**S3 Table. Primers for complementation and amplification of sgRNA**

|  |  |  |
| --- | --- | --- |
| Name | Forward (5’-3’)\* | Reverse (5’-3’) |
| *optn* sgRNA template | GCG**TAATACGACTCACTATAG**GCT  GGAAAAAAGTGGAGCTGGTTTTAG  AGCTAGAAATAGCAAGTTAAAATA  AGGCTAGTC | GATCCGCACCGACTCGGTGCCACT  TTTTCAAGTTGATAACGGACTAGC  CTTATTTTAACTTGCTATTTCTAG  CTCTAAAAC |
| *p62*  sgRNA template | GCG**TAATACGACTCACTATAG**GGA  CCAGGAGGGCTAAAGTGGTTTTAG  AGCTAGAAATAGCAAGTTAAAATA  AGGCTAGTC |
| sg RNA amplify | GCGTAATACGACTCACTATAG | GATCCGCACCGACTCGGT |

\* T7 promoter: **TAATACGACTCACTATAG**. The underlined sequence indicates the target sites for gRNAs designed to mutate *optn* or *p62*