**Table S1.** Bird species recorded along an elevational gradient in the central portion of Guerrero state within Sierra Madre del Sur in southern Mexico. Relative abundance values are presented. Seasonality (Sea): RP: permanent resident, MI: winter migratory. Endemism (End): E: endemic and CE: quasi-endemic to Mexico

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   |  |   |   | Elevational gradient |
| Family | Species | Est | End | 1600 m | 1800 m | 2000 m | 2200 m |
| Cracidae | *Ortalis poliocephala* | RP |  | 0.017 | 0.003 |  |  |
| Odontophoridae | *Dendrortyx macroura* | RP |  |  |  |  | 0.007 |
| Columbidae | *Columbina inca* | RP |  | 0.037 | 0.052 |  |  |
|  | *Columbina passerina* | RP |  | 0.007 |  |  |  |
|  | *Leptotila verreauxi* | RP |  | 0.013 | 0.003 |  |  |
|  | *Zenaida asiatica* | RP |  | 0.043 |  |  |  |
| Cuculidae | *Geococcyx velox* | RP |  | 0.007 |  |  |  |
|  | *Piaya mexicana* | RP | E | 0.02 | 0.009 | 0.002 |  |
| Apodidae | *Streptoprocne semicollaris* | RP |  | - | - | - | - |
| Trochilidae | *Colibri thalassinus* | RP |  |  |  |  | 0.016 |
|  | *Lampornis clemenciae* | RP |  |  |  |  | 0.016 |
|  | *Archilochus alexandri* | MI |  |  | 0.003 | 0.029 | 0.05 |
|  | *Selasphorus rufus* | MI |  |  | 0.003 | 0.008 | 0.002 |
|  | *Selasphorus heloisa* | RP |  |  |  |  | 0.018 |
|  | *Cynanthus doubledayi* | RP | E | 0.023 | 0.009 |  | 0.002 |
|  | *Basilinna leucotis* | RP |  | 0.023 |  | 0.027 | 0.018 |
|  | *Leucolia violiceps* | RP |  |  | 0.003 |  |  |
|  | *Saucerottia beryllina* | RP | E | 0.023 | 0.018 | 0.049 | 0.002 |
|  | *Amazilia rutila* | RP |  | 0.003 |  |  |  |
| Accipitridae | *Accipiter striatus*  | MI |  |  |  | 0.008 | 0.005 |
|  | *Buteogallus anthracinus* | RP |  | 0.003 |  |  |  |
|  | *Buteo albonotatus* | MI |  | 0.003 |  |  | 0.002 |
|  | *Buteo jamaicensis* | RP |  | 0.003 | 0.009 | 0.002 |  |
| Strigidae | *Glaucidium gnoma* | RP | CE |  |  | 0.004 | 0.002 |
| Trogonidae | *Trogon ambiguus* | RP | CE |  |  | 0.002 |  |
|  | *Trogon mexicanus* | RP |  |  | 0.024 | 0.014 | 0.016 |
|  | *Trogon collaris* | RP |  |  |  |  | 0.002 |
| Momotidae | *Momotus mexicanus* | RP |  | 0.013 |  | 0.002 |  |
| Picidae | *Melanerpes formicivorus* | RP |  |  |  | 0.006 | 0.063 |
|  | *Dryobates scalaris* | RP |  | 0.003 |  | 0.006 |  |
|  | *Dryobates jardinii* | RP | CE |  |  | 0.002 | 0.023 |
|  | *Colaptes cafer* | RP |  |  |  |  | 0.002 |
| Falconidae | *Falco sparverius* | MI |  |  |  | 0.002 |  |
| Furnariidae | *Lepidocolaptes leucogaster*  | RP |  |  |  | 0.01 | 0.023 |
|  | *Lepidocolaptes souleyetii* | RP |  |  | 0.006 |  | 0.002 |
|  | *Lepidocolaptes affinis*  | RP |  |  |  | 0.004 | 0.009 |
| Tityridae | *Pachyramphus albiventris* | RP | CE |  | 0.003 |  |  |
| Tyrannidae | *Myiarchus tuberculifer* | RP |  | 0.027 | 0.024 | 0.002 | 0.005 |
|  | *Myiarchus tyrannulus* | RP |  | 0.017 | 0.006 | 0.006 |  |
|  | *Tyrannus vociferans* | RP |  | 0.053 |  |  |  |
|  | *Tyrannus verticalis* | MI |  | 0.173 |  |  |  |
|  | *Mitrephanes phaeocercus* | RP |  |  |  | 0.027 | 0.027 |
|  | *Contopus pertinax* | RP |  |  | 0.061 | 0.052 | 0.014 |
|  | *Empidonax minimus* | MI |  |  | 0.006 | 0.033 | 0.002 |
|  | *Empidonax affinis* | RP |  |  |  |  | 0.005 |
| Laniidae | *Lanius ludovicianus* | RP |  | 0.003 |  |  |  |
| Vireonidae | *Vireolanius melitophrys* | RP |  |  |  |  | 0.005 |
|  | *Vireo huttoni* | RP |  |  |  |  | 0.002 |
|  | *Vireo swainsonii* | MI |  |  | 0.003 |  |  |
| Corvidae | *Cyanolyca mirabilis* | RP |  |  |  |  | 0.011 |
|  | *Cyanocitta coronata* | RP | E |  |  | 0.021 | 0.059 |
|  | *Aphelocoma sumichrasti* | RP | E | 0.047 | 0.101 | 0.031 | 0.002 |
| Hirundinidae | *Stelgidopteryx serripennis* | RP |  | 0.04 |  |  |  |
|  | *Hirundo rustica* | MI |  | 0.01 | 0.009 |  |  |
| Paridae | *Poecile sclateri* | RP |  |  |  | 0.004 | 0.018 |
|  | *Baeolophus wollweberi* | MI |  |  | 0.018 |  |  |
| Aegithalidae | *Psaltriparus melanotis* | MI | CE |  | 0.046 |  |  |
| Certhiidae | *Certhia americana* | RP |  |  |  |  | 0.014 |
| Troglodytidae | *Catherpes mexicanus* | RP |  |  | 0.021 | 0.006 |  |
|  | *Troglodytes brunneicollis* | MI | CE |  |  |  | 0.016 |
|  | *Campylorhynchus humilus* | RP | E | 0.023 | 0.028 | 0.019 | 0.002 |
|  | *Pheugopedius felix* | RP |  | 0.023 | 0.003 | 0.002 |  |
|  | *Thryophilus pleurostictus* | RP |  | 0.007 |  |  |  |
|  | *Henicorhina leucophrys* | RP |  |  |  |  | 0.005 |
| Polioptilidae | *Polioptila caerulea* | MI |  | 0.047 | 0.021 | 0.002 | 0.002 |
| Regulidae | *Regulus calendula* | MI |  | 0.05 | 0.018 | 0.031 | 0.002 |
| Turdidae | *Myadestes occidentalis* | RP |  |  | 0.135 | 0.07 | 0.045 |
|  | *Catharus aurantiirostris* | RP |  | 0.02 | 0.031 | 0.056 | 0.032 |
|  | *Catharus occidentalis* | RP | E |  |  |  | 0.002 |
|  | *Turdus assimilis* | RP | E |  | 0.018 |  | 0.005 |
|  | *Turdus rufopalliatus* | RP | E |  |  | 0.002 |  |
|  | *Turdus migratorius* | RP |  |  |  | 0.029 | 0.023 |
| Mimidae | *Melanotis caerulescens* | RP | E | 0.023 | 0.006 | 0.016 | 0.014 |
| Ptiliogonatidae | *Ptiliogonys cinereus* | RP |  |  |  | 0.019 | 0.005 |
| Peucedramidae | *Peucedramus taeniatus* | RP |  |  |  |  | 0.009 |
| Fringillidae | *Loxia stricklandi* | RP | CE |  |  |  | 0.045 |
|  | *Spinus psaltria* | RP |  | 0.003 | 0.009 |  | 0.002 |
| Passerellidae | *Chlorospingus albifrons* | RP | E |  |  |  | 0.036 |
|  | *Peucaea acuminata* | RP | E | 0.057 |  |  |  |
|  | *Peucaea humeralis* | RP |  | 0.003 |  |  |  |
|  | *Spizella passerina* | MI |  |  | 0.021 | 0.025 |  |
|  | *Arremon kuehnerii* | RP |  |  |  |  | 0.007 |
|  | *Junco phaeonotus* | RP | CE |  |  | 0.06 | 0.038 |
|  | *Melozone albicollis* | RP |  |  |  | 0.01 |  |
|  | *Aimophila rufescens* | RP |  | 0.003 | 0.006 |  |  |
|  | *Aimophila ruficeps* | RP |  | 0.003 |  |  |  |
|  | *Pipilo ocai* | RP | E |  |  | 0.012 | 0.018 |
|  | *Atlapetes pileatus* | RP |  |  |  |  | 0.016 |
| Icteridae | *Icterus wagleri* | RP |  | 0.023 |  |  |  |
|  | *Icterus pustulatus* | RP | E | 0.053 | 0.006 | 0.002 |  |
|  | *Icterus bullockii* | MI |  |  | 0.003 |  | 0.002 |
|  | *Icterus dickeyae* | RP | E |  | 0.003 |  |  |
|  | *Icterus abeillei* | RP |  |  |  | 0.002 |  |
|  | *Molothrus aeneus* | RP |  | 0.003 |  | 0.008 |  |
|  | *Molothrus ater* | MI |  | 0.003 |  |  |  |
| Parulidae | *Mniotilta varia* | MI |  |  | 0.003 | 0.012 | 0.009 |
|  | *Oreothlypis superciliosa* | RP |  |  |  | 0.002 | 0.005 |
|  | *Leiothlypis crissalis* | MI |  |  |  |  | 0.002 |
|  | *Geothlypis poliocephala* | RP |  |  | 0.003 |  |  |
|  | *Geothlypis tolmiei* | MI |  |  |  |  | 0.007 |
|  | *Setophaga auduboni* | MI |  |  | 0.012 |  |  |
|  | *Setophaga nigrescens* | MI |  | 0.007 | 0.073 | 0.027 |  |
|  | *Setophaga townsendi* | MI |  |  | 0.015 | 0.066 | 0.029 |
|  | *Setophaga occidentalis* | MI |  |  |  | 0.008 | 0.018 |
|  | *Setophaga virens* | MI |  |  | 0.018 | 0.010 |  |
|  | *Basileuterus rufifrons* | RP | E | 0.03 | 0.055 | 0.006 | 0.005 |
|  | *Basileuterus belli* | RP |  |  |  | 0.002 | 0.027 |
|  | *Cardellina pusilla* | MI |  |  |  |  | 0.009 |
|  | *Cardellina rubrifrons* | MI |  |  |  | 0.002 | 0.002 |
|  | *Cardellina rubra* | RP | E |  |  |  | 0.009 |
|  | *Myioborus pictus* | RP |  |  | 0.015 | 0.021 | 0.007 |
|  | *Myioborus miniatus* | RP |  | 0.003 |  | 0.047 | 0.056 |
| Cardinalidae | *Piranga hepatica* | RP | CE |  | 0.034 | 0.019 | 0.018 |
|  | *Piranga rubra* | MI |  |  |  | 0.023 | 0.005 |
|  | *Pheucticus melanocephalus* | RP |  |  | 0.009 | 0.002 | 0.002 |
|  | *Passerina versicolor* | RP |  |  | 0.006 |  |  |
| Thrarupidae | *Diglossa baritula* | RP |  |  |  |  | 0.005 |
|   | *Sporophila torqueola* | RP | E |   | 0.003 | 0.027 |   |