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Author Correction: Genome-wide identification of and functional insights into the late embryogenesis abundant (*LEA*) gene family in bread wheat (*Triticum aestivum*)

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This Article contains errors.

In the Results section, the subheading,

“Enhancement of the tolerance of recombinant *E. coli* and yeast cells to salt and heat-”.

should read:

“Enhancement of the tolerance of recombinant *E. coli* and yeast cells to salt and heat-stress”.

Furthermore, in the Results section, under the subheading ‘Determining the endogenous wheat ABA content and expression patterns of *TaLEA* genes under ABA and abiotic stress treatments’,

“To confirm the results of the microarray data, we selected 29 *TaLEA* genes belonging to LEA_1, LEA_2, LEA_3, LEA_4, LEA_5, LEA_6, SMP and three DHN subfamilies to investigate the expression patterns of *TaLEA* genes in wheat seedlings subjected to ABA and abiotic stress treatments by real-time PCR (Fig. 5).”

should read:

“To confirm the results of the microarray data, we selected 22 *TaLEA* genes belonging to LEA_1, LEA_2, LEA_4, LEA_5, SMP and three DHN subfamilies to investigate the expression patterns of *TaLEA* genes in wheat seedlings subjected to ABA and abiotic stress treatments by real-time PCR (Fig. 5).”

In the Methods section, under the subheading ‘In vivo assay of the stress tolerance of transformed *E. coli*’,

“Heat and salt tolerance assays were performed as described previously⁴⁸.”

should read:

“Heat and salt tolerance assays were performed as described previously²⁶.”

Finally, this Article contains errors in Figure 5 and Supplementary Table S2, where the primers of *TaLEA*_3-5, *TaLEA*_6-1, *TaLEA*_6-2, *TaLEA*_6-3, *TaSMP*8 and *TaSMP*9 are incorrectly included. In addition, Figure 5 incorrectly includes the primer of *TaLEA*_3-3, and Supplementary Table S2 incorrectly includes the primer of *TaLEA*_3-4. The correct Figure 5 and Supplementary Table S2 appear below as Figure 1 and Table 1 respectively.

Figure 1. Expression of *TaLEA* genes in response to ABA, heat, NaCl, cold, and PEG treatments determined by real-time PCR. The expression level of wheat *actin* was used as the internal control to standardize the RNA samples for each reaction. The values are the mean $\pm$ SE from three samples.

Genes	Primer name	Sequence (5'-3')
<i>Actin</i>	Qactin F	ACCCAACCAGAAACAGCAAC
	Qactin R	CTCATCCAACGAAACGGAAT
<i>TaLEA_1-5</i>	QTaLEA_1-5 F	AAGATGAAGGACGGCGCG
	QTaLEA_1-5 R	CTTGTGGATGTGGTGCAG
<i>TaLEA_1-6</i>	QTaLEA_1-6 F	TGTGCATCGATTCTTCACG
	QTaLEA_1-6 R	GCATGCATGACTCATCGCTT
<i>TaLEA_1-11</i>	QTaLEA_1-11 F	GAAGGCCAAGACCAAGATCG
	QTaLEA_1-11 R	CTTGTGGATGCGGTGCTC
<i>TaLEA_2-1</i>	QTaLEA_2-1 F	CTCCTTCAACCTCAAGTGCG
	QTaLEA_2-1 R	GATGAGGAAGTCGTAGGGCA
<i>TaLEA_2-25</i>	QTaLEA_2-25 F	ACGGAGAGGATGATGAGCAG
	QTaLEA_2-25 R	CGTCGCTCTTGAACGTGTAG
<i>TaLEA_2-46</i>	QTaLEA_2-46 F	GTGAGCTTCAAGGGCATGAC
	QTaLEA_2-46 R	GATGAGGAAGTCGTAGGGCA
<i>TaLEA_4-1</i>	QTaLEA_4-1 F	AGTACACCAAGGACTCCGC
	QTaLEA_4-1 R	TTTGTGATGGTCTCGGTGGT
<i>TaLEA_4-5</i>	QTaLEA_4-5 F	ACACGCAGGACAGGACATAC
	QTaLEA_4-5 R	GTGATCCTCTCGGTGGTGTC
<i>TaLEA_4-13</i>	QTaLEA_4-13 F	GAGAAGGCTGGACAGGTGAT
	QTaLEA_4-13 R	GGTCTCGTTGGTCTTGTCT
<i>TaLEA_5-1</i>	QTaLEA_5-1 F	GGAGGAGGGGTACAGTGAGA
	QTaLEA_5-1 R	CTCGTCGATGTCTATGCCCT
<i>TaLEA_5-7</i>	QTaLEA_5-7 F	AGGAGAACTCGCTGAAGGG
	QTaLEA_5-7 R	TGGTCTTGAAGTGGACTCGT
<i>TaLEA_5-8</i>	QTaLEA_5-8 F	CTACGAGGCGCAGGAGAAA
	QTaLEA_5-8 R	GACTCATCGTTGGTGCTCAG
<i>TaSMP1</i>	QTaSMP1 F	GTCAATATCCCTGGTGGCCT
	QTaSMP1 R	CTTGTCGTCCTTGTTCGGG
<i>TaDHN7</i>	QTaDHN7 F	GTAGCCGAGCAAAAGACTCG
	QTaDHN7 R	CCGTGGTCTGCTCCTTGTTA
<i>TaDHN15</i>	QTaDHN15 F	GGCAAAGATGGAGTTCCAAG
	QTaDHN15 R	CAGTATCCACCGGTCTTGT
<i>TaDHN20</i>	QTaDHN20 F	GGAGTACCAGGGACATCAGC
	QTaDHN20 R	CATCCTCAGACGAGCTGGA
<i>TaDHN26</i>	QTaDHN26 F	GCGGCAGCTACTTGAGAGTT
	QTaDHN26 R	AACGTCCCGGGTACATACAA
<i>TaDHN40</i>	QTaDHN40 F	AGAAGGGCATCATGGAGAAC
	QTaDHN40 R	GTCATTCCAGTGTGTCCCTG
<i>TaDHN43</i>	QTaDHN43 F	AGTTACCGGCGAGAACATCA
	QTaDHN43 R	GACTTCCCGTAGTTGCCATC
<i>TaDHN45</i>	QTaDHN45 F	CAGCATGGACACACTGGAAT
	QTaDHN45 R	GCAGCTTCTCCTTCACCTTG
<i>TaDHN48</i>	QTaDHN48F	CAGTCACAAAGCCAAAGCAA
	QTaDHN48 R	GACCAGCTCCTCCTCTTCT
<i>TaDHN50</i>	QTaDHN50F	GAGCCCGAGGTTAAGAAGGA
	QTaDHN50 R	TGATCACCTCACCGTTGTCA

Table 1. Real time PCR primers of *TaLEA* genes.

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