Supplementary table 1: List of *LEA2* genes specific primers for qRT-PCR analysis

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| NO. | gene ID | Forward primer (5' to3') | Reverse primer (3' to 5') |
| 1 | CotAD\_01298 | AGTAGCGACGACGGCGAG | GCAACAGAACCCAAACAC |
| 2 | CotAD\_01321 | GTTTTCTACTTTTCGGTC | GTTGGGATTCCTCACTTC |
| 3 | CotAD\_00275 | ACCCTTTCGTCGTTTCAT | AGTTGTCTCGTTTTTGCT |
| 4 | CotAD\_00465 | AGAAGGGGATTATGGGGA | TTGAGCTTTGTAAGGGCG |
| 5 | CotAD\_11658 | CCCAAGCACAACTCTAAT | GGACGACGAAGGATGACA |
| 6 | CotAD\_00808 | CCCCATTGTTGCACCCTT | CAAACTCCTTCCACCGCC |
| 7 | CotAD\_01385 | CTCAGACTATCGTCCGCCA | GCAATCCAATCCATTCCAC |
| 8 | CotAD\_08181 | TAGTGCCATCTTCACCCAT | TATTCTCCATCTCACCCAG |
| 9 | CotAD\_11878 | ATCCCACCACCTACAAGAA | CGGAAGATGAGCCAAAAGA |
| 10 | CotAD\_11879 | CCCCGTTTTATCAAGGACA | TCATCAGCACCAAGCCTAA |
| 11 | CotAD\_06037 | CACGGTTTATGACTTTCC | TTTGTAGCCTTCTTTCTG |
| 12 | CotAD\_03037 | GTTGTTGCCTTTTCCTCCT | GTATTGAACCGCTACTTGT |
| 13 | CotAD\_03649 | CCCAGAAGCCCAAGATTA | TGTTGCCACCCCTGTAAA |
| 14 | CotAD\_44357 | GAAGATGTCGTATGGGTC | CTCTCTGGAATGGTGAAT |
| 15 | CotAD\_05725 | TGGTCGGGTCAGTTTTTT | GTCGTCTTCGGTTCTTGG |
| 16 | CotAD\_20020 | CCAGGAATCCCAACGAAA | CAAAGGCAAAACCAGCAC |
| 17 | CotAD\_13584 | ATTGAGACTGCGGGTGAG | TGTGATGGCGTTGTTAGC |
| 18 | CotAD\_17101 | GGCTTACTACGAGGACCAA | CACCAAGGATAACCAGATG |
| 19 | CotAD\_17102 | CGACCTCTACGCCACCTAC | TGACATCCTTGTGACCCTG |
| 20 | CotAD\_09732 | CAACTCTACTCGGAAGGAC | CACACAAGGAATCAAAACC |
| 21 | CotAD\_21731 | AAAGCCACCTGGATACAAA | AGCAACAACAAGCACGACC |
| 22 | CotAD\_01700 | ACGTCATCCAAATTCCCAAG | CGGGCTTGAAAACGAAGTAA |
| 23 | CotAD\_07087 | AGAGGGTTTTCTGGGTGGAT | AGCAAAGATCCCATCACCAC |
| 24 | CotAD\_08837 | CGCTCTTCCTCTTCTTCTGC | CCATCCAAGGAGGAAGGATT |
| 25 | CotAD\_09685 | CGTGCACGGAACTAAAAACA | CAACCCTTATCCCGACCTTT |
| 26 | CotAD\_10376 | TACGACCCATTCACCCTCTC | ACGGGATCCCATTTTTCTTC |
| 27 | CotAD\_11876 | ACAAATCACCCTCCGAACAG | TCCCAACTTTCCATCTCACC |
| 28 | CotAD\_12375 | AGCTCCGAACATGCTCACTT | GTTGCCCGTAAACCTTGATG |
| 29 | CotAD\_13827 | CCCAATTACGATCACGACCT | GGACACTTGGGAGGAAAACA |
| 30 | CotAD\_16731 | AGTGCTCCCTTGGTTCCTCT | ATCCCCAGAATGACGATCAG |
| 31 | CotAD\_19078 | GTTCCGATCGGTTCAGGTTA | TTGAGCTCTCCCGGTAGGTA |
| 32 | CotAD\_21924 | TCGATATAGGGGAGGGTTCC | GCTCCCATCTTTGCTTTCAC |
| 33 | CotAD\_31344 | AGATGGAGAGCGTGAGAAGG | TGTTGACACCCCCGTAAAAT |
| 34 | CotAD\_31869 | TGGGTCCAGAACAAGCAGAT | TGGCCTTGGAAGTACAGCTT |
| 35 | CotAD\_33144 | AATCCGATCACGGTTCCATA | CCAAAAACGGGTCTCAACAT |
| 36 | CotAD\_34798 | AGTGCTCCCTTGGTTCCTCT | ATCCCCAGAATGACGATCAG |
| 37 | CotAD\_36328 | ACCCTACCAAACCCCATTTC | GGGGATCAATGTCGGTAAAG |
| 38 | CotAD\_37888 | GAAGGCCTCCTTGAAGATGA | GAAATCTGAACCCGCTTGAA |
| 39 | CotAD\_41571 | CACTCTCCTCGACACCACTG | TATGGCCTTGGTACGTTGGT |
| 40 | CotAD\_48469 | TGATAAAGGGTGGCCTGAGT | CACTGCAAAGCTCTTGACCA |
| 41 | CotAD\_49818 | ATCGATTTCCGTTTTGGTTG | GATACCGGCTTGAAGCAAGA |
| 42 | CotAD\_59405 | CTCCACTCCCAATTTCCTCA | CGTAGATGAAAGGGGACCAA |
| 43 | CotAD\_64004 | TCGCTGCTTTGTTCATCATC | ATTTTTGACGGAGACGTTGG |
| 44 | CotAD\_65119 | TTAGAGCTCGGAATGGGAAC | CCTCCACTTGGTCTGCTTGT |
| 45 | CotAD\_66538 | CCAATTCACACTGCTCTCCA | GCAGCCCTGTTCCTTGTAAA |
| 46 | CotAD\_70190 | CAGGCTTGATTCCAGATGCT | CAAGTGCATTGAGTCCCAAG |
| 47 | CotAD\_72913 | AAGAACCCAAACCCTGTTCC | GATGCTGCCAGGCTTAATGT |
| 48 | CotAD\_24498 | CGAACATCCATCCCTCCAAC | ATCATCAAGAAAACCGACCC |