

Supplementary Methods S1. Step-by-step RNA extraction protocol for plant tissues.

The RNA from the roots, stem and leaves of *B. amurensis* was extracted using the Huayueyang kit. The specific steps are as follows:

- (1) Grind 30 mg frozen tissue using a DHS SV48R High Flux Frozen Tissue grinder (30 Hz, 2 min) purchased from Dinghaoyuan Biotechnology Co., Ltd (Tianjin, China).
- (2) Lyse in 450 μ L Lysis buffer (β -mercaptoethanol added).
- (3) Pass lysate through the spin columns (Huayueyang) at 12,000 \times g, 5 min.
- (4) Transfer supernatant to a new tube.
- (5) Add equal volume of Binding buffer, mix by inversion.
- (6) Load mixture onto spin column. Centrifuge at 12,000 \times g for 1 min.
- (7) Perform on-column DNase I digestion (15 min, 25°C).
- (8) Add 500 μ L of Deinzyme solution, mix by inversion. Centrifuge empty column at 12,000 \times g for 2 min to dry.
- (9) Elute RNA in 30 μ L RNase-free H₂O. Centrifuge empty column at 12,000 \times g for 2 min to dry.