**Supplementary Material**

Pilot biodiversity assessment of the Hkakabo Razi passerine avifauna in northern Myanmar – implications for conservation from molecular genetics

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**Contents**

Table S1. Taxonomy and systematics of study species according to five different taxonomic authorities.

Table S2. Origin of samples for genetic analyses and GenBank accession numbers of sequences

Table S3. Origin of GenBank accession numbers of sequences downloaded from GenBank and included in phylogeographic and phylogenetic analyses

Figure S1. Intraspecific diversification of the White-throated Bulbul, *Alophoixus flaveolus.*

Figure S2. Multi-locus phylogeny of all babblers based on the full data set by Moyle *et al.* (2012).

Figure S3. Multi-locus phylogeny of Timaliidae, genera *Pomatorhinus* and *Erythrogenys.*

Table S1. Taxonomy and systematics of study species according to five different taxonomic authorities.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Species** | **Renner *et al.* (2015)** | **del Hoyo and Collar (2016)** | **Dickinson and Christidis (2014)** | **Gill and Donsker (2018)** |
|  | Pycnonotidae | Pycnonotidae | Pycnonotidae | Pycnonotidae |
| White-throated Bulbul | *Alophoixus flaveolus* | *Alophoixus flaveolus* | *Alophoixus flaveolus* | *Alophoixus flaveolus* |
|  | Sylviidae | Scotocercidae | Scotocercidae | Cettiidae |
| Chestnut-headed Tesia | *Oligura castaneocoronota* | *Cettia castaneocoronota* | *Cettia castaneocoronota* | *Cettia castaneocoronota* |
| Rufous-faced Warbler | *Abroscopus albogularis* | *Abroscopus albogularis* | *Abroscopus albogularis* | *Abroscopus albogularis* |
| Yellow-bellied Warbler | *Abroscopus superciliaris* | *Abroscopus superciliaris* | *Abroscopus superciliaris* | *Abroscopus superciliaris* |
|  | Sylviidae | Phylloscopidae | Phylloscopidae | Phylloscopidae |
| Bianchi's Warbler | *Seicercus valentini* | *Phylloscopus valentini* | *Seicercus valentini* | *Seicercus valentini* |
| White-spectacled Warbler | *Seicercus poliogenys* | *Phylloscopus poliogenys* | *Seicercus poliogenys* | *Seicercus poliogenys* |
| Grey-cheeked Warbler | *Seicercus affinis* | *Phylloscopus intermedius* | *Seicercus affinis* | *Seicercus affinis* |
|  | Timaliidae | Timaliidae | Timaliidae | Timaliidae |
| Streak-breasted Scimitar-babbler | *Pomatorhinus ruficollis* | *Pomatorhinus ruficollis* | *Pomatorhinus ruficollis* | *Pomatorhinus ruficollis* |
| Red-billed Scimitar-babbler | *Pomatorhinus ochraceiceps* | *Pomatorhinus ochraceiceps* | *Pomatorhinus ochraceiceps* | *Pomatorhinus ochraceiceps* |
| Coral-billed Scimitar-babbler/\*Brown-crowned Scimitar-babbler | *Pomatorhinus ferruginosus stanfordi* | *Pomatorhinus phayrei stanfordi\** | *Pomatorhinus ferruginosus stanfordi* | *Pomatorhinus ferruginosus stanfordi* |
| *Pomatorhinus ferruginosus phayrei* | *Pomatorhinus phayrei phayrei\** | *Pomatorhinus ferruginosus phayrei* | *Pomatorhinus ferruginosus phayrei* |
| Slender-billed Scimitar-babbler | *Xiphirhynchus superciliaris* | *Pomatorhinus superciliaris* | *Pomatorhinus superciliaris* | *Pomatorhinus superciliaris* |
|  | Timaliidae | Pellorneidae | Pellorneidae | Pellorneidae |
| Spot-throated Babbler | *Pellorneum albiventre* | *Pellorneum albiventre* | *Pellorneum albiventre* | *Pellorneum albiventre* |
| Buff-breasted Babbler | *Pellorneum tickelli* | *Trichastoma tickelli* | *Trichastoma tickelli* | *Pellorneum tickelli* |
| Puff-throated Babbler | *Pellorneum ruficeps* | *Pellorneum ruficeps* | *Pellorneum ruficeps* | *Pellorneum ruficeps* |
| Naung Mung Scimitar-babbler | *Jabouilleia naungmungensis* | *Rimator naungmungensis* | *Jabouilleia d. naungmungensis* | *Jabouilleia naungmungensis* |
| Short-tailed Scimitar-babbler | *Jabouilleia danjoui* | *Rimator danjoui* | *Jabouilleia d. danjoui* | *Jabouilleia danjoui* |
| Streaked Wren-babbler | *Napothera brevicaudata* | *Turdinus brevicaudatus* | *Turdinus brevicaudatus* | *Napothera brevicaudata* |
| Eyebrowed Wren-babbler | *Napothera epilepidota* | *Napothera epilepidota* | *Napothera epilepidota* | *Napothera epilepidota* |
| Yellow-Throated Fulvetta | *Alcippe cinerea* | *Schoeniparus cinereus* | *Schoeniparus cinereus* | *Alcippe cinerea* |
| Rufous-Winged Fulvetta | *Alcippe castaneceps* | *Schoeniparus castaneceps* | *Schoeniparus castaneceps* | *Alcippe castaneceps* |
| Rufous-Throated Fulvetta | *Alcippe rufogularis* | *Schoeniparus rufogularis* | *Schoeniparus rufogularis* | *Alcippe rufogularis* |
|  | Timaliidae | Leiotrichidae | Leiotrichidae | Pellorneidae |
| Nepal Fulvetta | *Alcippe nipalensis* | *Alcippe nipalensis* | *Alcippe nipalensis* | *Alcippe nipalensis* |
|  | Timaliidae | Pnoepygidae | Pnoepygidae | Pnoepygidae |
| Scaly-breasted Wren-babbler | *Pnoepyga albiventer* | *Pnoepyga albiventer* | *Pnoepyga albiventer* | *Pnoepyga albiventer* |

Table S2: Origin of samples for genetic analyses and GenBank accession numbers of sequences; series: SR2013, SR2016: own expeditions to Hkakabo Razi in 2013 and 2016; KU= Biodiversity Institute and Natural History Museum, University of Kansas, USA; MAR= collection J. Martens at Senckenberg Natural History Collections Dresden, Germany; USNM= Smithsonian National Museum of Natural History, USA; samples used for multi-locus analysis in bold print.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **series** | **sample ID** | **species name** | **country** | **locality** | **cytb** | **COI** | **ND2** | **myo** | **ODC** |  |
| **Phylloscopidae** |  |  |  |  |  |  |  |  |  |
| SR2016 | 407 | *Phylloscopus intermedius* | Myanmar | Mali Raing Forest Camp 1 |  | MK599092 |  |  |  |  |
| SR2016 | 308 | *Phylloscopus intermedius* | Myanmar | Mali Raing Forest Camp 1 | MK599091 | MK598974 | MK567185 | MK547492 | MK547502 |  |
| MAR | MAR2042 | *Phylloscopus intermedius* | China | Emei Shan | AY606146 | KU343228 | MK567184 | MK547498 | MK547508 |  |
| MAR | MAR5735 | *Phylloscopus intermedius* | China | Wuji Shan |  | KU343237 | MK567183 | MK547500 | MK547509 |  |
| SR2013 | 91 | *Phylloscopus poliogenys* | Myanmar | Pangnamdim 2013 (inbound) | MK599110 |  |  |  |  |  |
| SR2013 | 145 | *Phylloscopus poliogenys* | Myanmar |  | MK599111 |  |  |  |  |  |
| SR2013 | 171 | *Phylloscopus poliogenys* | Myanmar | Thalatu 2014 | MK599114 | MK598975 |  |  |  |  |
| SR2013 | 222 | *Phylloscopus poliogenys* | Myanmar | Tezungdam 2014 | MK599112 |  |  |  |  |  |
| SR2013 | 271 | *Phylloscopus poliogenys* | Myanmar | Wangsewan outbound | MK599094 |  |  |  |  |  |
| SR2013 | 399 | *Phylloscopus poliogenys* | Myanmar | Gawle outbound | MK599095 |  |  |  |  |  |
| SR2013 | 400 | *Phylloscopus poliogenys* | Myanmar | Gawle outbound | MK599096 |  |  |  |  |  |
| SR2016 | 78 | *Phylloscopus poliogenys* | Myanmar | Wan Hlaing Dam, 1 km south of Village | MK599097 |  |  |  |  |  |
| SR2016 | 541 | *Phylloscopus poliogenys* | Myanmar | Mali Raing Forest Camp 2 | MK599093 | KU343246 | MK567186 | MK547494 | MK547504 |  |
| SR2016 | 544 | *Phylloscopus poliogenys* | Myanmar | Mali Raing Forest Camp 2 | MK599098 |  |  |  |  |  |
| SR2016 | 590 | *Phylloscopus poliogenys* | Myanmar | Shinsanku Resthouse, 1 km S (Kingdon-Ward) | MK599099 |  |  |  |  |  |
| SR2016 | 711 | *Phylloscopus poliogenys* | Myanmar | Gathtu, old road to Gawlai | MK599100 |  |  |  |  |  |
| SR2016 | 713 | *Phylloscopus poliogenys* | Myanmar | Gathtu, old road to Gawlai | MK599101 |  |  |  |  |  |
| SR2016 | 226 | *Phylloscopus poliogenys* |  |  | MK599113 |  |  |  |  |  |
| KU | KU15119 | *Phylloscopus poliogenys* | Myanmar | Jed Lwe | MK599102 |  |  |  |  |  |
| KU | KU15206 | *Phylloscopus poliogenys* | Myanmar | Jed Lwe | MK599103 |  |  |  |  |  |
| KU | KU10224  | *Phylloscopus poliogenys* | China | Diding Headwater Nature Preserve | MK599104 |  |  |  |  |  |
| KU | KU10095 | *Phylloscopus poliogenys* | China | Diding Headwater Nature Preserve | MK599105 |  |  |  |  |  |
| KU | KU15120  | *Phylloscopus poliogenys* | Myanmar | Jed Lwe | MK599106 |  |  |  |  |  |
| KU | KU9979  | *Phylloscopus poliogenys* | China | Diding Headwater Nature Preserve | MK599107 |  |  |  |  |  |
| KU | KU15205 | *Phylloscopus poliogenys* | Myanmar | Jed Lwe | MK599108 |  |  |  |  |  |
| KU | KU30674 | *Phylloscopus poliogenys* | Vietnam | Ngoc Linh Nature Reserve | MK599109 |  |  |  |  |  |
| SR2013 | 56 | *Phylloscopus valentini* | Myanmar | Gatu | MK599118 | MK598976 |  |  |  |  |
| SR2013 | 1 | *Phylloscopus valentini* | Myanmar | Nam Ti resthouse (1) |  | MK598983 |  |  |  |  |
| SR2013 | 2 | *Phylloscopus valentini* | Myanmar | Nam Ti resthouse (1) | MK599129 | MK598980 |  |  |  |  |
| SR2013 | 4 | *Phylloscopus valentini* | Myanmar | Nam Ti resthouse (1) | MK599128 |  |  |  |  |  |
| SR2006 | 3280 | *Phylloscopus valentini* | Myanmar | West bank of Nam Tisang river, near Naung Mong | MK599127 | MK598979 |  |  |  |  |
| SR2006 | 3925 | *Phylloscopus valentini* | Myanmar | West bank of Nam Tisang river, near Naung Mong | MK599122 | MK598977 |  |  |  |  |
| SR2013 | 403 | *Phylloscopus valentini* | Myanmar | Gatu outbound |  | MK598978 |  |  |  |  |
| SR2016 | 666 | *Phylloscopus valentini* | Myanmar | Gathtu 2013/14 site | MK599134 | MK598984 |  | MK547495 | MK547505 |  |
| SR2016 | 667 | *Phylloscopus valentini* | Myanmar | Gathtu 2013/14 site | MK599133 | MK598982 | MK567187 | MK547496 | MK547506 |  |
| SR2016 | 712 | *Phylloscopus valentini* | Myanmar | Gathtu, old road to Gawlai | MK599132 | MK598981 |  |  |  |  |
| MAR | MAR4937 | *Phylloscopus valentini* | China | Huayang, Qangqing Panda Reservation | MK599123 | KU343236 |  |  |  |  |
| MAR | MAR5716 | *Phylloscopus valentini* | China | Huanggang Shan, Wuyi Shan, Bergstation | MK599125 |  |  |  |  |  |
| MAR | MAR5717 | *Phylloscopus valentini* | China | Huanggang Shan, Wuyi Shan, Bergstation | MK599126 | KU343235 |  |  |  |  |
| MAR | MAR5720 | *Phylloscopus valentini* | China | Huanggang Shan, Wuyi Shan, Bergstation | MK599130 |  |  | MK547499 |  |  |
| MAR | MAR5733 | *Phylloscopus valentini* | China | Huanggang Shan, Wuyi Shan, Bergstation | MK599131 | KU343236 |  |  |  |  |
| MAR | MAR6954 | *Phylloscopus valentini* | China | Tangjiaje National Nature Reserve | MK599115 |  |  |  |  |  |
| MAR | MAR6955 | *Phylloscopus valentini* | China | Tangjiaje National Nature Reserve | MK599116 |  |  |  |  |  |
| MAR | MAR8523 | *Phylloscopus valentini* | China | Dali, Diangcang Shan | MK599120 |  |  |  |  |  |
| KU | KU11277 | *Phylloscopus valentini* | China | Shiwandashan National Nature Preserve | MK599119 |  |  |  |  |  |
| KU | KU10284 | *Phylloscopus valentini* | China | Daozhen,Dashahe Nature Preserve | MK599124 |  |  |  |  |  |
| KU | KU23437 | *Phylloscopus valentini* | Vietnam  | Dien Bien  | MK599121 |  |  |  |  |  |
| KU | KU25398 | *Phylloscopus valentini* | Vietnam  | Dien Bien  | MK599117 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Scotocercidae** |  |  |  |  |  |  |  |  |  |
| **SR2016** | **362** | ***Abroscopus albogularis*** | **Myanmar** | **Mali Raing Forest Camp 1** | **MK598995** | **MK598856** |  | **MK547493** | **MK547503** |  |
| SR2016 | 366 | *Abroscopus albogularis* | Myanmar | Mali Raing Forest Camp 1 |  | MK598857 |  |  |  |  |
| SR2016 | 395 | *Abroscopus albogularis* | Myanmar | Mali Raing Forest Camp 1 |  | MK598855 |  |  |  |  |
| SR2016 | 686 | *Abroscopus albogularis* | Myanmar | Gathtu 2013/14 site | MK598997 |  |  |  |  |  |
| SR2016 | 746 | *Abroscopus albogularis* | Myanmar | Htanga, ridge from road about 1 km E of Htanga | MK598996 | MK598858 |  |  |  |  |
| **SR2016** | **43** | ***Abroscopus supercilliaris*** | **Myanmar** | **Wan Hlaing Dam, 1 km south of Village** | **MK599001** | **MK598860** |  | **MK547491** | **MK547501** |  |
| **SR2016** | **722** | ***Abroscopus supercilliaris*** | **Myanmar** | **Gathtu, old road to Gawlai** | **MK599000** | **MK598859** |  | **MK547497** | **MK547507** |  |
| USNM | USNM620314 | *Abroscopus supercilliaris* | Myanmar | Bago | MK599002 | JQ173885 |  |  |  |  |
| MAR | MAR3088 | *Abroscopus schisticeps* | Captivity |  | MK598999 |  |  |  |  |  |
| MAR | MAR8533 | *Abroscopus schisticeps* | China | Gaoligong Shan | MK598998 |  |  |  | MK547510 |  |
| SR2016 | 86 | *Cettia castaneocoronata* | Myanmar | Wan Hlaing Dam, 1 km south of Village | MK599052 | MK598892 |  |  |  |  |
| SR2016 | 718 | *Cettia castaneocoronata* | Myanmar | Gathtu, old road to Gawlai | MK599053 | MK598893 |  |  |  |  |
| SR2013 | 89 | *Tesia olivea* | Myanmar | Pangnamdim 2013 (inbound) |  | MK598987 |  |  |  |  |
| SR2016 | 36 | *Tesia olivea* | Myanmar | Wan Hlaing Dam, 1 km south of Village |  | MK598990 |  |  |  |  |
| SR2016 | 87 | *Tesia olivea* | Myanmar | Wan Hlaing Dam, 1 km south of Village |  | MK598988 |  |  |  |  |
| SR2016 | 239 | *Tesia olivea* | Myanmar | Ziyadam, forest SW of village behind school |  | MK598989 |  |  |  |  |
| SR2016 | 737 | *Tesia olivea* | Myanmar | Htanga, ridge from road about 1 km E of Htanga |  | MK598986 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **series** | **sample ID** | **species name** | **country** | **locality** | **cytb** | **COI** | **ND2** | **fib** | **TGFB** | **MUSK** |
| **Timaliidae** |  |  |  |  |  |  |  |  |  |
| SR2016 | 50 | *Pomatorhinus phayrei* | Myanmar | Wan Hlaing Dam, 1 km south of Village | MK599072 | MK598942 | MK567175 | MK547473 | MK547438 | MK547458 |
| SR2013 | 297 | *Pomatorhinus phayrei* | Myanmar | Nagwa outbound | MK599070 |  |  |  |  |  |
| SR2013 | 298 | *Pomarthorhinus ferruginosus* | Myanmar | Nagwa outbound | MK599075 |  |  |  |  |  |
| SR2013 | 299 | *Pomarthorhinus ferruginosus* | Myanmar | Nagwa outbound | MK599067 |  |  |  |  |  |
| SR2013 | 412 | *Pomatorhinus phayrei* | Myanmar | Naung\_Mung\_2014 | MK599074 |  |  |  |  |  |
| SR2013 | 414 | *Pomatorhinus phayrei* | Myanmar | Naung\_Mung\_2014 | MK599069 |  |  |  |  |  |
| SR2016 | 12 | *Pomatorhinus phayrei* | Myanmar | Wan Hlaing Dam, 1 km south of Village | MK599071 | MK598941 |  |  |  |  |
| **SR2016** | **52** | ***Pomatorhinus phayrei*** | **Myanmar** | **Wan Hlaing Dam, 1 km south of Village** | **MK599073** | **MK598943** | **MK567176** | **MK547474** | **MK547439** | **MK547459** |
| SR2016 | 90 | *Pomatorhinus phayrei* | Myanmar | Wan Hlaing Dam, 1 km south of Village | MK599076 | MK598944 |  |  |  |  |
| SR2016 | 730 | *Pomatorhinus phayrei* | Myanmar | ridge from road 1 km E of Htanga | MK599077 | MK598945 |  |  |  |  |
| **SR2016** | **731** | ***Pomatorhinus phayrei*** | **Myanmar** | **ridge from road 1 km E of Htanga** | **MK599068** | **MK598940** | **MK567174** | **MK547489** | **MK547454** | **MK547471** |
| **SR2016** | **742** | ***Pomatorhinus ochraceiceps*** | **Myanmar** | **ridge from road 1 km E of Htanga** | **MK599078** | **MK598947** | **MK567178** | **MK547490** | **MK547455** | **-** |
| SR2016 | 437 | *Pomatorhinus ochraceiceps* | Myanmar | Mali Raing Forest Camp 2 |  | MK598946 | MK567177 | MK547483 | MK547448 |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Pellorneidae** |  |  |  |  |  |  |  |  |  |
| **SR2016** | **445** | ***Gampsorhynchus rufulus*** | **Myanmar** | **Mali Raing Forest Camp 2** | **-** | **MK567166** | **MK567166** | **MK547484** | **MK547449** |  |
| **SR2016** | **447** | ***Gampsorhynchus rufulus*** | **Myanmar** | **Mali Raing Forest Camp 2** | **-** | **MK567167** | **MK567167** | **MK547485** | **MK547450** | **MK547467** |
| **SR2016** | **179** | ***Schoeniparus castaneceps*** | **Myanmar** | **Ziyadam, forest 40min N of village** | **-** | **MK598957** | **MK567179** | **MK547477** | **MK547442** | **MK547461** |
| SR2016 | 325 | *Schoeniparus castaneceps* | Myanmar | Mali Raing Forest Camp 1 |  | MK598958 |  |  |  |  |
| SR2016 | 332 | *Schoeniparus castaneceps* | Myanmar | Mali Raing Forest Camp 1 |  | MK598961 |  |  |  |  |
| SR2016 | 342 | *Schoeniparus castaneceps* | Myanmar | Mali Raing Forest Camp 1 |  | MK598959 |  |  |  |  |
| **SR2016** | **345** | ***Schoeniparus castaneceps*** | **Myanmar** | **Mali Raing Forest Camp 1** |  | MK598960 | **MK567180** | MK547478 | MK547443 | MK547462 |
| SR2016 | 480 | *Schoeniparus castaneceps* | Myanmar | Mali Raing Forest Camp 2 |  | MK598956 |  |  |  |  |
| SR2013 | 261 | *Schoeniparus cinereus* | Myanmar | Wangsewan outbound | MK599007 |  |  |  |  |  |
| SR2013 | 262 | *Schoeniparus cinereus* | Myanmar | Wangsewan outbound | MK599003 |  |  |  |  |  |
| SR2013 | 81 | *Schoeniparus cinereus* | Myanmar | Pangnamdim 2013 (inbound) | MK599005 |  |  |  |  |  |
| SR2013 | 82 | *Schoeniparus cinereus* | Myanmar | Pangnamdim 2013 (inbound) | MK599004 |  |  |  |  |  |
| SR2013 | 83 | *Schoeniparus cinereus* | Myanmar | Pangnamdim 2013 (inbound) | MK599006 |  |  |  |  |  |
| **SR2016** | **613** | ***Schoeniparus rufogularis*** | **Myanmar** | **Gawlai (as in 2013/14 Swen 9 nets)** | **MK599081** | **MK598964** | **MK567182** | **MK547487** | **MK547452** | **MK547469** |
| SR2016 | 189 | *Schoeniparus rufogularis* | Myanmar | Ziyadam, forest SW of village behind school |  | MK598969 |  |  |  |  |
| SR2016 | 191 | *Schoeniparus rufogularis* | Myanmar | Ziyadam, forest SW of village behind school | MK599084 | MK598968 |  |  |  |  |
| SR2016 | 192 | *Schoeniparus rufogularis* | Myanmar | Ziyadam, forest SW of village behind school | MK599083 | MK598967 |  |  |  |  |
| SR2016 | 305 | *Schoeniparus rufogularis* | Myanmar | Mali Raing Forest Camp 1 | MK599090 |  |  |  |  |  |
| SR2016 | 306 | *Schoeniparus rufogularis* | Myanmar | Mali Raing Forest Camp 1 | MK599079 | MK598962 |  |  |  |  |
| SR2016 | 324 | *Schoeniparus rufogularis* | Myanmar | Mali Raing Forest Camp 1 | MK599088 | MK598972 |  |  |  |  |
| **SR2016** | **363** | ***Schoeniparus rufogularis*** | **Myanmar** | **Mali Raing Forest Camp 1** | **MK599080** | **MK598963** | **MK567181** | **MK547479** | **MK547444** | **MK547463** |
| SR2016 | 367 | *Schoeniparus rufogularis* | Myanmar | Mali Raing Forest Camp 1 | MK599082 | MK598966 |  |  |  |  |
| SR2016 | 403 | *Schoeniparus rufogularis* | Myanmar | Mali Raing Forest Camp 1 |  | MK598973 |  |  |  |  |
| SR2016 | 581 | *Schoeniparus rufogularis* | Myanmar | Mali Raing Forest Camp 3 (Biscuit Camp) | MK599086 |  |  |  |  |  |
| SR2016 | 652 | *Schoeniparus rufogularis* | Myanmar | Gawlai (as in 2001 John/Swen 9 nets) |  | MK598965 |  |  |  |  |
| SR2016 | 662 | *Schoeniparus rufogularis* | Myanmar | Gathtu 2013/14 site |  | MK598970 |  |  |  |  |
| SR2016 | 710 | *Schoeniparus rufogularis* | Myanmar | Gathtu village | MK599085 |  |  |  |  |  |
| SR2016 | 725 | *Schoeniparus rufogularis* | Myanmar | Gathtu, old road to Gawlai | MK599087 | MK598971 |  |  |  |  |
| SR2016 | 766 | *Schoeniparus rufogularis* | Myanmar | Htanga forest N of village | MK599089 |  |  |  |  |  |
| USNM | USNM631805 | *Schoeniparus rufogularis* | Myanmar |  |   | JQ173961 |  |  |  |  |
| USNM | USNM631806 | *Schoeniparus rufogularis* | Myanmar |  |   | JQ173961 |  |  |  |  |
| **USNM** | **USNM633216** | ***Pellorneum albiventre***  | **Myanmar** |  |  |  | **MK567169** |  | **MK547456** | **-** |
| **SR2016** | **392** | ***Pellorneum ruficeps*** | **Myanmar** | **Mali Raing Forest Camp 1** | **MK599055** | **MK598913** | **MK567170** | **MK547480** | **MK547445** | **MK547464** |
| USNM | USNM2155 | *Pellorneum ruficeps* | Myanmar |  | JN827141 |  |  |  |  |  |
| USNM | USNM6133 | *Pellorneum ruficeps* | Myanmar |  | JN827142 |  |  |  |  |  |
| **SR2016** | **430** | ***Trichastoma tickelli*** | **Myanmar** | **Mali Raing Forest Camp 2** | **MK599056** | **MK598914** | **MK567171** | **MK547481** | **MK547446** | **MK547465** |
| **SR2016** | **44** | ***Trichastoma tickelli*** | **Myanmar** | **Wan Hlaing Dam, 1 km south of Village** |  | MK598917 |  | MK547472 |  | MK547457 |
| **SR2016** | **60** | ***Trichastoma tickelli*** | **Myanmar** | **Wan Hlaing Dam, 1 km south of Village** | **MK599062** | **MK598921** | **MK567173** | **MK547475** | **MK547440** | **MK547460** |
| SR2016 | 67 | *Trichastoma tickelli* | Myanmar | Wan Hlaing Dam, 1 km south of Village |  | MK598923 |  |  |  |  |
| SR2016 | 431 | *Trichastoma tickelli* | Myanmar | Mali Raing Forest Camp 2 | MK599063 | MK598924 |  |  |  |  |
| **SR2016** | **432** | ***Trichastoma tickelli*** | **Myanmar** | **Mali Raing Forest Camp 2** | **MK599058** | **MK598915** | **MK567172** | **MK547482** | **MK547447** | **MK547466** |
| SR2016 | 626 | *Trichastoma tickelli* | Myanmar | Gawlai (as in 2001 John/Swen 9 nets) | MK599064 | MK598925 |  |  |  |  |
| SR2016 | 694 | *Trichastoma tickelli* | Myanmar | Gathtu 2013/14 site | MK599061 |  |  |  |  |  |
| SR2016 | 748 | *Trichastoma tickelli* | Myanmar | Htanga, ridge from road about 1 km E of Htanga | MK599057 |  |  |  |  |  |
| SR2016 | 767 | *Trichastoma tickelli* | Myanmar | Htanga forest N of village | MK599059 |  |  |  |  |  |
| SR2006 | 3266 | *Trichastoma tickelli* | Myanmar | Nam Ti Rest House |  | MK598922 |  |  |  |  |
| SR2006 | 3295 | *Trichastoma tickelli* | Myanmar | West bank of Nam Tisang river, near Naung Mong |  | MK598920 |  |  |  |  |
| SR2006 | 3302 | *Trichastoma tickelli* | Myanmar | West bank of Nam Tisang river, near Naung Mong |  | MK598919 |  |  |  |  |
| SR2006 | 3315 | *Trichastoma tickelli* | Myanmar | West bank of Nam Tisang river, near Naung Mong |  | MK598918 |  |  |  |  |
| SR2006 | 3329 | *Trichastoma tickelli* | Myanmar | U Ring Ga | MK599060 | MK598916 |  |  |  |  |
| **SR2016** | **570** | ***Turdinus brevicaudatus*** | **Myanmar** | **Mali Raing Forest Camp 3** | **MK599135** | **MK598992** | **MK567188** | **MK547486** | **MK547451** | **MK547468** |
| SR2016 | 575 | *Turdinus brevicaudatus* | Myanmar | Mali Raing Forest Camp 3 |  | MK598991 |  |  |  |  |
| **SR2016** | **625** | ***Napothera epilepidota*** | **Myanmar** | **Gawlai (as in 2001 John/Swen 9 nets)** | **MK599054** |  | **MK567168** | **MK547488** | **MK547453** | **MK547470** |
| **SR2006** | **3318** | ***Rimator naunmungensis*** | **Myanmar** | **West bank of Nam Tisang river** | **MF563987** | **MF563986** | **MF563988** |  **-** | **MF563989** |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **series** | **sample ID** | **species name** | **country** | **locality** | **Cytb** | **COI** | **ND2** | **fib** | **TGFB** | **MUSK** |
| **Leiotrichidae** |  |  |  |  |  |  |  |  |  |
| **SR2016** | **145** | ***Alcippe nipalensis*** | **Myanmar** | **Ziyadam, forest 40min N of village** | **MK599040** | **MK598881** | **MK567165** | **MK547476** | **MK547441** |  |
| SR2013 | 44 | *Alcippe nipalensis* | Myanmar | Naung Mung (NM01\_1) | MK599021 |  |  |  |  |  |
| SR2013 | 50 | *Alcippe nipalensis* | Myanmar | Gatu | MK599020 |  |  |  |  |  |
| SR2013 | 52 | *Alcippe nipalensis* | Myanmar | Gatu | MK599019 |  |  |  |  |  |
| SR2013 | 94 | *Alcippe nipalensis* | Myanmar | Pangnamdim 2013 (inbound) | MK599014 |  |  |  |  |  |
| SR2013 | 31 | *Alcippe nipalensis* | Myanmar | Naung Mung (NM01\_1) | MK599022 |  |  |  |  |  |
| SR2016 | 3 | *Alcippe nipalensis* | Myanmar | Wan Hlaing Dam, 1 km south of Village |  | MK598874 |  |  |  |  |
| SR2016 | 22 | *Alcippe nipalensis* | Myanmar | Wan Hlaing Dam, 1 km south of Village | MK599038 | MK598878 |  |  |  |  |
| SR2016 | 83 | *Alcippe nipalensis* | Myanmar | Wan Hlaing Dam, 1 km south of Village |  | MK598879 |  |  |  |  |
| SR2016 | 108 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest 40min N of village | MK599024 | MK598866 |  |  |  |  |
| SR2016 | 129 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest 40min N of village | MK599027 | MK598867 |  |  |  |  |
| SR2016 | 147 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest 40min N of village | MK599041 | MK598882 |  |  |  |  |
| SR2016 | 148 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest 40min N of village | MK599042 | MK598883 |  |  |  |  |
| SR2016 | 158 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest 40min N of village | MK599030 | MK598870 |  |  |  |  |
| SR2016 | 161 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest 40min N of village | MK599031 | MK598871 |  |  |  |  |
| SR2016 | 186 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest SW of village behind school | MK599036 | MK598877 |  |  |  |  |
| SR2016 | 208 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest SW of village behind school | MK599039 | MK598880 |  |  |  |  |
| SR2016 | 211 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest SW of village behind school | MK599029 | MK598869 |  |  |  |  |
| SR2016 | 216 | *Alcippe nipalensis* | Myanmar | Ziyadam, forest SW of village behind school |  | MK598868 |  |  |  |  |
| SR2016 | 326 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 1 | MK599028 |  |  |  |  |  |
| SR2016 | 327 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 1 | MK599026 |  |  |  |  |  |
| SR2016 | 330 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 1 | MK599025 |  |  |  |  |  |
| SR2016 | 333 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 1 | MK599013 |  |  |  |  |  |
| SR2016 | 334 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 1 | MK599012 |  |  |  |  |  |
| SR2016 | 335 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 1 | MK599011 |  |  |  |  |  |
| SR2016 | 336 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 1 | MK599010 |  |  |  |  |  |
| SR2016 | 465 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 2 | MK599032 | MK598872 |  |  |  |  |
| SR2016 | 478 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 2 | MK599033 | MK598873 |  |  |  |  |
| SR2016 | 515 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 2 | MK599037 |  |  |  |  |  |
| SR2016 | 545 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 2 | MK599015 | MK598862 |  |  |  |  |
| SR2016 | 547 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 2 | MK599016 | MK598863 |  |  |  |  |
| SR2016 | 551 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 2 | MK599017 | MK598864 |  |  |  |  |
| SR2016 | 553 | *Alcippe nipalensis* | Myanmar | Mali Raing Forest Camp 2 | MK599018 |  |  |  |  |  |
| SR2016 | 607 | *Alcippe nipalensis* | Myanmar | Shinsanku (as in 2001 and 2014) | MK599034 | MK598875 |  |  |  |  |
| SR2016 | 608 | *Alcippe nipalensis* | Myanmar | Shinsanku (as in 2001 and 2014) | MK599035 | MK598876 |  |  |  |  |
| SR2016 | 677 | *Alcippe nipalensis* | Myanmar | Gathtu 2013/14 site | MK599023 | MK598865 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **series** | **sample ID** | **species name** | **country** | **locality** | **Cytb** | **COI** |  |  |  |  |
| **Pnoepygidae** |  |  |  |  |  |  |  |  |  |
| USNM | USNM620629 | *Pnoepyga albiventer* | Myanmar |  | MK599065 | MK598929 |  |  |  |  |
| USNM | USNM620614 | *Pnoepyga albiventer* | Myanmar |  | MK599066 | MK598930 |  |  |  |  |
| MAR | MAR90117 | *Pnoepyga albiventer* | Nepal | Simbua Khola |  | MK598928 |  |  |  |  |
| MAR | MAR90118 | *Pnoepyga albiventer* | Nepal | Simbua Khola |  | MK598933 |  |  |  |  |
| MAR | MAR7016 | *Pnoepyga albiventer* | China | Shennongjia National Park | JF804114 |  |  |  |  |  |
| MAR | MAR90042 | *Pnoepyga albiventer* | Nepal | Dadar Danda, Kalinchok | JX518495 | MK598932 |  |  |  |  |
| MAR | MAR90121 | *Pnoepyga albiventer* | Nepal | Lethe Khola | JF804116 | MK598931 |  |  |  |  |
| MAR | K962 | *Pnoepyga formosana* | Taiwan |  | JX518493 | MK598934 |  |  |  |  |
| MAR | MAR90110 | *Pnoepyga immaculata* | Nepal | Lethe Khola | JX518489 | MK598935 |  |  |  |  |
| MAR | MAR90124 | *Pnoepyga immaculata* | Nepal | Lethe Khola | JX518490 | MK598937 |  |  |  |  |
| MAR | MAR90181 | *Pnoepyga immaculata* | Nepal | upper Myagdi Khola, N Boghara | JX518491 | MK598936 |  |  |  |  |
| SR2013 | 177 | *Pnoepyga pusilla* | Myanmar |  |   | MK598939 |  |  |  |  |
| MAR | MAR716 | *Pnoepyga pusilla* | China | Taibai Shan, above Houzhenzi | JX518492 | MK598938 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **series** | **sample ID** | **species name** | **country** | **locality** | **Cytb** | **COI** | **ATP6** |  |  |  |
| **Pycnonotidae** |  |  |  |  |  |  |  |  |  |
| SR2006 | 3307 | *Alophoixus flaveolus* | Myanmar | West bank of Nam Tisang river, near Naung Mong |  | MK598887 |  |  |  |  |
| SR2013 | 3 | *Alophoixus flaveolus* | Myanmar | Nam Ti resthouse (1) |  |  | MK609929 |  |  |  |
| SR2013 | 12 | *Alophoixus flaveolus* | Myanmar | Nam Ti resthouse (1) |  |  | MK609930 |  |  |  |
| SR2013 | 14 | *Alophoixus flaveolus* | Myanmar | Nam Ti resthouse (1) |  |  | MK609931 |  |  |  |
| SR2013 | 15 | *Alophoixus flaveolus* | Myanmar | Nam Ti resthouse (1) | MK599046 |  | MK609932 |  |  |  |
| SR2013 | 54 | *Alophoixus flaveolus* | Myanmar | Gatu |  |  | MK609933 |  |  |  |
| SR2013 | 55 | *Alophoixus flaveolus* | Myanmar | Gatu | MK599045 |  | MK609934 |  |  |  |
| SR2013 | 386 | *Alophoixus flaveolus* | Myanmar | Shinsanku outbound (NO standard!) | MK599051 |  | MK609935 |  |  |  |
| SR2013 | 387 | *Alophoixus flaveolus* | Myanmar | Shinsanku outbound (NO standard!) | MK599050 |  | MK609936 |  |  |  |
| SR2013 | 405 | *Alophoixus flaveolus* | Myanmar | Gatu outbound | MK599049 |  |  |  |  |  |
| SR2013 | 406 | *Alophoixus flaveolus* | Myanmar | Gatu outbound | MK599048 |  |  |  |  |  |
| SR2013 | 409 | *Alophoixus flaveolus* | Myanmar | Gatu outbound | MK599047 |  |  |  |  |  |
| SR2016 | 7 | *Alophoixus flaveolus* | Myanmar | Wan Hlaing Dam, 1 km south of Village |  |  | MK609937 |  |  |  |
| SR2016 | 21 | *Alophoixus flaveolus* | Myanmar | Wan Hlaing Dam, 1 km south of Village |  | MK598885 | MK609938 |  |  |  |
| SR2016 | 23 | *Alophoixus flaveolus* | Myanmar | Wan Hlaing Dam, 1 km south of Village |  | MK598886 | MK609939 |  |  |  |
| SR2016 | 98 | *Alophoixus flaveolus* | Myanmar | Ziyadam, forest 40min N of village |  |  | MK609940 |  |  |  |
| SR2016 | 99 | *Alophoixus flaveolus* | Myanmar | Ziyadam, forest 40min N of village |  |  | MK609941 |  |  |  |
| SR2016 | 100 | *Alophoixus flaveolus* | Myanmar | Ziyadam, forest 40min N of village |  |  | MK609942 |  |  |  |
| SR2016 | 109 | *Alophoixus flaveolus* | Myanmar |  |  |  | MK609943 |  |  |  |
| SR2016 | 110 | *Alophoixus flaveolus* | Myanmar |  |  |  | MK609944 |  |  |  |
| SR2016 | 111 | *Alophoixus flaveolus* | Myanmar |  |  |  | MK609945 |  |  |  |
| SR2016 | 353 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609946 |  |  |  |
| SR2016 | 359 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609947 |  |  |  |
| SR2016 | 360 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609948 |  |  |  |
| SR2016 | 381 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609949 |  |  |  |
| SR2016 | 382 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609950 |  |  |  |
| SR2016 | 384 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609951 |  |  |  |
| SR2016 | 385 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609952 |  |  |  |
| SR2016 | 387 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609953 |  |  |  |
| SR2016 | 390 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  |  |  |  |  |
| SR2016 | 393 | *Alophoixus flaveolus* | Myanmar | Mali Raing Forest Camp 1 |  |  | MK609954 |  |  |  |
| SR2016 | 647 | *Alophoixus flaveolus* | Myanmar | Gawlai (as in 2013/14 Swen 9 nets) |  |  | MK609956 |  |  |  |
| SR2016 | 649 | *Alophoixus flaveolus* | Myanmar | Gawlai (as in 2013/14 Swen 9 nets) |  |  | MK609955 |  |  |  |
| USNM | USNM631811 | *Alophoixus flaveolus* | Myanmar |  |  | MK598890 |  |  |  |  |
| USNM | USNM620489 | *Alophoixus flaveolus* | Myanmar |  |  | MK598889 |  |  |  |  |
| USNM | USNM620490 | *Alophoixus flaveolus* | Myanmar |  |  | MK598888 |  |  |  |  |

Table S3: Origin of GenBank accession numbers of sequences downloaded from GenBank and included in phylogeographic and phylogenetic analyses; collection acronyms: AMNH= American Museum of Natural History, NY, USA; BMNH= Natural History Museum at Tring, UK; DZUG= ; FMNH= Field Museum of Natural History, Chicago, USA; IOZ= Institute of Zoology, Chinese Academy of Sciences, Beijing, China; KU= Biodiversity Institute and Natural History Museum, University of Kansas, USA; LSUMNS= Lousiana Museum of Natural History, Baton Rouge, USA; MNHM= Muséum Nationale d’ Histoire Naturelle, Paris, France; NRM= Swedisch Royal Museum of Natural History, Stockholm, Sweden; USNM= Smithsonian National Museum of Natural History, USA.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **voucher/sample ID** | **species** | **subspecies** | **country** | **province** | **source** | **acc no cytb** |  |  |  |  |
| **Phylloscopidae** |  |  |  |  |  |  |  |  |  |  |
|  | *Phylloscopus poliogenys* | monotypic | China | Yunnan | Olsson et al. 2004 | AY635081 |  |  |  |  |
|  | *Phylloscopus poliogenys* | monotypic | India | West Bengal | Olsson et al. 2004 | AY635079 |  |  |  |  |
|  | *Phylloscopus poliogenys* | monotypic | Vietnam | South Annam | Olsson et al. 2004 | AY635080 |  |  |  |  |
|  | *Phylloscopus poliogenys* | monotypic | India | Arunachal Pradesh | Price et al. 2014 | KJ456462 |  |  |  |  |
| IOZ19213 | *Phylloscopus poliogenys* | monotypic | China | Xizang  | Alström et al. 2018 | MH079381 |  |  |  |  |
| IOZ19268 | *Phylloscopus poliogenys* | monotypic | China | Xizang  | Alström et al. 2018 | MH079380 |  |  |  |  |
|  | *Phylloscopus valentini* | *valentini* | China | Gansu | Olsson et al. 2004 | AY635089 |  |  |  |  |
|  | *Phylloscopus valentini* | *valentini* | China | Sichuan | Olsson et al. 2004 | AY635087 |  |  |  |  |
|  | *Phylloscopus valentini* | *latouchei* | Vietnam | West Tonkin | Olsson et al. 2004 | AY635088 |  |  |  |  |
|  | *Phylloscopus valentini* | *latouchei* | China | Guangdong | Olsson et al. 2004 | AY635086 |  |  |  |  |
|  | *Phylloscopus valentini* | *latouchei* | China | Fujian | Olsson et al. 2004 | AY635072 |  |  |  |  |
| IOZ 16388 | *Phylloscopus valentini* | *valentini* | China | Shaanxi | Alström et al. 2018 | MH079387 |  |  |  |  |
| DZUG U4661 | *Phylloscopus valentini* | *latouchei* | China | Yunnan | Alström et al. 2018 | MH079388 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Scotocercidae** | **species** | **subspecies** | **country** | **province** | **source** | **acc no cytb** | **acc no myo** | **acc no ODC** |  |  |
| DZUG\_U1932 | *Abroscopus albogularis* | *fulvifacies* | China | Sichuan | Alström et al. 2011 | HQ706175 | HQ706226 | HQ706303 |  |  |
| DZUG\_U1336 | *Abroscopus albogularis* | *fulvifacies* | Taiwan |  | Alström et al. 2011 | JN808896 | JN809056 | JN808995 |  |  |
|  | *Abroscopus albogularis* | *fulvifacies* | China | Fujian | Lei et al. 2010 | HQ608846 |  |  |  |  |
| DZUG\_U2533 / 4 | *Abroscopus schisticeps* | *ripponi* | China | Yunnan | Alström et al. 2011 | JN808897-JN808899 | JN809057 | JN808996 |  |  |
| NMNH B02119 | *Abroscopus superciliaris* | *superciliaris* | Myanmar |  | Alström et al. 2011 | DQ008515 | DQ008567 | EU680702 |  |  |
| DZUG\_U175 | *Cettia cetti* | *albiventris* | Kazakzstan |  | Alström et al. 2011 | JN808921 | JN809070 | JN809031 |  |  |
| DZUG\_U1964 /VdT1 | *Cettia cetti* | *cetti* | France |  | Alström et al. 2011 | JN808916 | JN809069 | JN809025 |  |  |
| DZUG\_U2539 | *Cettia brunnifrons* | *umbratica* | China | Sichuan | Alström et al. 2011 | JN808930 | JN809078 | JN809041 |  |  |
| DZUG\_U2552 | *Cettia major* | *major* | China | Sichuan | Alström et al. 2011 | JN808931 | JN809079 | JN809042 |  |  |
| DZUG\_U2553 | *Cettia castaneocoronata* | *castaneocoronata* | Nepal |  | Alström et al. 2011 | JN808932 | JN809080 | JN809043 |  |  |
|  | *Cettia castaneocoronata* | *castaneocoronata* | India | Arunachal Pradesh | Price et al. 2014 | DH63 | DH63 | DH63 |  |  |
| Y32 | *Cettia castaneocoronata* | *ripleyi* | China |  |  | HQ608852 |  |  |  |  |
| U2563 | *Tesia superciliaris* | monotypic | Indonesia | Java | Alström et al. 2011 | JN808937 | JN809085 | JN809049 |  |  |
| NRM20046813 | *Tesia olivea* | *olivea* | China, Yunnan | Yunnan | Alström et al. 2011 | DQ008512 | DQ008564 | HQ121554 |  |  |
| U2561 /3 | *Tesia everetti* | *everetti* | Indonesia | Timor | Alström et al. 2011 | JN808935 | JN809083 | JN809047 |  |  |
| U1338 | *Tesia cyaniventer* | monotypic | Vietnam | South Annam | Alström et al. 2011 | JN808934 | JN809082 | JN809046 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **babblers** | **species** | **subspecies** | **country** | **province** | **source** | **acc no cytb** | **acc no ND2** | **acc no TGFB** | **acc no fib5** | **acc no MUSK** |
|  | *Alcippe nipalensis* | *nipalensis* | India | Arunachal Pradesh | Price et al. 2014 | DH09 | DH09 |  |  |  |
| KU15244 | *Alcippe nipalensis* | *nipalensis* | Myanmar |  | Moyle et al. 2012 | JN827005 | JN826473 | JN826229 | JN825982 | JN825752 |
| KU12380 | *Alcippe brunneicauda* |  | Borneo |  | Moyle et al. 2012 | JN826999 | JN826468 | JN826223 | JN825976 | JN825747 |
| KU17766 | *Alcippe brunneicauda* |  | Borneo |  | Moyle et al. 2012 | JN827000 | JN826469 | JN826224 | JN825977 | JN825748 |
| AMNH\_DOT12309 | *Alcippe grotei* |  | Vietnam |  | Moyle et al. 2012 | JN827002 | JN826470 | JN826226 | JN825978 | JN825749 |
| AMNH\_DOT10810 | *Alcippe grotei* |  | Vietnam |  | Moyle et al. 2012 | JN827001 | EF154809 | JN826225 | JN825979 | JN825750 |
| AMNH\_DOT5142 | *Alcippe morrisonia* | *morrisonia* | Taiwan |  | Moyle et al. 2012 | JN827003 | JN826471 | JN826227 | JN825980 | — |
| KU6662 | *Alcippe morrisonia* |  | China |  | Moyle et al. 2012 | JN827004 | JN826472 | JN826228 | JN825981 | JN825751 |
| AMNH\_DOT12245 | *Alcippe peracensis* |  | Vietnam |  | Moyle et al. 2012 | JN827007 | JN826474 | JN826231 | JN825984 | JN825753 |
| AMNH\_DOT10740 | *Alcippe peracensis* |  | Vietnam |  | Moyle et al. 2012 | JN827006 | EF154811 | JN826230 | JN825983 | JN825754 |
| USNM\_5606 | *Alcippe poioicephala* |  | Myanmar |  | Moyle et al. 2012 | JN827008 | JN826475 | JN826232 | JN825985 | JN825755 |
| USNM\_6060 | *Alcippe poioicephala* |  | Myanmar |  | Moyle et al. 2012 | JN827009 | JN826476 | JN826233 | JN825986 | JN825756 |
| NRM 20026631 | *Napothera epilepidota* | *amyae* | Vietnam | Ha Tinh | Price et al. 2014 | KJ456361 | KJ455523 |  |  |  |
| LSUNMS B52626 | *Napothera epilepidota* | *exsul* | Borneo |  | Moyle et al. 2012 | JN827125 | JN826601 | JN826347 | JN826098 | JN825853 |
| KU17805 | *Turdinus crassus* |  | Borneo |  | Moyle et al. 2012 | JN827123 | JN826599 | JN826346 | JN826096 | JN825852 |
| LSUMNS\_B36469 | *Turdinus crassus* |  | Borneo |  | Moyle et al. 2012 | JN827124 | FJ460773 | FJ460909 | JN826097 |  |
| FMNH75755" | *Turdinus crispifrons* |  | Vietnam |  | Moyle et al. 2012 |  | JN826600 |  |  |  |
| KU10145 | *Pellorneum albiventre* | *pusillum* | China |  | Moyle et al. 2012 | JN827138 | JN826613 | JN826358 | JN826111 | JN825864 |
| USNM2155 | *Pellorneum ruficeps* | *pectorale* | Myanmar |  | Moyle et al. 2012 | JN827141 | JN826615 | JN826360 | JN826113 | JN825867 |
| USNM6133 | *Pellorneum ruficeps* | *pectorale* | Myanmar |  | Moyle et al. 2012 | JN827142 | JN826616 | JN826361 | JN826114 | JN825868 |
|  | *Pellorneum ruficeps* | *olivaceus* | India | Western Ghats | Robin et al. 2015 | KJ702799-KJ702812 |  |  |  |  |
|  | *Pellorneum ruficeps* | *mandelli* | Nepal | Bhojpur District | Price et al. 2014 | KJ456380 |  |  |  |  |
| KIZ:ALS668 | *Pellorneum ruficeps* | *shanense* | China | Chuxiong, Yunnan | Dong et al. 2010 | GU724399 |  |  |  |  |
|  | *Pellorneum ruficeps* | *euroum* | Thailand | Korat | Cibois et al. 1999 | AF094632 |  |  |  |  |
| LSUMNS B36430 | *Pellorneum capristratum* |  | Borneo |  | Moyle et al. 2012 | JN827139 | FJ460772 | FJ460908 | JN826112 | JN825865 |
| KU17798 | *Pellorneum pyrrogenys* |  | Borneo |  | Moyle et al. 2012 | JN827140 | JN826614 | JN826359 |  | JN825866 |
|  | *Trichastoma tickelli\** | *garoense* | India | Arunachal Pradesh | Price et al. 2014 | DH43 | DH43 |  |  |  |
| NRM 20026664 | *Trichastoma tickelli* | *fulvum* | Vietnam | Ha Tinh | Price et al. 2014 | KJ456381 | KJ455545 |  |  |  |
| KU15242 | *Trichastoma tickelli* | *garoense* | Myanmar |  | Moyle et al. 2012 | JN827144 | JN826618 | JN826363 | JN826116 |  |
| KU10186 | *Trichastoma tickelli* | *fulvum* | China |  | Moyle et al. 2012 | JN827143 | JN826617 | JN826362 | JN826115 | JN825869 |
| LSUMNS B36396 | *Trichastoma bicolor* |  | Borneo |  | Moyle et al. 2012 | JN827215 | JN826690 | JN826434 | JN826186 | JN825939 |
| AMNH DOT12612 | *Trichastoma celebense* |  | Sulawesi |  | Moyle et al. 2012 | JN827216 | JN826691 | JN826435 | JN826187 | JN825940 |
| KU17713 | *Trichastoma rostratum* |  | Borneo |  | Moyle et al. 2012 | JN827217 | JN826692 | JN826436 | JN826188 | JN825941 |
| AMNH\_DOT2639 | *Turdinus brevicaudatus* | *stevensi* | Vietnam |  | Moyle et al. 2012 | HQ529141 | HQ529042 | JN826345 | JN826095 | JN825851 |
| KU10351 | *Turdinus brevicaudatus* | *stevensi* | China |  | Moyle et al. 2012 | JN827122 | JN826598 | JN826344 | JN826094 | JN825850 |
|  | *Schoeniparus cinereus* | monotypic | India  | Arunachal Pradesh | Price et al. 2014 | DH06 | DH06 |  |  |  |
| KU15152 | *Schoeniparus cinereus* | monotypic | Myanmar |  | Moyle et al. 2012 | JN827171 | JN826649 | JN826394 | JN826145 | JN825899 |
| USNM15213 | *Schoeniparus cinereus* | monotypic | Myanmar |  | Moyle et al. 2012 | JN827172 | JN826650 | JN826395 | JN826146 | JN825900 |
| NRM 20046966 | *Schoeniparus rufogularis* | *kelleyi* | Vietnam |  | Price et al. 2014 | AY128565 | KJ455639 |  |  |  |
| USNM15184 | *Schoeniparus rufogularis* | *collaris* | Myanmar |  | Moyle et al. 2012 | JN827175 | JN826653 | JN826398 | JN826149 | JN825903 |
| AMNH DOT10750 | *Schoeniparus rufogularis* | *kelleyi* | Vietnam |  | Moyle et al. 2012 | JN827176 | JN826654 | JN826399 | JN826150 | JN825904 |
| KU11340 | *Schoeniparus dubius* |  | China |  | Moyle et al. 2012 | JN827173 | JN826651 | JN826396 | JN826147 | JN825901 |
| KU15160 | *Schoeniparus dubius* |  | Myanmar |  | Moyle et al. 2012 | JN827174 | JN826652 | JN826397 | JN826148 | JN825902 |
| USNM5623 | *Schoeniparus dubius* |  | Myanmar |  | Moyle et al. 2012 | JN827169 | JN826646 | JN826391 | JN826142 | JN825896 |
|  | *Schoeniparus castaneceps* |  | India | Arunachal Pradesh | Price et al. 2014 | DH05 | U58 |  |  |  |
| KU15156 | *Schoeniparus castaneceps* |  | Myanmar |  | Moyle et al. 2012 | JN827170 | JN826648 | JN826393 | JN826144 | JN825898 |
| KU6655 | *Schoeniparus brunneus* |  | China |  | Moyle et al. 2012 | — | JN826647 | JN826392 | JN826143 | JN825897 |
| KUNHM 15146  | *Pomatorhinus phayrei* | *stanfordi* | Myanmar |  | Moyle et al. 2012 | JN827151 | JN826625  | JN826372 | JN826124 | JN825877 |
| KUNHM 15090 | *Pomatorhinus phayrei* | *stanfordi* | Myanmar |  | Moyle et al. 2012 | JN827153 | JN826627 | JN826376 | JN826127 | JN825882 |
| KUNHM 15241 | *Pomatorhinus phayrei* | *stanfordi* | Myanmar |  | Moyle et al. 2012 | JN827154 | JN826628 | JN826377 | JN826128 |  |
| AMNH DOT10777 | *Pomatorhinus phayrei* | *dickinsoni* | Vietnam |  | Moyle et al. 2012 |  JN826891 |  HQ529057 | JN826373 | JN826125 | JN825878 |
| AMNH 306654 | *Pomatorhinus phayrei* | *stanfordi* | Myanmar,Ngawchang | Reddy & Moyle 2011 | HQ529154 |  |  |  |  |
| AMNH 306657 | *Pomatorhinus phayrei* | *stanfordi* | Myanmar, Pyepat |  | Reddy & Moyle 2011 | HQ529155 |  |  |  |  |
| USNM 585859 | *Pomatorhinus phayrei* | *namdapha* | India, Miao, Arunachal Pradesh | Reddy & Moyle 2011 | HQ529151 |  |  |  |  |
| USNM 584531 | *Pomatorhinus phayrei* | *namdapha* | India, Tirap, Arunachal Pradesh | Reddy & Moyle 2011 | HQ529150 |  |  |  |  |
| FMNH 236315 | *Pomatorhinus phayrei* | *formosus* | India, Khasi Hills |  | Reddy & Moyle 2011 | HQ529148 |  |  |  |  |
| FMNH 326575 | *Pomatorhinus phayrei* | *formosus* | India, Cherrapunji, Assam | Reddy & Moyle 2011 | HQ529149 |  |  |  |  |
| BMNH 1947.7.20.18 | *Pomatorhinus phayrei* | *phayrei* | Myanmar, North Chin Hills | Reddy & Moyle 2011 | HQ529153 |  |  |  |  |
| USNM 534836 | *Pomatorhinus phayrei* | *albogularis* | Thailand, Doi Pha Hom Pak | Reddy & Moyle 2011 | HQ529144 |  |  |  |  |
| USNM 534837 | *Pomatorhinus phayrei* | *albogularis* | Thailand, Doi Pha Hom Pak | Reddy & Moyle 2011 | HQ529145 |  |  |  |  |
| AMNH DOT 2631 | *Pomatorhinus phayrei* | *orientalis* | Vietnam, Mount Tay Con Linh | Reddy & Moyle 2011 | HQ529158 |  |  |  |  |
| AMNH DOT 10954 | *Pomatorhinus phayrei* | *orientalis* | Vietnam, Mount Tay Con Linh | Reddy & Moyle 2011 | HQ529157 |  |  |  |  |
| AMNH 290864 | *Pomatorhinus phayrei* | *orientalis* | Vietnam, Chapa |  | Reddy & Moyle 2011 | HQ529152 |  |  |  |  |
| MNHN 7.11 | *Pomatorhinus phayrei* | *orientalis* | Vietnam, Sa pa |  | Reddy & Moyle 2011 | HQ529160 |  |  |  |  |
| AMNH DOT 12275 | *Pomatorhinus phayrei* | *dickinsoni* | Vietnam, Ngoc Linh | Reddy & Moyle 2011 | HQ529159 |  |  |  |  |
| AMNH DOT 10777 | *Pomatorhinus phayrei* | *dickinsoni* | Vietnam, Ngoc Linh | Reddy & Moyle 2011 | HQ529156 |  |  |  |  |
| BMNH 1947.42.13 | *Pomatorhinus ferruginosus* | *ferruginosus* | India, Dafla Hills |  | Reddy & Moyle 2011 | HQ529146 |  |  |  |  |
| BMNH 1949.Whil.13267 | *Pomatorhinus ferruginosus* | *ferruginosus* | India, Sikkim |  | Reddy & Moyle 2011 | HQ529147 |  |  |  |  |
| MNHN 5.13 | *Pomatorhinus ochraceiceps*  | *alius* | Laos, Noua Khan |  | Reddy & Moyle 2011 | HQ529177 |  |  |  |  |
| USNM 459786 | *Pomatorhinus ochraceiceps*  | *alius* | Thailand, Ban Nong Wai | Reddy & Moyle 2011 | HQ529175 |  |  |  |  |
| USNM 459788 | *Pomatorhinus ochraceiceps*  | *alius* | Thailand, Phu Lom Lo | Reddy & Moyle 2011 | HQ529176 |  |  |  |  |
| AMNH 344452" | *Pomatorhinus horsfieldi* |  | India |  | Moyle et al. 2012 | HQ529172 | HQ529073 |  |  |  |
| KU17781 | *Pomatorhinus montanus* |  | Borneo |  | Moyle et al. 2012 | JN827152 | JN826626 | JN826374 | JN826126 | JN825880 |
| LSUMNS B47063 | *Pomatorhinus montanus* |  | Borneo |  | Moyle et al. 2012 | HQ529174 | HQ529075 | JN826375 |  | JN825881 |
| KU10299 | *Pomatorhinus ruficollis* |  | China |  | Moyle et al. 2012 | JN827155 | JN826629 | JN826378 | JN826129 | JN825883 |
| KU15144 | *Pomatorhinus ruficollis* |  | Myanmar |  | Moyle et al. 2012 | JN827156 | JN826630 | JN826379 |  | JN825884 |
| MNHM 6.73# | *Pomatorhinus schisticeps* |  | Thailand |  | Moyle et al. 2012 | HQ529225 | HQ529126 |  | JN826130 | JN825886 |
| USNM B2103 | *Pomatorhinus schisticeps* |  | Myanmar |  | Moyle et al. 2012 | HQ529226 | HQ529127 |  |  | JN825885 |
| KU6715 | *Erythrogenys swinhoei* |  | China |  | Moyle et al. 2012 | JN827157 | JN826631 | JN826380 | JN826131 | JN825887 |
| AMNH DOT5531 | *Erythrogenys erythrogenys* |  | Nepal |  | Moyle et al. 2012 | HQ529143 | HQ529044 | JN826371 | JN826123 | JN825876 |
| AMNH DOT5179 | *Erythrogenys erythrogenys* |  | Taiwan |  | Moyle et al. 2012 | HQ529142 | HQ529043 | JN826370 | JN826122 | JN825875 |
| BMNH 22.05.2000 | *Erythrogenys hypoleucos* |  | Cambodia |  | Moyle et al. 2012 | HQ529168 | HQ529069 |  |  | JN825879 |
| USNM 15203 | *Rimator malacoptilus* |  | Myanmar |  | Moyle et al. 2012 | JN827166 | JN826643 | JN826388 | JN826139 |  |
| USNM 15204 | *Rimator malacoptilus* |  | Myanmar |  | Moyle et al. 2012 | JN827167 | JN826644 | JN826389 | JN826140 |  |
| AMNH DOT10947 | *Rimator danjoui* |  | Vietnam |  | Moyle et al. 2012 | HQ529138  | HQ529039 | JN826305  | JN826052 |  JN825812 |
| USNM 534967" | *Gampsorhynchus rufulus* |  | Thailand |  | Moyle et al. 2012 |  | JN826496 | JN826250 |  |  |
| USNM 584529" | *Gampsorhynchus rufulus* |  | India |  | Moyle et al. 2012 |  | JN826497 | JN826251 |  |  |
| LSUMNS B36395 | *Kenopia striata* |  | Borneo |  | Moyle et al. 2012 | JN827082 | FJ460775 | FJ460911 | JN826053 | JN825813 |
| USNM 2131 | *Malacocincla abbotti* |  | Myanmar |  | Moyle et al. 2012 | JN827100 | JN826575 | JN826323 | JN826073 |  |
| KU12693 | *Trichastoma cinereiceps* |  | Palawan |  | Moyle et al. 2012 | JN827101 | JN826576 | JN826324 | JN826074 | JN825831 |
| KU12341 | *Trichastoma malaccense* |  | Borneo |  | Moyle et al. 2012 | JN827102 | JN826577 | JN826325 | JN826075 | JN825832 |
| KU17776 | *Trichastoma malaccense* |  | Borneo |  | Moyle et al. 2012 | JN827103 | JN826578 | JN826326 | JN826076 | JN825833 |
| LSUMNS B47108 | *Malacocincla sepiaria* |  | Borneo |  | Moyle et al. 2012 | JN827104 | JN826579 | JN826327 | JN826077 | JN825834 |
| KU12383 | *Malacopteron affine* |  | Borneo |  | Moyle et al. 2012 | JN827105 | JN826580 | JN826328 | JN826078 | JN825835 |
| LSUMNS B47244 | *Malacopteron albogulare* |  | Borneo |  | Moyle et al. 2012 | JN827106 | JN826581 | JN826329 | JN826079 | JN825836 |
| LSUMNS B50348 | *Malacopteron albogulare* |  | Borneo |  | Moyle et al. 2012 | JN827107 | JN826582 | JN826330 | JN826080 | JN825837 |
| KU12320 | *Malacopteron cinereum* |  | Borneo |  | Moyle et al. 2012 | JN827108 | JN826583 | JN826331 | JN826081 | JN825838 |
| AMNH DOT10778 | *Malacopteron cinereum* |  | Vietnam |  | Moyle et al. 2012 | JN827109 | JN826584 | JN826332 | JN826082 | JN825839 |
| KU12358 | *Malacopteron magnirostre* |  | Borneo |  | Moyle et al. 2012 | JN827110 | JN826585 | JN826333 | JN826083 | JN825840 |
| LSUMNS B36421 | *Malacopteron magnirostre* |  | Borneo |  | Moyle et al. 2012 | JN827111 | FJ460778 | FJ460914 | JN826084 | JN825841 |
| KU17770 | *Malacopteron magnum* |  | Borneo |  | Moyle et al. 2012 | JN827112 | JN826586 | JN826334 | JN826085 | JN825842 |
| LSUMNS B38590 | *Malacopteron magnum* |  | Borneo |  | Moyle et al. 2012 | JN827113 | JN826587 | JN826335 |  |  |
| KU12600 | *Malacopteron palawanense* |  | Palawan |  | Moyle et al. 2012 | JN827114 | JN826588 | JN826336 | JN826086 | JN825843 |



Figure S1. Intraspecific diversification of the White-throated Bulbul, *Alophoixus flaveolus*; minimum spanning of ATPase (621 bp, *n* = 25).



Figure S2. Multi-locus phylogeny of all babblers based on the full data set by Moyle *et al.* (2012): total data set: 94 concatenated sequences of 52 species, including our own sequence data from Hkakabo Razi); 4009 bp concatenated sequence data of cytochrome-*b* (1134 bp), ND2 (1041 bp) fib5 (586 bp), MUSK (638 bp) and TGFB2 (610 bp); Bayesian inference of phylogeny, MCMC chain length 30,000,000 generations, node support from posterior probabilities shown; our samples from Hkakabo Razi in bold print.



Figure S3. Multi-locus phylogeny of Timaliidae, genera *Pomatorhinus* and *Erythrogenys*, zoom on subclade C (according to Moyle *et al.* (2012); excluding *Stachyris*, as shown in Fig. S2); Bayesian inference of phylogeny, MCMC chain length 30,000,000 generations, node support from posterior probabilities shown; our samples from Hkakabo Razi in bold print.