|  |  |  |  |
| --- | --- | --- | --- |
| Experimental conditions | Barcodes | fastq name | Barcode sequence (5’-3’) |
| 1M7\_Mg | 5 | WT-didy-1M7-Plus\_S5\_L001\_R1\_001.fastq  WT-didy-1M7-Plus\_S5\_L001\_R2\_001.fastq  WT-didy-1M7-Plus\_S5\_L002\_R1\_001.fastq  WT-didy-1M7-Plus\_S5\_L002\_R2\_001.fastq  WT-didy-1M7-Plus\_S5\_L003\_R1\_001.fastq  WT-didy-1M7-Plus\_S5\_L003\_R2\_001.fastq  WT-didy-1M7-Plus\_S5\_L004\_R1\_001.fastq  WT-didy-1M7-Plus\_S5\_L004\_R2\_001.fastq | CACTGT |
| DMSO\_Mg | 6 | WT-didy-DMSO-Plus\_S6\_L001\_R1\_001.fastq  WT-didy-DMSO-Plus\_S6\_L001\_R2\_001.fastq  WT-didy-DMSO-Plus\_S6\_L002\_R1\_001.fastq  WT-didy-DMSO-Plus\_S6\_L002\_R2\_001.fastq  WT-didy-DMSO-Plus\_S6\_L003\_R1\_001.fastq  WT-didy-DMSO-Plus\_S6\_L003\_R2\_001.fastq  WT-didy-DMSO-Plus\_S6\_L004\_R1\_001.fastq  WT-didy-DMSO-Plus\_S6\_L004\_R2\_001.fastq | ATTGGC |
| 1M7 | 7 | WT-didy-1M7-Moins\_S7\_L001\_R1\_001.fastq  WT-didy-1M7-Moins\_S7\_L001\_R2\_001.fastq  WT-didy-1M7-Moins\_S7\_L002\_R1\_001.fastq  WT-didy-1M7-Moins\_S7\_L002\_R2\_001.fastq  WT-didy-1M7-Moins\_S7\_L003\_R1\_001.fastq  WT-didy-1M7-Moins\_S7\_L003\_R2\_001.fastq  WT-didy-1M7-Moins\_S7\_L004\_R1\_001.fastq  WT-didy-1M7-Moins\_S7\_L004\_R2\_001.fastq | GATCTG |
| DMSO | 8 | WT-didy-DMSO-Moins\_S8\_L001\_R1\_001.fastq  WT-didy-DMSO-Moins\_S8\_L001\_R2\_001.fastq  WT-didy-DMSO-Moins\_S8\_L002\_R1\_001.fastq  WT-didy-DMSO-Moins\_S8\_L002\_R2\_001.fastq  WT-didy-DMSO-Moins\_S8\_L003\_R1\_001.fastq  WT-didy-DMSO-Moins\_S8\_L003\_R2\_001.fastq  WT-didy-DMSO-Moins\_S8\_L004\_R1\_001.fastq  WT-didy-DMSO-Moins\_S8\_L004\_R2\_001.fastq | TCAAGT |
| 1M7 denat | 9 | WT-didy-1M7d\_S9\_L001\_R1\_001.fastq  WT-didy-1M7d\_S9\_L001\_R2\_001.fastq  WT-didy-1M7d\_S9\_L002\_R1\_001.fastq  WT-didy-1M7d\_S9\_L002\_R2\_001.fastq  WT-didy-1M7d\_S9\_L003\_R1\_001.fastq  WT-didy-1M7d\_S9\_L003\_R2\_001.fastq  WT-didy-1M7d\_S9\_L004\_R1\_001.fastq  WT-didy-1M7d\_S9\_L004\_R2\_001.fastq | CTGATC |
| 1M7 denat3 | 10 | WT-didy-1M7d3\_S10\_L001\_R1\_001.fastq  WT-didy-1M7d3\_S10\_L001\_R2\_001.fastq  WT-didy-1M7d3\_S10\_L002\_R1\_001.fastq  WT-didy-1M7d3\_S10\_L002\_R2\_001.fastq  WT-didy-1M7d3\_S10\_L003\_R1\_001.fastq  WT-didy-1M7d3\_S10\_L003\_R2\_001.fastq  WT-didy-1M7d3\_S10\_L004\_R1\_001.fastq  WT-didy-1M7d3\_S10\_L004\_R2\_001.fastq | AAGCTA |

Primer (5’-3’) : CAAGCAGAAGACGGCATACGAGAT-**BARCODE-**GTGACTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T

Adaptor sequence (5’-3’) : GATCGGAAGAGCACACGTCTGAACTCCAGTCDuACACTCTTTCCCTACACGACGCTCTTCCGATC-s-T

Universal primer (5’-3’) : AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATC-s-T