# Supplementary Table 3: Primers for Next-Generation Sequencing of CRISPRa sgRNA from transduced cell gDNA

* Primer sequences adapted from Sanson et al[1]
* Primer regions:
  + P5/P7 flowcell attachment sequence
  + Illumina sequencing primer
  + Vector primer binding sequence
  + Stagger region / Barcode region

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| **P5 Primers** | |
| **Stagger** | **Sequence** |
| **0** | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTCTTGTGGAAAGGACGAAACACC |
| **1** | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTGTCTTGTGGAAAGGACGAAACACC |
| **2** | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTAGTCTTGTGGAAAGGACGAAACACC |
| **3** | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTGCCTCTTGTGGAAAGGACGAAACACC |
| **4** | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTACAATCTTGTGGAAAGGACGAAACACC |
| **5** | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTTAGAGTCTTGTGGAAAGGACGAAACACC |
| **6** | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTCAGCAATCTTGTGGAAAGGACGAAACACC |
| **7** | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTTGAGACATCTTGTGGAAAGGACGAAACACC |

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| **P7 Primers** | |
| **Index** | **Sequence** |
| 5 | CAAGCAGAAGACGGCATACGAGATCACGATGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTACCGACTCGGTGCCACTTTTTCAAG |
| 6 | CAAGCAGAAGACGGCATACGAGATCAGGCGGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTACCGACTCGGTGCCACTTTTTCAAG |
| 7 | CAAGCAGAAGACGGCATACGAGATTACAGCGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTACCGACTCGGTGCCACTTTTTCAAG |

**References:**

1. Sanson KR, Hanna RE, Hegde M, Donovan KF, Strand C, Sullender ME, et al. Optimized libraries for CRISPR-Cas9 genetic screens with multiple modalities. Nat Commun. 2018 Dec 21;9(1):5416.