Supplementary Table 2 the primers for cloning of full length genes

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| Gene | Sequence (5’-----3’) | Length (bp) of products |
| *LS-MDM2-5*  (XM\_023889121) | Forward:  GCGGATCC ATGGGTAACGTTGGAAGTAACAG | 1110 |
| Reverse:  GCCTGCAG TCAATCTTCAACT CCATTGTTgac |  |
| *LS-NADH2* (A0A8F5ANZ5) | Forward:  GCGAATTCATGGATAACCAATTCATTTTC | 570 |
| Reverse  GCGGATCC TATCCGTCGCTACGCTGT |  |
| *LS-UCP1*  (XM\_023879071) | Forward:  GC CATATG ATGGTAGCCGGCGAT | 915bp |
| Reverse:  GC GAATTC TCATGCAGACTCAATGC |  |