**Supplemental Table S1: PCR conditions and primers used for used whole mitochondrial genome amplification**

**I.PCR reaction (9731 bp):**

p674: TGTGGTCTTTGGAGTAGAAACC

p675: CCTCTCCACCCTTATCACAACAC

**II.PCR reaction (12083 bp):**

p676: TCATATTATGGCCAAGGGTCAT

p677: ACACCTCTTTACAGTGAAATGCC

**PCR conditions**

|  |  |
| --- | --- |
| **PCR Mix** | |
| **PCR mix A**  10X Buffer: 5 ul  50mM MgCl2 : 3 ul  10mM dNTP: 2 ul  **Primer 674**: 1 ul  **Primer 675**: 1 ul  Template DNA: 1 ul (50 ng)  Enzyme: 0.5 ul  H2O: 36.5 ul  Total: 50 ul | **PCR mix B**  10X Buffer: 5 ul  50mM MgCl2 : 3 ul  10mM dNTP: 2 ul  **Primer 676**: 0.5 ul  **Primer 677**: 0.5 ul  Template DNA: 1 ul (50 ng)  Enzyme: 0.5 ul  H2O: 38.5 ul  Total: 50 ul |
| **PCR Conditions** | |
| 92 ºC   2 min (initial denaturation) | 92 ºC   2 min (initial denaturation) |
| **10 cycles**  92 ºC   20 sec  56 ºC   40 sec  68 ºC   10 min | **10 cycles**  92 ºC   20 sec  56 ºC   40 sec  68 ºC   10 min |
| **30 cycles**  92 ºC   20 sec  56 ºC   40 sec  68 ºC   15 min | **30 cycles**  92 ºC   20 sec  56 ºC   40 sec  68 ºC   15 min |
| 68 ºC   10 min (final extension)  4 ºC     30 min | 68 ºC   10 min (final extension)  4 ºC     30 min |