Supplementary Table S1 Primers used in the construction of binary vectors

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| Vector | Primer | Sequence（5’-3’） | Method |
| ProACTIN2:UPL3-GFP | P1-FP | TGACCTCGAGACTAGTATGGAAACTCGGAGCCGCAAG | Infusion |
|  | P1-RP | GTGGTTGAAGCTGGAGTTGAC |  |
|  | P2-FP | TCCAGCTTCAACCACTCGT |  |
|  | P2-RP | GTGGAGGTCCCCCGGGTGAGAGGTCGAACGATCCTTGC |  |
| ProACTIN2:UPL3(m)-GFP | P3-FP | AGTGTCATGACTGGCGCAAACTAC | Infusion |
|  | P3-RP | GTAGTTTGCGCCAGTCATGACACT |  |
| ProUPL3:UPL3-GFP | P5-FP | ATGGAAACTCGGAGCCGCAAG | Infusion |
|  | P2-RP | GTGGAGGTCCCCCGGGTGAGAGGTCGAACGATCCTTGC |  |
|  | P4-FP | CAATGATTACGAATTCCTGCAGTCCGCTGGCAGATAGTTTCA |  |
|  | P4-RP | GTCCTTGTAGTCCATTCTAGACGGCTCCGAGTTTCCATACA |  |
| ProUPL3:UPL3(m)-GFP | P5-FP | ATGGAAACTCGGAGCCGCAAG | Infusion |
|  | P2-RP | GTGGAGGTCCCCCGGGTGAGAGGTCGAACGATCCTTGC |  |
|  | P4-FP | CAATGATTACGAATTCCTGCAGTCCGCTGGCAGATAGTTTCA |  |
|  | P4-RP | GTCCTTGTAGTCCATTCTAGACGGCTCCGAGTTTCCATACA |  |