

**Supplementary Table S1 Primers used in this study**

| <b>Primer name</b>                                 | <b>Sequence (5'–3')</b>                        |
|----------------------------------------------------|------------------------------------------------|
| <b>Primers for cloning</b>                         |                                                |
| Pre-Aa-miR158-F                                    | GAAGTTTTGTCAACAATTCCTTGTTAGT                   |
| Pre-Aa-miR158-R                                    | AAAAGGATATGGATTGTGTCAGCGA                      |
| <b>Primers for producing overexpression vector</b> |                                                |
| Pre-Aa-miR158m-F                                   | gaagatctGAAGTTTTGTCAACAAT                      |
| Pre-Aa-miR158m-R                                   | actagtAAAAGGATATGGATTGTGTCAGC                  |
| <b>Primers for transient overexpression vector</b> |                                                |
| Pre-Aa-miR158-SK62-F                               | CGGTGGCGGCCGCTCTAGAACTAGTgaagttttgtcaacaat     |
| Pre-Aa-miR158-SK62-R                               | CGAATTCCTGCAGCCCCGGGGATCCaaaaggatatggattgtcagc |
| <b>Primers for GFP vector</b>                      |                                                |
| c48247Tar-pGreen-F                                 | CTAGAATGgACTCTAAATTGTGACAAAACCC                |
| c48247Tar-pGreen-R                                 | GGGTTTTGTGACAAATTTAGAGTccatT                   |
| <b>Primers for qRT-PCR</b>                         |                                                |
| Aa-miR158q-F                                       | CGGTTTTGTGACAAATTTAGAGTC                       |
| 5SrRNA-F                                           | GATGCGATCATACCAGCACTAA                         |
| 5SrRNA-R                                           | GATGCAACACGAGGACTTCCC                          |
| c48247-F                                           | CTCTGGTCTCCTCAATGCCATAAGC                      |
| c48247-R                                           | GTAGTCGCTCGTCAAGGTCTGAATG                      |
| AaAPX1-F                                           | CTCAGCCACGGGGCCAACAA                           |
| AaAPX1-R                                           | GGGATCTCAGGCCCTCCGG                            |
| AaCAT3-F                                           | CGCCCTTCCAGCGCGTATGA                           |
| AaCAT3-R                                           | ATGCGCTCCCGAGCGAAGT                            |
| AaGADPH-F                                          | CCGAGTTCCCACTGTGCGATG                          |
| AaGADPH-R                                          | AATGCTCGACCTGCTGTAC                            |
| AtCOR15a-F                                         | GCAGATGGTGAGAAAGCGAAAGAC                       |
| AtCOR15a-R                                         | CGGCTTCTTTTCCTTTCTCCTC                         |
| AtCBF1-F                                           | GGCGTTGGCTTTTCAAGATG                           |
| AtCBF1-R                                           | AAGTCGGCATCCCAAACATT                           |
| AtCAT3-F                                           | AATCAACGGCGGAGGTCAT                            |
| AtCAT3-R                                           | AGCGTCAATGGCACTACCAA                           |
| AtAPX2-F                                           | TCAGGATTCGAGGGTGCATG                           |
| AtAPX2-R                                           | AAGGCATCCTCATCTGCAGC                           |
| AtTUB2-F                                           | CCAGGGTGGTCAATGCG                              |
| AtTUB2-R                                           | TCCCAGGCTCCAAATCC                              |
| <b>Primers for DNA detection</b>                   |                                                |
| pCAMBIA1302-F                                      | ATTGTCGTTTCCCGCCTTC                            |
| Aa-miR158i-R                                       | AAAAGGATATGGATTGTGTCAGCGA                      |
| <b>Primers for 5'-RLM-RACE PCR</b>                 |                                                |
| Gene-specific outer primer-R                       | TCAACAATTCCTTGTTAGTCGTT                        |

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|------------------------------|------------------------|
| Gene-specific inner primer-R | ATATGCCAACGGAAGTTGTGTC |
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