

Supplemental Figures

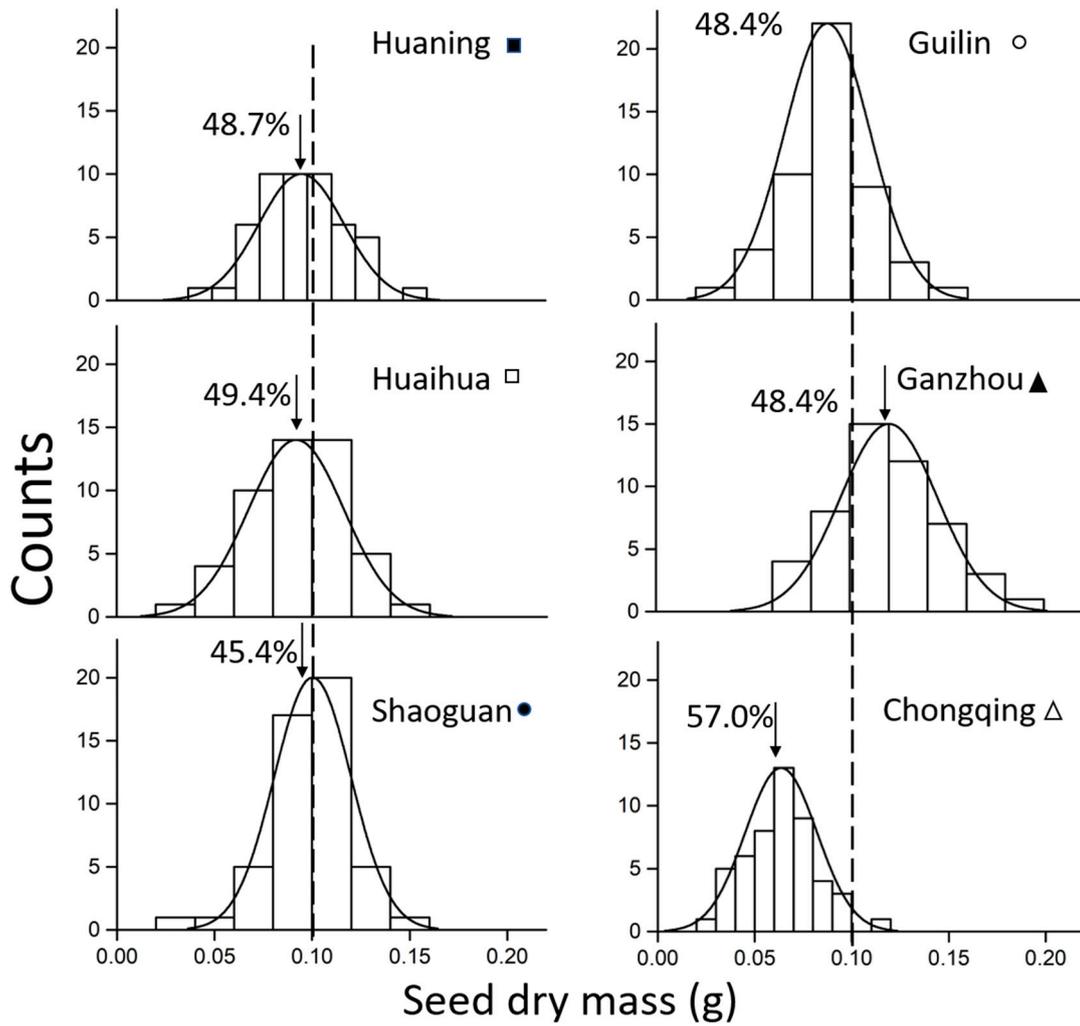


Figure S1. The distribution of 50 individual seed dry weights for six different seed lot of *C. sinensis* from Huaning (■), Huaihua (□), Shaoguan (●), Guilin (○), Ganzhou (▲), Chongqing (△). The arrows on the figure correspond to the mean water contents of each seed lot with fresh seeds.

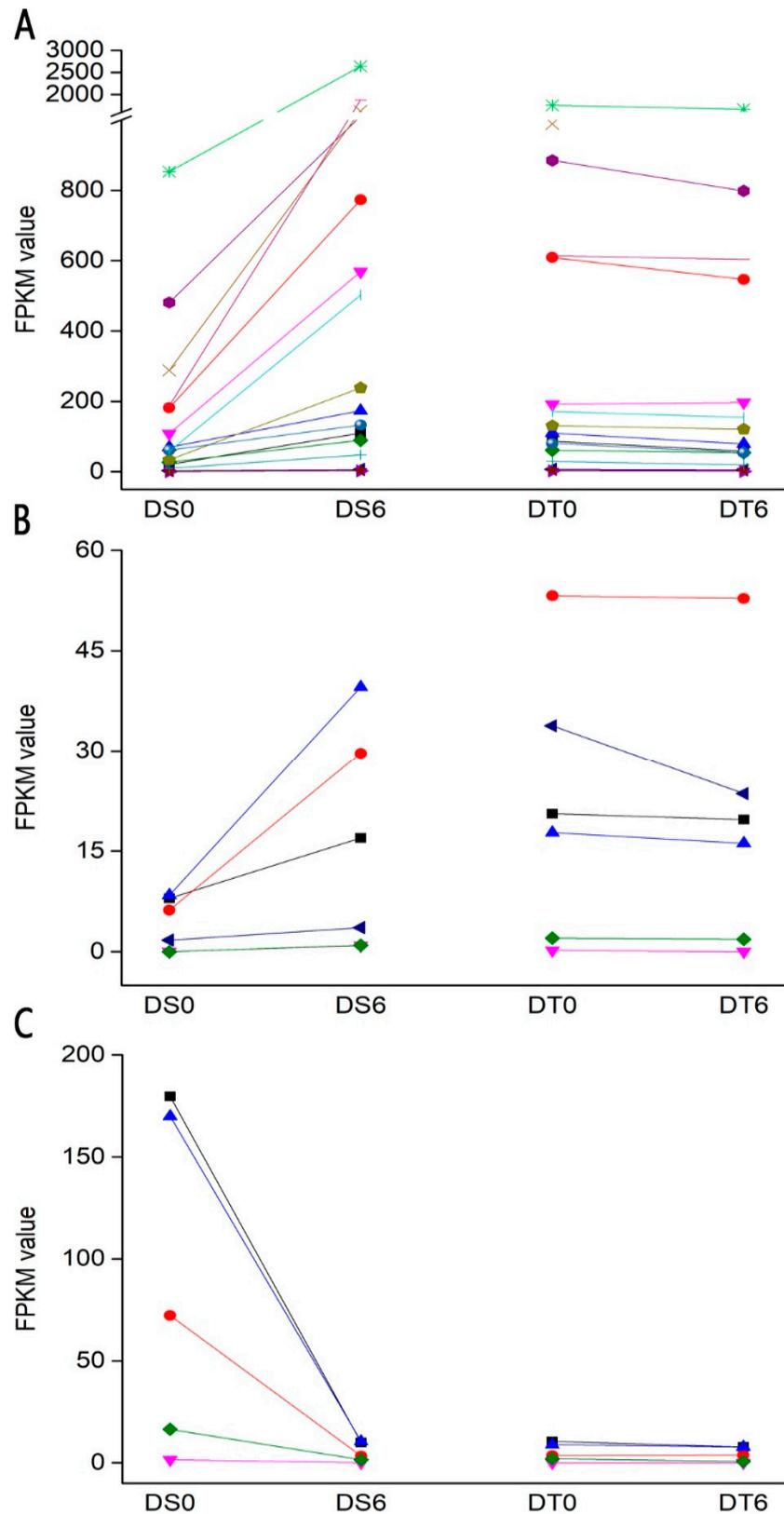


Figure S2. Analysis of key gene families that were differentially expressed (DEGs: FDR < 0.05 and absolute log₂ fold change ≥ 1) in DS seeds following drying. (A) Heat shock protein (HSP) family genes, (B) peroxidase genes, and (C) cytochrome P450 genes. DS0: desiccation sensitive seeds desiccated for 0 d, DS6: desiccation sensitive seeds desiccated for 6 d, DT0: desiccation tolerant seeds desiccated for 0 d, DT6: desiccation tolerant seeds desiccated for 6d.

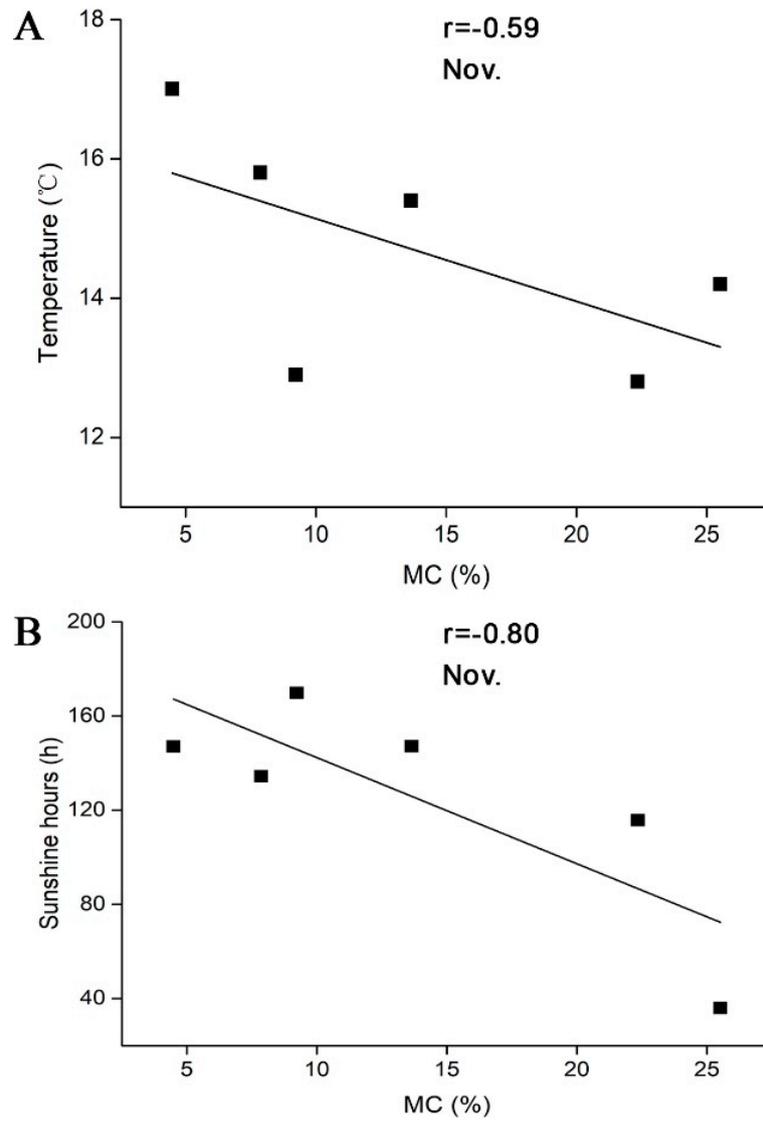


Figure S3. Correlation between the seed MC at which germination was interpolated to be probit 5.5 and *Citrus sinensis* 'bingtangcheng' seed lot environmental conditions of the collecting sites. (A) temperature (°C), (B) sunshine hours (h). Climate conditions were the temperature of November (the last month before fruit harvesting).