

**Additional file 4.** Correlation between the total *GAUT12.1* transcript expression and plant growth in *P. deltoides PtGAUT12.1*-OE transgenic and control lines. (**a**) Height and (**b**) radial diameter of 3-month-old greenhouse-grown poplar plants are plotted against the transcript expression level. Blue diamonds—WT; black diamonds—vector controls; red diamonds—*PtGAUT12.1*-OE lines (please note that on the graphs the WT blue diamonds may be obscured by the vector control black diamonds). *n* = 25 for WT, *n* = 10–15 for vector control and *PtGAUT12.1*-OE lines.