

Figure S1. Seedlings plant of *MI* mutant and wild-type L780. **(a)** the seedlings plant of *MI* **(b)** the seedlings plant of L780; bar = 2 cm.



Figure S2. Multi inflorescence-related traits of *MI* at flowering stage. (**a**, **b**) Plant morphology of L780(**a**) and *MI* (**b**); bar = 10 cm; the white frame indicates the enlarged part.

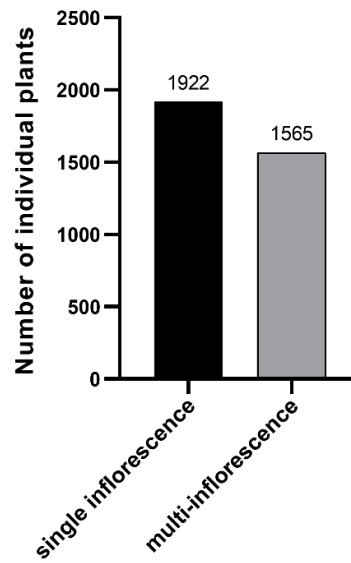


Figure S3. Frequency distribution on multi-inflorescence traits in BC₄F₁ population. The number above the column represents the actual number of individual plants of multi-inflorescence and single inflorescence respectively.