Table S4. Primers used in this study

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| Full length constructs for overexpression |
| Primer name  | Sequence |
| AN1599\_R | GCACTAGTTCATGTGTTTCTATCTGCGCAA |
| AN1599\_F | GCACTAGTATGTACCCGTGGAGTTCGACA |
| AN3250\_F | TTGGGCCCATGGTCCCCAACGGCGAGAGA |
| AN3250\_R | GCACTAGTCTACGGCACAGGAACAAAATTAG |
| Checking the integration of the constructs |
| GPD\_3’F | CCATCCTTCCCATCCCTTAT |
| AN1599\_418R | CAATTCTGCGGACGACAATA |
| AN3250\_573R | GCATCGTGGAGGTTCTTGAT |
| Quantitative real-time PCR |
| Actin\_F | GTAAGGATCTGTACGGCAAC |
| Actin\_R | AGATCCACATCTGTTGGAAG |
| AN1599\_2F | GAATGGCGTAGGACTGTTG |
| AN1599\_2R | CGTATCCATAAACTCGGTAATC |
| AN1594\_F | TGGAGGTCTTGACAGAGATG |
| AN1594\_R | CTCCATTGTGCAGGTAATTC |
| AN1598\_F | GACCACTCTCAACAAGATGC |
| AN1598\_R | CTGAAATGCGTTCCTTTG |
| AN3250\_5F | AACACGTCTTTTCCGCTATC |
| AN3250\_5R | GATCAAAGAGTGAGCTTTCG |
| AN3252\_6F | TCGCAGAGTGCAAAAGATAG |
| AN3252\_6R | TCTGTGACATCGACAAACAC |
| AN3253\_F | AGTACTGGGATTTGGCTACG |
| AN3253\_R | ATGCACCAGATAGTTCTTCG |
| AN1588\_F | GACCAGAGGGGATGTTCTAC |
| AN1588\_R | ACTCTGTCCCTGGAATGAAG |
| AN1589\_F | CAAGATTCTGCGTCTTCATC |
| AN1589\_R | TAATAGGCGAATCTGGTGTC |
| AN1590\_F | GATATTGTAGCCCTGTGTGC |
| AN1590\_R | ACATGCTGATCACGTAAAGC |
| AN1591\_F  | AAATAGACGACTCCCACCTG |
| AN1591\_R | CCGTCTACCAAGTAGTCACG |
| AN1592\_F | TGGGCTTTACTTTCAGATCC |
| AN1592\_R | TGTTCTTGGCCCCTTCTC |
| AN1593\_F | GTCACGGCGATTTATCTTG |
| AN1593\_R | CAGCATTGCCTTTTGAGG |
| AN1595\_F | GACCGCAAGTATCTCGTG |
| AN1595\_R  | TGGGTAAATGCATAACCATC |
| AN1596\_F | GCAGCAGAAGAAGCTGAAC |
| AN1596\_R | GGGAGGAGGTTCTGAATAAAG |
| AN1597\_F  | GCATAGCTGGTGGTATATCG |
| AN1597\_R | AGCTAGCATTCTTGCGTTC |
| AN1600\_F | CATTCATTCGCTTGTAGAGG |
| AN1600\_R | CACCTTTTCTGTTTCCACAC |