***Supplementary Material***

Transcriptomic analysis reveals ethylene signal transduction genes involved in pistil development of pumpkin

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**Supplementary Table 1. Primers used in this study.**

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| Primer | Primer Sequence（5’-3’） |
| *ACTIN-F*  *ACTIN-R* | AGCCATCTCTCATCGGTAT  CATGGTTGAACCACCACTG |
| *AUX-IAA-F*  *AUX-IAA-R* | ATTCCAATCTCGCACTT  CTCAGCCTCTTTACATCC |
| *ARF-F*  *ARF-R* | CTGTCGCTTGTTCGGGATC  TGGCTGGTCTGAGTTCTGC |
| *TF-F*  *TF-R* | CGGGCAAGATTCTCCAT  CACGGTTCCAACGACAC |
| *ETR-F*  *ETR-R* | GCCTTGAACTATCAGATACCA  CAGGAACTCGCACAGCA |
| *TCH4-F*  *TCH4-R* | AACGGCGACCTTCTTAC  GGAGTTTCCAGGCACAA |
| *CYCD3-F*  *CYCD3-R* | CGAGACGGCATTGTTAC  TTTGGTCCTTTGGTTGG |
| *JAR1-F*  *JAR1-R* | AAGCACGATGAAGACGA  TACAAAGATTGGTGGAAGT |
| *NPR1-F*  *NPR1-R* | AACGCATCATCCACAGC  AGATAAACCAACCTCGTGTC |
| *TGA-F*  *TGA-R* | CAGCCATCGTCAAACCA  ACCCATAACGCCACCAC |
| *ERDBF3-F*  *ERDBF3-R* | TTGTCACTCCAAGCGATGT  AGGGTCCTCAAAGTTCAAGAT |
| *ERTF10-F*  *ERTF10-R* | AAGCGGCAAGAGCGTAT  GGAGTCCGACAGCATTTC |
| *AP23100-F*  *AP23100-R* | GAAGATTAGTGAGCGGATGA  CCGTTGCTGCCTCGTGT |
| *ACO-F*  *ACO-R* | CCGACGAATACAGAGCC  CTCGCAAAGTAAATCCAAA |
| *PAL-F*  *PAL-R* | CGCTCCCTTCCAACAAC  TCAGCCAACTCGACCAT |