**Table S1 –** Collection codes and accession numbers of taxa analysed in Fig. 2 and 3. For samples included in the analysis of Wink et al. (2009) and sequences from other authors in GenBank (marked by \*), accession numbers are also included in the taxon names in Fig. 2 and 3. IPMB = Institute of Pharmacy and Molecular Biotechnology, Heidelberg University. Sequences from other laboratories are marked by \*.

| **Taxon** | **lPMB****Sample accession number** | **Genbank accession number Cytochrome b** |
| --- | --- | --- |
|  |  |  |
| *Bubo bubo hispanicus* | 9120 | MK470709 |
| *Bubo bubo interpositus* | 6076 | AJ003955 |
| *Bubo b. bubo* | 6254 | AJ003960 |
| *Bubo bubo sibiricus* | 9580 | EU348970 |
| *Bubo bubo yenisseensis* | 9581 | EU348973 |
| *Bubo bubo kiautschensis* |  | AY422976 |
| *Bubo bubo turcomanus* | 6115 | EU348972 |
| *Bubo bubo swinhoei* | 9571 | EU348971 |
| *Bubo ascalaphus* | 9567 | EU348976 |
| *Bubo capensis* | 45513 | MK470710 |
| *Bubo capensis capensis* | 6116 | EU348977 |
| *Bubo capensis mackinderi* | 9292 | EU348978 |
| *Bubo bengalensis* | 6219 | AJ003954 |
| *Bubo africanus* | 6101 | AJ003950 |
| *Bubo cinerascens* | 28182 | MK049538 |
| *Bubo scandiacus* | 6105 | AJ004010 |
| *Bubo scandiacus* | 6131 | AJ004011 |
| *Bubo magellanicus* | 6301 | AJ003971 |
| *Bubo virginianus virginianus* | 6239 | AJ003973 |
| *Bubo virginianus* | 23142 | MK049539 |
| *Bubo lacteus* | 47267 | MK470711 |
| *Bubo lacteus* | 6220 | AJ003970 |
| *Bubo lacteus* | 10408 | MK049540 |
| *Bubo poensis vosseleri* | 8236 | MK049541 |
| *Bubo flavipes* |  | AB741539 |
| *Bubo zeylonensis* | 9577 | MK049542 |
| *Bubo ketupu* | 6094 | EU348974 |
| *Bubo flavipes* |  | AB741539\* |
| *Bubo nipalensis* | 6095 | AJ003972 |
| *Bubo sumatranus* |  | AB741540\* |
| *Bubo / Scotopelia ussheri* | 75236 | MK049543 |
| *Bubo / Scotopelia peli* | 59008 | MK470712 |
| *Bubo / Scotopelia peli* | 59009 | MK470713 |
| *Strix varia* | 23119 | MK470714 |
| *Strix rufipes* | 6299 | AJ004060 |
| *Strix varia varia* |  | MF431745\*  |
| *Strix aluco* | 6159 | AJ004048 |
| *Strix aluco* | 6200 | AJ004053 |
| *Strix aluco wilkonskii* | 6082 | AJ003906 |
| *Strix aluco* | 6083 | AJ004045 |
| *Strix uralensis liturata* | 6330 | AJ004063 |
| *Strix woodfordii woodfordii* | 6111 | AJ004064 |
| *Strix woodfordii nigricantior* | 8235 | EU348995 |
| *Strix leptogrammica* |  | KC953095\* |
| *Strix nebulosa* | 6327 | AJ004059 |
| *Strix butleri* | 6081 | AJ003913 |
| *Strix butleri* | 6080 | EU348994 |
| *Strix omanensis* |  | KT428757\* |
| *Strix omanensis* |  | KT428758\* |
| *Pulsatrix koeniswaldiana* | 6055 | EU348993 |
| *Ptilopsis granti* | 6171 | AJ004028 |
| *Ptilopsis granti* | 6226 | EU348991 |
| *Ptilopsis leucotis* | 22328 | MK470715 |
| *Ptilopsis leucotis* | 9585 | MK470716 |
| *Asio capensis* | 8232 | EU348960 |
| *Asio flammeus* | 465 | EU348962 |
| *Asio damator* | 8231 | EU348961 |
| *Asio o. wilsonianus* | 23129 | MK470717 |
| *Asio o. otus* | 8642 | MK470718 |
| *Asio o. otus* | 2401 | MK470719 |
| *Asio o. otus* | 23755 | MK470720 |
| *Asio otus canariensis* | 19772 | EU348964 |
| *Psiloscops ftammeolus* | 23123 | AJ004022 |
| *Psiloscops flammeolus* | 6336 | AJ004022 |
| *Megascops choliba* | 6243 | AJ004021 |
| *Megascops koepckei* |  | EU601104\* |
| *Megascops albogularis* | 6297 | AJ004012 |
| *Megascops trichopsis* |  | DQ190856\* |
| *Megascops guatemalae* | 6296 | AJ004023 |
| *Megascops atricapillus* | 6318 | AJ004013 |
| *Megascops usta* | 6157 | AJ004039 |
| *Megascops roboratus* | 6298 | AJ004035 |
| *Megascops sanctaecatarinae* | 6129 | AJ004036 |
| *Megascops hoyi* | 6308 | AJ004024 |
| *Megascops petersoni* | 6291 | AJ004034 |
| *Megascops asio asio* |  | DQ190845\* |
| *Megascops asio hasbroukii* | 6273 | AJ004014 |
| *Megascops asio naevius* |  | DQ190848 |
| *Megascops asio mccallii* | 2848 | MK470721 |
| *Megascops k. aikeni* |  | DQ190854\* |
| *Megascops k.suttoni* |  | DQ190853\* |
| *Megascops k.mcfarlandii* |  | DQ190852\* |
| *Megascops k.kennicottii* |  | DQ190851\* |
| *Megascops k. benderi* |  | DQ190850\* |
| *Otus lettia erythrocampe* | 9572 | EU348988 |
| *Otus lettia* |  | EU601109\* |
| *Otus angelinae* | 56818 | MK470722 |
| *Otus lempiji* | 6270 | AJ004026 |
| *Otus bakkamoena* | 6216 | AJ004020 |
| *Otus semitorques* |  | JN811962\* |
| *Otus megalotis nigrorum* | 9559 | MK049544 |
| *Otus megalotis* | 6290 | AJ004032 |
| *Otus megalotis everetti* |  | JN131492 |
| *Otus spilocephalus latouchi* | 9574 | EU348989 |
| *Otus longicornis* | 6289 | AJ004031 |
| *Otus mirus* |  | EU601126\*  |
| *Otus elegans* |  | EU123903\* |
| *Otus scops cyprius* | 75209 | KR181846 |
| *Otus scops cyprius* | 75538 | KR181845 |
| *Otus scops scops* | 10329 | KR181838 |
| *Otus scops cycladum* | 6091 | KR181841 |
| *Otus senegalensis* | 61293 | MK470723 |
| *Otus insularis* |  | EU601102 |
| *Otus sunia malayanus* | 9575 | EU348990 |
| *Otus capnodes* |  | EU601114 |
| *Otus mayottensis* |  | EU601122 |
| *Otus moheliensis* |  | EU601121 |
| *Otus pauliani* |  | EU601125 |
| *Ninox scutulata* |  | JN653712 |
| *Ninox scutulata* |  | JN653721 |
| *Ninox japonica* |  | JX506420 |
| *Ninox japonica* |  | KR072699 |
| *Ninox rufa* | 20997 | EU348983 |
| *Ninox strenua* | 21012 | EU348984 |
| *Ninox sumbalensis* | 20415 | MK470724 |
| *Ninox/Sceloglaux albifacies* | KX098448\* |
| *Ninox connivens* | 20999 | MK049545 |
| *Ninox.boobok* | 6172 | AJ004007 |
| *Ninox rudolfi* | 21855 | EU348982 |
| *Micrathene whitneyi* |  | MWU89170\* |
| *Micrathene whitneyi* | 23121 | MK470725 |
| *Aegolius acadicus brooksi* | EU075394 |
| *Aegolius acadicus* |  | EU075402 |
| *Aegolius harrisii* | 6315 | AJ003940 |
| *Aegolius funereus* | 6332 | AJ004353 |
| *Aegolius funereus* | 6182 | AJ004349 |
| *Athene lilith* | 3683 | MK470726 |
| *Athene lilith* | 3684 | MK470727 |
| *Athene n. indigena* | 2878 | MK470728 |
| *Athene noctua plumipes* | 23811 | EU348966 |
| *Athene noctua plumipes* | 23812 | MK470729 |
| *Athene noctua vidalii* | 8228 | EU348967 |
| *Athene n. noctua* | 6264 | AJ003948 |
| *Athene n. noctua* | 6184 | AJ003945 |
| *Athene brama* | 6212 | AJ003837 |
| *Ninox / Athene superciliaris* | 10419 | AJ004008 |
| *Athene cunicularia hypogaea* | 9027 | EU348965 |
| *Surnia ulula* | 6305 | AJ004068 |
| *Surnia ulula* | 6306 | AJ004069 |
| *Glaucidium passerinum* | 6067 | AJ004000 |
| *Glaucidium passerinum* | 6167 | AJ004002 |
| *Glaucidium tephronotum* | 6292 | AJ004006 |
| *Glaucidium perlatum* | 59018 | MK470731 |
| *Glaucidium perlaeum* | 6074 | EU348979 |
| *Glaucidium cuculoides* | 9576 | MK470732 |
| *Glaucidium radiatum* |  | KJ456289 |
| *Glaucidium californicum* | 6168 | AJ003993 |
| *Glaucidium gnoma* | 6149 | AJ003994 |
| *Glaucidium bolivianum* | 6147 | AJ003975 |
| *Glaucidium jardinii* | 6295 | AJ003998 |
| *Glaucidium hardyi* | 6151 | AJ003997 |
| *Glaucidium griseiceps* | 6153 | AJ003995 |
| *Glaucidium nanum* | 6058 | AJ003999 |
| *Glaucidium peruanum* | 6143 | AJ004005 |
| *Glaucidium tucumanum* | 6312 | AJ003990 |
| *Glaucidium brasilianum* | 6053 | AJ003977 |
| *Glaucidium brasilianum* | 6316 | AJ003983 |
| *Glaucidium capense* | 6288 | AJ003864 |
| *Glaucidium capense* | 51193 | MK470733 |
| *Phodilus badius* | 6222 | AJ004041 |
| *Phodilus badius* | 6223 | AJ004042 |
| *Tyto novaehollandiae* | 20989 | MK470734 |
| *Tyto novaehollandiae* | 20990 | EU349009 |
| *Tyto sororcula sororcula* |  | KC492087 |
| *Tyto manusi* |  | KC492084 |
| *Tyto sororcula* |  | KC492089 |
| *Tyto castanops* | 20995 | EU349007 |
| *Tyto almae* |  | KC492090 |
| *Tyto capensis* | 21660 | MK470735 |
| *Tyto longimembris chinensis* | 9579 | EU349008 |
| *Tyto multipunctata* | 20981 | MK470736 |
| *Tyto multipunctata* | 20985 | MK470737 |
| *Tyto tenebricosa* | 20993 | EU349010 |
| *Tyto tenebricosa* | 20994 | MK470738 |
| *Tyto delicatula lulu* | 23136 | MK049546 |
| *Tyto delicatula lulu* | 23137 | EU348996 |
| *Tyto delicatula lulu* | 23120 | MK049547 |
| *Tyto delicatula delicatula* | 20871 | EU349001 |
| *Tyto javanica* | 56841 | MK470739 |
| *Tyto javanica* |  | KX440459\* |
| *Tyto sumbaensis* | 20666 | EU349005 |
| *Tyto soumagnei* | 10420 | MK049548 |
| *Tyto alba alba* | 6930 | MK049549 |
| *Tyto alba alba* | 19862 | EU348999 |
| *Tyto alba guttata* | 19729 | EU349003 |
| *Tyto alba erlangeri* | 6189 | AJ003930 |
| *Tyto alba affinis* | 10409 | MK049550 |
| *Tyto alba affinis* | 6106 | EU348998 |
| *Tyto glaucops* | 61765 | MK049551 |
| *Tyto furcata tuidara* | 8619 | EU349006 |
| *Tyto f. pratincola* | 16500 | MK470740 |
| *Tyto f. pratincola* | 23141 | MK049552 |
| *Tyto f. nigrescens* | 16499 | MK470741 |
| *Tyto f. bargei* | 25155 | EU349000 |
| *Tyto furcata pratincola* | 8951 | MK470742 |
| *Tyto furcata pratincola* | 23140 | EU349004 |