**Table S4** **the representative genes of up- and down-regulated DEGs in xylem of Chinese fir at different phases**

|  |  |  |
| --- | --- | --- |
| 7Y vs. 15Y | 7Y vs. 21Y | 7Y vs. 21Y |
| Up-regulated genes | Down-regulated genes | Up-regulated genes | Down-regulated genes | Up-regulated genes | Down-regulated genes |
| c102369.graph\_c0 | c98589.graph\_c0 c92682.graph\_c0 | c104277.graph\_c0 c41392.graph\_c0 c42066.graph\_c0 c47049.graph\_c0 c57402.graph\_c0 c65951.graph\_c0 c73769.graph\_c0 c78276.graph\_c0 c84116.graph\_c0 c85267.graph\_c0 c87436.graph\_c0 c90898.graph\_c0 c98674.graph\_c0 c98823.graph\_c0 | c100636.graph\_c0c103311.graph\_c0 | c100000.graph\_c0 c100000.graph\_c1 c100033.graph\_c0 c100040.graph\_c0 c100043.graph\_c0 c100047.graph\_c0 c100077.graph\_c0 c100082.graph\_c0 c100086.graph\_c0 c100088.graph\_c0 c100095.graph\_c0 c100109.graph\_c0 c100128.graph\_c0 c100130.graph\_c0 c100358.graph\_c0 c100361.graph\_c0 c100391.graph\_c0 | c100008.graph\_c0 c100048.graph\_c0 c100052.graph\_c1 c100068.graph\_c0 c100104.graph\_c0 c100136.graph\_c0 c100145.graph\_c0 c100154.graph\_c0 c100167.graph\_c0 c100184.graph\_c0 c100200.graph\_c1 c100213.graph\_c0 c100225.graph\_c0 c100227.graph\_c0 c100243.graph\_c0 c100246.graph\_c0 c100260.graph\_c0  |