

Table S6. Location of features in the mtDNA of *Heterochaeta* sp. JZ-2017

| Gene | Strand | Position | Length (nuc.) | Anticodon | Start codon | Stop codon | Intergenic nucleotides |
|--------------------|--------|-------------|------------------|-----------|----------------|---------------|---------------------------|
| <i>trnI</i> | + | 1-64 | 64 | GAU | | | +6 |
| <i>trnQ</i> | - | 71-140 | 70 | UUG | | | +2 |
| <i>trnM</i> | + | 143-208 | 66 | CAU | | | 0 |
| <i>ND2</i> | + | 209-1237 | 1029 | | ATA | TAA | +5 |
| <i>trnW</i> | + | 1243-1309 | 67 | UCA | | | -8 |
| <i>trnC</i> | - | 1302-1364 | 63 | GCA | | | 0 |
| <i>trnY</i> | - | 1365-1430 | 66 | GUA | | | +3 |
| <i>COX1</i> | + | 1434-2969 | 1536 | | TTG | TAA | 0 |
| <i>trnL2</i> (UUR) | + | 2970-3038 | 69 | UAA | | | +2 |
| <i>COX2</i> | + | 3041-3727 | 687 | | ATG | TAA | +15 |
| <i>trnK</i> | + | 3743-3813 | 71 | CUU | | | +1 |
| <i>trnD</i> | + | 3815-3880 | 66 | GUC | | | 0 |
| <i>ATP8</i> | + | 3881-4039 | 159 | | ATT | TAA | -4 |
| <i>ATP6</i> | + | 4036-4713 | 678 | | ATA | TAA | +5 |
| <i>COX3</i> | + | 4719-5513 | 795 | | ATT | TAA | +3 |
| <i>trnG</i> | + | 5517-5579 | 63 | UCC | | | 0 |
| <i>ND3</i> | + | 5580-5933 | 354 | | ATC | TAA | +7 |
| <i>trnA</i> | + | 5941-6005 | 65 | UGC | | | +4 |
| <i>trnR</i> | + | 6010-6074 | 65 | UCG | | | +2 |
| <i>trnN</i> | + | 6077-6141 | 65 | GUU | | | 0 |
| <i>trnS1</i> (AGN) | + | 6142-6208 | 67 | GCU | | | 0 |
| <i>trnE</i> | + | 6209-6273 | 65 | UUC | | | 0 |
| <i>trnF</i> | - | 6274-6337 | 64 | GAA | | | 0 |
| <i>ND5</i> | - | 6338-8057 | 1720 | | ATG | T | 0 |
| <i>trnH</i> | - | 8058-8127 | 70 | GUG | | | 0 |
| <i>ND4</i> | - | 8128-9465 | 1338 | | ATG | TAA | -7 |
| <i>ND4L</i> | - | 9459-9740 | 282 | | ATG | TAA | +3 |
| <i>trnT</i> | + | 9744-9808 | 65 | UGU | | | 0 |
| <i>trnP</i> | - | 9809-9870 | 62 | UGG | | | +2 |
| <i>ND6</i> | + | 9873-10376 | 504 | | ATT | TAA | -1 |
| <i>Cyt b</i> | + | 10376-11512 | 1137 | | ATG | TAA | +14 |
| <i>trnS2</i> (UCN) | + | 11527-11596 | 70 | UGA | | | +16 |
| <i>ND1</i> | - | 11613-12545 | 933 | | ATG | TAG | +1 |
| <i>trnL1</i> (CUN) | - | 12547-12613 | 67 | UAG | | | 0 |
| <i>16S rRNA</i> | - | 12614-13926 | 1313 | | | | 0 |
| <i>trnV</i> | - | 13927-13995 | 69 | UAC | | | 0 |
| <i>12S rRNA</i> | - | 13996-14756 | 761 | | | | 0 |
| CR | | 14757-15576 | 820 | | | | |