**Supplementary File 4. List of primers used in the study.**

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| **Primer** | **Sequence** |
| HindIII\_F1 | GACGTCAGACGCGGAAGCTTC  |
| NotI\_R1 | GGTTTATTGATTAACAAGCGGCCG |
| 2-7mer Forward adapter | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT**NNNNNTCTACCAACCTCCAGAGAGG** |
| rev\_index1 | CAAGCAGAAGACGGCATACGAGAT**CGTGAT**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index2 | CAAGCAGAAGACGGCATACGAGAT**ACATCG**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index3 | CAAGCAGAAGACGGCATACGAGAT**GCCTAA**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index4 | CAAGCAGAAGACGGCATACGAGAT**TGGTCA**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index5 | CAAGCAGAAGACGGCATACGAGAT**CACTGT**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index6 | CAAGCAGAAGACGGCATACGAGATATTGGCGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index7 | CAAGCAGAAGACGGCATACGAGAT**GATCTG**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index8 | CAAGCAGAAGACGGCATACGAGAT**TCAAGT**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index9 | CAAGCAGAAGACGGCATACGAGAT**CTGATC**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index10 | CAAGCAGAAGACGGCATACGAGAT**AAGCTA**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index11 | CAAGCAGAAGACGGCATACGAGAT**GTAGCC**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| rev\_index12 | CAAGCAGAAGACGGCATACGAGAT**TACAAG**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNGTTGACATCTGCGGTAGCTG |
| F\_adapter\_GFPBC | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTNNNNNGGCCATCAAGCTTATCGATACC |
| R\_adapter\_GFPBC | CAAGCAGAAGACGGCATACGAGATCGTGATGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNCTGATCAGCGAGCTCTAGTCG |
|  Read 1 primer | ACACTCTTTCCCTACACGACGCTCTTCCGATCT |
| GFPBC\_amp\_Read2\_1 | GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCATGGTCCTGCTGGAGTTCGTGACC |
| GFPBC\_amp\_Read2\_2 | GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCGGGATCACTCTCGGCATGGACGAG |
| hRHO 1 Fw | AGGCCTTCGCAGCATTCTT |
| M.Fas. Rho R | AGTTCTCAACACCAGGAGCC |
| F\_adapter\_Rho | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTNNNNNTCTTCATGGTCTTCGGTGGC |
| R\_adapter\_MfusRHO\_11 | CAAGCAGAAGACGGCATACGAGATGTAGCCGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNCCTCCGCATTGCATCCTGT |
| R\_adapter\_MfusRHO\_12 | CAAGCAGAAGACGGCATACGAGATTACAAGGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTNNNNNCCTCCGCATTGCATCCTGT |
| SaCas9 F1 | GTGGACCACATCATCCCCAG |
| SaCas9 R1 | GGTCTTGCTGATTCTGCCCT |