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 |
| ReverseGCGGATCC TATCCGTCGCTACGCTGT |  |
| *LS-UCP1*(XM\_023879071) | Forward:GC CATATG ATGGTAGCCGGCGAT | 915bp |
| Reverse: GC GAATTC TCATGCAGACTCAATGC |  |