

**Table S1** Nine plant hormones that were examined to determine the effects of hormones on the elongation of *sped1-D*'s pedicels and peduncles.

Phytohormone	Concentration	Panicle type
IAA	20mg/L and 150mg/L	Clustered panicle
ZT	20mg/L and 150mg/L	Clustered panicle
ABA	20mg/L and 150mg/L	Clustered panicle
6-BA	20mg/L and 150mg/L	Clustered panicle
NAA	20mg/L and 150mg/L	Clustered panicle
Epibrassinolide	0.01mg / L	Clustered panicle
Cytokinin	0.001g/L	Clustered panicle
2, 4-D	40ppm, 80ppm, 120ppm, 160ppm	Clustered panicle
GA3	50mg/L, 100mg/L, 150mg/L	Clustered panicle