**Table S1. Primers used in the protocol**

|  |  |
| --- | --- |
| Name | Primers |
| GENE-RGR-F1 | **XXXXXXXXXXXXXXXXXXXX**M6M5M4M3M2M1CTGATGAGTCCGTGAGGACGAAACGAGTAAGCTCGTC |
| GENE-RGR-F2 | GACGAAACGAGTAAGCTCGTCN1N2N3N4N5N6N7N8N9N10N11N12N13N14N15N16N17N18N19N20GTTTTAGAGCTAGAAATAGCAAG |
| UNIVERS-RGR-R | **ZZZZZZZZZZZZZZZZZZZZ**GTCCCATTCGCCATGCCGAAGC |
| ABP1-RGR-F1 | GTTTTTCTGATTAACAGCTCGC**AGCTCC**CTGATGAGTCCGTGAGGACGAAACGAGTAAGCTCGTC |
| ABP1-RGR-F2 | GACGAAACGAGTAAGCTCGTC**GGAGCT**CCTTGTCCCATCAAGTTTTAGAGCTAGAAATAGCAAG |
| UNIVERS-RGR-R | GCTAGCTTACTCAGTTAGGTCGTCCCATTCGCCATGCCGAAGC |
| SP6-P1 | GTCACTATTTAGGTGACACTATA**G**AAGCGGTTTTTCTGATTAACAGCTCGC |
| T7-P1 | GTCACTAATACGACTCACTATA**G**GGAGAGTTTTTCTGATTAACAGCTCGC |
| T3-P1 | GTCACAATTAACCCTCACTAAA**G**GGAGAGTTTTTCTGATTAACAGCTCGC |
| RGR-MfeI-F | GCTAGCTTACTCAGTTAGGTC |

*Note: Adaptor sequence including X and Y matches with your linearized vector sequence according to the Gibson assembly principle. RGR-MfeI-F, RGR-MfeI-R are used for amplifying RGR units from pHDE-35S-Cas9-mCherry-UBQ.*