**Supplementary Information**

Title: Genome-Wide Identification and Expression Analysis of *Protein Arginine Methyltransferase* (*PRMT*) and *JmjC Domain-Containing* Family (*JMJ*) in Apple

**Authors:** Shenghui Su, Min Ji, Jiaqi Chen, Meidie Zhang, Yongbing Yuan, Jiyun Nie, Xiaozhao Xu\*, Chenxia Cheng \*

**Institution for all authors:** College of Horticulture, Qingdao Agricultural University, 700 Changcheng Road, Qingdao 266109, Shandong, China.

\* Correspondence:201801006@qau.edu.cn; chengchenxia@qau.edu.cn;

**Submitting author:** Xiaozhao Xu.



**Figure S1.** Expression profiles of the apple *MdPRMT* and *MdJMJ* genes during root response to IBA treatment (SRP330812). Different shades of red and blue denote the extent of the expression values according to the colour bar provided (log2(FPKM+1)).



Figure S2. The *cis*-elements analysis of *JMJ* and *PRMT* promoters in apple and *Arabidopsis*. (**A**) The distribution of *cis*-elements in the promoter of each *JMJ* genes. (**B**) The distribution of *cis*-elements in the promoter of each *PRMT* genes.