**Table S1.** List of the primer used in this study.

 Namea  Sequence( 5’ 3’)

|  |  |  |
| --- | --- | --- |
| LLGL2 | F | GCGTGTGTTCGAGATGGTGGAG |
|  | R | TGGCTGCTGAGGAAGTGGTAGAG |
| GAPDH | F | AACGGATTTGGTCGTATTGG |
|  | R | TTGATTTTGGAGGGATCTCG |

a F, forward primer; R, reverse primer.

**Table S2.** List of the three candidate interference sequences of LLGL2 used in this study.

|  |  |  |
| --- | --- | --- |
| Sequences 1 | sense | 5′-ccggccCTTTCCTTGCAAAGCGATTctcgagAATCGCTTTGCAAGGAAAGggtttttg-3′ |
| Sequences 2 | sense | 5′-ccggccAGTTTAACAAGACGGTGGActcgagTCCACCGTCTTGTTAAACTggtttttg-3′ |
| Sequences 3 | sense | 5′-ccggTGGCAACGTGTTTGTGGTGCActcgagTGCACCACAAACACGTTGCCAtttttg-3′ |
| LLGL2 NM\_001015002(samesense) | sense | 5′-ATGAGGCGGTTCCTGAGGCCAGGGCATGACCCTGTGCGGGAGAGGCTCAAGCGGGACCTGTTTCAATTCAATAAAACTGTAGAGCATGGCTTCCCGCACCAGCCCAGCGCCCTCGGCTACAGCCCGTCCCTGCGCATCCTGGCCATCGGCACCCGTTCTGGAGCCATCAAGCTCTACGGAGCCCCAGGCGTGGAGTTCATGGGGCTGCACCAGGAGAACAACGCTGTGACGCAGATCCACCTCCTGCCCGGCCAGTGCCAGCTGGTCACCCTGCTGGATGACAACAGCCTGCACCTTTGGAGCCTGAAGGTCAAGGGCGGGGCATCGGAGCTGCAGGAGGATGAGAGCTTCACACTGCGTGGACCCCCAGGGGCTGCCCCCAGTGCCACACAGATCACCGTGGTCCTGCCACATTCCTCCTGCGAGCTGCTCTACCTGGGCACCGAGAGCGGTAATGTATTCGTAGTACAGCTGCCAGCTTTTCGTGCGCTGGAGGACCGGACCATCAGCTCGGACGCGGTGCTGCAGCGGTTGCCAGAGGAGGCCCGCCACCGGCGTGTGTTCGAGATGGTGGAGGCACTGCAGGAGCACCCTCGAGACCCCAACCAGATCCTGATCGGCTACAGCCGAGGCCTCGTTGTCATCTGGGACCTACAGGGCAGCCGCGTGCTCTACCACTTCCTCAGCAGCCAGCAACTGGAGAACATCTGGTGGCAGCGGGACGGCCGCCTGCTCGTCAGCTGTCACTCTGACGGCAGCTACTGCCAGTGGCCCGTGTCCAGCGAAGCCCAGCAACCAGAGCCCCTCCGCAGCCTCGTGCCTTACGGTCCCTTTCCTTGCAAAGCGATTACCAGAATCCTCTGGCTGACCACTAGGCAGGGGTTGCCCTTCACCATCTTCCAGGGTGGCATGCCACGGGCCAGCTACGGGGACCGCCACTGCATCTCAGTGATCCACGATGGCCAGCAGACGGCCTTCGACTTCACCTCCCGTGTCATCGGCTTCACTGTCCTCACAGAGGCAGACCCTGCAGCCAGTAGGAGAGCTTCGGGAGTGGGTGCCCAGGGTTAG-3′ |