**ADDITIONAL FILE 2:**

**Table S2. List of primers used in this study.**

|  |  |  |
| --- | --- | --- |
| **Primer ID** | **Sequence (5’-3’)** | **Source** |
| **Primers for dPARIS and dparkin cloning** |  |  |
| dPARIS Fwd | TAAGCAGGTACCATGGCGGAAATATGCCGAGTTTG  | This paper |
| dPARIS Rev | TGCTTAGATATC CTTGTGTATCTCGAGGATATGTC  | This paper |
| dparkin-FLAG-Fwd | TAAGCACTCGAGCACCATGGACTACAAAGACG -ATGACGACAAGATGAGTTTTATTTTTAAATTTATTG | This paper |
| dparkin-Fwd | TAAGCACTCGAGCACCATGAGTTTTATTTTTA AATTTATTG | This paper |
| dparkin-Rev | TGCTTACCGCGGTTAGCCGAACCAGTGGGC  | This paper |
| **Primers for quantitative RT-PCR** |  |  |
| Spargel-Fwd | TGTCACACAGATCTCGCTCA | This paper |
| Spargel-Rev | AACCGCCGTTTCCAATACTG | This paper |
| Ewg-Fwd | CGAACTTCCTGGCTTGGTAAT | This paper |
| Ewg-Rev | CTTCCCTCGTCCCGTAGAATA | This paper |
| Delg-Fwd | AAGAGTTCCTCCAGCGAAAG | This paper |
| Delg-Rev | AGACTGGCTTGACATCCTTG | This paper |
| TFAM-Fwd | CTGTCTAAGAACTGGTCCGATG | This paper |
| TFAM-Rev | TACTTTGTTCGCTCCTCCAC | This paper |
| RP49-Fwd | CCAAGATCGTGAAGAAGCG | This paper |
| RP49-Rev | GTTGTCGATACCCTTGGGC | This paper |
| dparkin-Fwd | TTGGGCGAGCGTCAGTTTAT | This paper |
| dparkin-Rev | GCTTGAAGTGATGAATCTCCTCG | This paper |
| dPINK1-Fwd | TGCCCATCGTGACCTAAAGT | This paper |
| dPINK1-Rev | GCCAGACAACAGCCAAAGTC | This paper |
| dPARIS-Fwd | ATGGCGGAAATATGCCGAG | This paper |
| dPARIS-Rev | CGCGATCATCTCGGCAATGG | This paper |
| **Primers for measurement of mtDNA density** |  |  |
| mt\_lRNA-Fwd | AGTCTAACCTGCCCACTGAA | This paper |
| mt\_lRNA-Rev | CCAACCATTCATTCCAGCCT | This paper |
| mt\_CytB-Fwd | CCTTTAGTAACACCTGCCCATA | This paper |
| mt\_CytB-Rev | AACTGGTCGAGCTCCAATTC | This paper |
| rpol2-Fwd | AGGCGTTTGAGTGGTTGG | Correa et al., 2012 |
| rpol2-Rev | TGGAAGGTGTTCAGTGTCATC |