CORRECTIONS

Vol. 128: 714–725, 2002

Zhang D.-P., Wu Z.-Y., Li X.-Y., and Zhao Z.-X. Purification and Identification of a 42-Kilodalton Abscisic Acid-Specific-Binding Protein from Epidermis of Broad Bean Leaves.

The authors regret that the SDS-PAGE figure of the purified abscisic acid (ABA)-binding protein in this paper (Fig. 4A; see http://www.plantphysiol.org/cgi/content/full/128/2/714/F4) had been used in a previously published paper in *Acta Botanica Sinica* (**Wu Z-Y, Zhang D-P, Jia W-S** [1999] Isolation and purification of ABA binding protein from abaxial epiderm of *Vicia faba* leaf. Acta Bot Sin **41:** 842–845; figure 3B), in which the preliminary results of the ABA-binding proteins from our laboratory were published. In the preliminary assays, it was observed that the purified ABA-binding proteins included two bands, one at about 42 kD and another much less prominent band at about 70 kD. With the improved purification procedures published in the *Plant Physiology* paper, the 70-kD protein was no longer apparent, but the ABA-binding activity did not substantially change, which indicated that the 42-kD protein was an ABA-binding protein. Furthermore, immunoblotting experiments demonstrated that the antiserum raised against the 42-kD protein did not react with the purified 70-kD protein. We therefore concluded that the 70-kD protein was a contaminating peptide. The error of using the same SDS-PAGE gel in both papers was the result of an oversight when choosing among many pictures of the SDS-PAGE gels that we used to assay the ABA-binding proteins. The misused picture in the *Plant Physiology* paper (Figure 4A) was an overexposed photograph of the same gel that we presented in the earlier *Acta Botanica Sinica* paper, such that the 70-kD band could hardly be seen, and thus it was reused in error. A new version of the SDS-PAGE gel for the 42-kD ABA-binding protein has been provided below. It was derived from the protocols that were described in the *Plant Physiology* paper. The legend of Figure 4 needs no modification with this substitution of the figure; however, it is reprinted here for convenience.

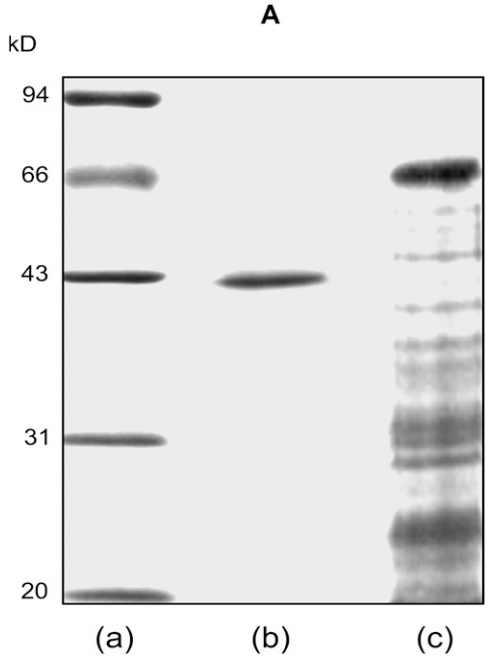

Figure 4. Coomassie blue-stained SDS-PAGE (A), silver-stained native IEF (B), and silver-stained IEF/SDS-PAGE (C) of the purified ABA-binding protein. In A: a, molecular mass standards; b, purified ABA-binding proteins (3 μg), of which the calculated molecular mass was 42 kD; c, proteins in the crude extract (15 μg). In B: a, the purified ABA-binding protein, of which the measured pI was 4.86; b, the protein standards. C, The purified ABA-binding protein (2 μg) was resolved by IEF in the first dimension followed by SDS-PAGE; a, molecular mass markers; b, the purified ABA-binding protein. The measured molecular mass and pI were, respectively, 42 kD and 4.86.

www.plantphysiol.org/cgi/doi/10.1104/pp.104.900272