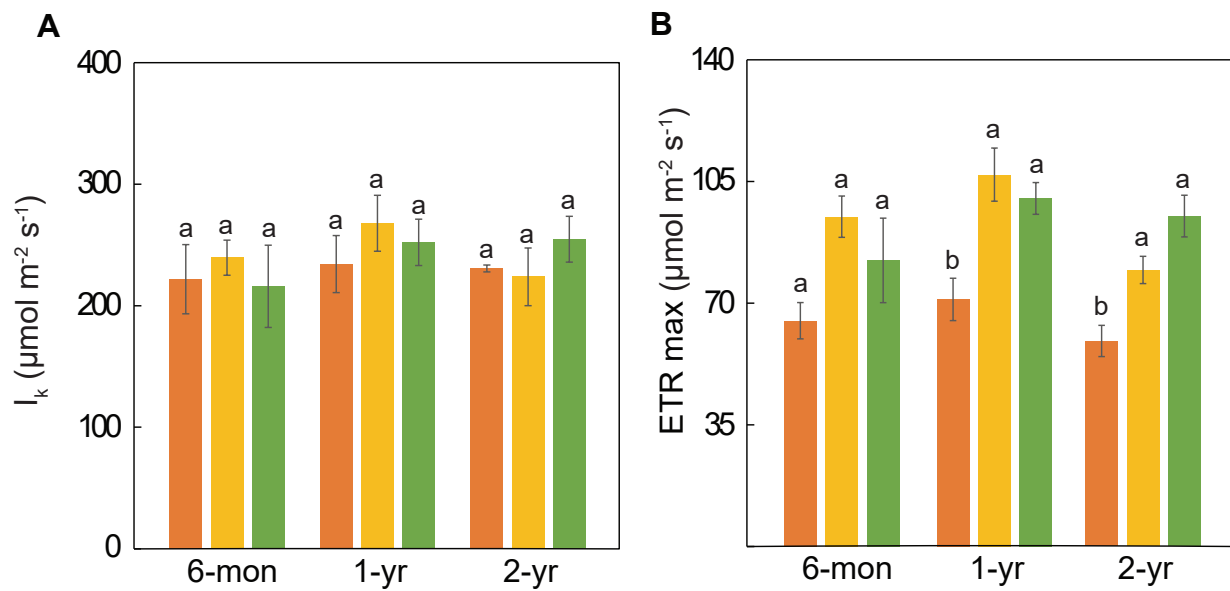
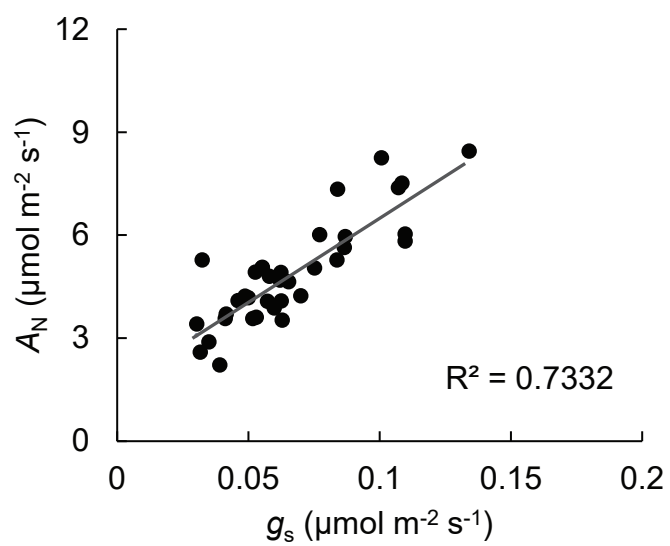


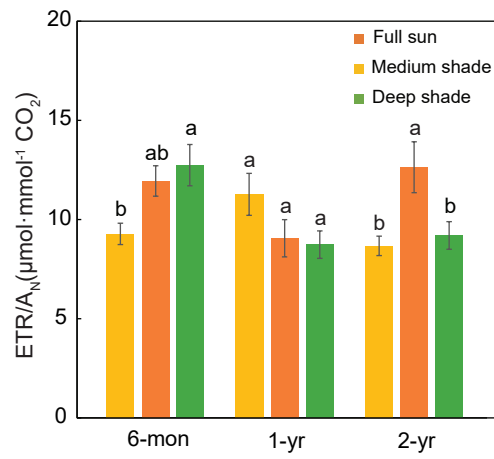
Supplementary Figure S1. Chlorophyll contents of *Phoebe bournei* with different ages under sun and shade treatments. Contents of chlorophyll a (**A**), chlorophyll b (**B**) and the sum of chlorophyll a and b (**C**). (**D**) Chlorophyll a/b, the ratio of chlorophyll a to chlorophyll b. Values (mean \pm S.E., n=3) followed by different letters for each plantlets age under three light treatments are significantly different at $P < 0.05$ based on LSD test.



Supplementary Figure S2. The chlorophyll fluorescence parameter of *Phoebe bournei* with different ages under sun and shade treatments. (A) I_k , the light saturation point. (B) ETR_{max}, maximum rate of electron transport. Values (mean \pm S.E., n=4) followed by different letters for each plantlets age under three light treatments are significantly different at $P < 0.05$ based on LSD test.



Supplementary Figure S3. Positive correlations between A_N and g_s of *Phoebe bournei*.



Supplementary Figure S4. The responses of ratio of electron transport rate to net photosynthetic rate ($ETR(II)/A_N$) to sun and shade of *Phoebe bournei* with different ages. Values (mean \pm S.E., $n=4$) followed by different letters for each plantlets age under three light treatments are significantly different at $P < 0.05$ based on LSD test.