



Figure S1. *zmnac17* mutation sites annotation. (A) *zmnac17-1* mutation site annotation. (B) *zmnac17-2* mutation site annotation.



Figure S2. Phenotypic analyses of *zmnac17-2* mutant. (A) Seedling phenotypes of *zmnac17-2* grown in the dark for 7 days. Bars: 3 cm. (B) Results of quantification of mesocotyl length of B73 and *zmnac17-2*. (C) Results of quantification of mesocotyl fresh weight of B73 and *zmnac17-2*. Data are means \pm SDs of at least 10 biological replicates. Statistical analysis conducted by using Student's unpaired t-test (** $p < 0.01$).