

Supplementary Figure 1 The effects of varying ethylene concentrations (0.5 mM, 1.0 mM, 2.0 mM, and 5.0 mM) on the germination rate and germination index of peanut seeds using different treatment methods: continuous ethylene soaking, or ethylene soaking for 12 hours followed by sterile water soaking. (a) Germination rates at various times with continuous ethylene soaking (0.5 mM, 1.0 mM, 2.0 mM, and 5.0 mM). (b) Germination indexes with continuous ethylene soaking at the different concentrations. (c) Germination rates at different times for seeds soaked in different concentrations of ethylene for 12 hours, followed by sterile water soaking. (d) Germination indexes for seeds treated with various ethylene concentrations for 12 hours, followed by sterile water soaking. Germination rate = (Number of Germinated Seeds/Total Number of Seeds Tested) ×100%; Germination Index = \sum (Gt/Dt), where Gt is the number of seeds germinated on day t and Dt is the number of days since the experiment began.

1 2