysis of Semolina and Pasta Colour in Elite Durum Wheat Breeding Lines Using a High-Density Consensus Map

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There is an error in [Table 3](#). The effect of marker Tdurum_contig51688_681 for pigment loss should be 2.9 instead of 3.7. Please see the corrected [Table 3](#) here.



OPEN ACCESS

Citation: N'Diaye A, Haile JK, Cory AT, Clarke FR, Clarke JM, Knox RE, et al. (2017) Correction: Single Marker and Haplotype-Based Association Analysis of Semolina and Pasta Colour in Elite Durum Wheat Breeding Lines Using a High-Density Consensus Map. PLoS ONE 12(10): e0187178. <https://doi.org/10.1371/journal.pone.0187178>

Published: October 24, 2017

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Table 3. Individual SNP and haplotype loci significantly associated with colour traits.

Trait	Haplotype-based analysis						Single SNP-based analysis					Comparison	
	Haplotype	Position	nbM ¹	P-value	R ² (%)	Effect	Marker	Position	P-value	R ² (%)	Effect	IVE ² (%)	IAE ³ (%)
Pasta a*	<i>hap_2A_12</i>	2A (74.6–78)	4	3.69E-04	15.1	1.6							
	<i>hap_3B_32</i>	3B (201.5–205.5)	3	1.04E-03	13.4	1.0							
	<i>hap_4B_6</i>	4B (28.5–30.8)	9	8.65E-04	35.7	1.6	Tdurum_contig51688_681	4B (28.8)	1.27E-07	19.0	1.6	87.9	0.0
	<i>hap_4B_8</i>	4B (37.4–41.7)	9	1.04E-03	27.6	1.7							
Pasta b*	<i>hap_2A_5</i>	2A (22.8–24.7)	4	8.08E-04	16.4	3.3	Tdurum_contig54634_815	2A (22.8)	1.37E-04	9.5	3.2	72.6	3.1
	<i>hap_4B_6</i>	4B (28.5–30.8)	9	1.62E-04	40.2	5.6	Tdurum_contig51688_681	4B (28.8)	9.66E-10	26.2	5.3	53.4	5.7
	<i>hap_4B_7</i>	4B (32.7–35.2)	7	1.51E-03	25.6	4.9							
	<i>hap_4B_12</i>	4B (58.7–60.4)	6	6.88E-04	14.1	4.5	Tdurum_contig37811_134	4B (60)	4.48E-05	10.9	3.4	29.4	32.4
	<i>hap_5B_25</i>	5B (129.7–131.2)	4	6.80E-04	14.1	3.1							
Pigment loss	<i>hap_7B_36</i>	7B (202.9–206.3)	2	2.48E-03	9.3	2.3							
	<i>hap_2A_5</i>	2A (22.8–24.7)	4	4.65E-04	17.6	3.5	Tdurum_contig54634_815	2A (22.8)	2.34E-05	11.9	2.4	47.9	79.2
	<i>hap_3B_33</i>	3B (208–209.6)	3	5.42E-04	14.6	5.4							
	<i>hap_4B_6</i>	4B (28.5–30.8)	9	2.03E-03	33.6	3.7	Tdurum_contig51688_681	4B (28.8)	1.17E-09	26.2	2.9	28.2	27.0
	<i>hap_4B_7</i>	4B (32.7–35.2)	7	4.01E-04	28.9	4.3							
	<i>hap_4B_12</i>	4B (58.7–60.4)	6	9.15E-05	17.5	3.3	Tdurum_contig37811_134	4B (60)	1.02E-05	13.0	2.6	34.6	26.9
Semolina b*	<i>hap_5B_25</i>	5B (129.7–131.2)	4	1.06E-03	13.5	2.1							
	<i>hap_2A_18</i>	2A (117.6–121.3)	9	8.63E-03	24.5	2.5	BobWhite_c41527_201	2A (117.7)	8.88E-08	19.2	1.9	27.6	31.6
	<i>hap_7A_32</i>	7A (180.2–181.8)	10	5.65E-03	34.6	3.3	Tdurum_contig54832_139	7A (181.4)	5.53E-08	19.8	2.0	74.7	65.0
Semolina pigment	<i>hap_7B_36</i>	7B (202.9–206.3)	2	3.92E-03	8.5	1.3							
	<i>hap_2A_18</i>	2A (117.6–121.3)	9	4.17E-03	27.5	1.9	BobWhite_c41527_201	2A (117.7)	2.00E-08	21.4	1.4	28.5	35.7
	<i>hap_7A_32</i>	7A (180.2–181.8)	10	4.42E-03	35.6	2.3	Tdurum_contig54832_139	7A (181.4)	2.67E-08	21.0	1.4	69.5	64.3
	<i>hap_7B_36</i>	7B (202.9–206.3)	2	2.94E-03	8.9	1.0							

¹nbM: Number of markers in the haplotype

²IVE: Increase in variance explained obtained from haplotype-based analysis compared to single SNP-based analysis

³IAE: Increase in allelic effect obtained from haplotype-based analysis compared to single SNP-based analysis

* Should be read as star (e.g., Pasta a* is 'Pasta a star')

<https://doi.org/10.1371/journal.pone.0187178.t001>

Reference

1. N'Diaye A, Haile JK, Cory AT, Clarke FR, Clarke JM, Knox RE, et al. (2017) Single Marker and Haplotype-Based Association Analysis of Semolina and Pasta Colour in Elite Durum Wheat Breeding Lines Using a High-Density Consensus Map. *PLoS ONE* 12(1): e0170941. <https://doi.org/10.1371/journal.pone.0170941> PMID: 28135299