**Supplementary Material**

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

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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 |

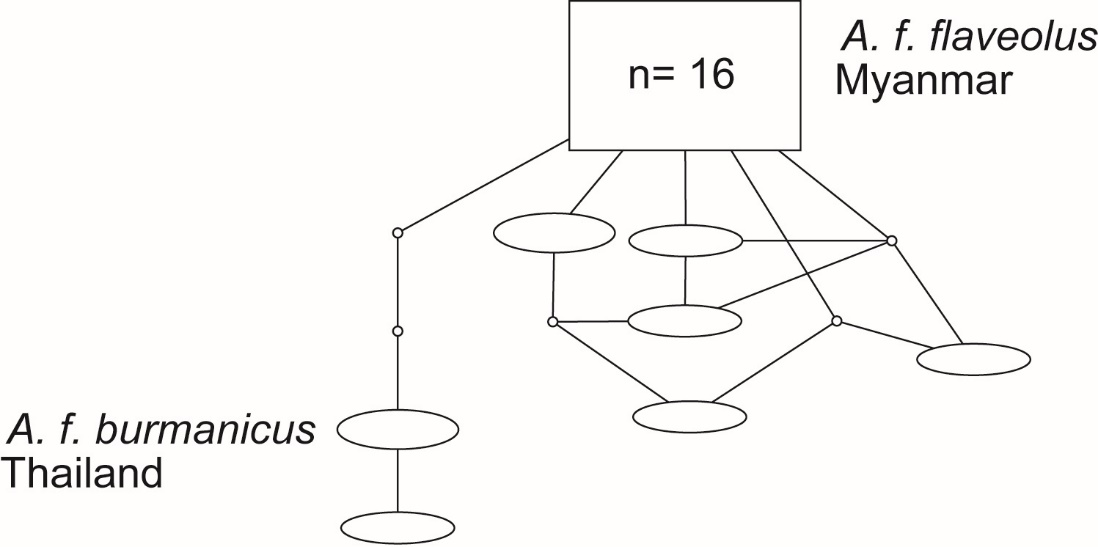


Figure S1. Intraspecific diversification of the White-throated Bulbul, *Alophoixus flaveolus*; minimum spanning of ATPase (621 bp, *n* = 25).

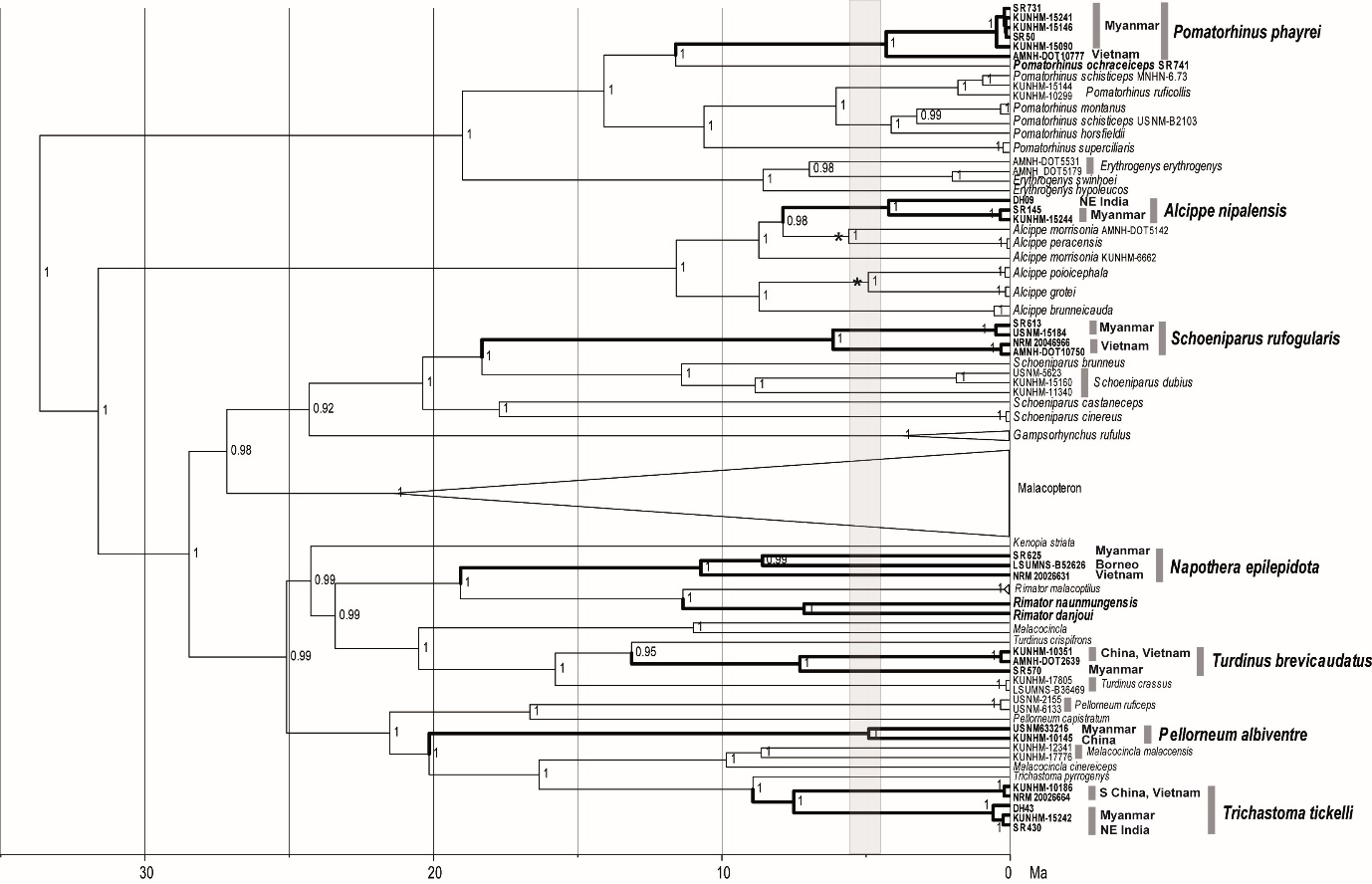


Figure S2. Multi-locus phylogeny of all babblers based on the full data set by Moyle *et al.* (2012): total data set: 94 concatenated sequences of 52 species, including our own sequence data from Hkakabo Razi); 4009 bp concatenated sequence data of cytochrome-*b* (1134 bp), ND2 (1041 bp) fib5 (586 bp), 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.

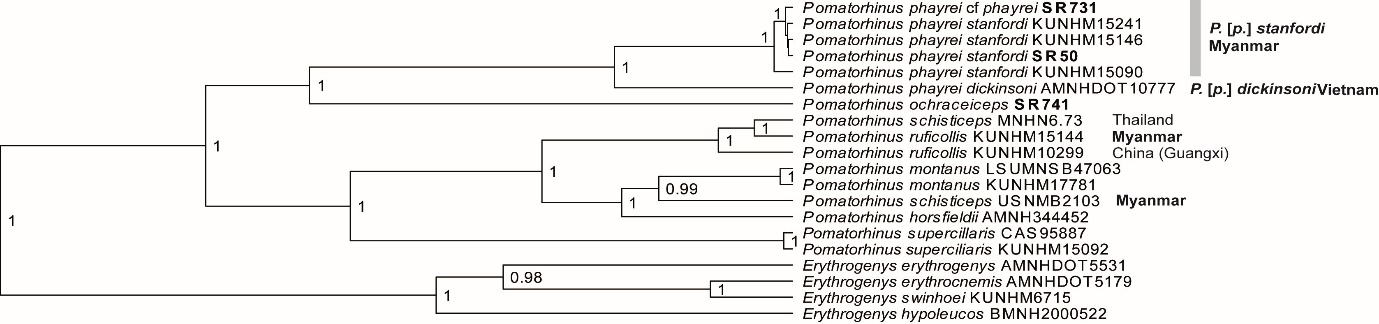


Figure S3. Multi-locus phylogeny of Timaliidae, genera *Pomatorhinus* and *Erythrogenys*, zoom on subclade C (according to Moyle *et al.* (2012); excluding *Stachyris*, as shown in Fig. S2); Bayesian inference of phylogeny, MCMC chain length 30,000,000 generations, node support from posterior probabilities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