Table S2: List of oligonucleotides for guide RNA design

|  |  |  |
| --- | --- | --- |
| **Target Gene** | **Sequence** | **Source** |
| GFP 1 F  | TAATACGACTCACTATAG GTGAACCGCATCGAGC | This study |
| GFP 1 R  | TTCTAGCTCTAAAACTTCAGCTCGATGCGGTTCA | This study |
| GFP 2 F  | TAATACGACTCACTATAG GGAGCGCACCATCTTC | This study |
| GFP 2 R  | TTCTAGCTCTAAAACTGAAGAAGATGGTGCGCTC | This study |
| POLR2A 1 F  | TAATACGACTCACTATAGGGCAAAAACATATGCG | This study |
| POLR2A 1 R  | TTCTAGCTCTAAAACCCCTCGCATATGTTTTTGC | This study |
| POLR2A 2 F  | TAATACGACTCACTATAGGCAAAAACATATGCGA | This study |
| POLR2A 2 R  | TTCTAGCTCTAAAACACCCTCGCATATGTTTTTG | This study |
| ATG7 1 F  | TAATACGACTCACTATAGGTATGATGAGAACATG | This study |
| ATG7 1 R  | TTCTAGCTCTAAAACGCACCATGTTCTCATCATA | This study |
| ATG7 2 F  | TAATACGACTCACTATAGGAAGCTGAACGAGTAT | This study |
| ATG7 2 R  | TTCTAGCTCTAAAACGCCGATACTCGTTCAGCTT | This study |
| FIP200 1 F  | TAATACGACTCACTATAGGTGTACCTACAGTGCT | This study |
| FIP200 1 R  | TTCTAGCTCTAAAACTCCCAGCACTGTAGGTACA | This study |
| FIP200 2 F  | TAATACGACTCACTATAGGATGAACATCTTCAAC | This study |
| FIP200 2 R  | TTCTAGCTCTAAAACTGGTGTTGAAGATGTTCAT | This study |
| STX17 1 F  | TAATACGACTCACTATAGGATAGTAATCCCAACA | This study |
| STX17 1 R  | TTCTAGCTCTAAAACGGTCTGTTGGGATTACTAT | This study |
| STX17 2 F  | TAATACGACTCACTATAGGTATCAAAGGTGCAGA | This study |
| STX17 2 R  | TTCTAGCTCTAAAACAGATTCTGCACCTTTGATA | This study |
| PTEN 1 F  | TAATACGACTCACTATAGGCAGCAATTCACTGTA | This study |
| PTEN 1 R  | TTCTAGCTCTAAAACGCTTTACAGTGAATTGCTG | This study |
| PTEN 2 F  | TAATACGACTCACTATAGGAGTAACTATTCCCAG | This study |
| PTEN 2 R  | TTCTAGCTCTAAAACCTGACTGGGAATAGTTACT | This study |
| ATG12 1 F  | TAATACGACTCACTATAGGAGCGAACACGAACCATCC | This study |
| ATG12 1 R | TTCTAGCTCTAAAACTGGATGGTTCGTGTTCGCT | This study |
| ATG12 2 F  | TAATACGACTCACTATAGGACATTTTGCTAAAGGCTG | This study |
| ATG12 2 R  | TTCTAGCTCTAAAACACAGCCTTTAGCAAAATGT | This study |
| LAMP2 1 F  | TAATACGACTCACTATAGGAGCTGTGCGGTCTTATGCA | This study |
| LAMP2 1 R | TTCTAGCTCTAAAACATGCATAAGACCGCACAGC | This study |
| LAMP2 2 F | TAATACGACTCACTATAGGTCCGAACTGCACTGCTATT | This study |
| LAMP2 2 R  | TTCTAGCTCTAAAACAAATAGCAGTGCAGTTCGG | This study |
| ULK2 1 F  | TAATACGACTCACTATAGGACACTTGATTTTCTGCGA | This study |
| ULK2 1 R  | TTCTAGCTCTAAAACATCGCAGAAAATCAAGTGT | This study |
| ULK2 2 F  | TAATACGACTCACTATAGGATGCGAATCCTGCACAGCA | This study |
| ULK2 2 R | TTCTAGCTCTAAAACTTGCTGTGCAGGATTCGCA | This study |
| Beclin1 1 F  | TAATACGACTCACTATAGGCCTGGACCGTGTCACCATC | This study |
| Beclin1 1 R  | TTCTAGCTCTAAAACGGATGGTGACACGGTCCAG | This study |
| Beclin1 2 F  | TAATACGACTCACTATAGGCACACGAAGCTCACCTGC | This study |
| Beclin1 2 R  | TTCTAGCTCTAAAACTGCAGGTGAGCTTCGTGTG | This study |
| ATG13 1 F  | TAATACGACTCACTATAGGCACATGGACCTCCCGACTG | This study |
| ATG13 1 R | TTCTAGCTCTAAAACGCAGTCGGGAGGTCCATGT | This study |
| ATG13 2 F  | TAATACGACTCACTATAGGAGTCGGGAGGTCCATGTGT | This study |
| ATG13 2 R  | TTCTAGCTCTAAAACCACACATGGACCTCCCGAC | This study |
| ATG3 1 F  | TAATACGACTCACTATAGGTAGATACATATCACAACA | This study |
| ATG3 1 R  | TTCTAGCTCTAAAACGTGTTGTGATATGTATCTA | This study |
| ATG3 2 F | TAATACGACTCACTATAGGAGCCGTTAAAGAGATCACA | This study |
| ATG3 2 R  | TTCTAGCTCTAAAACGTGTGATCTCTTTAACGGC | This study |
| VPS34 1 F  | TAATACGACTCACTATAGGGCAGGTCAGGGTATTTTA | This study |
| VPS34 1 R | TTCTAGCTCTAAAACGTAAAATACCCTGACCTGC | This study |
| VPS34 2 F | TAATACGACTCACTATAGGAGGGCCACTTGGGCATTC | This study |
| VPS34 2 R  | TTCTAGCTCTAAAACGGAATGCCCAAGTGGCCCT | This study |
| AMBRA 1 F  | TAATACGACTCACTATAGGCAGGAGCTGAGCCGTAGG | This study |
| AMBRA 1 R  | TTCTAGCTCTAAAACCCCTACGGCTCAGCTCCTG | This study |
| AMBRA 2 F  | TAATACGACTCACTATAGGTCGACGGGAACCCTTTGCT | This study |
| AMBRA 2 R  | TTCTAGCTCTAAAACCAGCAAAGGGTTCCCGTCG | This study |
| ATG5 1 F  | TAATACGACTCACTATAGGAACGTCAAATAACTTACTC | This study |
| ATG5 1 R | TTCTAGCTCTAAAACAGAGTAAGTTATTTGACGT | This study |
| ATG5 2 F  | TAATACGACTCACTATAGGATGAAGGCACACCACTGAA | This study |
| ATG5 2 R  | TTCTAGCTCTAAAACTTTCAGTGGTGTGCCTTCA | This study |
| eEF2a 1 F  | TAATACGACTCACTATAGGTCTCCGAGAGCTCGTAGAA | This study |
| eEF2a 1 R  | TTCTAGCTCTAAAACCTTCTACGAGCTCTCGGAG | This study |
| eEF2a 2 F  | TAATACGACTCACTATAGGCCGAGTCACCGATGGCGCA | This study |
| eEF2a 2 R  | TTCTAGCTCTAAAACATGCGCCATCGGTGACTCG | This study |
| PCNA 1 F  | TAATACGACTCACTATAGGCAAGGTATCCGCGTTATCT | This study |
| PCNA 1 R  | TTCTAGCTCTAAAACAAGATAACGCGGATACCTT | This study |
| PCNA 5 F  | TAATACGACTCACTATAGGCAGGTTGCGGTCGCAGCGG | This study |
| PCNA 5 R | TTCTAGCTCTAAAACACCGCTGCGACCGCAACCT | This study |