

Additional file 8

File format: PDF

Title: Supplementary Figure S4

Description:

Figure S4. Validation of microarray data via qRT-PCR using leaves from two other sexually mature *P. deltoides* trees (Tree 1 and Tree 2), predictive significance (p -value) and relationship strength (R^2 value) with microarray intensity values. (A) Alcohol dehydrogenase 2 (POPTR_0002s07290.1): For Tree 1, $p=0.007$ and $R^2=0.54$; For Tree 2, $p=0.16$ and $R^2=0.19$. (B) Abscisic acid (ABA) analysis in poplar (*P. deltoides*) leaves in April, May, June, and July. (C) Cationic peroxidase 1 (POPTR_0016s14030.1): For Tree 1, $p=0.164$ and $R^2=0.18$; For Tree 2, $p=0.019$ and $R^2=0.44$. (D) Thaumatin-like protein (POPTR_0018s10490.1): For Tree 1, $p<0.001$, $R^2=0.88$; For Tree 2, $p=0.003$ and $R^2=0.59$. (E) Blight-associated p12 (POPTR_0006s19310.1): For Tree 1, $p=0.06$, $R^2=0.30$, For Tree 2, $p=0.016$ and $R^2=0.46$. (F) Phenylcoumaran benzylic ether reductase (POPTR_0002s03580.1): For Tree1, $p=0.002$, $R^2=0.64$; For Tree 2, $p=0.51$ and $R^2=0.042$. (G) Dehydration stress-induced protein (POPTR_0007s05650.1): For Tree 1, $p=0.001$ and $R^2=0.65$; For Tree 2, $p<0.001$ and $R^2=0.78$. (H) Wound-responsive (POPTR_0010s16050.1): For Tree 1, $p=0.04$, $R^2=0.35$; For Tree 2, $p=0.7$ and $R^2=0.014$.

