Supplementary Material

## Supplementary Figures



(A)



(B)



(C)



(D)

Supplementary Figure 1 Venn diagram of Unigenes annotated in the Nr, SwissProt, KOG and KEGG database (A); Nr Database annotated statistical chart of homologous species (B);GO Functional classification(C);KOG function classification of Unigenes in Chinese fir transcriptome(D).



Supplementary Figure 2 Statistical histogram of differentially expressed genes between groups (A).



(A)



(B)

Supplementary Figure 3 Expression thermography of PAP, ACP and SPX genes in phosphorus response genes (A); Thermograms of key genes for organic acid synthesis and metabolism (B).