***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* | AGCCATCTCTCATCGGTATCATGGTTGAACCACCACTG |
| *AUX-IAA-F**AUX-IAA-R* | ATTCCAATCTCGCACTTCTCAGCCTCTTTACATCC |
| *ARF-F**ARF-R* | CTGTCGCTTGTTCGGGATCTGGCTGGTCTGAGTTCTGC |
| *TF-F**TF-R* | CGGGCAAGATTCTCCATCACGGTTCCAACGACAC |
| *ETR-F**ETR-R* | GCCTTGAACTATCAGATACCACAGGAACTCGCACAGCA |
| *TCH4-F**TCH4-R* | AACGGCGACCTTCTTACGGAGTTTCCAGGCACAA |
| *CYCD3-F**CYCD3-R* | CGAGACGGCATTGTTACTTTGGTCCTTTGGTTGG |
| *JAR1-F**JAR1-R* | AAGCACGATGAAGACGATACAAAGATTGGTGGAAGT |
| *NPR1-F**NPR1-R* | AACGCATCATCCACAGCAGATAAACCAACCTCGTGTC |
| *TGA-F**TGA-R* | CAGCCATCGTCAAACCAACCCATAACGCCACCAC |
| *ERDBF3-F**ERDBF3-R* | TTGTCACTCCAAGCGATGTAGGGTCCTCAAAGTTCAAGAT |
| *ERTF10-F**ERTF10-R* | AAGCGGCAAGAGCGTATGGAGTCCGACAGCATTTC |
| *AP23100-F**AP23100-R* | GAAGATTAGTGAGCGGATGACCGTTGCTGCCTCGTGT |
| *ACO-F**ACO-R* | CCGACGAATACAGAGCCCTCGCAAAGTAAATCCAAA |
| *PAL-F**PAL-R* | CGCTCCCTTCCAACAACTCAGCCAACTCGACCAT |