**Supporting information**

**Table S1. Sample voucher numbers and sequence GenBank accession numbers of two captive Blue-crowned Laughingthrush (*Garrulax courtoisi*) populations used in this article. (OPHK= Ocean Park, Hong Kong, SYSb=Sun Yat-sen University).**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Taxon** | **Locality** | **Sample ID/Voucher** | **Gender** | **Number of samples** | **Number of microsatellite loci** | **Cytb** |
| *Garrulax courtoisi* | OPHK, Hong Kong, China | SYSb6027 | M | 14 | 12 | MH423582 |
| OPHK, Hong Kong, China | SYSb6028 | F | 12 | MH423583 |
| OPHK, Hong Kong, China | SYSb6029 | M | 12 | MH423584 |
| OPHK, Hong Kong, China | SYSb6030 | F | 12 | MH423585 |
| OPHK, Hong Kong, China | SYSb6031 | F | 12 | MH423586 |
| OPHK, Hong Kong, China | SYSb6032 | F | 12 | MH423587 |
| OPHK, Hong Kong, China | SYSb6033 | M | 12 | MH423588 |
| OPHK, Hong Kong, China | SYSb6034 | M | 12 | MH423589 |
| OPHK, Hong Kong, China | SYSb6035 | M | 12 | MH423590 |
| OPHK, Hong Kong, China | SYSb6036 | M | 12 | MH423591 |
| OPHK, Hong Kong, China | SYSb6037 | M | 12 | MH423592 |
| OPHK, Hong Kong, China | SYSb6038 | F | 12 | MH423593 |
| OPHK, Hong Kong, China | SYSb6039 | M | 12 | MH423594 |
| OPHK, Hong Kong, China | SYSb6040 | M | 12 | MH423595 |
| Nanchang Zoo, Jiangxi, China | SYSb6041 | M | 9 | 12 | MH423596 |
| Nanchang Zoo, Jiangxi, China | SYSb6042 | F | 12 | MH423597 |
| Nanchang Zoo, Jiangxi, China | SYSb6043 | F | 12 | MH423598 |
| Nanchang Zoo, Jiangxi, China | SYSb6044 | M | 12 | MH423599 |
| Nanchang Zoo, Jiangxi, China | SYSb6045 | F | 12 | MH423600 |
| Nanchang Zoo, Jiangxi, China | SYSb6046 | M | 12 | MH423601 |
| Nanchang Zoo, Jiangxi, China | SYSb6047 | Unknown | 12 | MH423602 |
| Nanchang Zoo, Jiangxi, China | SYSb6048 | Unknown | 12 | MH423603 |
| Nanchang Zoo, Jiangxi, China | SYSb6049 | Unknown | 12 | MH423604 |