Supplement Fig. S1

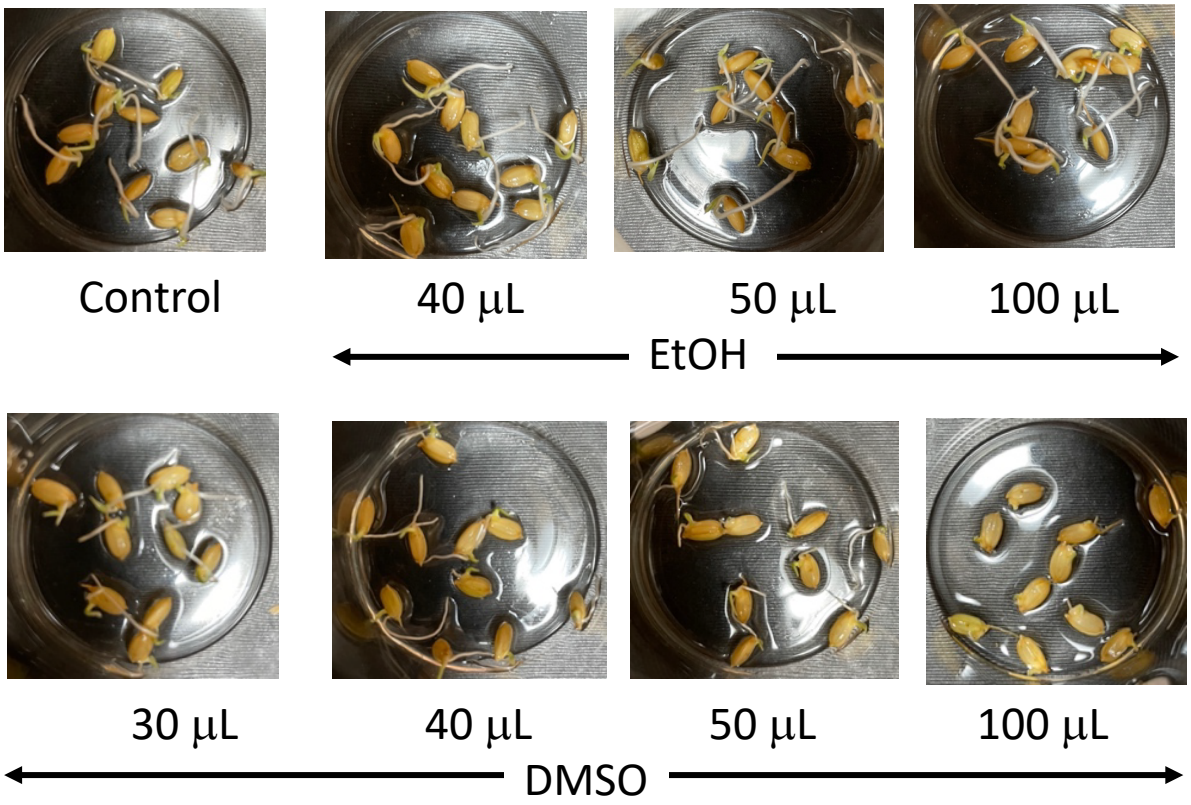

Fig. S1. Effect of solvents (EtOH and DMSO) on the root growth. Various of volumes of EtOH and DMSO were added to 2 ml of water.

Supplement Fig. S2

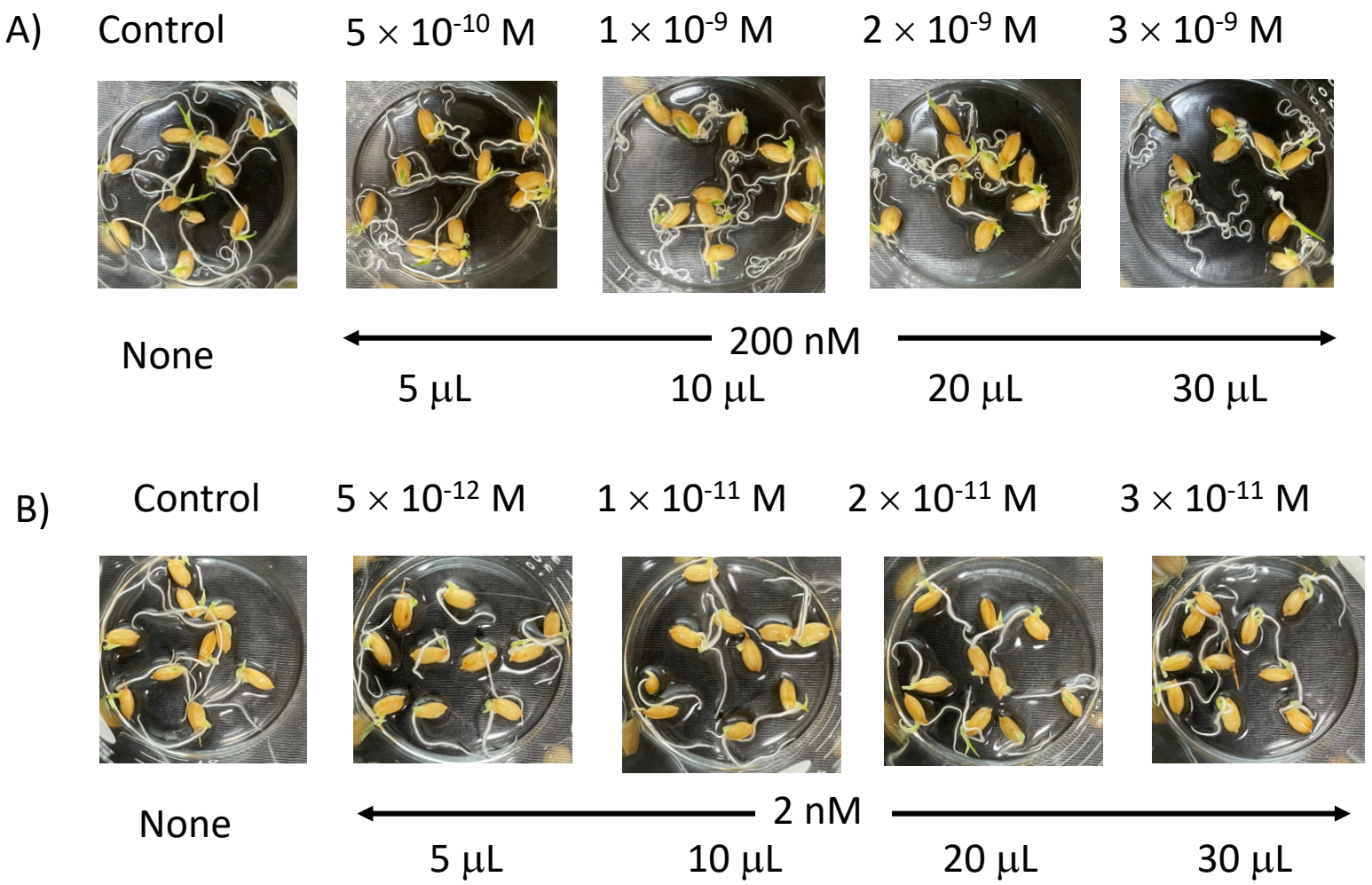

Fig. S2. Concentration-response was examined for brassinolide (**1**). Various volumes of 200 nM (A) and 2 nM (B) of stock solutions were added to the2 ml of water. All treatments in (A) are effective, but all treatments in (B) were not effective.

Supplement Fig. S3

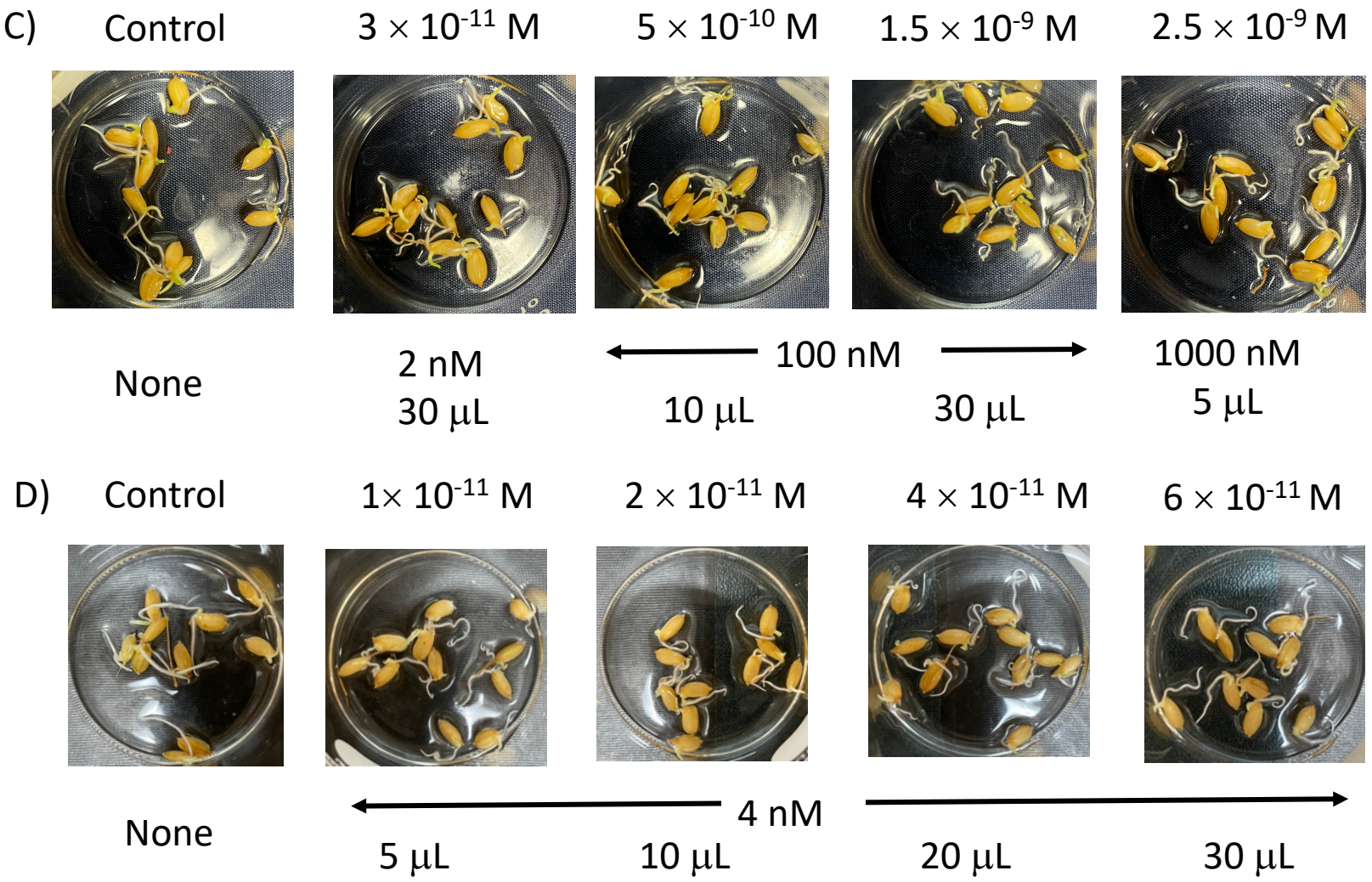

Fig. S3. Concentration-response was examined for brassinolide (**1**). Various volumes of various stock solutions (2 nM, 4 nM, 100 nM and 1000 nM) were added to 2 ml of water. In these experiments, we determined that treatments with the concentration lower than 4 x10^{-11} M was not effective, but treatments with higher than 6 x10^{-11} M were effective.

Supplement Fig. S4

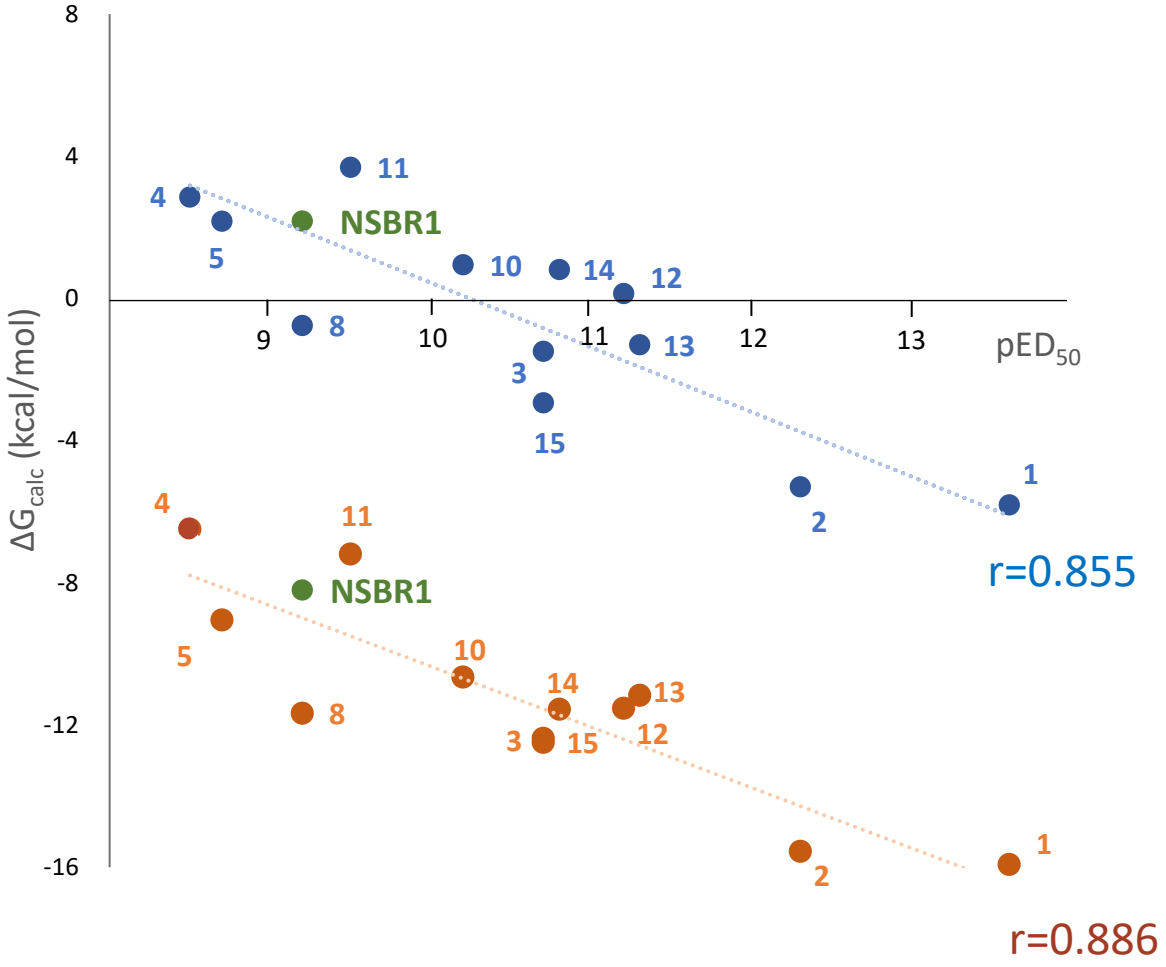

Fig. S4. Relationship between the ΔG_{bind} calculated in the MM/PBSA and the pED_{50} measured in the RLIA. ΔG_{bind} included in blue line is calculated using the lowest interior dielectric constant (ε_i=1), and that for red line is calculated using ε_i=2. Numbers correspond to the compound number listed in Table 1. ΔG_{bind} is corrected by adding ΔG_{conf_ligand} (Ref. 25).