**Supplementary File 1.**

List of primers used in this study.

|  |  |  |
| --- | --- | --- |
| Primer # | Primer name | Sequences (5’-3’) |
| 1 | hMPI-WT-Fw | GCACTGAGTATCCCCCTAAG |
| 2 | hMPI-KO-Fw | CTGTGGGGAGCACAGCATAA |
| 3 | hMPI-WT/KO-Rv | GCCTGCGTTCAAATTGTGGT |
| 4 | CACC\_hMPI-Fw | CACCATGGCCGCTCCGCGAG |
| 5 | hMPI\_w/oSTOP-Rv | CAGCAGACAGCAGGCAC |
| 6 | Infusion\_hMPI-Fw | AGTTAATTAAGGATCGCCACCATGGCCGCTCCG |
| 7 | Infusion\_hMPI-Rv | ACTGTGCTGGCGGCCTTACAGCAGACAGCAGGC |
| 8 | Infusion\_mC-hCdt1-Fw | AGTTAATTAAGGATCGCCACCATGGTGAGCAAG |
| 9 | Infusion\_mC-hCdt1-Rv | ACTGTGCTGGCGGCCTTATTTCTTTATCTTCTGGCC |
| 10 | qPCR\_hACTB-Fw | CACCATTGGCAATGAGCGGTTC |
| 11 | qPCR\_hACTB-Rv | AGGTCTTTGCGGATGTCCACGT |
| 12 | qPCR\_hCDC6-Fw | GGAGATGTTCGCAAAGCACTGG |
| 13 | qPCR\_hCDC6-Rv | GGAATCAGAGGCTCAGAAGGTG |
| 14 | qPCR\_hCDT1-Fw | GGAGGTCAGATTACCAGCTCAC |
| 15 | qPCR\_hCDT1-Rv | TTGACGTGCTCCACCAGCTTCT |
| 16 | qPCR\_hMCM2-Fw | TGCCAGCATTGCTCCTTCCATC |
| 17 | qPCR\_hMCM2-Rv | AAACTGCGACTTCGCTGTGCCA |
| 18 | qPCR\_hMCM3-Fw | CGAGACCTAGAAAATGGCAGCC |
| 19 | qPCR\_hMCM3-Rv | GCAGTGCAAAGCACATACCGCA |
| 20 | qPCR\_hMCM4-Fw | CTTGCTTCAGCCTTGGCTCCAA |
| 21 | qPCR\_hMCM4-Rv | GTCGCCACACAGCAAGATGTTG |
| 22 | qPCR\_hMCM5-Fw | GACTTACTCGCCGAGGAGACAT |
| 23 | qPCR\_MCM5-Rv | TGCTGCCTTTCCCAGACGTGTA |
| 24 | qPCR\_hMCM6-Fw | GACAACAGGAGAAGGGACCTCT |
| 25 | qPCR\_hMCM6-Rv | GGACGCTTTACCACTGGTGTAG |
| 26 | qPCR\_hMCM7-Fw | GCCAAGTCTCAGCTCCTGTCAT |
| 27 | qPCR\_hMCM7-Rv | CCTCTAAGGTCAGTTCTCCACTC |