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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 |  |  |

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**S5 Table. List of primers.**