**Supplementary data**

**Fig. S1** Effect of organic solvent, ionic strength and pH value on the sensitivity of IMA and BAS-IMB.

**Fig. S2** The matrix effect of agricultural product samples on the sensitivity of BAS-IMB for detecting AFB₁.

**Fig. S3** The example of chromogenic results of BAS-IMB in standard serial concentrations of AFB₁.
Fig. S1 Effect of organic solvent, ionic strength and pH value on the sensitivity of IMA and BAS-IMB.
Fig. S2 The matrix effect of samples on the sensitivity of the BAS-IMB for detecting AFB$_1$. 
**Fig. S3** The example of chromogenic results of BAS-IMB in standard serial concentrations of AFB₁.