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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Gene name |  | Primers sequence | |  | | Pa\_5\_9140 | 1 | GCATCACCTCTGCATACCCC | | | | *Atp9-5* | 2 | gtggtacCCATTGTGTCTGATGAGAAGG | |  | |  | 3 | ctgccccTAAGTGTTTTGCTTCGGAGGTC | |  | |  | 4 | ccccgtcgACCTCGAGTGAGGGCTGG | |  | |  | 20 | GGTTCGAACAAAACCAAGCTT | |  | |  | 21 | gggcggccGCATCAGGGTACCGGGAC | |  | |  | Fw\* | TCATGGCCAAGTTCACCTAAGC | |  | |  | Rev | CGATCGCTCCCAGTGAGG | |  | | Pa\_7\_10 | 5 | ggggaagcTTGTTAGGAGAGGAGTGTACC | | | | *Atp9-7* | 6 | gtggtaccCATTTTGACGAGACGGAGAAAT | | | |  | 7 | tgcccctaaACATGTCGTCTGGGGCGCT | |  | |  | 8 | gggggtcGACCGCATCGATTGCGTGAC | |  | |  | Fw\* | CGGCTCTCAGGTCCCAGC | |  | |  | Rev | AGTTTTGGACACTCAGAAATAC | |  | | *nat1* | 15 | cagacacaATGGGTACCACTCTTGACGAC | |  | |  | 16 | agcaaaacacTTAGGGGCAGGGCATGCTC | |  | |  | 17 | ctcgtcaaaATGGGTACCACTCTTGACGAC | |  | |  | 18 | agacgacatgtTTAGGGGCAGGGCATGCTC | |  | | Pa\_3\_1710 | Fw\* | GATGTCTGTTCCCCATCGAC | |  | | *Aox* | Rev | GAGGAAATGTTGGCAGTGGTG | |  | | Pa\_3\_5410 | Fw\* | AGTACGCTGAGTACATGCTC | |  | | *Gpd* | Rev | GGTGAAGACACCGGTGGAC | |  | | Pa\_7\_6690 | Fw | GGCTGGCTTGGCGATACC | |  | | *Pdf2* | Rev\* | CTGGCCAAGGTCGAGATAG |  |  | |

**S5 Table. List of primers.**