A trait dataset for Taiwan's breeding birds

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Abstract

Background

Species traits affect how a species interacts with the environment and other species and thus determine the role of the species in an ecosystem. They affect not only population dynamics of a species across space and over time, but also community structure and function through their key role in the community assembly processes. Information on species traits is also highly relevant for conservation planning as they determine the adaptive ability of a species in the face of environmental changes. However, information on species traits is usually scarce and sparsely distributed amongst diverse types of literature and sources. Difficulty in accessing comprehensive information on species traits has formed an essential knowledge gap, limiting our understanding of biodiversity patterns and ecosystem functioning and preventing effective conservation. Even for birds, a well-studied taxon, comprehensive trait information is still unavailable or distributed across different sources for many species.
New information

In this study, we compiled information from a variety of sources on 23 traits for all breeding birds, including 157 resident and 14 summer visiting species, in Taiwan and surrounding islands. The 23 traits include those related to the movement patterns, morphology, geographic distributions, activity patterns, feeding behaviour, habitat use, and breeding behaviour and strategies of the species. The trait information was obtained, not only from published literature and datasets, but also from unpublished banding records and specimen measurements. The dataset also contains derived traits, including the elevation and temperature boundaries of species distribution ranges in Taiwan. In addition, structured information on nest characters, which is seldom compiled in trait datasets, has been made available, for the first time, for the breeding birds in Taiwan. Therefore, the most comprehensive trait dataset to date on breeding birds in Taiwan will allow trait-based research and applications in diverse topics and thus enhance our understanding of the patterns and dynamics of breeding bird diversity and its functions in Taiwan.

Keywords

breeding strategy, distribution, feeding behaviour, habitat use, life-history trait, morphology, movement, nest character

Introduction

Traits are morphological, physiological, demographic and behaviour characteristics of organisms (McGill et al. 2006, Violle et al. 2007). They are related to organisms’ fitness, interactions with the environment and other organisms and ecological roles in an ecosystem (Reed et al. 2013, Kraft et al. 2015, Santini et al. 2016). They may also affect the community assembly process (Laureto et al. 2015) and thus determine the property of a community or even an ecosystem (McGill et al. 2006, Gross et al. 2017, Pigot et al. 2016). Moreover, traits are important in biodiversity conservation because they, with their movement, distributions, habitat use and breeding strategies, can be good indicators of species’ adaptive ability and vulnerability to environmental changes (Pöyry et al. 2009, Pacifici et al. 2017) and species’ threatened status and extinction risk (Lee and Jetz 2010, Cooke et al. 2019).

Unfortunately, despite the importance of traits, comprehensive information on species traits is usually unavailable or is distributed across different sources, even for well-studied taxa, such as birds. EltonTraits (Wilman et al. 2014) is currently one of the most comprehensive (in terms of taxonomic coverage) trait datasets for birds. However, it lacks information on many important traits. For example, body mass is the only morphological trait in the EltonTraits dataset, although some other characteristics of morphology, such as tail length and wing shape, are related to the ecological role of a bird (Phillips et al. 2018, Hsu et al. 2013). In addition, the dataset also lacks information on the traits related to the breeding strategy, such as clutch size and nest structure, which critically determines the
performance and fitness of birds (Griesser et al. 2007, DuRant et al. 2013, Altamirano et al. 2019), their adaptation capacity to changing environments (Deeming and Reynolds 2015, Pacifici et al. 2017) and their extinction risk (Cooke et al. 2019). Some other datasets cover more traits, but they are usually limited in terms of geographic and thus taxonomic coverage (eg. Garnett et al. 2015, Myhrvold et al. 2015), leaving many trait data gaps.

Taiwan has abundant biodiversity, including more than 600 bird species, thanks to the various climates and vegetation types along its almost 4000 m elevation gradient. Although bird traits have been found to be an important determinant of the diversity pattern and species composition of both native (Ding et al. 2005) and invasive birds in Taiwan (Su et al. 2016), a comprehensive dataset on bird traits is still lacking. Therefore, in this study, we compiled the information on 23 traits, including morphological, behaviour, distributional and life-history traits, for all breeding birds in Taiwan. This structured and relatively comprehensive trait dataset can support trait-based research and diverse applications on Taiwan's breeding birds. For example, several traits, related to thermal tolerance, diets and habitat use, have been associated with birds altitudinal migration tendencies to explore potential drivers of this behaviour (Tsai et al., in review). This dataset may also improve our ecological and evolutionary understanding of the community assembly in an island-like system (Mittelbach and Schemske 2015, Weber et al. 2017).

**General description**

**Purpose:** The aim of this study was to compile trait information from diverse sources and to provide a dataset containing structured and the most comprehensive trait information to date for all breeding birds in Taiwan.

**Additional information:** We obtained information on 23 traits for Taiwan's 171 breeding bird species from seven sources (Table 1):

| Category   | Trait     | Definition                                                                                                                                                                                                 | Information source* |
|------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Movement   | Residency | Four states:                                                                                                                                  | (1)                 |
|            |           | 1. Resident: birds stay in Taiwan year-round                                                                                                  |                     |
|            |           | 2. Winter visitor: migratory birds which arrive in Taiwan in autumn, spend the wintertime in Taiwan and leave for their breeding grounds outside Taiwan in spring |                     |
|            |           | 3. Summer visitor: migratory birds which arrive in Taiwan in spring, breed in Taiwan and leave for their wintering areas outside Taiwan at the end of summer or early autumn |                     |
|            |           | 4. Passage migrants: migratory birds which pass through Taiwan during their migration, possibly stopping in Taiwan for a few days, but not staying for extended periods of time |                     |
| Category   | Trait                | Definition                                                                 | Information source* |
|------------|----------------------|---------------------------------------------------------------------------|---------------------|
| Morphology | Body mass            | Weight of a bird                                                          | (2), (3), (4), (5), (6) |
|            | Body length          | Distance from the tip of the bill to the end of the tail                  |                     |
|            | Head length          | Distance from the tip of the bill to the back of the skull                |                     |
|            | Natural wing length  | Distance from the carpal joint to the tip of the longest primary feather  |                     |
|            | Tail length          | Distance from the root to the end of the longest tail feather             |                     |
|            | Tarsus length        | Distance from the base of the tarsus to the tip of the middle toe         |                     |
| Distribution| Lower elevation     | Lower elevation boundary of the distribution range in Taiwan              | (7)                 |
|            | boundary             |                                                                           |                     |
|            | Upper elevation      | Upper elevation boundary of the distribution range in Taiwan              |                     |
|            | boundary             |                                                                           |                     |
|            | Lower temperature    | Lower temperature boundary of the distribution range in Taiwan           |                     |
|            | boundary             |                                                                           |                     |
|            | Upper temperature    | Upper temperature boundary of the distribution range in Taiwan           |                     |
|            | boundary             |                                                                           |                     |
| Activity   | Nocturnality         | Birds foraging mainly at night                                            | (6)                 |
| Feeding    | Diet                 | Ten food types in the diet (Wilman et al. 2014):                          | (6)                 |
|            |                      | 1. Invertebrates: invertebrates-general, aquatic invertebrates, shrimp,  |                     |
|            |                      | krill, squid, crustaceans, molluscs, cephalopod, polychaetes, gastropods, |                     |
|            |                      | orthoptera, terrestrial invertebrates, ground insects, insect larvae,    |                     |
|            |                      | worms, orthopterans, flying insects                                       |                     |
|            |                      | 2. Mammals and birds                                                      |                     |
|            |                      | 3. Reptiles and amphibians: reptiles, snakes, amphibians, salamanders     |                     |
|            |                      | 4. Fish                                                                  |                     |
|            |                      | 5. Unknown vertebrates: vertebrates-general or unknown                    |                     |
|            |                      | 6. Dead organisms: garbage, offal, carcasses, trawlers, carrion           |                     |
|            |                      | 7. Fruits: fruits, drupes                                                 |                     |
|            |                      | 8. Nectar and pollen: nectar, pollen, plant exudates, gums                |                     |
|            |                      | 9. Seeds: seeds, maize, nuts, spores, wheat, grains                      |                     |
|            |                      | 10. Other plant parts: grass, ground vegetation, seedlings, weeds,       |                     |
|            |                      | lichen, moss, small plants, reeds, cultivated crops, forbs, vegetables,  |                     |
|            |                      | fungi, roots, tubers, legumes, bulbs, leaves, above-ground vegetation,   |                     |
|            |                      | twigs, bark, shrubs, herbs, shoots, aquatic vegetation, aquatic plants   |                     |
### Foraging stratum

- **1. Below the water surface**: foraging below the water surface
- **2. Around the water surface**: foraging on or just (<12.5 cm) below the water surface
- **3. On the ground**: foraging on the ground
- **4. In forest understorey**: foraging below 2 m in the understorey in a forest, forest edges, bushes or shrubs
- **5. In middle to high levels in trees**: foraging in mid- to high-levels in trees or high bushes (2 m upwards), but below the canopy
- **6. In or above tree canopy**: foraging in or just above (from) tree canopy
- **7. In aerial**: foraging well above vegetation or any structures

### Habitat

- **1. Forest**: areas with continuous stands of trees, including both forested and wooded areas
- **2. Savannah**: areas with grass ground cover with an overstorey of widely-spaced trees and shrubs
- **3. Shrubland**: areas with scrub, bushland and thicket
- **4. Grassland**: areas with grasses and broadleaved herbaceous plants, without or with very sparsely-distributed trees
- **5. Wetland**: areas with marsh or water, where the water is either flowing or stagnant
- **6. Rocky area**: including inland cliffs, mountain peaks, talus and fieldmark
- **7. Neritic area**: including submergence, nearshore, on or over the continental shelf or oceanic island shelf
- **8. Intertidal area**: areas of the shore between the extremes of high and low tides
- **9. Coastal or supratidal area**: coastal areas above the high tide mark
- **10. Terrestrial artificial area**: human-made terrestrial habitats
- **11. Aquatic artificial area**: human-made wetland habitats
- **12. Other habitats**
- **13. Unknown habitat**

### Breeding

- **Clutch size**: Number of eggs laid by a female bird in a single brood

  - **Incubation period**: Length of the period from laying the last egg of the clutch until egg hatching
  - **Egg length**: Length of the long diameter of eggs
  - **Egg width**: Length of the short diameter of eggs
  - **Brood parasitism**: A type of social parasitism in which eggs are laid in the nests of other birds and the young are reared by the hosts
| Category          | Trait          | Definition                                                                                                                                                                                                 |
|-------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nest structure    | Structure      | Structure of a nest; including seven types (Fang et al. 2018):  
1. Scrape: a nest without obvious construction or with only brief scratching or cleaning  
2. Platform: a nest where feathers, leaves, sticks or vines are stacked or loosely intertwined to form a platform  
3. Cup: a nest with an erected, surrounding rim made by interweaving nest materials or mud; varying in depth but parental birds could not entirely hide inside the nest  
4. Dome: a nest where a parental bird could sit inside without exposing the body  
5. Dome with a tunnel: a domed nest with a tunnel exit  
6. Primary cavity: a nest built inside a cave excavated directly by the birds using the cave  
7. Secondary cavity: a nest built inside a cave generated naturally or originally excavated by other animals |
| Nest site         | Location       | Location where a nest was built, including seven types (Fang et al. 2018):  
1. Ground: on the ground  
2. Tree: on/in trees  
3. Non-tree vegetation: on bushes, bamboo or thick tangled herbaceous vegetation  
4. Cliff and bank: in cliffs, riverbanks or piles of soil or rocks  
5. Underground: in burrows underground  
6. Waterbody: on the surface of water or piled up from the bottom of lakes or ponds and thus surrounded by water  
7. Termite/ant nest: in termite or ant nests |
| Nest attachment   | The way        | The way a nest is attached to a supporting object, including four types (Fang et al. 2018):  
1. Basal: a nest supported mainly from its bottom  
2. Horizontally forked: a nest attached to two or more horizontally forked tree or bush branches by the lateral parts of the nest  
3. Lateral: a nest attached to a supporting object solely by its lateral parts  
4. Pensile: a nest hanged down from a supporting object |

* Please refer to the General Description for the details of the information sources

1. The Checklist of Birds of Taiwan issued by Chinese Wild Bird Federation (CWBF; CWBF 2017);  
2. The Avifauna of Taiwan (Severinghaus et al. 2010);  
3. The Handbook of the Birds of the World Alive (HBW Alive; Del Hoyo et al. 2018);  
4. Banding data collected from 2008 to 2015 by the Monitoring Avian Productivity and Survivorship Program in Taiwan (MAPS, https://sites.google.com/birds-tmsri.twbbs.org/maps-taiwan/);  
5. Morphological measurements of the specimens from museums, including the Biodiversity Research Museum of Academia Sinica, National Taiwan Museum and Yamashina Institute for Ornithology;
6. The EltonTraits dataset (ver. 1.0; Wilman et al. 2014);
7. Our own calculations by overlapping bird occurrence records from eBird (Sullivan et al. 2009) and the environmental data layers of elevation (Global Digital Elevation Models GDEM; https://gisgeography.com/free-global-dem-data-sources) and temperatures (Climatologies at High Resolution for the Earth’s Land Surface Areas CHELSA; Karger et al. 2017).

Below are the detailed approaches for obtaining and compiling the information on individual traits:

**Movement**

One trait, residency, belongs to the category of movement. According to the Checklist of Birds of Taiwan (CWBF 2017), the residency of birds can be classified into six types: residents, summer visitors, winter visitors, passage migrants, straggers and introduced species. Although our dataset focuses on the trait information for the resident and summer visitor species in Taiwan, some of those species also contain winter visiting or passage migratory populations. Therefore, we used four binary variables to indicate whether a species contains a population of each of the four residency types (Table 2).

| Column name         | Trait: State        | Description                                | Data type     | Units |
|---------------------|---------------------|--------------------------------------------|---------------|-------|
| SISRecID            | -                   | Taxonomic identifier used by BirdLife International | character     |       |
| ScientificName      | -                   | Scientific name                            | character     |       |
| ScientificName_CWBF | -                   | Scientific name used in the Checklist of Birds of Taiwan | character     |       |
| Order               | -                   | Order name                                 | character     |       |
| Family              | -                   | Family name                                | character     |       |
| CommName            | -                   | Common name                                | character     |       |
| Resident            | Residency: Resident | Whether containing resident populations in Taiwan | binary (0: no; 1: yes) |       |
| WinMig              | Residency: Winter visitor | Whether containing winter visitor populations in Taiwan | binary (0: no; 1: yes) |       |
| SumMig              | Residency: Summer visitor | Whether containing summer visitor populations in Taiwan | binary (0: no; 1: yes) |       |
| PasMig              | Residency: Passage migrator | Whether containing passage migratory populations in Taiwan | binary (0: no; 1: yes) |       |
| BodyMassMean        | Body mass: Mean     | Mean body mass                             | numeric       | mg    |
| BodyMassSD          | Body mass: Standard deviation | Standard deviation of body mass            | numeric       | mg    |
| Column name | Trait: State | Description | Data type | Units |
|-------------|--------------|-------------|-----------|-------|
| BodyLengthMean | Body length: Mean | Mean body length | numeric | mm |
| BodyLengthSD | Body length: Standard deviation | Standard deviation of body length | numeric | mm |
| HeadLengthMean | Head length: Mean | Mean head length | numeric | mm |
| HeadLengthSD | Head length: Standard deviation | Standard deviation of head length | numeric | mm |
| WingLengthMean | Natural wing length: Mean | Mean natural wing length | numeric | mm |
| WingLengthSD | Natural wing length: Standard deviation | Standard deviation of wing length | numeric | mm |
| TailLengthMean | Tail length: Mean | Mean tail length | numeric | mm |
| TailLengthSD | Tail length: Standard deviation | Standard deviation of tail length | numeric | mm |
| TarsusLengthMean | Tarsus length: Mean | Mean tarsus length | numeric | mm |
| TarsusLengthSD | Tarsus length: Standard deviation | Standard deviation of tarsus length | numeric | mm |
| LowElevBound | Lower elevation boundary | Lower elevation boundary of the distributional range in Taiwan | numeric | m |
| HighElevBound | Upper elevation boundary | Upper elevation boundary of the distributional range in Taiwan | numeric | m |
| LowTempBound | Lower temperature boundary | Lower temperature boundary of the distributional range in Taiwan | numeric | °C |
| HighTempBound | Upper temperature boundary | Upper temperature boundary of the distributional range in Taiwan | numeric | °C |
| Nocturnality | Nocturnality | Whether being nocturnal | binary (0: no; 1: yes) | |
| Diet_inv | Diet: Invertebrates | Percentage of invertebrates in the diet | numeric | % |
| Diet_vend | Diet: Mammals and birds | Percentage of mammals and birds in the diet | numeric | % |
| Diet_vect | Diet: Reptiles and amphibians | Percentage of reptiles and amphibians in the diet | numeric | % |
| Diet_fish | Diet: Fish | Percentage of fish in the diet | numeric | % |
| Diet_vunk | Diet: Unknown vertebrates | Percentage of unknown vertebrates in the diet | numeric | % |
| Diet_scav | Diet: Dead organisms | Percentage of dead organisms in diet | numeric | % |
| Diet_fruit | Diet: Fruits | Percentage of fruits in diet | numeric | % |
| Diet_nect | Diet: Nectar and pollen | Percentage of nectar and pollen in diet | numeric | % |
| Diet_seed | Diet: Seeds | Percentage of seeds in diet | numeric | % |
| Diet_planto | Diet: Other plant parts | Percentage of other plant materials in diet | numeric | % |
| Column name                | Trait: State                                      | Description                                          | Data type | Units |
|---------------------------|---------------------------------------------------|------------------------------------------------------|-----------|-------|
| ForStrat_watbelowsurf     | Foraging stratum: Below the water surface         | Prevalence of foraging below water surfaces          | numeric   | %     |
| ForStrat_wataroundsurf    | Foraging stratum: Around the water surface        | Prevalence of foraging around water surfaces         | numeric   | %     |
| ForStrat_ground           | Foraging stratum: On the ground                   | Prevalence of foraging on the ground                | numeric   | %     |
| ForStrat_understory       | Foraging stratum: In forest understory            | Prevalence of foraging below 2 m in understory      | numeric   | %     |
| ForStrat_midhigh          | Foraging stratum: In middle to high levels in trees | Prevalence of foraging in mid to high levels in trees or high bushes | numeric   | %     |
| ForStrat_canopy           | Foraging stratum: In or above tree canopy         | Prevalence of foraging in or just above tree canopy | numeric   | %     |
| ForStrat_aerial           | Foraging stratum: In aerial                       | Prevalence of foraging above vegetation or any structures | numeric   | %     |
| Habitat_forest            | Habitat type: Forest                              | Whether using forest as habitat                      | binary    | (0: no; 1: yes) |
| Habitat_savanna           | Habitat type: Savannah                            | Whether using savannah as habitat                   | binary    | (0: no; 1: yes) |
| Habitat_shrubland         | Habitat type: Shrubland                           | Whether using shrubland as habitat                  | binary    | (0: no; 1: yes) |
| Habitat_grassland         | Habitat type: Grassland                           | Whether using grassland as habitat                  | binary    | (0: no; 1: yes) |
| Habitat_wetland           | Habitat type: Wetland                             | Whether using wetland as habitat                    | binary    | (0: no; 1: yes) |
| Habitat_rocky             | Habitat type: Rocky area                          | Whether using rocky areas as habitat                | binary    | (0: no; 1: yes) |
| Habitat_neritic           | Habitat type: Neritic area                        | Whether using neritic areas as habitat              | binary    | (0: no; 1: yes) |
| Habitat_intertidal        | Habitat type: Intertidal area                     | Whether using intertidal areas as habitat           | binary    | (0: no; 1: yes) |
| Habitat_coastal_supratidal| Habitat type: Coastal or supratidal area          | Whether using coastal or supratidal areas as habitat | binary    | (0: no; 1: yes) |
| Habitat_artificial_terrestrial | Habitat type: Terrestrial artificial area       | Whether using terrestrial artificial areas as habitat | binary    | (0: no; 1: yes) |
| Habitat_artificial_aquatic| Habitat type: Aquatic artificial area            | Whether using aquatic artificial areas as habitat   | binary    | (0: no; 1: yes) |
| Habitat_other             | Habitat type: Other habitats                      | Whether using other habitat types                   | binary    | (0: no; 1: yes) |
| Habitat_unknown           | Habitat type: Unknown habitat                     | Whether using unknown habitat types                 | binary    | (0: no; 1: yes) |
| ClutchSize                | Clutch size                                       | Mean clutch size                                    | numeric   |       |
| IncuPeriod                | Incubation period                                 | Mean incubation period                              | numeric   | day   |
| EggLength                 | Egg length                                        | Mean length of the long diameter of an egg          | numeric   | mm    |
| Column name       | Trait: State                        | Description                                           | Data type       | Units |
|-------------------|-------------------------------------|-------------------------------------------------------|-----------------|-------|
| EggWidth          | Egg width                           | Mean length of the short diameter of an egg           | numeric         | mm    |
| BroodParasite     | Brood parasitism                    | Whether being a brood parasite                        | binary          | (0: no; 1: yes) |
| NestStr_scrape    | Nest structure: Scrape              | Whether using a scrape nest                           | binary          | (0: no; 1: yes) |
| NestStr_platform  | Nest structure: Platform            | Whether using a platform nest                         | binary          | (0: no; 1: yes) |
| NestStr_cup       | Nest structure: Cup                 | Whether using a cup nest                              | binary          | (0: no; 1: yes) |
| NestStr_dome      | Nest structure: Dome                | Whether using a domed nest with no tunnel            | binary          | (0: no; 1: yes) |
| NestStr_dome_tunnel | Nest structure: Dome with tunnel    | Whether using a domed nest with a tunnel             | binary          | (0: no; 1: yes) |
| NestStr_primary_cavity | Nest structure: Primary cavity      | Whether using a primary cavity nest                   | binary          | (0: no; 1: yes) |
| NestStr_second_cavity | Nest structure: Secondary cavity    | Whether using a secondary cavity nest                 | binary          | (0: no; 1: yes) |
| NestSite_ground   | Nest Site: Ground                   | Whether using a nest built on the ground             | binary          | (0: no; 1: yes) |
| NestSite_tree     | Nest Site: Tree                     | Whether using a nest built in/on trees               | binary          | (0: no; 1: yes) |
| NestSite_non_tree | Nest Site: Non-tree vegetation      | Whether using a nest built on non-tree vegetation     | binary          | (0: no; 1: yes) |
| NestSite_cliff    | Nest Site: Cliff and bank           | Whether using a nest built on cliff or banks          | binary          | (0: no; 1: yes) |
| NestSite_underground | Nest Site: Underground             | Whether using a nest built underground               | binary          | (0: no; 1: yes) |
| NestSite_waterbody | Nest Site: Waterbody               | Whether using a nest built in water bodies            | binary          | (0: no; 1: yes) |
| NestSite_termite  | Nest Site: Termite/ant nest         | Whether using a nest built in termite or ant nests    | binary          | (0: no; 1: yes) |
| NestAtt_basal     | Nest attachment: Basal             | Whether using a nest with basal attachment            | binary          | (0: no; 1: yes) |
| NestAtt_forked    | Nest attachment: Horizontally forked | Whether using a nest with horizontally-forked attachment | binary          | (0: no; 1: yes) |
| NestAtt_lateral   | Nest attachment: Lateral           | Whether using a nest with lateral attachment          | binary          | (0: no; 1: yes) |
| NestAtt_pensile   | Nest attachment: Pensile            | Whether using a nest with pensile attachment          | binary          | (0: no; 1: yes) |
Morphology

Our dataset contains six morphological traits, including body mass, body length, head length, natural wing length, tail length and tarsus length (Table 1). We used three methods to calculate or obtain the mean and/or standard deviation of each of the traits: (1) calculating the two statistics from measurements on individual birds, (2) calculating the mean as the average of the maximum and minimum values reported in the data sources and (3) obtaining the two statistics directly from the data sources. The first method was to calculate the values from the measurements on living individuals or specimens, which were obtained from the Avifauna of Taiwan, MAPS banding datasets and the museum specimens. The measurements of juveniles and subadults were excluded from the calculation if the information was available. Some clear outliers (e.g. having a different order of magnitude) were also excluded. When measurements on individuals were not available from the above sources, we calculated the average of the maximum and minimum trait values reported in the Avifauna of Taiwan or HBW Alive. When only the mean and/or standard deviation were available in data sources, including the Avifauna of Taiwan, HBW Alive and the EltonTraits dataset, we included the statistics directly. The information on the data source, sample size and calculation method for each morphological trait of each species is provided in Table 3. For the measurements on individual birds, the information on the individual identifiers (identifiers of museum specimens or series number of banding records) is provided in Suppl. material 1. For the measurements obtained from the Avifauna of Taiwan, the volume and the page where the measurements were extracted are also included in the file.

| SISRecID | ScientificName            | TraitName    | SampleSize | Method | DataSource |
|----------|---------------------------|--------------|------------|--------|------------|
| 22680107 | Aix galericulata          | BodyLength   | NA         | 2      | HBW        |
| 22680107 | Aix galericulata          | BodyMass     | 15         | 1      | AoT        |
| 22680107 | Aix galericulata          | HeadLength   | 1          | 1      | ASIZ       |
| 22680107 | Aix galericulata          | TailLength   | 18         | 1      | AoT; TM    |
| 22680107 | Aix galericulata          | TarsusLength | 16         | 1      | AoT; ASIZ  |
| 22680107 | Aix galericulata          | WingLength   | 18         | 1      | AoT; TM    |
| 22680107 | Aix galericulata          | ClutchSize   | NA         | 2      | AoT        |
| 22680107 | Aix galericulata          | IncuPeriod   | NA         | 2      | HBW        |
| 22680107 | Aix galericulata          | EggLength    | NA         | 2      | HBW        |
| 22680107 | Aix galericulata          | EggWidth     | NA         | 2      | HBW        |
| 22736042 | Anas zonorhyncha          | BodyLength   | 3          | 1      | ASIZ       |
| SISRecID | ScientificName         | TraitName | SampleSize | Method*      | DataSource# |
|----------|------------------------|-----------|------------|--------------|-------------|
| 22736042 | Anas zonorhyncha       | BodyMass  | 1          | 1            | ASIZ        |
| 22736042 | Anas zonorhyncha       | HeadLength| 2          | 1            | ASIZ        |
| 22736042 | Anas zonorhyncha       | TailLength| 6          | 1            | AoT; ASIZ   |
| 22736042 | Anas zonorhyncha       | TarsusLength| 6       | 1            | AoT; ASIZ   |
| 22736042 | Anas zonorhyncha       | WingLength| 6          | 1            | AoT; ASIZ   |
| 22736042 | Anas zonorhyncha       | ClutchSize| NA         | 2            | AoT         |
| 22736042 | Anas zonorhyncha       | IncuPeriod| NA         | 2            | AoT         |
| 22736042 | Anas zonorhyncha       | EggLength | NA         | 2            | HBW         |
| 22736042 | Anas zonorhyncha       | EggWidth  | NA         | 2            | HBW         |
| 22678979 | Synoicus chinensis     | BodyLength| 1          | 1            | ASIZ        |
| 22678979 | Synoicus chinensis     | BodyMass  | 5          | 1            | AoT; ASIZ   |
| 22678979 | Synoicus chinensis     | HeadLength| 1          | 1            | ASIZ        |
| 22678979 | Synoicus chinensis     | TailLength| 5          | 1            | AoT; ASIZ   |
| 22678979 | Synoicus chinensis     | TarsusLength| 6       | 1            | AoT; ASIZ   |
| 22678979 | Synoicus chinensis     | WingLength| 6          | 1            | AoT; ASIZ   |
| 22678979 | Synoicus chinensis     | ClutchSize| 1          | 3            | AoT         |
| 22678979 | Synoicus chinensis     | IncuPeriod| NA         | 2            | HBW         |
| 22678979 | Synoicus chinensis     | EggLength | NA         | 2            | HBW         |
| 22678979 | Synoicus chinensis     | EggWidth  | NA         | 2            | HBW         |
| 22679026 | Arborophila crudigularis| BodyLength| 2          | 1            | ASIZ        |
| 22679026 | Arborophila crudigularis| BodyMass  | 10         | 1            | AoT; MAPS   |
| 22679026 | Arborophila crudigularis| HeadLength| 5          | 1            | ASIZ; MAPS  |
| 22679026 | Arborophila crudigularis| TailLength| 32         | 1            | AoT; ASIZ; MAPS; TM |
| 22679026 | Arborophila crudigularis| TarsusLength| 16       | 1            | AoT; ASIZ; MAPS |
| 22679026 | Arborophila crudigularis| WingLength| 33         | 1            | AoT; ASIZ; MAPS; TM |
| 22679026 | Arborophila crudigularis| ClutchSize| 3          | 2            | AoT         |
| 22679026 | Arborophila crudigularis| IncuPeriod| NA         | 3            | AoT         |
| 22679026 | Arborophila crudigularis| EggLength | 60         | 3            | AoT         |
| 22679026 | Arborophila crudigularis| EggWidth  | 60         | 3            | AoT         |
| 22725205 | Bambusicola sonorivox  | BodyLength| 10         | 1            | ASIZ        |
| 22725205 | Bambusicola sonorivox  | BodyMass  | 21         | 1            | AoT; ASIZ; MAPS |
| 22725205 | Bambusicola sonorivox  | HeadLength| 14         | 1            | ASIZ; MAPS  |
| 22725205 | Bambusicola sonorivox  | TailLength| 33         | 1            | AoT; ASIZ; MAPS; TM |
| 22725205 | Bambusicola sonorivox  | TarsusLength| 25       | 1            | AoT; ASIZ; MAPS |
| 22725205 | Bambusicola sonorivox  | WingLength| 35         | 1            | AoT; ASIZ; MAPS; TM |
| 22725205 | Bambusicola sonorivox  | ClutchSize| NA         | 2            | AoT         |
| SISRecID   | ScientificName      | TraitName   | SampleSize | Method | DataSource |
|-----------|---------------------|-------------|------------|--------|------------|
| 22725205  | *Bambusicola sonorivox* | IncuPeriod   | NA         | NA     | NA         |
| 22725205  | *Bambusicola sonorivox* | EggLength    | NA         | 2      | AoT        |
| 22725205  | *Bambusicola sonorivox* | EggWidth     | NA         | 2      | AoT        |
| 22679336  | *Syrmatics mikado*   | BodyLength   | NA         | 2      | HBW        |
| 22679336  | *Syrmatics mikado*   | BodyMass     | 4          | 1      | AoT        |
| 22679336  | *Syrmatics mikado*   | HeadLength   | NA         | NA     | NA         |
| 22679336  | *Syrmatics mikado*   | TailLength   | 18         | 1      | AoT; TM    |
| 22679336  | *Syrmatics mikado*   | TarsusLength | 4          | 1      | AoT        |
| 22679336  | *Syrmatics mikado*   | WingLength   | 18         | 1      | AoT; TM    |
| 22679336  | *Syrmatics mikado*   | ClutchSize   | NA         | 2      | AoT        |
| 45100023  | *Phasianus colchicus* | BodyLength   | 2          | 1      | ASIZ       |
| 45100023  | *Phasianus colchicus* | BodyMass     | 15         | 1      | AoT        |
| 45100023  | *Phasianus colchicus* | HeadLength   | 1          | 1      | ASIZ       |
| 45100023  | *Phasianus colchicus* | TailLength   | 29         | 1      | AoT; ASIZ; TM |
| 45100023  | *Phasianus colchicus* | TarsusLength | 20         | 1      | AoT; ASIZ  |
| 45100023  | *Phasianus colchicus* | WingLength   | 33         | 1      | AoT; ASIZ; TM |
| 45100023  | *Phasianus colchicus* | ClutchSize   | NA         | 2      | AoT        |
| 45100023  | *Phasianus colchicus* | IncuPeriod   | NA         | 2      | AoT        |
| 45100023  | *Phasianus colchicus* | EggLength    | 1054       | 3      | AoT        |
| 22679241  | *Lophura swinhoii*   | BodyLength   | 1          | 1      | ASIZ       |
| 22679241  | *Lophura swinhoii*   | BodyMass     | 5          | 1      | AoT        |
| 22679241  | *Lophura swinhoii*   | HeadLength   | 2          | 1      | ASIZ; MAPS |
| 22679241  | *Lophura swinhoii*   | TailLength   | 19         | 1      | AoT; ASIZ; MAPS; TM |
| 22679241  | *Lophura swinhoii*   | TarsusLength | 8          | 1      | AoT; ASIZ; MAPS |
| 22679241  | *Lophura swinhoii*   | WingLength   | 21         | 1      | AoT; ASIZ; MAPS; TM |
| 22679241  | *Lophura swinhoii*   | ClutchSize   | 10         | 3      | AoT        |
| 22679241  | *Lophura swinhoii*   | IncuPeriod   | NA         | 2      | AoT        |
| 22679241  | *Lophura swinhoii*   | EggLength    | NA         | 3      | AoT        |
| 22679241  | *Lophura swinhoii*   | EggWidth     | NA         | 3      | AoT        |
| 22696545  | *Tachybaptus ruficollis* | BodyLength | NA         | 2      | NBW        |
| 22696545  | *Tachybaptus ruficollis* | BodyMass | 5          | 1      | AoT        |
| 22696545  | *Tachybaptus ruficollis* | HeadLength | NA         | NA     | NA         |
| SISRecID  | ScientificName         | TraitName       | SampleSize | Method   | DataSource |
|----------|------------------------|-----------------|------------|----------|------------|
| 22696545 | Tachybaptus ruficollis | TailLength      | 4          | 1        | AoT        |
| 22696545 | Tachybaptus ruficollis | TarsusLength    | 10         | 1        | AoT        |
| 22696545 | Tachybaptus ruficollis | WingLength      | 15         | 1        | AoT; TM    |
| 22696545 | Tachybaptus ruficollis | ClutchSize      | NA         | 2        | AoT        |
| 22696545 | Tachybaptus ruficollis | IncuPeriod      | NA         | 2        | HBW        |
| 22696545 | Tachybaptus ruficollis | EggLength       | NA         | 3        | AoT        |
| 22696545 | Tachybaptus ruficollis | EggWidth        | NA         | 3        | AoT        |
| 22697303 | Ixobrychus sinensis    | BodyLength      | 4          | 1        | ASIZ       |
| 22697303 | Ixobrychus sinensis    | BodyMass        | 4          | 1        | ASIZ       |
| 22697303 | Ixobrychus sinensis    | HeadLength      | 6          | 1        | ASIZ       |
| 22697303 | Ixobrychus sinensis    | TailLength      | 11         | 1        | AoT; ASIZ; TM |
| 22697303 | Ixobrychus sinensis    | TarsusLength    | 10         | 1        | AoT; ASIZ  |
| 22697303 | Ixobrychus sinensis    | WingLength      | 11         | 1        | AoT; ASIZ; TM |
| 22697303 | Ixobrychus sinensis    | ClutchSize      | NA         | 2        | AoT        |
| 22697303 | Ixobrychus sinensis    | IncuPeriod      | NA         | 3        | AoT        |
| 22697303 | Ixobrychus sinensis    | EggLength       | NA         | 2        | AoT        |
| 22697303 | Ixobrychus sinensis    | EggWidth        | NA         | 2        | AoT        |
| 22697323 | Ixobrychus cinnamomeus | BodyLength      | 2          | 1        | ASIZ       |
| 22697323 | Ixobrychus cinnamomeus | BodyMass        | 2          | 1        | ASIZ       |
| 22697323 | Ixobrychus cinnamomeus | HeadLength      | 4          | 1        | ASIZ       |
| 22697323 | Ixobrychus cinnamomeus | TailLength      | 16         | 1        | AoT; ASIZ; TM |
| 22697323 | Ixobrychus cinnamomeus | TarsusLength    | 16         | 1        | AoT; ASIZ; TM |
| 22697323 | Ixobrychus cinnamomeus | WingLength      | 16         | 1        | AoT; ASIZ; TM |
| 22697323 | Ixobrychus cinnamomeus | ClutchSize      | NA         | 2        | AoT        |
| 22697323 | Ixobrychus cinnamomeus | IncuPeriod      | NA         | 2        | AoT        |
| 22697323 | Ixobrychus cinnamomeus | EggLength       | 4          | 3        | AoT        |
| 22697323 | Ixobrychus cinnamomeus | EggWidth        | 4          | 3        | AoT        |
| 22697031 | Ardea purpurea         | BodyLength      | NA         | 2        | HBW        |
| 22697031 | Ardea purpurea         | BodyMass        | 1          | 1        | AoT        |
| 22697031 | Ardea purpurea         | HeadLength      | NA         | NA       | NA         |
| 22697031 | Ardea purpurea         | TailLength      | 6          | 1        | AoT; TM    |
| 22697031 | Ardea purpurea         | TarsusLength    | 2          | 1        | AoT        |
| 22697031 | Ardea purpurea         | WingLength      | 6          | 1        | AoT; TM    |
| 22697031 | Ardea purpurea         | ClutchSize      | NA         | 2        | HBW        |
| 22697031 | Ardea purpurea         | IncuPeriod      | NA         | 2        | HBW        |
| 22697031 | Ardea purpurea         | EggLength       | NA         | 2        | HBW        |
| SISRecID  | ScientificName   | TraitName       | SampleSize | Method | DataSource |
|-----------|------------------|-----------------|------------|--------|------------|
| 22697031 | Ardea purpurea   | EggWidth        | NA         | 2      | HBW        |
| 22697043 | Ardea alba       | BodyLength      | NA         | 2      | HBW        |
| 22697043 | Ardea alba       | BodyMass        | 5          | 1      | AoT        |
| 22697043 | Ardea alba       | HeadLength      | NA         | NA     | NA         |
| 22697043 | Ardea alba       | TailLength      | 9          | 1      | AoT        |
| 22697043 | Ardea alba       | TarsusLength    | 9          | 1      | AoT        |
| 22697043 | Ardea alba       | WingLength      | 9          | 1      | AoT        |
| 22697043 | Ardea alba       | ClutchSize      | NA         | 2      | HBW        |
| 22697043 | Ardea alba       | IncuPeriod      | NA         | 2      | HBW        |
| 22697043 | Ardea alba       | EggLength       | NA         | 3      | HBW        |
| 22697043 | Ardea alba       | EggWidth        | NA         | 3      | HBW        |
| 62774969 | Egretta garzetta | BodyLength      | 9          | 1      | ASIZ       |
| 62774969 | Egretta garzetta | BodyMass        | 9          | 1      | ASIZ       |
| 62774969 | Egretta garzetta | HeadLength      | 14         | 1      | ASIZ       |
| 62774969 | Egretta garzetta | TailLength      | 21         | 1      | AoT; ASIZ  |
| 62774969 | Egretta garzetta | TarsusLength    | 22         | 1      | AoT; ASIZ  |
| 62774969 | Egretta garzetta | WingLength      | 22         | 1      | AoT; ASIZ  |
| 62774969 | Egretta garzetta | ClutchSize      | NA         | 2      | AoT        |
| 62774969 | Egretta garzetta | IncuPeriod      | NA         | 2      | AoT        |
| 62774969 | Egretta garzetta | EggLength       | NA         | 3      | AoT        |
| 62774969 | Egretta garzetta | EggWidth        | NA         | 3      | AoT        |
| 22696980 | Egretta sacra    | BodyLength      | NA         | 2      | HBW        |
| 22696980 | Egretta sacra    | BodyMass        | NA         | 2      | HBW        |
| 22696980 | Egretta sacra    | HeadLength      | NA         | NA     | NA         |
| 22696980 | Egretta sacra    | TailLength      | 7          | 1      | TM; YIO    |
| 22696980 | Egretta sacra    | TarsusLength    | 3          | 1      | YIO        |
| 22696980 | Egretta sacra    | WingLength      | 7          | 1      | TM; YIO    |
| 22696980 | Egretta sacra    | ClutchSize      | NA         | 2      | AoT        |
| 22696980 | Egretta sacra    | IncuPeriod      | NA         | 2      | AoT        |
| 22696980 | Egretta sacra    | EggLength       | 20         | 3      | AoT        |
| 22696980 | Egretta sacra    | EggWidth        | 20         | 3      | AoT        |
| 22697109 | Bubulcus ibis    | BodyLength      | 14         | 1      | ASIZ       |
| 22697109 | Bubulcus ibis    | BodyMass        | 9          | 1      | ASIZ       |
| 22697109 | Bubulcus ibis    | HeadLength      | 17         | 1      | ASIZ       |
| 22697109 | Bubulcus ibis    | TailLength      | 32         | 1      | AoT; ASIZ  |
| 22697109 | Bubulcus ibis    | TarsusLength    | 32         | 1      | AoT; ASIZ  |
| SISRecID   | ScientificName      | TraitName   | SampleSize | Method* | DataSource# |
|-----------|---------------------|-------------|------------|---------|-------------|
| 22697109  | Bubulcus ibis       | WingLength  | 32         | 1       | AoT; ASIZ   |
| 22697109  | Bubulcus ibis       | ClutchSize  | NA         | 2       | AoT         |
| 22697109  | Bubulcus ibis       | IncuPeriod  | NA         | 2       | AoT         |
| 22697109  | Bubulcus ibis       | EggLength   | NA         | 2       | HBW         |
| 22697109  | Bubulcus ibis       | EggWidth    | NA         | 2       | HBW         |
| 22728182  | Butorides striata   | BodyLength  | 1          | 1       | ASIZ        |
| 22728182  | Butorides striata   | BodyMass    | 1          | 1       | ASIZ        |
| 22728182  | Butorides striata   | HeadLength  | 1          | 1       | ASIZ        |
| 22728182  | Butorides striata   | TailLength  | 6          | 1       | AoT; ASIZ; TM |
| 22728182  | Butorides striata   | ClutchSize  | NA         | 2       | AoT         |
| 22728182  | Butorides striata   | IncuPeriod  | NA         | 2       | AoT         |
| 22728182  | Butorides striata   | EggLength   | NA         | 3       | HBW         |
| 22728182  | Butorides striata   | EggWidth    | NA         | 3       | HBW         |
| 22697211  | Nycticorax ncticorax| BodyLength  | 14         | 1       | ASIZ        |
| 22697211  | Nycticorax ncticorax| BodyMass    | 12         | 1       | ASIZ        |
| 22697211  | Nycticorax ncticorax| HeadLength  | 23         | 1       | ASIZ        |
| 22697211  | Nycticorax ncticorax| TailLength  | 40         | 1       | AoT; ASIZ; MAPS |
| 22697211  | Nycticorax ncticorax| TarsusLength| 41         | 1       | AoT; ASIZ; MAPS |
| 22697211  | Nycticorax ncticorax| WingLength  | 41         | 1       | AoT; ASIZ; MAPS |
| 22697211  | Nycticorax ncticorax| ClutchSize  | NA         | 2       | AoT         |
| 22697211  | Nycticorax ncticorax| IncuPeriod  | NA         | 2       | AoT         |
| 22697211  | Nycticorax ncticorax| EggLength   | NA         | 3       | AoT         |
| 22697211  | Nycticorax ncticorax| EggWidth    | NA         | 3       | AoT         |
| 22697242  | Gorsachius melanolphus| BodyLength | 13         | 1       | ASIZ        |
| 22697242  | Gorsachius melanolphus| BodyMass    | 5          | 1       | ASIZ; MAPS  |
| 22697242  | Gorsachius melanolphus| HeadLength  | 22         | 1       | ASIZ; MAPS  |
| 22697242  | Gorsachius melanolphus| TailLength  | 24         | 1       | AoT; ASIZ; MAPS |
| 22697242  | Gorsachius melanolphus| TarsusLength| 25         | 1       | AoT; ASIZ; MAPS |
| 22697242  | Gorsachius melanolphus| WingLength  | 23         | 1       | AoT; ASIZ; MAPS |
| 22697242  | Gorsachius melanolphus| ClutchSize  | NA         | 2       | AoT         |
| 22697242  | Gorsachius melanolphus| IncuPeriod  | NA         | 2       | AoT         |
| 22697242  | Gorsachius melanolphus| EggLength   | 1          | 3       | HBW         |
| 22697242  | Gorsachius melanolphus| EggWidth    | 1          | 3       | HBW         |
| 22695028  | Elanus caeruleus    | BodyLength  | 1          | 1       | ASIZ        |
| SISRecID  | ScientificName        | TraitName   | SampleSize | Method | DataSource |
|----------|-----------------------|-------------|------------|--------|------------|
| 22695028 | *Elanus caeruleus*    | BodyMass    | NA         | 2      | HBW        |
| 22695028 | *Elanus caeruleus*    | HeadLength  | 1          | 1      | ASIZ       |
| 22695028 | *Elanus caeruleus*    | TailLength  | 2          | 1      | AoT; ASIZ  |
| 22695028 | *Elanus caeruleus*    | TarsusLength| 3          | 1      | AoT; ASIZ  |
| 22695028 | *Elanus caeruleus*    | WingLength  | 3          | 1      | AoT; ASIZ  |
| 22695028 | *Elanus caeruleus*    | ClutchSize  | NA         | 2      | AoT        |
| 22695028 | *Elanus caeruleus*    | IncuPeriod  | NA         | 2      | HBW        |
| 22695028 | *Elanus caeruleus*    | EggLength   | NA         | 3      | HBW        |
| 22695028 | *Elanus caeruleus*    | EggWidth    | NA         | 3      | HBW        |
| 22694995 | *Pernis ptilorhynchus*| BodyLength  | NA         | 2      | HBW        |
| 22694995 | *Pernis ptilorhynchus*| BodyMass    | 8          | 1      | AoT        |
| 22694995 | *Pernis ptilorhynchus*| HeadLength  | 1          | 1      | ASIZ       |
| 22694995 | *Pernis ptilorhynchus*| TailLength  | 8          | 1      | AoT        |
| 22694995 | *Pernis ptilorhynchus*| TarsusLength| 9          | 1      | AoT; ASIZ  |
| 22694995 | *Pernis ptilorhynchus*| WingLength  | 8          | 1      | AoT        |
| 22694995 | *Pernis ptilorhynchus*| ClutchSize  | NA         | 3      | AoT        |
| 22694995 | *Pernis ptilorhynchus*| IncuPeriod  | NA         | 2      | HBW        |
| 22694995 | *Pernis ptilorhynchus*| EggLength   | NA         | NA     | NA         |
| 22694995 | *Pernis ptilorhynchus*| EggWidth    | NA         | NA     | NA         |
| 22695293 | *Spilornis cheela*     | BodyLength  | 17         | 1      | ASIZ       |
| 22695293 | *Spilornis cheela*     | BodyMass    | 6          | 1      | ASIZ       |
| 22695293 | *Spilornis cheela*     | HeadLength  | 20         | 1      | ASIZ       |
| 22695293 | *Spilornis cheela*     | TailLength  | 31         | 1      | AoT; ASIZ  |
| 22695293 | *Spilornis cheela*     | TarsusLength| 31         | 1      | AoT; ASIZ  |
| 22695293 | *Spilornis cheela*     | WingLength  | 31         | 1      | AoT; ASIZ  |
| 22695293 | *Spilornis cheela*     | ClutchSize  | NA         | 3      | AoT        |
| 22695293 | *Spilornis cheela*     | IncuPeriod  | NA         | 2      | HBW        |
| 22695293 | *Spilornis cheela*     | EggLength   | 1          | 3      | AoT        |
| 22695293 | *Spilornis cheela*     | EggWidth    | 1          | 3      | AoT        |
| 22696153 | *Nisaetus nipalensis*  | BodyLength  | NA         | 2      | HBW        |
| 22696153 | *Nisaetus nipalensis*  | BodyMass    | 3          | 1      | AoT        |
| 22696153 | *Nisaetus nipalensis*  | HeadLength  | 1          | 1      | ASIZ       |
| 22696153 | *Nisaetus nipalensis*  | TailLength  | 4          | 1      | AoT; ASIZ  |
| 22696153 | *Nisaetus nipalensis*  | TarsusLength| 4          | 1      | AoT; ASIZ  |
| 22696153 | *Nisaetus nipalensis*  | WingLength  | 4          | 1      | AoT; ASIZ  |
| 22696153 | *Nisaetus nipalensis*  | ClutchSize  | NA         | 3      | AoT        |
| SISRecID | ScientificName       | TraitName | SampleSize | Method | DataSource |
|---------|----------------------|-----------|------------|--------|------------|
| 22696153 | Nisaetus nipalensis  | IncuPeriod| NA         | 2      | HBW        |
| 22696153 | Nisaetus nipalensis  | EggLength | NA         | 3      | HBW        |
| 22696153 | Nisaetus nipalensis  | EggWidth  | NA         | 3      | HBW        |
| 22696019 | Ictinaetus malaiensis| BodyLength| 1          | 1      | YIO        |
| 22696019 | Ictinaetus malaiensis| BodyMass  | NA         | 2      | HBW        |
| 22696019 | Ictinaetus malaiensis| HeadLength| 1          | 1      | YIO        |
| 22696019 | Ictinaetus malaiensis| TailLength| 1          | 1      | YIO        |
| 22696019 | Ictinaetus malaiensis| TarsusLength| 1        | 1      | AoT        |
| 22696019 | Ictinaetus malaiensis| WingLength| 2          | 1      | AoT; YIO   |
| 22696019 | Ictinaetus malaiensis| ClutchSize| NA         | 2      | AoT        |
| 22696019 | Ictinaetus malaiensis| IncuPeriod| NA         | 2      | HBW        |
| 22696019 | Ictinaetus malaiensis| EggLength | NA         | NA     | NA         |
| 22695462 | Accipiter trivirgatus | BodyLength| 19         | 1      | ASIZ       |
| 22695462 | Accipiter trivirgatus | BodyMass  | 9          | 1      | ASIZ; MAPS |
| 22695462 | Accipiter trivirgatus | HeadLength| 24         | 1      | ASIZ; MAPS |
| 22695462 | Accipiter trivirgatus | TailLength| 37         | 1      | AoT; ASIZ; MAPS |
| 22695462 | Accipiter trivirgatus | TarsusLength| 39      | 1      | AoT; ASIZ; MAPS |
| 22695462 | Accipiter trivirgatus | WingLength| 36         | 1      | AoT; ASIZ; MAPS |
| 22695462 | Accipiter trivirgatus | ClutchSize | NA       | 3      | AoT        |
| 22695462 | Accipiter trivirgatus | IncuPeriod| NA         | 3      | AoT        |
| 22695462 | Accipiter trivirgatus | EggLength | NA         | 3      | AoT        |
| 22695462 | Accipiter trivirgatus | EggWidth  | NA         | 3      | AoT        |
| 22695588 | Accipiter virgatus   | BodyLength| 8          | 1      | ASIZ       |
| 22695588 | Accipiter virgatus   | BodyMass  | 1          | 1      | ASIZ       |
| 22695588 | Accipiter virgatus   | HeadLength| 9          | 1      | ASIZ; MAPS |
| 22695588 | Accipiter virgatus   | TailLength| 23         | 1      | AoT; ASIZ; MAPS |
| 22695588 | Accipiter virgatus   | TarsusLength| 21      | 1      | AoT; ASIZ; MAPS |
| 22695588 | Accipiter virgatus   | WingLength| 22         | 1      | AoT; ASIZ; MAPS |
| 22695588 | Accipiter virgatus   | ClutchSize| NA         | 2      | AoT        |
| 22695588 | Accipiter virgatus   | IncuPeriod| NA         | 2      | AoT        |
| 22695588 | Accipiter virgatus   | EggLength | 4          | 3      | AoT        |
| 22695588 | Accipiter virgatus   | EggWidth  | 4          | 3      | AoT        |
| 22734972 | Milvus migrans      | BodyLength| 1          | 1      | ASIZ       |
| 22734972 | Milvus migrans      | BodyMass  | NA         | 2      | HBW        |
| 22734972 | Milvus migrans      | HeadLength| 1          | 1      | ASIZ       |
| SISRecID | ScientificName   | TraitName     | SampleSize | Method | DataSource |
|---------|-----------------|---------------|------------|--------|------------|
| 22734972 | Milvus migrans | TailLength    | 5          | 1      | AoT; ASIZ  |
| 22734972 | Milvus migrans | TarsusLength  | 5          | 1      | AoT; ASIZ  |
| 22734972 | Milvus migrans | WingLength    | 5          | 1      | AoT; ASIZ  |
| 22734972 | Milvus migrans | ClutchSize    | NA         | 2      | AoT        |
| 22734972 | Milvus migrans | IncuPeriod    | NA         | 2      | AoT        |
| 22734972 | Milvus migrans | EggLength     | NA         | 3      | AoT        |
| 22734972 | Milvus migrans | EggWidth      | NA         | 3      | AoT        |
| 22692317 | Rallina eurizonoides | BodyLength | 7          | 1      | ASIZ      |
| 22692317 | Rallina eurizonoides | BodyMass    | 15         | 1      | AoT; ASIZ  |
| 22692317 | Rallina eurizonoides | HeadLength | 6          | 1      | ASIZ      |
| 22692317 | Rallina eurizonoides | TailLength | 16         | 1      | AoT; ASIZ  |
| 22692317 | Rallina eurizonoides | TarsusLength | 17      | 1      | AoT; ASIZ  |
| 22692317 | Rallina eurizonoides | WingLength | 17         | 1      | AoT; ASIZ  |
| 22692317 | Rallina eurizonoides | ClutchSize | NA         | 2      | HBW       |
| 22692317 | Rallina eurizonoides | IncuPeriod | NA         | NA     | NA        |
| 22692317 | Rallina eurizonoides | EggLength | NA         | NA     | NA        |
| 22692317 | Rallina eurizonoides | EggWidth | NA         | NA     | NA        |
| 22692463 | Lewinia striata | BodyLength    | 2          | 1      | ASIZ      |
| 22692463 | Lewinia striata | BodyMass      | 4          | 1      | AoT       |
| 22692463 | Lewinia striata | HeadLength    | 2          | 1      | ASIZ      |
| 22692463 | Lewinia striata | TailLength    | 5          | 1      | AoT; ASIZ  |
| 22692463 | Lewinia striata | TarsusLength  | 7          | 1      | AoT; ASIZ  |
| 22692463 | Lewinia striata | WingLength    | 7          | 1      | AoT; ASIZ  |
| 22692463 | Lewinia striata | ClutchSize    | 1          | 3      | AoT       |
| 22692463 | Lewinia striata | IncuPeriod    | NA         | 2      | HBW       |
| 22692463 | Lewinia striata | EggLength     | NA         | 3      | AoT       |
| 22692463 | Lewinia striata | EggWidth      | NA         | 3      | AoT       |
| 22692640 | Amaurornis phoenicurus | BodyLength | 5          | 1      | ASIZ      |
| 22692640 | Amaurornis phoenicurus | BodyMass    | 11         | 1      | AoT; ASIZ  |
| 22692640 | Amaurornis phoenicurus | HeadLength | 8          | 1      | ASIZ      |
| 22692640 | Amaurornis phoenicurus | TailLength | 15         | 1      | AoT; ASIZ  |
| 22692640 | Amaurornis phoenicurus | TarsusLength | 17      | 1      | AoT; ASIZ  |
| 22692640 | Amaurornis phoenicurus | WingLength | 17         | 1      | AoT; ASIZ  |
| 22692640 | Amaurornis phoenicurus | ClutchSize | NA         | 2      | AoT       |
| 22692640 | Amaurornis phoenicurus | IncuPeriod | NA         | 3      | HBW       |
| 22692640 | Amaurornis phoenicurus | EggLength | NA         | 3      | AoT       |
| SISRecID   | ScientificName       | TraitName   | SampleSize | Method* | DataSource# |
|-----------|----------------------|-------------|------------|---------|-------------|
| 22692640  | Amaurornis phoenicurus | EggWidth    | NA         | 3       | AoT         |
| 22692699  | Zapornia fusca       | BodyLength  | 2          | 1       | ASIZ        |
| 22692699  | Zapornia fusca       | BodyMass    | 13         | 1       | AoT; ASIZ   |
| 22692699  | Zapornia fusca       | HeadLength  | 2          | 1       | ASIZ        |
| 22692699  | Zapornia fusca       | TailLength  | 13         | 1       | AoT; ASIZ   |
| 22692699  | Zapornia fusca       | TarsusLength| 14         | 1       | AoT; ASIZ   |
| 22692699  | Zapornia fusca       | WingLength  | 14         | 1       | AoT; ASIZ   |
| 22692699  | Zapornia fusca       | ClutchSize  | NA         | 2       | HBW         |
| 22692699  | Zapornia fusca       | IncuPeriod  | NA         | 3       | AoT         |
| 22692699  | Zapornia fusca       | EggLength   | NA         | 3       | AoT         |
| 22692699  | Zapornia fusca       | EggWidth    | NA         | 3       | AoT         |
| 22692789  | Gallicrex cinerea     | BodyLength  | 4          | 1       | ASIZ        |
| 22692789  | Gallicrex cinerea     | BodyMass    | 7          | 1       | AoT; ASIZ   |
| 22692789  | Gallicrex cinerea     | HeadLength  | 4          | 1       | ASIZ        |
| 22692789  | Gallicrex cinerea     | TailLength  | 11         | 1       | AoT; ASIZ   |
| 22692789  | Gallicrex cinerea     | TarsusLength| 12         | 1       | AoT; ASIZ   |
| 22692789  | Gallicrex cinerea     | WingLength  | 12         | 1       | AoT; ASIZ   |
| 22692789  | Gallicrex cinerea     | ClutchSize  | NA         | 3       | AoT         |
| 22692789  | Gallicrex cinerea     | IncuPeriod  | NA         | NA      | NA          |
| 22692789  | Gallicrex cinerea     | EggLength   | NA         | NA      | NA          |
| 22692789  | Gallicrex cinerea     | EggWidth    | NA         | NA      | NA          |
| 62120190  | Gallinula chloropus  | BodyLength  | 5          | 1       | ASIZ        |
| 62120190  | Gallinula chloropus  | BodyMass    | 9          | 1       | AoT; ASIZ   |
| 62120190  | Gallinula chloropus  | HeadLength  | 7          | 1       | ASIZ        |
| 62120190  | Gallinula chloropus  | TailLength  | 13         | 1       | AoT; ASIZ   |
| 62120190  | Gallinula chloropus  | TarsusLength| 14         | 1       | AoT; ASIZ   |
| 62120190  | Gallinula chloropus  | WingLength  | 13         | 1       | AoT; ASIZ   |
| 62120190  | Gallinula chloropus  | ClutchSize  | NA         | 2       | AoT         |
| 62120190  | Gallinula chloropus  | IncuPeriod  | NA         | 2       | AoT         |
| 62120190  | Gallinula chloropus  | EggLength   | NA         | 3       | AoT         |
| 62120190  | Gallinula chloropus  | EggWidth    | NA         | 3       | AoT         |
| 22727969  | Himantopus himantopus| BodyLength  | 1          | 1       | ASIZ        |
| 22727969  | Himantopus himantopus| BodyMass    | 1          | 1       | ASIZ        |
| 22727969  | Himantopus himantopus| HeadLength  | 3          | 1       | ASIZ        |
| 22727969  | Himantopus himantopus| TailLength  | 3          | 1       | ASIZ        |
| 22727969  | Himantopus himantopus| TarsusLength| 3          | 1       | ASIZ        |
| SISRecID | ScientificName     | TraitName     | SampleSize | Method | DataSource |
|---------|-------------------|---------------|------------|--------|------------|
| 22727969 | Himantopus himantopus | WingLength   | 3          | 1      | ASIZ       |
| 22727969 | Himantopus himantopus | ClutchSize   | NA         | 3      | AoT        |
| 22727969 | Himantopus himantopus | IncuPeriod   | NA         | 2      | AoT        |
| 22727969 | Himantopus himantopus | EggLength    | NA         | 2      | HBW        |
| 22727969 | Himantopus himantopus | EggWidth     | NA         | 2      | HBW        |
| 2272487  | Charadrius alexandrinus | BodyLength  | 6          | 1      | ASIZ       |
| 2272487  | Charadrius alexandrinus | BodyMass    | 2          | 1      | ASIZ       |
| 2272487  | Charadrius alexandrinus | HeadLength  | 8          | 1      | ASIZ       |
| 2272487  | Charadrius alexandrinus | TailLength  | 27         | 1      | AoT; ASIZ  |
| 2272487  | Charadrius alexandrinus | TarsusLength | 27        | 1      | AoT; ASIZ  |
| 2272487  | Charadrius alexandrinus | WingLength  | 27         | 1      | AoT; ASIZ  |
| 2272487  | Charadrius alexandrinus | ClutchSize  | NA         | 2      | AoT        |
| 2272487  | Charadrius alexandrinus | IncuPeriod  | NA         | 2      | AoT        |
| 2272487  | Charadrius alexandrinus | EggLength   | NA         | 3      | AoT        |
| 2272487  | Charadrius alexandrinus | EggWidth    | NA         | 3      | AoT        |
| 22693770 | Charadrius dubius      | BodyLength   | 3          | 1      | ASIZ       |
| 22693770 | Charadrius dubius      | BodyMass     | 2          | 1      | ASIZ       |
| 22693770 | Charadrius dubius      | HeadLength   | 3          | 1      | ASIZ       |
| 22693770 | Charadrius dubius      | TailLength   | 12         | 1      | AoT; ASIZ  |
| 22693770 | Charadrius dubius      | TarsusLength | 12         | 1      | AoT; ASIZ  |
| 22693770 | Charadrius dubius      | WingLength   | 12         | 1      | AoT; ASIZ  |
| 22693770 | Charadrius dubius      | ClutchSize   | NA         | 2      | AoT        |
| 22693770 | Charadrius dubius      | IncuPeriod   | NA         | 2      | HBW        |
| 22693770 | Charadrius dubius      | EggLength    | NA         | 3      | HBW        |
| 22693770 | Charadrius dubius      | EggWidth     | NA         | 3      | HBW        |
| 22735810 | Rostratula benghalensis | BodyLength  | 18         | 1      | ASIZ       |
| 22735810 | Rostratula benghalensis | BodyMass    | 12         | 1      | AoT; ASIZ  |
| 22735810 | Rostratula benghalensis | HeadLength  | 21         | 1      | ASIZ       |
| 22735810 | Rostratula benghalensis | TailLength  | 22         | 1      | AoT; ASIZ  |
| 22735810 | Rostratula benghalensis | TarsusLength | 23        | 1      | AoT; ASIZ  |
| 22735810 | Rostratula benghalensis | WingLength   | 22         | 1      | AoT; ASIZ  |
| 22735810 | Rostratula benghalensis | ClutchSize   | NA         | 2      | AoT        |
| 22735810 | Rostratula benghalensis | IncuPeriod   | NA         | 2      | AoT        |
| 22735810 | Rostratula benghalensis | EggLength   | NA         | 2      | HBW        |
| 22735810 | Rostratula benghalensis | EggWidth    | NA         | 2      | HBW        |
| 22693543 | Hydrophasianus chirurgus | BodyLength  | 10         | 1      | ASIZ       |
| SISRecID | ScientificName         | TraitName  | SampleSize | Method | DataSource |
|----------|------------------------|------------|------------|--------|------------|
| 22693543 | *Hydrophasianus chirurgus* | BodyMass   | 3          | 1      | AoT        |
| 22693543 | *Hydrophasianus chirurgus* | HeadLength | 11         | 1      | ASIZ       |
| 22693543 | *Hydrophasianus chirurgus* | TailLength | 14         | 1      | AoT; ASIZ  |
| 22693543 | *Hydrophasianus chirurgus* | TarsusLength | 15     | 1      | AoT; ASIZ  |
| 22693543 | *Hydrophasianus chirurgus* | WingLength | 15         | 1      | AoT; ASIZ  |
| 22693543 | *Hydrophasianus chirurgus* | ClutchSize | NA         | 3      | AoT        |
| 22693543 | *Hydrophasianus chirurgus* | IncuPeriod | NA         | 2      | AoT        |
| 22693543 | *Hydrophasianus chirurgus* | EggLength  | 16         | 3      | AoT        |
| 22693543 | *Hydrophasianus chirurgus* | EggWidth   | 16         | 3      | AoT        |
| 22680500 | *Turnix sylvaticus*      | BodyLength | 1          | 1      | YIO        |
| 22680500 | *Turnix sylvaticus*      | BodyMass   | NA         | 2      | HBW        |
| 22680500 | *Turnix sylvaticus*      | HeadLength | 1          | 1      | YIO        |
| 22680500 | *Turnix sylvaticus*      | TailLength | 2          | 1      | AoT; YIO   |
| 22680500 | *Turnix sylvaticus*      | TarsusLength | 2      | 1      | AoT; YIO   |
| 22680500 | *Turnix sylvaticus*      | WingLength | 2          | 1      | AoT; YIO   |
| 22680500 | *Turnix sylvaticus*      | ClutchSize | NA         | 2      | AoT        |
| 22680500 | *Turnix sylvaticus*      | IncuPeriod | NA         | 2      | HBW        |
| 22680500 | *Turnix sylvaticus*      | EggLength  | NA         | 3      | AoT        |
| 22680500 | *Turnix sylvaticus*      | EggWidth   | NA         | 3      | AoT        |
| 22680549 | *Turnix suscitator*      | BodyLength | 4          | 1      | ASIZ       |
| 22680549 | *Turnix suscitator*      | BodyMass   | 2          | 1      | ASIZ       |
| 22680549 | *Turnix suscitator*      | HeadLength | 5          | 1      | ASIZ       |
| 22680549 | *Turnix suscitator*      | TailLength | 14         | 1      | AoT; ASIZ  |
| 22680549 | *Turnix suscitator*      | TarsusLength | 15     | 1      | AoT; ASIZ  |
| 22680549 | *Turnix suscitator*      | WingLength | 15         | 1      | AoT; ASIZ  |
| 22680549 | *Turnix suscitator*      | ClutchSize | NA         | 3      | AoT        |
| 22680549 | *Turnix suscitator*      | IncuPeriod | NA         | 2      | HBW        |
| 22680549 | *Turnix suscitator*      | EggLength  | NA         | 3      | AoT        |
| 22694132 | *Glareola maldivarum*    | BodyLength | 10         | 1      | ASIZ       |
| 22694132 | *Glareola maldivarum*    | BodyMass   | 10         | 1      | AoT; ASIZ  |
| 22694132 | *Glareola maldivarum*    | HeadLength | 10         | 1      | ASIZ       |
| 22694132 | *Glareola maldivarum*    | TailLength | 12         | 1      | AoT; ASIZ  |
| 22694132 | *Glareola maldivarum*    | TarsusLength | 10     | 1      | ASIZ       |
| 22694132 | *Glareola maldivarum*    | WingLength | 12         | 1      | AoT; ASIZ  |
| 22694132 | *Glareola maldivarum*    | ClutchSize | NA         | 2      | AoT        |
| SISRecID | ScientificName           | TraitName  | SampleSize | Method  | DataSource |
|---------|--------------------------|------------|------------|---------|------------|
| 22694132| Glareola maldivea        | IncuPeriod | 7          | 3       | AoT        |
| 22694132| Glareola maldivea        | EggLength  | NA         | NA      | NA         |
| 22694132| Glareola maldivea        | EggWidth   | NA         | NA      | NA         |
| 22694794| Anous stolidus           | BodyLength | 3          | 1       | ASIZ       |
| 22694794| Anous stolidus           | BodyMass   | 1          | 1       | AoT        |
| 22694794| Anous stolidus           | HeadLength | 3          | 1       | ASIZ       |
| 22694794| Anous stolidus           | TailLength | 5          | 1       | AoT, ASIZ  |
| 22694794| Anous stolidus           | TarsusLength | 5      | 1       | AoT, ASIZ  |
| 22694794| Anous stolidus           | WingLength | 5          | 1       | AoT, ASIZ  |
| 22694794| Anous stolidus           | ClutchSize | NA         | 3       | AoT        |
| 22694794| Anous stolidus           | IncuPeriod | NA         | 2       | AoT        |
| 22694794| Anous stolidus           | EggLength  | NA         | NA      | NA         |
| 22694794| Anous stolidus           | EggWidth   | NA         | NA      | NA         |
| 22694740| Onychoprion fuscatus     | BodyLength | 3          | 1       | ASIZ       |
| 22694740| Onychoprion fuscatus     | BodyMass   | NA         | 2       | HBW        |
| 22694740| Onychoprion fuscatus     | HeadLength | 5          | 1       | ASIZ       |
| 22694740| Onychoprion fuscatus     | TailLength | 10         | 1       | AoT, ASIZ  |
| 22694740| Onychoprion fuscatus     | TarsusLength | 13     | 1       | AoT, ASIZ  |
| 22694740| Onychoprion fuscatus     | WingLength | 11         | 1       | AoT, ASIZ  |
| 22694740| Onychoprion fuscatus     | ClutchSize | NA         | 2       | HBW        |
| 22694740| Onychoprion fuscatus     | IncuPeriod | NA         | 2       | HBW        |
| 22694740| Onychoprion fuscatus     | EggLength  | NA         | NA      | NA         |
| 22694740| Onychoprion fuscatus     | EggWidth   | NA         | NA      | NA         |
| 22694730| Onychoprion anaethetus   | BodyLength | 10         | 1       | YIO        |
| 22694730| Onychoprion anaethetus   | BodyMass   | NA         | 2       | HBW        |
| 22694730| Onychoprion anaethetus   | HeadLength | 10         | 1       | YIO        |
| 22694730| Onychoprion anaethetus   | TailLength | 12         | 1       | AoT, YIO   |
| 22694730| Onychoprion anaethetus   | TarsusLength | 12     | 1       | AoT, YIO   |
| 22694730| Onychoprion anaethetus   | WingLength | 12         | 1       | AoT, YIO   |
| 22694730| Onychoprion anaethetus   | ClutchSize | NA         | 2       | AoT        |
| 22694730| Onychoprion anaethetus   | IncuPeriod | NA         | 2       | AoT        |
| 22694730| Onychoprion anaethetus   | EggLength  | NA         | NA      | NA         |
| 22694730| Onychoprion anaethetus   | EggWidth   | NA         | NA      | NA         |
| 22694656| Sternula albifrons       | BodyLength | 5          | 1       | ASIZ       |
| 22694656| Sternula albifrons       | BodyMass   | 3          | 1       | ASIZ       |
| 22694656| Sternula albifrons       | HeadLength | 7          | 1       | ASIZ       |
| SISRecID   | ScientificName   | TraitName   | SampleSize | Method | DataSource |
|-----------|------------------|-------------|------------|--------|------------|
| 22694656  | Sternula albifrons | TailLength  | 8          | 1      | ASIZ       |
| 22694656  | Sternula albifrons | TarsusLength | 14         | 1      | AoT; ASIZ  |
| 22694656  | Sternula albifrons | WingLength  | 11         | 1      | AoT; ASIZ  |
| 22694656  | Sternula albifrons | ClutchSize  | NA         | 2      | AoT        |
| 22694656  | Sternula albifrons | IncuPeriod  | NA         | 3      | AoT        |
| 22694656  | Sternula albifrons | EggLength   | NA         | NA     | NA         |
| 22694656  | Sternula albifrons | EggWidth    | NA         | NA     | NA         |
| 22694601  | Sterna dougallii  | BodyLength  | NA         | 2      | HBW        |
| 22694601  | Sterna dougallii  | BodyMass    | 13         | 1      | AoT        |
| 22694601  | Sterna dougallii  | HeadLength  | NA         | NA     | NA         |
| 22694601  | Sterna dougallii  | TailLength  | 1          | 1      | AoT        |
| 22694601  | Sterna dougallii  | TarsusLength| 14         | 1      | AoT        |
| 22694601  | Sterna dougallii  | WingLength  | 14         | 1      | AoT        |
| 22694601  | Sterna dougallii  | ClutchSize  | NA         | 2      | AoT        |
| 22694601  | Sterna dougallii  | IncuPeriod  | NA         | 2      | AoT        |
| 22694601  | Sterna dougallii  | EggLength   | NA         | NA     | NA         |
| 22694601  | Sterna dougallii  | EggWidth    | NA         | NA     | NA         |
| 22694612  | Sterna sumatrana  | BodyLength  | NA         | 2      | HBW        |
| 22694612  | Sterna sumatrana  | BodyMass    | 11         | 1      | AoT        |
| 22694612  | Sterna sumatrana  | HeadLength  | NA         | NA     | NA         |
| 22694612  | Sterna sumatrana  | TailLength  | NA         | NA     | NA         |
| 22694612  | Sterna sumatrana  | TarsusLength| 11         | 1      | AoT        |
| 22694612  | Sterna sumatrana  | WingLength  | 11         | 1      | AoT        |
| 22694612  | Sterna sumatrana  | ClutchSize  | NA         | 2      | AoT        |
| 22694612  | Sterna sumatrana  | IncuPeriod  | NA         | 3      | AoT        |
| 22694612  | Sterna sumatrana  | EggLength   | NA         | NA     | NA         |
| 22694612  | Sterna sumatrana  | EggWidth    | NA         | NA     | NA         |
| 22694571  | Thalasseus bergii | BodyLength  | NA         | 2      | HBW        |
| 22694571  | Thalasseus bergii | BodyMass    | NA         | 2      | HBW        |
| 22694571  | Thalasseus bergii | HeadLength  | 1          | 1      | ASIZ       |
| 22694571  | Thalasseus bergii | TailLength  | 1          | 1      | AoT        |
| 22694571  | Thalasseus bergii | TarsusLength| 2          | 1      | AoT; ASIZ  |
| 22694571  | Thalasseus bergii | WingLength  | 1          | 1      | AoT        |
| 22694571  | Thalasseus bergii | ClutchSize  | NA         | 2      | AoT        |
| 22694571  | Thalasseus bergii | IncuPeriod  | NA         | 2      | AoT        |
| 22694571  | Thalasseus bergii | EggLength   | NA         | NA     | NA         |
| SISRecID | ScientificName          | TraitName  | SampleSize | Method  | DataSource |
|---------|-------------------------|------------|------------|---------|------------|
| 22694571 | Thalasseus bergii       | EggWidth   | NA         | NA      | NA         |
| 22694585 | Thalasseus bernsteini    | BodyLength | NA         | 2       | HBW        |
| 22694585 | Thalasseus bernsteini    | BodyMass   | NA         | 2       | HBW        |
| 22694585 | Thalasseus bernsteini    | HeadLength | NA         | NA      | NA         |
| 22694585 | Thalasseus bernsteini    | TailLength | NA         | NA      | NA         |
| 22694585 | Thalasseus bernsteini    | TarsusLength | NA     | NA      | NA         |
| 22694585 | Thalasseus bernsteini    | WingLength | NA         | NA      | NA         |
| 22694585 | Thalasseus bernsteini    | ClutchSize | NA         | 3       | AoT        |
| 22694585 | Thalasseus bernsteini    | IncuPeriod | NA         | 2       | HBW        |
| 22694585 | Thalasseus bernsteini    | EggLength  | NA         | NA      | NA         |
| 22694585 | Thalasseus bernsteini    | EggWidth   | NA         | NA      | NA         |
| 22690168 | Columba pulchricollis   | BodyLength | 1          | 1       | ASIZ       |
| 22690168 | Columba pulchricollis   | BodyMass   | NA         | 3       | HBW        |
| 22690168 | Columba pulchricollis   | HeadLength | 1          | 1       | ASIZ       |
| 22690168 | Columba pulchricollis   | TailLength | 9          | 1       | AoT; ASIZ  |
| 22690168 | Columba pulchricollis   | TarsusLength | 9     | 1       | AoT; ASIZ  |
| 22690168 | Columba pulchricollis   | WingLength | 9          | 1       | AoT; ASIZ  |
| 22690168 | Columba pulchricollis   | ClutchSize | NA         | 2       | AoT        |
| 22690168 | Columba pulchricollis   | IncuPeriod | NA         | 2       | AoT        |
| 22690168 | Columba pulchricollis   | EggLength  | NA         | NA      | NA         |
| 22690168 | Columba pulchricollis   | EggWidth   | NA         | NA      | NA         |
| 22690439 | Streptopelia orientalis | BodyLength | 10         | 1       | ASIZ       |
| 22690439 | Streptopelia orientalis | BodyMass   | 6          | 1       | ASIZ       |
| 22690439 | Streptopelia orientalis | HeadLength | 11         | 1       | ASIZ       |
| 22690439 | Streptopelia orientalis | TailLength | 15         | 1       | AoT; ASIZ  |
| 22690439 | Streptopelia orientalis | TarsusLength | 16     | 1       | AoT; ASIZ  |
| 22690439 | Streptopelia orientalis | WingLength | 16         | 1       | AoT; ASIZ  |
| 22690439 | Streptopelia orientalis | ClutchSize | NA         | 3       | AoT; ASIZ  |
| 22690439 | Streptopelia orientalis | IncuPeriod | NA         | 2       | AoT; ASIZ  |
| 22690439 | Streptopelia orientalis | EggLength  | NA         | NA      | NA         |
| 22690439 | Streptopelia orientalis | EggWidth   | NA         | NA      | NA         |
| 22690493 | Streptopelia tranquebarica | BodyLength | 21         | 1       | ASIZ       |
| 22690493 | Streptopelia tranquebarica | BodyMass   | 20         | 1       | ASIZ; MAPS |
| 22690493 | Streptopelia tranquebarica | HeadLength | 26         | 1       | ASIZ; MAPS |
| 22690493 | Streptopelia tranquebarica | TailLength | 35         | 1       | AoT; ASIZ; MAPS |
| 22690493 | Streptopelia tranquebarica | TarsusLength | 36     | 1       | AoT; ASIZ; MAPS |
| SISRecID  | ScientificName      | TraitName     | SampleSize | Method* | DataSource# |
|----------|---------------------|---------------|------------|---------|-------------|
| 22690493 | Streptopelia tranquebarica | WingLength    | 36         | 1       | AoT; ASIZ; MAPS |
| 22690493 | Streptopelia tranquebarica | ClutchSize    | NA         | 3       | AoT         |
| 22690493 | Streptopelia tranquebarica | IncuPeriod    | NA         | NA      | NA          |
| 22690493 | Streptopelia tranquebarica | EggLength     | NA         | 3       | AoT         |
| 22690493 | Streptopelia tranquebarica | EggWidth      | NA         | 3       | AoT         |
| 60482887 | Spilopelia chinensis  | BodyLength    | 17         | 1       | ASIZ        |
| 60482887 | Spilopelia chinensis  | BodyMass      | 19         | 1       | ASIZ; MAPS  |
| 60482887 | Spilopelia chinensis  | HeadLength    | 25         | 1       | ASIZ; MAPS  |
| 60482887 | Spilopelia chinensis  | TailLength    | 27         | 1       | AoT; ASIZ; MAPS |
| 60482887 | Spilopelia chinensis  | TarsusLength  | 27         | 1       | AoT; ASIZ; MAPS |
| 60482887 | Spilopelia chinensis  | WingLength    | 29         | 1       | AoT; ASIZ; MAPS |
| 60482887 | Spilopelia chinensis  | ClutchSize    | NA         | 3       | AoT         |
| 60482887 | Spilopelia chinensis  | IncuPeriod    | NA         | 2       | HBW         |
| 60482887 | Spilopelia chinensis  | EggLength     | NA         | 3       | AoT         |
| 22690553 | Macropygia tenuirostris | BodyLength    | 1          | 1       | ASIZ        |
| 22690553 | Macropygia tenuirostris | BodyMass      | NA         | 2       | HBW         |
| 22690553 | Macropygia tenuirostris | HeadLength    | 1          | 1       | ASIZ        |
| 22690553 | Macropygia tenuirostris | TailLength    | 2          | 1       | AoT; ASIZ   |
| 22690553 | Macropygia tenuirostris | TarsusLength  | 2          | 1       | AoT; ASIZ   |
| 22690553 | Macropygia tenuirostris | WingLength    | 2          | 1       | AoT; ASIZ   |
| 22690553 | Macropygia tenuirostris | ClutchSize    | NA         | 3       | HBW         |
| 22690553 | Macropygia tenuirostris | IncuPeriod    | NA         | NA      | NA          |
| 22690553 | Macropygia tenuirostris | EggLength     | NA         | 3       | AoT         |
| 22690553 | Macropygia tenuirostris | EggWidth      | NA         | 3       | AoT         |
| 22725538 | Chalcophaps indica    | BodyLength    | 22         | 1       | ASIZ        |
| 22725538 | Chalcophaps indica    | BodyMass      | 79         | 1       | ASIZ; MAPS  |
| 22725538 | Chalcophaps indica    | HeadLength    | 91         | 1       | ASIZ; MAPS  |
| 22725538 | Chalcophaps indica    | TailLength    | 99         | 1       | AoT; ASIZ; MAPS |
| 22725538 | Chalcophaps indica    | TarsusLength  | 103        | 1       | AoT; ASIZ; MAPS |
| 22725538 | Chalcophaps indica    | WingLength    | 104        | 1       | AoT; ASIZ; MAPS |
| 22725538 | Chalcophaps indica    | ClutchSize    | NA         | 3       | AoT         |
| 22725538 | Chalcophaps indica    | IncuPeriod    | NA         | 2       | AoT         |
| 22725538 | Chalcophaps indica    | EggLength     | NA         | NA      | NA          |
| 22725538 | Chalcophaps indica    | EggWidth      | NA         | NA      | NA          |
| 22691283 | Treron sieboldii      | BodyLength    | 12         | 1       | ASIZ        |
| SISRecID   | ScientificName   | TraitName  | SampleSize | Method* | DataSource# |
|-----------|------------------|------------|------------|---------|-------------|
| 22691283  | Treron sieboldii | BodyMass   | 6          | 1       | ASIZ        |
| 22691283  | Treron sieboldii | HeadLength | 10         | 1       | ASIZ        |
| 22691283  | Treron sieboldii | TailLength | 21         | 1       | AoT; ASIZ   |
| 22691283  | Treron sieboldii | TarsusLength | 22   | 1 | AoT; ASIZ   |
| 22691283  | Treron sieboldii | WingLength | 22         | 1       | AoT; ASIZ   |
| 22691283  | Treron sieboldii | ClutchSize | NA         | 3       | AoT         |
| 22691283  | Treron sieboldii | IncuPeriod | NA         | 3       | AoT         |
| 22691283  | Treron sieboldii | EggLength  | NA         | 3       | AoT         |
| 22691283  | Treron sieboldii | EggWidth   | NA         | 3       | AoT         |
| 22727539  | Treron formosae  | BodyLength | 1          | 1       | ASIZ        |
| 22727539  | Treron formosae  | BodyMass   | 1          | 1       | ASIZ        |
| 22727539  | Treron formosae  | HeadLength | 1          | 1       | ASIZ        |
| 22727539  | Treron formosae  | TailLength | 5          | 1       | AoT; ASIZ   |
| 22727539  | Treron formosae  | TarsusLength | 5   | 1 | AoT; ASIZ   |
| 22727539  | Treron formosae  | WingLength | 5          | 1       | AoT; ASIZ   |
| 22727539  | Treron formosae  | ClutchSize | NA         | 3       | AoT         |
| 22727539  | Treron formosae  | IncuPeriod | NA         | NA      | NA          |
| 22727539  | Treron formosae  | EggLength  | NA         | NA      | NA          |
| 22727539  | Treron formosae  | EggWidth   | NA         | NA      | NA          |
| 22691346  | Ramphiculus leclancheri | BodyLength | NA      | 2       | HBW         |
| 22691346  | Ramphiculus leclancheri | BodyMass   | NA      | 2       | HBW         |
| 22691346  | Ramphiculus leclancheri | HeadLength | NA      | NA      | NA          |
| 22691346  | Ramphiculus leclancheri | TailLength | NA      | NA      | NA          |
| 22691346  | Ramphiculus leclancheri | TarsusLength | NA   | NA      | NA          |
| 22691346  | Ramphiculus leclancheri | WingLength | NA      | NA      | NA          |
| 22691346  | Ramphiculus leclancheri | ClutchSize | NA      | 3       | AoT         |
| 22691346  | Ramphiculus leclancheri | IncuPeriod | NA      | NA      | NA          |
| 22691346  | Ramphiculus leclancheri | EggLength  | NA      | NA      | NA          |
| 22691346  | Ramphiculus leclancheri | EggWidth   | NA      | NA      | NA          |
| 22684254  | Centropus bengalensis | BodyLength | 11      | 1       | ASIZ        |
| 22684254  | Centropus bengalensis | BodyMass   | 11      | 1       | ASIZ; MAPS  |
| 22684254  | Centropus bengalensis | HeadLength | 12      | 1       | ASIZ; MAPS  |
| 22684254  | Centropus bengalensis | TailLength | 28      | 1       | AoT; ASIZ; MAPS |
| 22684254  | Centropus bengalensis | TarsusLength | 29   | 1 | AoT; ASIZ; MAPS |
| 22684254  | Centropus bengalensis | WingLength | 29      | 1       | AoT; ASIZ; MAPS |
| 22684254  | Centropus bengalensis | ClutchSize | NA      | 2       | AoT         |
| SISRecID   | ScientificName         | TraitName   | SampleSize | Method* | DataSource# |
|-----------|------------------------|-------------|------------|---------|-------------|
| 22684254  | Centropus bengalensis  | IncuPeriod  | NA         | NA      | NA          |
| 22684254  | Centropus bengalensis  | EggLength   | NA         | 3       | AoT         |
| 22728111  | Hierococcyx sparverioides | BodyLength | 2          | 1       | ASIZ        |
| 22728111  | Hierococcyx sparverioides | BodyMass   | NA         | 2       | HBW         |
| 22728111  | Hierococcyx sparverioides | HeadLength | 4          | 1       | ASIZ        |
| 22728111  | Hierococcyx sparverioides | TailLength | 5          | 1       | AoT; ASIZ   |
| 22728111  | Hierococcyx sparverioides | TarsusLength | 6        | 1       | AoT; ASIZ   |
| 22728111  | Hierococcyx sparverioides | WingLength | 7          | 1       | AoT; ASIZ   |
| 22728111  | Hierococcyx sparverioides | ClutchSize | NA         | NA      | NA          |
| 61450351  | Cuculus saturatus      | BodyLength  | 3          | 1       | ASIZ        |
| 61450351  | Cuculus saturatus      | BodyMass    | 2          | 1       | ASIZ        |
| 61450351  | Cuculus saturatus      | HeadLength  | 4          | 1       | ASIZ        |
| 61450351  | Cuculus saturatus      | TailLength  | 5          | 1       | AoT; ASIZ   |
| 61450351  | Cuculus saturatus      | TarsusLength| 6          | 1       | AoT; ASIZ   |
| 61450351  | Cuculus saturatus      | WingLength  | 6          | 1       | AoT; ASIZ   |
| 61450351  | Cuculus saturatus      | ClutchSize  | NA         | 3       | AoT         |
| 61450351  | Cuculus saturatus      | IncuPeriod  | NA         | NA      | NA          |
| 22688522  | Tyto longimembris      | BodyLength  | NA         | 2       | HBW         |
| 22688522  | Tyto longimembris      | BodyMass    | 1          | 1       | ASIZ        |
| 22688522  | Tyto longimembris      | HeadLength  | 1          | 1       | ASIZ        |
| 22688522  | Tyto longimembris      | TailLength  | 5          | 1       | AoT; ASIZ   |
| 22688522  | Tyto longimembris      | TarsusLength| 5          | 1       | AoT; ASIZ   |
| 22688522  | Tyto longimembris      | WingLength  | 4          | 1       | AoT         |
| 22688522  | Tyto longimembris      | ClutchSize  | 3          | 2       | AoT         |
| 22688522  | Tyto longimembris      | IncuPeriod  | NA         | 3       | HBW         |
| 22688522  | Tyto longimembris      | EggLength   | NA         | 3       | AoT         |
| 22688522  | Tyto longimembris      | EggWidth    | NA         | 3       | AoT         |
| 22688579  | Otus spilocephalus     | BodyLength  | 16         | 1       | ASIZ        |
| 22688579  | Otus spilocephalus     | BodyMass    | 18         | 1       | ASIZ; MAPS  |
| 22688579  | Otus spilocephalus     | HeadLength  | 27         | 1       | ASIZ; MAPS  |
| SISRecID | ScientificName | TraitName   | SampleSize | Method | DataSource |
|----------|----------------|-------------|------------|--------|------------|
| 22688579 | *Otus spilocephalus* | TailLength  | 43         | 1      | AoT, ASIZ; MAPS |
| 22688579 | *Otus spilocephalus* | TarsusLength| 43         | 1      | AoT, ASIZ; MAPS |
| 22688579 | *Otus spilocephalus* | WingLength  | 44         | 1      | AoT, ASIZ; MAPS |
| 22688579 | *Otus spilocephalus* | ClutchSize  | NA         | 2      | AoT        |
| 22688579 | *Otus spilocephalus* | IncuPeriod  | NA         | 2      | AoT        |
| 22688579 | *Otus spilocephalus* | EggLength   | NA         | 3      | HBW        |
| 22688579 | *Otus spilocephalus* | EggWidth    | NA         | 3      | HBW        |
| 61855318 | *Otus lettia*      | BodyLength  | 49         | 1      | ASIZ       |
| 61855318 | *Otus lettia*      | BodyMass    | 31         | 1      | ASIZ, MAPS |
| 61855318 | *Otus lettia*      | HeadLength  | 62         | 1      | ASIZ, MAPS |
| 61855318 | *Otus lettia*      | TailLength  | 77         | 1      | AoT, ASIZ; MAPS |
| 61855318 | *Otus lettia*      | TarsusLength| 75         | 1      | AoT, ASIZ; MAPS |
| 61855318 | *Otus lettia*      | WingLength  | 76         | 1      | AoT, ASIZ; MAPS |
| 61855318 | *Otus lettia*      | ClutchSize  | NA         | 2      | AoT        |
| 61855318 | *Otus lettia*      | IncuPeriod  | NA         | 3      | AoT        |
| 61855318 | *Otus lettia*      | EggLength   | 2          | 3      | AoT        |
| 61855318 | *Otus lettia*      | EggWidth    | 2          | 3      | AoT        |
| 22688651 | *Otus elegans*     | BodyLength  | 5          | 1      | ASIZ       |
| 22688651 | *Otus elegans*     | BodyMass    | 11         | 1      | AoT, ASIZ   |
| 22688651 | *Otus elegans*     | HeadLength  | 6          | 1      | ASIZ       |
| 22688651 | *Otus elegans*     | TailLength  | 16         | 1      | AoT, ASIZ   |
| 22688651 | *Otus elegans*     | TarsusLength| 16         | 1      | AoT, ASIZ   |
| 22688651 | *Otus elegans*     | WingLength  | 16         | 1      | AoT, ASIZ   |
| 22688651 | *Otus elegans*     | ClutchSize  | NA         | 2      | AoT        |
| 22688651 | *Otus elegans*     | IncuPeriod  | NA         | 3      | AoT        |
| 22688651 | *Otus elegans*     | EggLength   | NA         | 3      | HBW        |
| 22689017 | *Ketupa flavipes*  | BodyLength  | NA         | 2      | HBW        |
| 22689017 | *Ketupa flavipes*  | BodyMass    | NA         | 3      | Elton      |
| 22689017 | *Ketupa flavipes*  | HeadLength  | NA         | NA     | NA         |
| 22689017 | *Ketupa flavipes*  | TailLength  | 5          | 1      | AoT        |
| 22689017 | *Ketupa flavipes*  | TarsusLength| 5          | 1      | AoT        |
| 22689017 | *Ketupa flavipes*  | WingLength  | 5          | 1      | AoT        |
| 22689017 | *Ketupa flavipes*  | ClutchSize  | NA         | 2      | AoT        |
| 22689017 | *Ketupa flavipes*  | IncuPeriod  | NA         | NA     | NA         |
| 22689017 | *Ketupa flavipes*  | EggLength   | NA         | 2      | HBW        |
| SISRecID   | ScientificName     | TraitName       | SampleSize | Method       | DataSource |
|-----------|-------------------|-----------------|------------|--------------|------------|
| 22689017  | Ketupa flavipes   | EggWidth        | NA         | 2            | HBW        |
| 22689200  | Glaucidium brodiei| BodyLength      | 3          | 1            | ASIZ       |
| 22689200  | Glaucidium brodiei| BodyMass        | 1          | 1            | ASIZ       |
| 22689200  | Glaucidium brodiei| HeadLength      | 3          | 1            | ASIZ       |
| 22689200  | Glaucidium brodiei| TailLength      | 15         | 1            | AoT; ASIZ  |
| 22689200  | Glaucidium brodiei| TarsusLength    | 15         | 1            | AoT; ASIZ  |
| 22689200  | Glaucidium brodiei| WingLength      | 15         | 1            | AoT; ASIZ  |
| 22689200  | Glaucidium brodiei| ClutchSize      | NA         | 2            | AoT        |
| 22689200  | Glaucidium brodiei| IncuPeriod      | NA         | 3            | HBW        |
| 22689200  | Glaucidium brodiei| EggLength       | NA         | 3            | HBW        |
| 22689200  | Glaucidium brodiei| EggWidth        | NA         | 3            | HBW        |
| 22689071  | Strix leptogrammica| BodyLength     | 1          | 1            | ASIZ       |
| 22689071  | Strix leptogrammica| BodyMass       | 1          | 1            | ASIZ       |
| 22689071  | Strix leptogrammica| HeadLength     | 1          | 1            | ASIZ       |
| 22689071  | Strix leptogrammica| TailLength     | 5          | 1            | AoT; ASIZ  |
| 22689071  | Strix leptogrammica| TarsusLength   | 5          | 1            | AoT; ASIZ  |
| 22689071  | Strix leptogrammica| WingLength     | 5          | 1            | AoT; ASIZ  |
| 22689071  | Strix leptogrammica| ClutchSize     | NA         | 2            | HBW        |
| 22689071  | Strix leptogrammica| IncuPeriod     | NA         | 3            | HBW        |
| 22689071  | Strix leptogrammica| EggLength      | NA         | 3            | HBW        |
| 22689071  | Strix leptogrammica| EggWidth       | NA         | 3            | HBW        |
| 22725477  | Strix nivicolum   | BodyLength     | NA         | 2            | HBW        |
| 22725477  | Strix nivicolum   | BodyMass       | NA         | 2            | HBW        |
| 22725477  | Strix nivicolum   | HeadLength     | 1          | 1            | ASIZ       |
| 22725477  | Strix nivicolum   | TailLength     | 6          | 1            | AoT; ASIZ  |
| 22725477  | Strix nivicolum   | TarsusLength   | 6          | 1            | AoT; ASIZ  |
| 22725477  | Strix nivicolum   | WingLength     | 6          | 1            | AoT; ASIZ  |
| 22725477  | Strix nivicolum   | ClutchSize     | NA         | 2            | AoT        |
| 22725477  | Strix nivicolum   | IncuPeriod     | NA         | NA           | NA         |
| 22725477  | Strix nivicolum   | EggLength      | NA         | NA           | NA         |
| 22725477  | Strix nivicolum   | EggWidth       | NA         | NA           | NA         |
| 22725653  | Ninox japonica    | BodyLength     | 13         | 1            | ASIZ       |
| 22725653  | Ninox japonica    | BodyMass       | 10         | 1            | ASIZ       |
| 22725653  | Ninox japonica    | HeadLength     | 17         | 1            | ASIZ       |
| 22725653  | Ninox japonica    | TailLength     | 27         | 1            | AoT; ASIZ  |
| 22725653  | Ninox japonica    | TarsusLength   | 26         | 1            | AoT; ASIZ  |
| SISRecID  | ScientificName         | TraitName   | SampleSize | Method* | DataSource# |
|----------|------------------------|-------------|------------|---------|-------------|
| 22725653 | Ninox japonica         | WingLength  | 27         | 1       | AoT; ASIZ   |
| 22725653 | Ninox japonica         | ClutchSize  | NA         | 2       | AoT         |
| 22725653 | Ninox japonica         | IncuPeriod  | NA         | 3       | HBW         |
| 22725653 | Ninox japonica         | EggLength   | NA         | 3       | AoT         |
| 22725653 | Ninox japonica         | EggWidth    | NA         | 3       | AoT         |
| 22689985 | Caprimulgus affinis    | BodyLength  | 10         | 1       | ASIZ        |
| 22689985 | Caprimulgus affinis    | BodyMass    | 3          | 1       | ASIZ        |
| 22689985 | Caprimulgus affinis    | HeadLength  | 13         | 1       | ASIZ        |
| 22689985 | Caprimulgus affinis    | TailLength  | 20         | 1       | AoT; ASIZ   |
| 22689985 | Caprimulgus affinis    | ClutchSize  | NA         | 3       | AoT         |
| 22689985 | Caprimulgus affinis    | IncuPeriod  | NA         | NA      | NA          |
| 22689985 | Caprimulgus affinis    | EggLength   | NA         | 3       | AoT         |
| 22689985 | Caprimulgus affinis    | EggWidth    | NA         | 3       | AoT         |
| 22686684 | Hirundapus cochinchenis| BodyLength  | 1          | 1       | ASIZ        |
| 22686684 | Hirundapus cochinchenis| BodyMass    | 1          | 1       | ASIZ        |
| 22686684 | Hirundapus cochinchenis| HeadLength  | 1          | 1       | ASIZ        |
| 22686684 | Hirundapus cochinchenis| TailLength  | 3          | 1       | AoT; ASIZ   |
| 22686684 | Hirundapus cochinchenis| TarsusLength| 3          | 1       | AoT; ASIZ   |
| 22686684 | Hirundapus cochinchenis| WingLength  | 3          | 1       | AoT; ASIZ   |
| 22686684 | Hirundapus cochinchenis| ClutchSize  | NA         | NA      | NA          |
| 22686684 | Hirundapus cochinchenis| IncuPeriod  | NA         | NA      | NA          |
| 22686684 | Hirundapus cochinchenis| EggLength   | NA         | NA      | NA          |
| 22686684 | Hirundapus cochinchenis| EggWidth    | NA         | NA      | NA          |
| 22686861 | Apus nipalensis        | BodyLength  | 17         | 1       | ASIZ        |
| 22686861 | Apus nipalensis        | BodyMass    | 13         | 1       | AoT; ASIZ   |
| 22686861 | Apus nipalensis        | HeadLength  | 21         | 1       | ASIZ        |
| 22686861 | Apus nipalensis        | TailLength  | 30         | 1       | AoT; ASIZ   |
| 22686861 | Apus nipalensis        | TarsusLength| 29         | 1       | AoT; ASIZ   |
| 22686861 | Apus nipalensis        | WingLength  | 29         | 1       | AoT; ASIZ   |
| 22686861 | Apus nipalensis        | ClutchSize  | NA         | 2       | AoT         |
| 22686861 | Apus nipalensis        | IncuPeriod  | NA         | 2       | AoT         |
| 22686861 | Apus nipalensis        | EggLength   | NA         | 3       | AoT         |
| 22686861 | Apus nipalensis        | EggWidth    | NA         | 3       | AoT         |
| 22683027 | Alcedo atthis          | BodyLength  | 10         | 1       | ASIZ        |
| SISRecID | ScientificName     | TraitName  | SampleSize | Method   | DataSource |
|----------|-------------------|------------|------------|----------|------------|
| 22683027 | Alcedo atthis     | BodyMass   | 13         | 1        | ASIZ; MAPS |
| 22683027 | Alcedo atthis     | HeadLength | 19         | 1        | ASIZ; MAPS |
| 22683027 | Alcedo atthis     | TailLength | 38         | 1        | AoT; ASIZ; MAPS |
| 22683027 | Alcedo atthis     | TarsusLength | 41       | 1        | AoT; ASIZ; MAPS |
| 22683027 | Alcedo atthis     | WingLength | 41         | 1        | AoT; ASIZ; MAPS |
| 22683027 | Alcedo atthis     | ClutchSize | NA         | 2        | AoT        |
| 22683027 | Alcedo atthis     | IncuPeriod | NA         | 2        | AoT        |
| 22683027 | Alcedo atthis     | EggLength  | NA         | 3        | AoT        |
| 22734433 | Psilopogon nuchalis | BodyLength | 50         | 1        | ASIZ       |
| 22734433 | Psilopogon nuchalis | BodyMass   | 49         | 1        | AoT; ASIZ; MAPS |
| 22734433 | Psilopogon nuchalis | HeadLength | 75         | 1        | ASIZ; MAPS |
| 22734433 | Psilopogon nuchalis | TailLength | 79         | 1        | AoT; ASIZ; MAPS |
| 22734433 | Psilopogon nuchalis | TarsusLength | 79      | 1        | AoT; ASIZ; MAPS |
| 22734433 | Psilopogon nuchalis | WingLength | 80         | 1        | AoT; ASIZ; MAPS |
| 22734433 | Psilopogon nuchalis | ClutchSize | NA         | 2        | AoT        |
| 22734433 | Psilopogon nuchalis | IncuPeriod | NA         | 2        | AoT        |
| 22734433 | Psilopogon nuchalis | EggLength  | NA         | 2        | HBW        |
| 22681068 | Picoides canicapillus | BodyLength | NA         | 2        | HBW        |
| 22681068 | Picoides canicapillus | BodyMass   | 3          | 1        | MAPS       |
| 22681068 | Picoides canicapillus | HeadLength | 3          | 1        | MAPS       |
| 22681068 | Picoides canicapillus | TailLength | 6          | 1        | AoT; MAPS |
| 22681068 | Picoides canicapillus | TarsusLength | 6      | 1        | AoT; MAPS |
| 22681068 | Picoides canicapillus | WingLength | 6          | 1        | AoT; MAPS |
| 22681068 | Picoides canicapillus | ClutchSize | NA         | 2        | HBW        |
| 22681068 | Picoides canicapillus | IncuPeriod | NA         | 2        | HBW        |
| 22681068 | Picoides canicapillus | EggLength  | NA         | NA       | NA         |
| 22681068 | Picoides canicapillus | EggWidth   | NA         | NA       | NA         |
| 22727124 | Dendrocopos leucotos | BodyLength | 8          | 1        | YIO        |
| 22727124 | Dendrocopos leucotos | BodyMass   | NA         | 2        | HBW        |
| 22727124 | Dendrocopos leucotos | HeadLength | 8          | 1        | YIO        |
| 22727124 | Dendrocopos leucotos | TailLength | 8          | 1        | YIO        |
| 22727124 | Dendrocopos leucotos | TarsusLength | 8      | 1        | YIO        |
| 22727124 | Dendrocopos leucotos | WingLength | 8          | 1        | YIO        |
| 22727124 | Dendrocopos leucotos | ClutchSize | NA         | 2        | AoT        |
| SISRecID | ScientificName   | TraitName     | SampleSize | Method*   | DataSource# |
|----------|------------------|---------------|------------|-----------|-------------|
| 22727124 | Dendrocopos leucotos | IncuPeriod    | NA         | 2         | AoT         |
| 22727124 | Dendrocopos leucotos | EggLength     | NA         | NA        | NA          |
| 22727124 | Dendrocopos leucotos | EggWidth      | NA         | NA        | NA          |
| 22726503 | Picus canus       | BodyLength    | 8          | 1         | YIO         |
| 22726503 | Picus canus       | BodyMass      | 2          | 1         | AoT; MAPS   |
| 22726503 | Picus canus       | HeadLength    | 9          | 1         | MAPS; YIO   |
| 22726503 | Picus canus       | TailLength    | 11         | 1         | AoT; YIO    |
| 22726503 | Picus canus       | TarsusLength  | 12         | 1         | AoT; MAPS; YIO |
| 22726503 | Picus canus       | WingLength    | 12         | 1         | AoT; MAPS; YIO |
| 22726503 | Picus canus       | ClutchSize    | NA         | 3         | AoT         |
| 22726503 | Picus canus       | IncuPeriod    | NA         | 2         | AoT         |
| 22726503 | Picus canus       | EggLength     | NA         | 3         | AoT         |
| 45354964 | Falco peregrinus  | BodyLength    | 2          | 1         | ASIZ        |
| 45354964 | Falco peregrinus  | BodyMass      | NA         | 2         | HBW         |
| 45354964 | Falco peregrinus  | HeadLength    | 2          | 1         | ASIZ        |
| 45354964 | Falco peregrinus  | TailLength    | 10         | 1         | AoT; ASIZ; TM |
| 45354964 | Falco peregrinus  | TarsusLength  | 7          | 1         | AoT; ASIZ    |
| 45354964 | Falco peregrinus  | WingLength    | 10         | 1         | AoT; ASIZ; TM |
| 45354964 | Falco peregrinus  | ClutchSize    | NA         | 2         | AoT         |
| 45354964 | Falco peregrinus  | EggWidth      | NA         | NA        | NA          |
| 226998684 | Pitta nympha     | BodyLength    | 1          | 1         | ASIZ        |
| 226998684 | Pitta nympha     | BodyMass      | 14         | 1         | AoT; MAPS   |
| 226998684 | Pitta nympha     | HeadLength    | 14         | 1         | ASIZ; MAPS  |
| 226998684 | Pitta nympha     | TailLength    | 27         | 1         | AoT; ASIZ; MAPS |
| 226998684 | Pitta nympha     | TarsusLength  | 26         | 1         | AoT; ASIZ; MAPS |
| 226998684 | Pitta nympha     | WingLength    | 27         | 1         | AoT; ASIZ; MAPS |
| 226998684 | Pitta nympha     | ClutchSize    | NA         | 3         | AoT         |
| 226998684 | Pitta nympha     | IncuPeriod    | NA         | 3         | AoT         |
| 226998684 | Pitta nympha     | EggLength     | NA         | NA        | NA          |
| 226998684 | Pitta nympha     | EggWidth      | NA         | NA        | NA          |
| 103694119 | Pericrocotus solaris | BodyLength   | 1          | 1         | ASIZ        |
| 103694119 | Pericrocotus solaris | BodyMass     | 5          | 1         | ASIZ; MAPS  |
| 103694119 | Pericrocotus solaris | HeadLength  | 4          | 1         | MAPS        |
| SISRecID  | ScientificName       | TraitName     | SampleSize | Method  | DataSource |
|----------|----------------------|---------------|------------|---------|------------|
| 103694119 | Pericrocotus solaris | TailLength    | 13         | 1       | AoT; ASIZ; MAPS |
| 103694119 | Pericrocotus solaris | TarsusLength  | 13         | 1       | AoT; ASIZ; MAPS |
| 103694119 | Pericrocotus solaris | WingLength    | 13         | 1       | AoT; ASIZ; MAPS |
| 103694119 | Pericrocotus solaris | ClutchSize    | NA         | 3       | HBW        |
| 103694119 | Pericrocotus solaris | IncuPeriod    | NA         | NA      | NA         |
| 103694119 | Pericrocotus solaris | EggLength     | NA         | 3       | HBW        |
| 103694119 | Pericrocotus solaris | EggWidth      | NA         | 3       | HBW        |
| 22706473  | Coracina macei       | BodyLength    | NA         | 2       | HBW        |
| 22706473  | Coracina macei       | BodyMass      | NA         | 3       | Elton      |
| 22706473  | Coracina macei       | HeadLength    | NA         | NA      | NA         |
| 22706473  | Coracina macei       | TailLength    | 2          | 1       | AoT        |
| 22706473  | Coracina macei       | TarsusLength  | 2          | 1       | AoT        |
| 22706473  | Coracina macei       | WingLength    | 2          | 1       | AoT        |
| 22706473  | Coracina macei       | ClutchSize    | NA         | 2       | HBW        |
| 22706473  | Coracina macei       | IncuPeriod    | NA         | NA      | NA         |
| 22706473  | Coracina macei       | EggLength     | NA         | NA      | NA         |
| 22706473  | Coracina macei       | EggWidth      | NA         | NA      | NA         |
| 22705029  | Lanius schach        | BodyLength    | 4          | 1       | ASIZ       |
| 22705029  | Lanius schach        | BodyMass      | 4          | 1       | ASIZ       |
| 22705029  | Lanius schach        | HeadLength    | 5          | 1       | ASIZ       |
| 22705029  | Lanius schach        | TailLength    | 7          | 1       | AoT; ASIZ  |
| 22705029  | Lanius schach        | TarsusLength  | 9          | 1       | AoT; ASIZ  |
| 22705029  | Lanius schach        | WingLength    | 8          | 1       | AoT; ASIZ  |
| 22705029  | Lanius schach        | ClutchSize    | NA         | 2       | AoT        |
| 22705029  | Lanius schach        | IncuPeriod    | NA         | 2       | AoT        |
| 22705029  | Lanius schach        | EggLength     | NA         | NA      | NA         |
| 22705029  | Lanius schach        | EggWidth      | NA         | NA      | NA         |
| 22716753  | Erpornis zantholeuca | BodyLength    | 4          | 1       | ASIZ       |
| 22716753  | Erpornis zantholeuca | BodyMass      | 76         | 1       | AoT; ASIZ; MAPS |
| 22716753  | Erpornis zantholeuca | HeadLength    | 58         | 1       | ASIZ; MAPS |
| 22716753  | Erpornis zantholeuca | TailLength    | 72         | 1       | AoT; ASIZ; MAPS |
| 22716753  | Erpornis zantholeuca | TarsusLength  | 76         | 1       | AoT; ASIZ; MAPS |
| 22716753  | Erpornis zantholeuca | WingLength    | 78         | 1       | AoT; ASIZ; MAPS |
| 22716753  | Erpornis zantholeuca | ClutchSize    | NA         | 2       | HBW        |
| 22716753  | Erpornis zantholeuca | IncuPeriod    | NA         | NA      | NA         |
| 22716753  | Erpornis zantholeuca | EggLength     | NA         | NA      | NA         |
| SISRecID | ScientificName       | TraitName | SampleSize | Method | DataSource |
|----------|----------------------|-----------|------------|--------|------------|
| 22716753 | Erpornis zantholeuca | EggWidth  | NA         | NA     | NA         |
| 22706394 | Oriolus chinensis    | BodyLength| NA         | 2      | HBW        |
| 22706394 | Oriolus chinensis    | BodyMass  | NA         | 2      | HBW        |
| 22706394 | Oriolus chinensis    | HeadLength| NA         | NA     | NA         |
| 22706394 | Oriolus chinensis    | TailLength| 3          | 1      | AoT        |
| 22706394 | Oriolus chinensis    | TarsusLength| 4      | 1      | AoT        |
| 22706394 | Oriolus chinensis    | WingLength| 4          | 1      | AoT        |
| 22706394 | Oriolus chinensis    | ClutchSize| NA         | 2      | AoT        |
| 22706394 | Oriolus chinensis    | IncuPeriod| NA         | 2      | AoT        |
| 22706394 | Oriolus chinensis    | EggLength | NA         | 2      | HBW        |
| 22706394 | Oriolus chinensis    | EggWidth  | NA         | 2      | HBW        |
| 22706446 | Oriolus trailii      | BodyLength| 8          | 1      | YIO        |
| 22706446 | Oriolus trailii      | BodyMass  | 2          | 1      | MAPS       |
| 22706446 | Oriolus trailii      | HeadLength| 10         | 1      | MAPS; YIO  |
| 22706446 | Oriolus trailii      | TailLength| 11         | 1      | AoT; MAPS; YIO |
| 22706446 | Oriolus trailii      | TarsusLength| 11    | 1      | AoT; MAPS; YIO |
| 22706446 | Oriolus trailii      | WingLength| 11         | 1      | AoT; MAPS; YIO |
| 22706446 | Oriolus trailii      | ClutchSize| NA         | 2      | HBW        |
| 22706446 | Oriolus trailii      | IncuPeriod| NA         | NA     | NA         |
| 22706446 | Oriolus trailii      | EggLength | NA         | 2      | HBW        |
| 22706446 | Oriolus trailii      | EggWidth  | NA         | 2      | HBW        |
| 22706961 | Dicrurus macrocercus | BodyLength| 13         | 1      | ASIZ       |
| 22706961 | Dicrurus macrocercus | BodyMass  | 10         | 1      | ASIZ       |
| 22706961 | Dicrurus macrocercus | HeadLength| 17         | 1      | ASIZ       |
| 22706961 | Dicrurus macrocercus | TailLength| 25         | 1      | AoT; ASIZ  |
| 22706961 | Dicrurus macrocercus | TarsusLength| 27    | 1      | AoT; ASIZ  |
| 22706961 | Dicrurus macrocercus | WingLength| 26         | 1      | AoT; ASIZ  |
| 22706961 | Dicrurus macrocercus | ClutchSize| NA         | 3      | AoT        |
| 22706961 | Dicrurus macrocercus | IncuPeriod| NA         | 2      | HBW        |
| 22706961 | Dicrurus macrocercus | EggLength | NA         | 3      | AoT        |
| 22706973 | Dicrurus aeneus      | BodyLength| 2          | 1      | ASIZ       |
| 22706973 | Dicrurus aeneus      | BodyMass  | 30         | 1      | MAPS       |
| 22706973 | Dicrurus aeneus      | HeadLength| 27         | 1      | ASIZ; MAPS |
| 22706973 | Dicrurus aeneus      | TailLength| 35         | 1      | AoT; ASIZ; MAPS |
| 22706973 | Dicrurus aeneus      | TarsusLength| 37    | 1      | AoT; ASIZ; MAPS |
| SISRecID  | ScientificName         | TraitName     | SampleSize | Method | DataSource            |
|-----------|------------------------|---------------|------------|--------|-----------------------|
| 22706973  | Dicrurus aeneus        | WingLength    | 37         | 1      | AoT, ASIZ, MAPS       |
| 22706973  | Dicrurus aeneus        | ClutchSize    | NA         | 2      | AoT                   |
| 22706973  | Dicrurus aeneus        | IncuPeriod    | NA         | 3      | HBW                   |
| 22706973  | Dicrurus aeneus        | EggLength     | 4          | 3      | AoT                   |
| 103715755 | Hypothymis azurea      | BodyLength    | 1          | 1      | ASIZ                  |
| 103715755 | Hypothymis azurea      | BodyMass      | 238        | 1      | MAPS                  |
| 103715755 | Hypothymis azurea      | HeadLength    | 225        | 1      | MAPS                  |
| 103715755 | Hypothymis azurea      | TailLength    | 234        | 1      | AoT, ASIZ, MAPS       |
| 103715755 | Hypothymis azurea      | TarsusLength  | 238        | 1      | AoT, ASIZ, MAPS       |
| 103715755 | Hypothymis azurea      | WingLength    | 248        | 1      | AoT, ASIZ, MAPS       |
| 103715755 | Hypothymis azurea      | ClutchSize    | NA         | 3      | AoT                   |
| 103715755 | Hypothymis azurea      | IncuPeriod    | NA         | 3      | AoT                   |
| 103715755 | Hypothymis azurea      | EggLength     | NA         | 2      | HBW                   |
| 103715755 | Hypothymis azurea      | EggWidth      | NA         | 2      | HBW                   |
| 22707151  | Terpsiphone atrocaudata| BodyLength    | 2          | 1      | ASIZ                  |
| 22707151  | Terpsiphone atrocaudata| BodyMass      | 14         | 1      | AoT, ASIZ, MAPS       |
| 22707151  | Terpsiphone atrocaudata| HeadLength    | 8          | 1      | ASIZ, MAPS            |
| 22707151  | Terpsiphone atrocaudata| TailLength    | 23         | 1      | AoT, ASIZ, MAPS       |
| 22707151  | Terpsiphone atrocaudata| TarsusLength  | 25         | 1      | AoT, ASIZ, MAPS       |
| 22707151  | Terpsiphone atrocaudata| WingLength    | 25         | 1      | AoT, ASIZ, MAPS       |
| 22707151  | Terpsiphone atrocaudata| ClutchSize    | NA         | 3      | AoT                   |
| 22707151  | Terpsiphone atrocaudata| IncuPeriod    | NA         | NA     | NA                    |
| 22707151  | Terpsiphone atrocaudata| EggLength     | NA         | NA     | NA                    |
| 22707151  | Terpsiphone atrocaudata| EggWidth      | NA         | NA     | NA                    |
| 103723684 | Garrulus glandarius    | BodyLength    | NA         | 2      | HBW                   |
| 103723684 | Garrulus glandarius    | BodyMass      | 1          | 1      | MAPS                  |
| 103723684 | Garrulus glandarius    | HeadLength    | 1          | 1      | MAPS                  |
| 103723684 | Garrulus glandarius    | TailLength    | 7          | 1      | AoT                   |
| 103723684 | Garrulus glandarius    | TarsusLength  | 9          | 1      | AoT, MAPS              |
| 103723684 | Garrulus glandarius    | WingLength    | 9          | 1      | AoT, MAPS              |
| 103723684 | Garrulus glandarius    | ClutchSize    | NA         | 2      | AoT                   |
| 103723684 | Garrulus glandarius    | IncuPeriod    | NA         | 2      | AoT                   |
| 103723684 | Garrulus glandarius    | EggLength     | NA         | 3      | HBW                   |
| 103723684 | Garrulus glandarius    | EggWidth      | NA         | 3      | HBW                   |
| 22705793  | Urocissa caerulea      | BodyLength    | 13         | 1      | ASIZ                  |
| SISRecID  | ScientificName      | TraitName   | SampleSize | Method | DataSource |
|-----------|---------------------|-------------|------------|--------|------------|
| 22705793  | Urocissa caerulea   | BodyMass    | 7          | 1      | AoT; MAPS  |
| 22705793  | Urocissa caerulea   | HeadLength  | 19         | 1      | ASIZ; MAPS |
| 22705793  | Urocissa caerulea   | TailLength  | 21         | 1      | AoT; ASIZ  |
| 22705793  | Urocissa caerulea   | TarsusLength| 24         | 1      | AoT; ASIZ  |
| 22705793  | Urocissa caerulea   | WingLength  | 28         | 1      | AoT; ASIZ  |
| 22705793  | Urocissa caerulea   | ClutchSize  | NA         | 2      | AoT        |
| 22705793  | Urocissa caerulea   | IncuPeriod  | NA         | 3      | AoT        |
| 22705793  | Urocissa caerulea   | EggLength   | NA         | NA     | NA         |
| 22705793  | Urocissa caerulea   | EggWidth    | NA         | NA     | NA         |
| 22705839  | Dendrocitta formosae| BodyLength  | 4          | 1      | ASIZ       |
| 22705839  | Dendrocitta formosae| BodyMass    | 10         | 1      | AoT; ASIZ; MAPS |
| 22705839  | Dendrocitta formosae| HeadLength  | 11         | 1      | ASIZ; MAPS |
| 22705839  | Dendrocitta formosae| TailLength  | 26         | 1      | AoT; ASIZ; MAPS |
| 22705839  | Dendrocitta formosae| TarsusLength| 28         | 1      | AoT; ASIZ; MAPS |
| 22705839  | Dendrocitta formosae| WingLength  | 28         | 1      | AoT; ASIZ; MAPS |
| 22705839  | Dendrocitta formosae| ClutchSize  | NA         | 2      | AoT        |
| 22705839  | Dendrocitta formosae| IncuPeriod  | NA         | NA     | NA         |
| 22705839  | Dendrocitta formosae| EggLength   | NA         | NA     | NA         |
| 22705839  | Dendrocitta formosae| EggWidth    | NA         | NA     | NA         |
| 103727252 | Nucifraga caryocatactes| BodyLength | 9          | 1      | YIO        |
| 103727252 | Nucifraga caryocatactes| BodyMass   | NA         | 2      | HBW        |
| 103727252 | Nucifraga caryocatactes| HeadLength | 9          | 1      | YIO        |
| 103727252 | Nucifraga caryocatactes| TailLength | 12         | 1      | AoT; YIO   |
| 103727252 | Nucifraga caryocatactes| TarsusLength| 12        | 1      | AoT; YIO   |
| 103727252 | Nucifraga caryocatactes| WingLength | 12         | 1      | AoT; YIO   |
| 103727252 | Nucifraga caryocatactes| ClutchSize | NA         | 2      | AoT        |
| 103727252 | Nucifraga caryocatactes| IncuPeriod | NA         | 2      | HBW        |
| 103727252 | Nucifraga caryocatactes| EggLength  | NA         | 3      | HBW        |
| 103727252 | Nucifraga caryocatactes| EggWidth   | NA         | 3      | HBW        |
| 103727590 | Corvus macrorhynchos| BodyLength | 1          | 1      | ASIZ       |
| 103727590 | Corvus macrorhynchos| BodyMass   | 1          | 1      | AoT        |
| 103727590 | Corvus macrorhynchos| HeadLength | 1          | 1      | ASIZ       |
| 103727590 | Corvus macrorhynchos| TailLength | 9          | 1      | AoT        |
| 103727590 | Corvus macrorhynchos| TarsusLength| 9        | 1      | AoT        |
| 103727590 | Corvus macrorhynchos| WingLength | 9          | 1      | AoT        |
| 103727590 | Corvus macrorhynchos| ClutchSize | NA         | 2      | AoT        |
| SISRecID  | ScientificName       | TraitName   | SampleSize | Method  | DataSource |
|----------|----------------------|-------------|------------|---------|------------|
| 103727590 | Corvus macrorhynchos | IncuPeriod  | NA         | 2       | HBW        |
| 103727590 | Corvus macrorhynchos | EggLength   | NA         | NA      | NA         |
| 103727590 | Corvus macrorhynchos | EggWidth    | NA         | NA      | NA         |
| 22717424  | Alauda gulgula       | BodyLength  | 14         | 1       | ASIZ       |
| 22717424  | Alauda gulgula       | BodyMass    | 6          | 1       | AoT; ASIZ  |
| 22717424  | Alauda gulgula       | HeadLength  | 13         | 1       | ASIZ       |
| 22717424  | Alauda gulgula       | TailLength  | 24         | 1       | AoT; ASIZ  |
| 22717424  | Alauda gulgula       | TarsusLength| 24         | 1       | AoT; ASIZ  |
| 22717424  | Alauda gulgula       | WingLength  | 24         | 1       | AoT; ASIZ  |
| 22717424  | Alauda gulgula       | ClutchSize  | NA         | 2       | HBW        |
| 22717424  | Alauda gulgula       | IncuPeriod  | NA         | 2       | HBW        |
| 22717424  | Alauda gulgula       | EggLength   | NA         | NA      | NA         |
| 22717424  | Alauda gulgula       | EggWidth    | NA         | NA      | NA         |
| 103815539 | Riparia chinensis    | BodyLength  | 2          | 1       | ASIZ       |
| 103815539 | Riparia chinensis    | BodyMass    | 1          | 1       | AoT        |
| 103815539 | Riparia chinensis    | HeadLength  | 2          | 1       | ASIZ       |
| 103815539 | Riparia chinensis    | TailLength  | 10         | 1       | AoT; ASIZ  |
| 103815539 | Riparia chinensis    | TarsusLength| 12         | 1       | AoT; ASIZ  |
| 103815539 | Riparia chinensis    | WingLength  | 12         | 1       | AoT; ASIZ  |
| 103815539 | Riparia chinensis    | ClutchSize  | NA         | 2       | AoT        |
| 103815539 | Riparia chinensis    | IncuPeriod  | NA         | 3       | AoT        |
| 103815539 | Riparia chinensis    | EggLength   | NA         | 3       | AoT        |
| 103815539 | Riparia chinensis    | EggWidth    | NA         | 3       | AoT        |
| 22712252  | Hirundo rustica      | BodyLength  | 14         | 1       | ASIZ       |
| 22712252  | Hirundo rustica      | BodyMass    | 23         | 1       | AoT; ASIZ  |
| 22712252  | Hirundo rustica      | HeadLength  | 15         | 1       | ASIZ       |
| 22712252  | Hirundo rustica      | TailLength  | 33         | 1       | AoT; ASIZ  |
| 22712252  | Hirundo rustica      | TarsusLength| 36         | 1       | AoT; ASIZ  |
| 22712252  | Hirundo rustica      | WingLength  | 36         | 1       | AoT; ASIZ  |
| 22712252  | Hirundo rustica      | ClutchSize  | NA         | 2       | AoT        |
| 22712252  | Hirundo rustica      | IncuPeriod  | NA         | 2       | AoT        |
| 22712252  | Hirundo rustica      | EggLength   | NA         | 3       | AoT        |
| 104006414 | Hirundo tahitica     | BodyLength  | 2          | 1       | ASIZ       |
| 104006414 | Hirundo tahitica     | BodyMass    | 11         | 1       | AoT; MAPS  |
| 104006414 | Hirundo tahitica     | HeadLength  | 5          | 1       | ASIZ; MAPS |
| SISRecID     | ScientificName      | TraitName    | SampleSize | Method* | DataSource# |
|------------|---------------------|--------------|------------|---------|-------------|
| 104006414  | Hirundo tahitica    | TailLength   | 12         | 1       | AoT; ASIZ; MAPS |
| 104006414  | Hirundo tahitica    | TarsusLength | 13         | 1       | AoT; ASIZ; MAPS |
| 104006414  | Hirundo tahitica    | WingLength   | 15         | 1       | AoT; ASIZ; MAPS |
| 104006414  | Hirundo tahitica    | ClutchSize   | NA         | 2       | AoT         |
| 104006414  | Hirundo tahitica    | IncuPeriod   | NA         | 2       | AoT         |
| 104006414  | Hirundo tahitica    | EggLength    | NA         | 3       | AoT         |
| 104006414  | Hirundo tahitica    | EggWidth     | NA         | 3       | AoT         |
| 103812643  | Cecropis daurica    | BodyLength   | 1          | 1       | ASIZ        |
| 103812643  | Cecropis daurica    | BodyMass     | 6          | 1       | AoT; ASIZ   |
| 103812643  | Cecropis daurica    | HeadLength   | 1          | 1       | ASIZ        |
| 103812643  | Cecropis daurica    | TailLength   | 7          | 1       | AoT         |
| 103812643  | Cecropis daurica    | TarsusLength | 8          | 1       | AoT; ASIZ   |
| 103812643  | Cecropis daurica    | WingLength   | 8          | 1       | AoT; ASIZ   |
| 103812643  | Cecropis daurica    | ClutchSize   | NA         | 2       | AoT         |
| 103812643  | Cecropis daurica    | IncuPeriod   | NA         | 2       | HBW         |
| 103812643  | Cecropis daurica    | EggLength    | NA         | 3       | AoT         |
| 103812643  | Cecropis daurica    | EggWidth     | NA         | 3       | AoT         |
| 22712491   | Delichon dasypus    | BodyLength   | NA         | 2       | HBW         |
| 22712491   | Delichon dasypus    | BodyMass     | NA         | 3       | HBW         |
| 22712491   | Delichon dasypus    | HeadLength   | 1          | 1       | ASIZ        |
| 22712491   | Delichon dasypus    | TailLength   | 3          | 1       | AoT; ASIZ   |
| 22712491   | Delichon dasypus    | TarsusLength | 2          | 1       | AoT         |
| 22712491   | Delichon dasypus    | WingLength   | 3          | 1       | AoT; ASIZ   |
| 22712491   | Delichon dasypus    | ClutchSize   | NA         | 2       | AoT         |
| 22712491   | Delichon dasypus    | IncuPeriod   | NA         | NA      | NA          |
| 22712491   | Delichon dasypus    | EggLength    | NA         | 3       | AoT         |
| 22712491   | Delichon dasypus    | EggWidth     | NA         | 3       | AoT         |
| 22735965   | Periparus ater      | BodyLength   | NA         | 2       | HBW         |
| 22735965   | Periparus ater      | BodyMass     | 11         | 1       | MAPS        |
| 22735965   | Periparus ater      | HeadLength   | 6          | 1       | MAPS        |
| 22735965   | Periparus ater      | TailLength   | 21         | 1       | AoT; MAPS   |
| 22735965   | Periparus ater      | TarsusLength | 16         | 1       | AoT; MAPS   |
| 22735965   | Periparus ater      | WingLength   | 21         | 1       | AoT; MAPS   |
| 22735965   | Periparus ater      | ClutchSize   | NA         | 3       | AoT         |
| 22735965   | Periparus ater      | IncuPeriod   | NA         | 2       | HBW         |
| 22735965   | Periparus ater      | EggLength    | NA         | NA      | NA          |
| SISRecID    | ScientificName       | TraitName  | SampleSize | Method | DataSource |
|------------|----------------------|------------|------------|--------|------------|
| 22735965   | Periparus ater       | EggWidth   | NA         | NA     | NA         |
| 103758936  | Sittiparus castaneoventris | BodyLength | 1          | 1      | ASIZ       |
| 103758936  | Sittiparus castaneoventris | BodyMass   | 1          | 1      | AoT        |
| 103758936  | Sittiparus castaneoventris | HeadLength | NA         | NA     | NA         |
| 103758936  | Sittiparus castaneoventris | TailLength | 10         | 1      | AoT        |
| 103758936  | Sittiparus castaneoventris | TarsusLength | 9         | 1      | AoT        |
| 103758936  | Sittiparus castaneoventris | WingLength | 10         | 1      | AoT        |
| 103758936  | Sittiparus castaneoventris | ClutchSize | NA         | 3      | AoT        |
| 103758936  | Sittiparus castaneoventris | IncuPeriod | NA         | 3      | AoT        |
| 103758936  | Sittiparus castaneoventris | EggLength | NA         | NA     | NA         |
| 103758936  | Sittiparus castaneoventris | EggWidth   | NA         | NA     | NA         |
| 22711919   | Parus monticolus     | BodyLength | 6          | 1      | ASIZ       |
| 22711919   | Parus monticolus     | BodyMass   | 18         | 1      | AoT; MAPS  |
| 22711919   | Parus monticolus     | HeadLength | 18         | 1      | ASIZ; MAPS |
| 22711919   | Parus monticolus     | TailLength | 30         | 1      | AoT; MAPS  |
| 22711919   | Parus monticolus     | TarsusLength | 29      | 1      | AoT; MAPS  |
| 22711919   | Parus monticolus     | WingLength | 31         | 1      | AoT; MAPS  |
| 22711919   | Parus monticolus     | ClutchSize | NA         | 3      | AoT        |
| 22711919   | Parus monticolus     | IncuPeriod | NA         | 2      | AoT        |
| 22711919   | Parus monticolus     | EggLength  | NA         | NA     | NA         |
| 22711919   | Parus monticolus     | EggWidth   | NA         | NA     | NA         |
| 22711939   | Machlolophus holsti  | BodyLength | 4          | 1      | ASIZ       |
| 22711939   | Machlolophus holsti  | BodyMass   | 9          | 1      | AoT; ASIZ; MAPS |
| 22711939   | Machlolophus holsti  | HeadLength | 6          | 1      | ASIZ; MAPS |
| 22711939   | Machlolophus holsti  | TailLength | 17         | 1      | AoT; MAPS  |
| 22711939   | Machlolophus holsti  | TarsusLength | 17      | 1      | AoT; MAPS  |
| 22711939   | Machlolophus holsti  | WingLength | 18         | 1      | AoT; MAPS  |
| 22711939   | Machlolophus holsti  | ClutchSize | NA         | 3      | AoT        |
| 22711939   | Machlolophus holsti  | IncuPeriod | NA         | NA     | NA         |
| 22711939   | Machlolophus holsti  | EggLength  | NA         | NA     | NA         |
| 22711939   | Machlolophus holsti  | EggWidth   | NA         | NA     | NA         |
| 103870880  | Aegithalos concinnus | BodyLength | 4          | 1      | ASIZ       |
| 103870880  | Aegithalos concinnus | BodyMass   | 19         | 1      | MAPS       |
| 103870880  | Aegithalos concinnus | HeadLength | 13         | 1      | ASIZ; MAPS |
| 103870880  | Aegithalos concinnus | TailLength | 30         | 1      | AoT; ASIZ; MAPS |
| 103870880  | Aegithalos concinnus | TarsusLength | 21      | 1      | AoT; ASIZ; MAPS |
| SISRecID  | ScientificName       | TraitName | SampleSize | Method | DataSource |
|-----------|----------------------|-----------|------------|--------|------------|
| 103870880 | Aegithalos concinnus | WingLength | 30         | 1      | AoT; ASIZ; MAPS |
| 103870880 | Aegithalos concinnus | ClutchSize | NA         | 3      | AoT        |
| 103870880 | Aegithalos concinnus | IncuPeriod | NA         | 3      | AoT        |
| 103870880 | Aegithalos concinnus | EggLength  | NA         | 3      | HBW        |
| 103870880 | Aegithalos concinnus | EggWidth   | NA         | 3      | HBW        |
| 103879804 | Sitta europaea       | BodyLength | 1          | 1      | ASIZ       |
| 103879804 | Sitta europaea       | BodyMass   | 2          | 1      | MAPS       |
| 103879804 | Sitta europaea       | HeadLength | 3          | 1      | ASIZ; MAPS |
| 103879804 | Sitta europaea       | TailLength | 10         | 1      | AoT; ASIZ; MAPS |
| 103879804 | Sitta europaea       | TarsusLength | 10       | 1      | AoT; ASIZ; MAPS |
| 103879804 | Sitta europaea       | WingLength | 10         | 1      | AoT; ASIZ; MAPS |
| 103879804 | Sitta europaea       | ClutchSize | NA         | 2      | AoT        |
| 103879804 | Sitta europaea       | IncuPeriod | NA         | 3      | AoT        |
| 103879804 | Sitta europaea       | EggLength  | NA         | 3      | HBW        |
| 103879804 | Sitta europaea       | EggWidth   | NA         | 3      | HBW        |
| 103883277 | Troglodytes troglodytes | BodyLength | 8          | 1      | YIO        |
| 103883277 | Troglodytes troglodytes | BodyMass   | 17         | 1      | MAPS       |
| 103883277 | Troglodytes troglodytes | HeadLength | 20         | 1      | MAPS; YIO  |
| 103883277 | Troglodytes troglodytes | TailLength | 25         | 1      | MAPS; YIO  |
| 103883277 | Troglodytes troglodytes | TarsusLength | 20   | 1      | MAPS; YIO  |
| 103883277 | Troglodytes troglodytes | WingLength | 26         | 1      | MAPS; YIO  |
| 103883277 | Troglodytes troglodytes | ClutchSize | NA         | 2      | AoT        |
| 103883277 | Troglodytes troglodytes | IncuPeriod | NA         | 3      | HBW        |
| 103883277 | Troglodytes troglodytes | EggLength  | 3          | 3      | AoT        |
| 103883277 | Troglodytes troglodytes | EggWidth   | 3          | 3      | AoT        |
| 22708160  | Cinclus pallasii     | BodyLength | 2          | 1      | ASIZ       |
| 22708160  | Cinclus pallasii     | BodyMass   | 4          | 1      | HBW        |
| 22708160  | Cinclus pallasii     | HeadLength | 2          | 1      | ASIZ       |
| 22708160  | Cinclus pallasii     | TailLength | 12         | 1      | AoT; ASIZ  |
| 22708160  | Cinclus pallasii     | TarsusLength | 12     | 1      | AoT; ASIZ  |
| 22708160  | Cinclus pallasii     | WingLength | 12         | 1      | AoT; ASIZ  |
| 22708160  | Cinclus pallasii     | ClutchSize | NA         | 2      | AoT        |
| 22708160  | Cinclus pallasii     | IncuPeriod | NA         | 2      | AoT        |
| 22708160  | Cinclus pallasii     | EggLength  | 3          | 1      | AoT        |
| 22712600  | Spizixos semitorques | BodyLength | 3          | 1      | ASIZ       |
| SISRecID   | ScientificName       | TraitName   | SampleSize | Method | DataSource  |
|-----------|----------------------|-------------|------------|--------|-------------|
| 22712600  | Spizixos semitorques | BodyMass    | 34         | 1      | AoT; MAPS   |
| 22712600  | Spizixos semitorques | HeadLength  | 33         | 1      | ASIZ; MAPS  |
| 22712600  | Spizixos semitorques | TailLength  | 45         | 1      | AoT; ASIZ; MAPS |
| 22712600  | Spizixos semitorques | TarsusLength| 45         | 1      | AoT; ASIZ; MAPS |
| 22712600  | Spizixos semitorques | WingLength  | 48         | 1      | AoT; ASIZ; MAPS |
| 22712600  | Spizixos semitorques | ClutchSize  | NA         | 2      | AoT         |
| 22712600  | Spizixos semitorques | IncuPeriod  | NA         | NA     | NA          |
| 22712600  | Spizixos semitorques | EggLength   | NA         | NA     | NA          |
| 22712600  | Spizixos semitorques | EggWidth    | NA         | NA     | NA          |
| 22712646  | Pycnonotus taivanus  | BodyLength  | 12         | 1      | ASIZ        |
| 22712646  | Pycnonotus taivanus  | BodyMass    | 9          | 1      | AoT; ASIZ   |
| 22712646  | Pycnonotus taivanus  | HeadLength  | 22         | 1      | ASIZ        |
| 22712646  | Pycnonotus taivanus  | TailLength  | 28         | 1      | AoT; ASIZ   |
| 22712646  | Pycnonotus taivanus  | TarsusLength| 28         | 1      | AoT; ASIZ   |
| 22712646  | Pycnonotus taivanus  | WingLength  | 27         | 1      | AoT; ASIZ   |
| 22712646  | Pycnonotus taivanus  | ClutchSize  | NA         | 2      | AoT         |
| 22712646  | Pycnonotus taivanus  | IncuPeriod  | NA         | 3      | AoT         |
| 22712646  | Pycnonotus taivanus  | EggLength   | NA         | NA     | NA          |
| 22712646  | Pycnonotus taivanus  | EggWidth    | NA         | NA     | NA          |
| 22712643  | Pycnonotus sinensis  | BodyLength  | 52         | 1      | ASIZ        |
| 22712643  | Pycnonotus sinensis  | BodyMass    | 282        | 1      | AoT; ASIZ; MAPS |
| 22712643  | Pycnonotus sinensis  | HeadLength  | 261        | 1      | ASIZ; MAPS  |
| 22712643  | Pycnonotus sinensis  | TailLength  | 274        | 1      | AoT; ASIZ; MAPS |
| 22712643  | Pycnonotus sinensis  | TarsusLength| 278        | 1      | AoT; ASIZ; MAPS |
| 22712643  | Pycnonotus sinensis  | WingLength  | 312        | 1      | AoT; ASIZ; MAPS |
| 22712643  | Pycnonotus sinensis  | ClutchSize  | NA         | 2      | AoT         |
| 22712643  | Pycnonotus sinensis  | IncuPeriod  | NA         | 3      | AoT         |
| 22712643  | Pycnonotus sinensis  | EggLength   | NA         | NA     | NA          |
| 22712643  | Pycnonotus sinensis  | EggWidth    | NA         | NA     | NA          |
| 103823996 | Hypsipetes leucocephalus | BodyLength | 14         | 1      | ASIZ        |
| 103823996 | Hypsipetes leucocephalus | BodyMass   | 58         | 1      | AoT; MAPS   |
| 103823996 | Hypsipetes leucocephalus | HeadLength | 61         | 1      | ASIZ; MAPS  |
| 103823996 | Hypsipetes leucocephalus | TailLength | 63         | 1      | AoT; ASIZ; MAPS |
| 103823996 | Hypsipetes leucocephalus | TarsusLength| 68        | 1      | AoT; ASIZ; MAPS |
| 103823996 | Hypsipetes leucocephalus | WingLength | 66         | 1      | AoT; ASIZ; MAPS |
| 103823996 | Hypsipetes leucocephalus | ClutchSize | NA         | 2      | AoT         |
| SISRecID | ScientificName          | TraitName      | SampleSize | Method* | DataSource# |
|---------|-------------------------|----------------|------------|---------|-------------|
| 103823996 | *Hypsipetes leucocephalus* | IncuPeriod   | NA         | NA      | NA          |
| 103823996 | *Hypsipetes leucocephalus* | EggLength    | NA         | NA      | NA          |
| 103823996 | *Hypsipetes leucocephalus* | EggWidth     | NA         | NA      | NA          |
| 22713192  | *Hypsipetes amaurotis*   | BodyLength   | 2          | 1       | ASIZ        |
| 22713192  | *Hypsipetes amaurotis*   | BodyMass     | 12         | 1       | AoT; ASIZ   |
| 22713192  | *Hypsipetes amaurotis*   | HeadLength   | 3          | 1       | ASIZ        |
| 22713192  | *Hypsipetes amaurotis*   | TailLength   | 13         | 1       | AoT; ASIZ   |
| 22713192  | *Hypsipetes amaurotis*   | TarsusLength | 13         | 1       | AoT; ASIZ   |
| 22713192  | *Hypsipetes amaurotis*   | WingLength   | 13         | 1       | AoT; ASIZ   |
| 22713192  | *Hypsipetes amaurotis*   | ClutchSize   | NA         | 3       | AoT         |
| 22713192  | *Hypsipetes amaurotis*   | IncuPeriod   | NA         | 3       | AoT         |
| 22713192  | *Hypsipetes amaurotis*   | EggLength    | NA         | NA      | NA          |
| 22713192  | *Hypsipetes amaurotis*   | EggWidth     | NA         | NA      | NA          |
| 22712580  | *Regulus goodfellowi*    | BodyLength   | NA         | 3       | HBW         |
| 22712580  | *Regulus goodfellowi*    | BodyMass     | 47         | 1       | AoT; MAPS   |
| 22712580  | *Regulus goodfellowi*    | HeadLength   | 17         | 1       | MAPS        |
| 22712580  | *Regulus goodfellowi*    | TailLength   | 46         | 1       | AoT; MAPS   |
| 22712580  | *Regulus goodfellowi*    | TarsusLength | 26         | 1       | AoT; MAPS   |
| 22712580  | *Regulus goodfellowi*    | WingLength   | 49         | 1       | AoT; MAPS   |
| 22712580  | *Regulus goodfellowi*    | ClutchSize   | NA         | 2       | AoT         |
| 22712580  | *Regulus goodfellowi*    | IncuPeriod   | NA         | NA      | NA          |
| 22712580  | *Regulus goodfellowi*    | EggLength    | 2          | 1       | AoT         |
| 22712580  | *Regulus goodfellowi*    | EggWidth     | 2          | 1       | AoT         |
| 22734538  | *Pnoepyga formosana*     | BodyLength   | NA         | 2       | HBW         |
| 22734538  | *Pnoepyga formosana*     | BodyMass     | 19         | 1       | AoT; MAPS   |
| 22734538  | *Pnoepyga formosana*     | HeadLength   | 11         | 1       | ASIZ; MAPS  |
| 22734538  | *Pnoepyga formosana*     | TailLength   | 19         | 1       | AoT; ASIZ; MAPS |
| 22734538  | *Pnoepyga formosana*     | TarsusLength | 19         | 1       | AoT; ASIZ; MAPS |
| 22734538  | *Pnoepyga formosana*     | WingLength   | 21         | 1       | AoT; ASIZ; MAPS |
| 22734538  | *Pnoepyga formosana*     | ClutchSize   | NA         | 3       | AoT         |
| 22734538  | *Pnoepyga formosana*     | IncuPeriod   | NA         | NA      | NA          |
| 22734538  | *Pnoepyga formosana*     | EggLength    | NA         | 3       | AoT         |
| 22734538  | *Pnoepyga formosana*     | EggWidth     | NA         | 3       | AoT         |
| 22715451  | *Abroscopus albogularis* | BodyLength   | 10         | 1       | ASIZ        |
| 22715451  | *Abroscopus albogularis* | BodyMass     | 140        | 1       | AoT; ASIZ; MAPS |
| 22715451  | *Abroscopus albogularis* | HeadLength   | 97         | 1       | ASIZ; MAPS  |
| SISRecID  | ScientificName     | TraitName     | SampleSize | Method | DataSource |
|----------|-------------------|---------------|------------|--------|------------|
| 22715451 | Abroscopus albogularis | TailLength    | 131        | 1      | AoT; ASIZ; MAPS |
| 22715451 | Abroscopus albogularis | TarsusLength  | 111        | 1      | AoT; ASIZ; MAPS |
| 22715451 | Abroscopus albogularis | WingLength    | 142        | 1      | AoT; ASIZ; MAPS |
| 22715451 | Abroscopus albogularis | ClutchSize    | NA         | 2      | AoT        |
| 22715451 | Abroscopus albogularis | IncuPeriod    | NA         | NA     | NA         |
| 22714408 | Horornis fortipes  | TarsusLength  | 9          | 1      | AoT        |
| 22714408 | Horornis fortipes  | WingLength    | 9          | 1      | AoT        |
| 22714408 | Horornis fortipes  | ClutchSize    | NA         | 3      | AoT        |
| 22714408 | Horornis fortipes  | HeadLength    | NA         | NA     | NA         |
| 22714408 | Horornis fortipes  | EggLength     | NA         | 3      | AoT        |
| 22714408 | Horornis fortipes  | EggWidth      | NA         | 3      | AoT        |
| 22735889 | Horornis acanthizoides | BodyLength    | NA         | 2      | HBW        |
| 22735889 | Horornis acanthizoides | BodyMass      | 118        | 1      | AoT; MAPS   |
| 22735889 | Horornis acanthizoides | HeadLength    | 66         | 1      | MAPS       |
| 22735889 | Horornis acanthizoides | TailLength    | 103        | 1      | AoT; MAPS   |
| 22735889 | Horornis acanthizoides | TarsusLength  | 80         | 1      | AoT; MAPS   |
| 22735889 | Horornis acanthizoides | WingLength    | 117        | 1      | AoT; MAPS   |
| 22735889 | Horornis acanthizoides | ClutchSize    | NA         | 3      | AoT        |
| 22735889 | Horornis acanthizoides | IncuPeriod    | NA         | NA     | NA         |
| 22735889 | Horornis acanthizoides | EggLength     | NA         | 3      | AoT        |
| 22732064 | Locustella alishanensis | BodyLength   | NA         | 3      | HBW        |
| 22732064 | Locustella alishanensis | BodyMass     | 2          | 1      | AoT        |
| 22732064 | Locustella alishanensis | HeadLength   | NA         | NA     | NA         |
| 22732064 | Locustella alishanensis | TailLength   | 5          | 1      | AoT        |
| 22732064 | Locustella alishanensis | TarsusLength | 5          | 1      | AoT        |
| 22732064 | Locustella alishanensis | WingLength   | 5          | 1      | AoT        |
| 22732064 | Locustella alishanensis | ClutchSize   | NA         | 3      | AoT        |
| 22732064 | Locustella alishanensis | IncuPeriod   | NA         | NA     | NA         |
| 22732064 | Locustella alishanensis | EggLength    | NA         | 3      | AoT        |
| SISRecID | ScientificName       | TraitName   | SampleSize | Method* | DataSource# |
|---------|---------------------|-------------|------------|---------|-------------|
| 22732064 | *Locustella alishanensis* | EggWidth    | NA         | 3       | AoT         |
| 22713491 | Cisticola juncidis  | BodyLength  | 1          | 1       | ASIZ        |
| 22713491 | Cisticola juncidis  | BodyMass    | 4          | 1       | AoT         |
| 22713491 | Cisticola juncidis  | HeadLength  | NA         | NA      | NA          |
| 22713491 | Cisticola juncidis  | TailLength  | 5          | 1       | AoT; ASIZ   |
| 22713491 | Cisticola juncidis  | TarsusLength| 6          | 1       | AoT; ASIZ   |
| 22713491 | Cisticola juncidis  | WingLength  | 6          | 1       | AoT; ASIZ   |
| 22713491 | Cisticola juncidis  | ClutchSize  | NA         | 2       | AoT         |
| 22713491 | Cisticola juncidis  | IncuPeriod  | NA         | 2       | HBW         |
| 22713491 | Cisticola juncidis  | EggLength   | NA         | 3       | AoT         |
| 22713491 | Cisticola juncidis  | EggWidth    | NA         | 3       | AoT         |
| 22713544 | Cisticola exilis    | BodyLength  | 3          | 1       | ASIZ        |
| 22713544 | Cisticola exilis    | BodyMass    | 5          | 1       | AoT; ASIZ   |
| 22713544 | Cisticola exilis    | HeadLength  | 1          | 1       | ASIZ        |
| 22713544 | Cisticola exilis    | TailLength  | 12         | 1       | AoT; ASIZ   |
| 22713544 | Cisticola exilis    | TarsusLength| 12         | 1       | AoT; ASIZ   |
| 22713544 | Cisticola exilis    | WingLength  | 12         | 1       | AoT; ASIZ   |
| 22713544 | Cisticola exilis    | ClutchSize  | NA         | 2       | AoT         |
| 22713544 | Cisticola exilis    | IncuPeriod  | NA         | 2       | AoT         |
| 22713544 | Cisticola exilis    | EggLength   | NA         | 3       | AoT         |
| 22713544 | Cisticola exilis    | EggWidth    | NA         | 3       | AoT         |
| 22713564 | Prinia crinigera    | BodyLength  | NA         | 3       | HBW         |
| 22713564 | Prinia crinigera    | BodyMass    | 10         | 1       | AoT; MAPS   |
| 22713564 | Prinia crinigera    | HeadLength  | 3          | 1       | MAPS        |
| 22713564 | Prinia crinigera    | TailLength  | 10         | 1       | AoT; MAPS   |
| 22713564 | Prinia crinigera    | TarsusLength| 13         | 1       | AoT; MAPS   |
| 22713564 | Prinia crinigera    | WingLength  | 14         | 1       | AoT; MAPS   |
| 22713564 | Prinia crinigera    | ClutchSize  | NA         | 2       | AoT         |
| 22713564 | Prinia crinigera    | IncuPeriod  | NA         | 2       | HBW         |
| 22713564 | Prinia crinigera    | EggLength   | 10         | 3       | AoT         |
| 22713564 | Prinia crinigera    | EggWidth    | 10         | 3       | AoT         |
| 103777145 | Prinia flaviventris | BodyLength  | 4          | 1       | ASIZ        |
| 103777145 | Prinia flaviventris | BodyMass    | 106        | 1       | AoT; ASIZ; MAPS |
| 103777145 | Prinia flaviventris | HeadLength  | 74         | 1       | ASIZ; MAPS  |
| 103777145 | Prinia flaviventris | TailLength  | 82         | 1       | AoT; ASIZ; MAPS |
| 103777145 | Prinia flaviventris | TarsusLength| 97         | 1       | AoT; ASIZ; MAPS |
| SISRecID  | ScientificName         | TraitName       | SampleSize | Method*  | DataSource# |
|-----------|------------------------|-----------------|------------|----------|-------------|
| 103777145 | Prinia flaviventris    | WingLength      | 105        | 1        | AoT; ASIZ; MAPS |
| 103777145 | Prinia flaviventris    | ClutchSize      | NA         | 2        | AoT         |
| 103777145 | Prinia flaviventris    | IncuPeriod      | NA         | 2        | HBW         |
| 103777145 | Prinia flaviventris    | EggLength       | NA         | 3        | AoT         |
| 103777145 | Prinia flaviventris    | EggWidth        | NA         | 3        | AoT         |
| 22713615  | Prinia inornata        | BodyLength      | 4          | 1        | ASIZ        |
| 22713615  | Prinia inornata        | BodyMass        | 68         | 1        | AoT; ASIZ; MAPS |
| 22713615  | Prinia inornata        | HeadLength      | 49         | 1        | ASIZ; MAPS   |
| 22713615  | Prinia inornata        | TailLength      | 60         | 1        | AoT; ASIZ; MAPS |
| 22713615  | Prinia inornata        | ClutchSize      | NA         | 3        | AoT         |
| 22713615  | Prinia inornata        | IncuPeriod      | NA         | 2        | HBW         |
| 22713615  | Prinia inornata        | EggLength       | NA         | 3        | AoT         |
| 22713615  | Prinia inornata        | EggWidth        | NA         | 3        | AoT         |
| 22734603  | Fulvetta formosana     | BodyLength      | NA         | 3        | HBW         |
| 22734603  | Fulvetta formosana     | BodyMass        | 154        | 1        | AoT; MAPS    |
| 22734603  | Fulvetta formosana     | HeadLength      | 84         | 1        | MAPS        |
| 22734603  | Fulvetta formosana     | TailLength      | 133        | 1        | AoT; MAPS    |
| 22734603  | Fulvetta formosana     | TarsusLength    | 100        | 1        | AoT; MAPS    |
| 22734603  | Fulvetta formosana     | WingLength      | 147        | 1        | AoT; MAPS    |
| 22734603  | Fulvetta formosana     | ClutchSize      | NA         | 3        | AoT         |
| 22734603  | Fulvetta formosana     | IncuPeriod      | NA         | NA       | NA          |
| 22734603  | Fulvetta formosana     | EggLength       | 2          | 1        | AoT         |
| 22734603  | Fulvetta formosana     | EggWidth        | 2          | 1        | AoT         |
| 22716804  | Sinosuthora webbiana   | BodyLength      | 28         | 1        | ASIZ        |
| 22716804  | Sinosuthora webbiana   | BodyMass        | 78         | 1        | AoT; ASIZ; MAPS |
| 22716804  | Sinosuthora webbiana   | HeadLength      | 93         | 1        | ASIZ; MAPS   |
| 22716804  | Sinosuthora webbiana   | TailLength      | 84         | 1        | AoT; ASIZ; MAPS |
| 22716804  | Sinosuthora webbiana   | TarsusLength    | 99         | 1        | AoT; ASIZ; MAPS |
| 22716804  | Sinosuthora webbiana   | WingLength      | 97         | 1        | AoT; ASIZ; MAPS |
| 22716804  | Sinosuthora webbiana   | ClutchSize      | NA         | 3        | AoT         |
| 22716804  | Sinosuthora webbiana   | IncuPeriod      | NA         | 3        | AoT         |
| 22716804  | Sinosuthora webbiana   | EggLength       | NA         | NA       | NA          |
| 22716829  | Suthora verreauxi      | BodyLength      | NA         | 3        | HBW         |
| SISRecID | ScientificName       | TraitName   | SampleSize | Method | DataSource |
|----------|----------------------|-------------|------------|--------|------------|
| 22716829 | Suthora verreauxi    | BodyMass    | 121        | 1      | MAPS       |
| 22716829 | Suthora verreauxi    | HeadLength  | 44         | 1      | MAPS       |
| 22716829 | Suthora verreauxi    | TailLength  | 108        | 1      | AoT; MAPS  |
| 22716829 | Suthora verreauxi    | TarsusLength| 57         | 1      | AoT; MAPS  |
| 22716829 | Suthora verreauxi    | WingLength  | 121        | 1      | AoT; MAPS  |
| 22716829 | Suthora verreauxi    | ClutchSize  | NA         | 2      | AoT        |
| 22716829 | Suthora verreauxi    | IncuPeriod  | NA         | NA     | NA         |
| 22716829 | Suthora verreauxi    | EggLength   | NA         | 3      | AoT        |
| 22716829 | Suthora verreauxi    | EggWidth    | NA         | 3      | AoT        |
| 22716746 | Yuhina brunneiceps   | BodyLength  | 4          | 1      | ASIZ       |
| 22716746 | Yuhina brunneiceps   | BodyMass    | 182        | 1      | AoT; MAPS  |
| 22716746 | Yuhina brunneiceps   | HeadLength  | 132        | 1      | ASIZ; MAPS |
| 22716746 | Yuhina brunneiceps   | TailLength  | 185        | 1      | AoT; ASIZ; MAPS |
| 22716746 | Yuhina brunneiceps   | TarsusLength| 149        | 1      | AoT; ASIZ; MAPS |
| 22716746 | Yuhina brunneiceps   | WingLength  | 182        | 1      | AoT; ASIZ; MAPS |
| 22716746 | Yuhina brunneiceps   | ClutchSize  | NA         | 2      | AoT        |
| 22716746 | Yuhina brunneiceps   | IncuPeriod  | NA         | 3      | HBW        |
| 22716746 | Yuhina brunneiceps   | EggLength   | 12         | 3      | AoT        |
| 22716746 | Yuhina brunneiceps   | EggWidth    | 12         | 3      | AoT        |
| 22714033 | Zosterops japonicus  | BodyLength  | 20         | 1      | ASIZ       |
| 22714033 | Zosterops japonicus  | BodyMass    | 128        | 1      | ASIZ; MAPS |
| 22714033 | Zosterops japonicus  | HeadLength  | 103        | 1      | ASIZ; MAPS |
| 22714033 | Zosterops japonicus  | TailLength  | 116        | 1      | AoT; ASIZ; MAPS |
| 22714033 | Zosterops japonicus  | TarsusLength| 117        | 1      | AoT; ASIZ; MAPS |
| 22714033 | Zosterops japonicus  | WingLength  | 143        | 1      | AoT; ASIZ; MAPS |
| 22714033 | Zosterops japonicus  | ClutchSize  | NA         | 3      | AoT        |
| 22714033 | Zosterops japonicus  | IncuPeriod  | NA         | 3      | HBW        |
| 22714033 | Zosterops japonicus  | EggLength   | 8          | 3      | AoT        |
| 22714033 | Zosterops japonicus  | EggWidth    | 8          | 3      | AoT        |
| 22714037 | Zosterops meyeni     | BodyLength  | NA         | 2      | HBW        |
| 22714037 | Zosterops meyeni     | BodyMass    | NA         | 3      | HBW        |
| 22714037 | Zosterops meyeni     | HeadLength  | NA         | NA     | NA         |
| 22714037 | Zosterops meyeni     | TailLength  | 10         | 1      | AoT        |
| 22714037 | Zosterops meyeni     | TarsusLength| 10         | 1      | AoT        |
| 22714037 | Zosterops meyeni     | WingLength  | 10         | 1      | AoT        |
| 22714037 | Zosterops meyeni     | ClutchSize  | NA         | 2      | AoT        |
| SISRecID | ScientificName         | TraitName    | SampleSize | Method | DataSource       |
|----------|------------------------|--------------|------------|--------|------------------|
| 22714037 | Zosterops meyeni       | IncuPeriod   | NA         | NA     | NA               |
| 22714037 | Zosterops meyeni       | EggLength    | NA         | 3      | AoT              |
| 22714037 | Zosterops meyeni       | EggWidth     | NA         | 3      | AoT              |
| 22716187 | Cyanoderma ruficeps    | BodyLength   | 5          | 1      | ASIZ             |
| 22716187 | Cyanoderma ruficeps    | BodyMass     | 1183       | 1      | AoT; ASIZ; MAPS  |
| 22716187 | Cyanoderma ruficeps    | HeadLength   | 1000       | 1      | ASIZ; MAPS       |
| 22716187 | Cyanoderma ruficeps    | TailLength   | 1051       | 1      | AoT; ASIZ; MAPS  |
| 22716187 | Cyanoderma ruficeps    | TarsusLength | 1039       | 1      | AoT; ASIZ; MAPS  |
| 22716187 | Cyanoderma ruficeps    | WingLength   | 1167       | 1      | AoT; ASIZ; MAPS  |
| 22716187 | Cyanoderma ruficeps    | ClutchSize   | NA         | 2      | AoT              |
| 22716187 | Cyanoderma ruficeps    | IncuPeriod   | NA         | NA     | NA               |
| 22716187 | Cyanoderma ruficeps    | EggLength    | NA         | 3      | AoT              |
| 22716187 | Cyanoderma ruficeps    | EggWidth     | NA         | 3      | AoT              |
| 22734518 | Pomatorhinus musicus   | BodyLength   | 6          | 1      | ASIZ             |
| 22734518 | Pomatorhinus musicus   | BodyMass     | 357        | 1      | AoT; ASIZ; MAPS  |
| 22734518 | Pomatorhinus musicus   | HeadLength   | 319        | 1      | ASIZ; MAPS       |
| 22734518 | Pomatorhinus musicus   | TailLength   | 326        | 1      | AoT; ASIZ; MAPS  |
| 22734518 | Pomatorhinus musicus   | TarsusLength | 343        | 1      | AoT; ASIZ; MAPS  |
| 22734518 | Pomatorhinus musicus   | WingLength   | 358        | 1      | ASIZ; MAPS       |
| 22734518 | Pomatorhinus musicus   | ClutchSize   | NA         | 3      | AoT              |
| 22734518 | Pomatorhinus musicus   | IncuPeriod   | NA         | NA     | NA               |
| 22734518 | Pomatorhinus musicus   | EggLength    | 7          | 3      | AoT              |
| 22734518 | Pomatorhinus musicus   | EggWidth     | 7          | 3      | AoT              |
| 22735573 | Erythrogenys erythrocnemis | BodyLength | 4          | 1      | ASIZ             |
| 22735573 | Erythrogenys erythrocnemis | BodyMass | 48         | 1      | AoT; ASIZ; MAPS  |
| 22735573 | Erythrogenys erythrocnemis | HeadLength | 41        | 1      | ASIZ; MAPS       |
| 22735573 | Erythrogenys erythrocnemis | TailLength | 42        | 1      | AoT; ASIZ; MAPS  |
| 22735573 | Erythrogenys erythrocnemis | TarsusLength | 49         | 1      | AoT; ASIZ; MAPS  |
| 22735573 | Erythrogenys erythrocnemis | WingLength | 46        | 1      | AoT; ASIZ; MAPS  |
| 22735573 | Erythrogenys erythrocnemis | ClutchSize | NA       | 2      | AoT              |
| 22735573 | Erythrogenys erythrocnemis | IncuPeriod | NA       | NA     | NA               |
| 22735573 | Erythrogenys erythrocnemis | EggLength | NA     | 3      | AoT              |
| 22735573 | Erythrogenys erythrocnemis | EggWidth | NA     | 3      | AoT              |
| 22716624 | Schoeniparus brunneus  | BodyLength   | 3          | 1      | ASIZ             |
| 22716624 | Schoeniparus brunneus  | BodyMass     | 706        | 1      | AoT; ASIZ; MAPS  |
| 22716624 | Schoeniparus brunneus  | HeadLength   | 602        | 1      | ASIZ; MAPS       |
| SISRecID | ScientificName  | TraitName | SampleSize | Method | DataSource |
|----------|----------------|-----------|------------|--------|------------|
| 22716624 | Schoeniparus brunneus | TailLength | 613 | 1 | AoT; ASIZ; MAPS |
| 22716624 | Schoeniparus brunneus | TarsusLength | 628 | 1 | AoT; ASIZ; MAPS |
| 22716624 | Schoeniparus brunneus | WingLength | 673 | 1 | AoT; ASIZ; MAPS |
| 22716624 | Schoeniparus brunneus | ClutchSize | NA | 2 | AoT |
| 22716624 | Schoeniparus brunneus | IncuPeriod | NA | NA | NA |
| 22716644 | Alcippe morrisonia | BodyLength | 10 | 1 | ASIZ |
| 22716644 | Alcippe morrisonia | BodyMass | 1276 | 1 | AoT; ASIZ; MAPS |
| 22716644 | Alcippe morrisonia | HeadLength | 1113 | 1 | ASIZ; MAPS |
| 22716644 | Alcippe morrisonia | TailLength | 1127 | 1 | AoT; ASIZ; MAPS |
| 22716644 | Alcippe morrisonia | TarsusLength | 1175 | 1 | AoT; ASIZ; MAPS |
| 22716644 | Alcippe morrisonia | WingLength | 1263 | 1 | AoT; ASIZ; MAPS |
| 22716644 | Alcippe morrisonia | ClutchSize | NA | 2 | AoT |
| 22716644 | Alcippe morrisonia | IncuPeriod | NA | 2 | HBW |
| 22716644 | Alcippe morrisonia | EggLength | 3 | 1 | AoT |
| 22716644 | Alcippe morrisonia | EggWidth | 3 | 1 | AoT |
| 22734473 | Garrulax taewanus | BodyLength | 6 | 1 | ASIZ |
| 22734473 | Garrulax taewanus | BodyMass | 7 | 1 | AoT; ASIZ |
| 22734473 | Garrulax taewanus | HeadLength | 9 | 1 | ASIZ |
| 22734473 | Garrulax taewanus | TailLength | 13 | 1 | AoT; ASIZ |
| 22734473 | Garrulax taewanus | TarsusLength | 13 | 1 | AoT; ASIZ; MAPS |
| 22734473 | Garrulax taewanus | WingLength | 14 | 1 | AoT; ASIZ; MAPS |
| 22734473 | Garrulax taewanus | ClutchSize | NA | 2 | AoT |
| 22734473 | Garrulax taewanus | IncuPeriod | NA | 3 | HBW |
| 22734473 | Garrulax taewanus | EggLength | 21 | 3 | AoT |
| 22734473 | Garrulax taewanus | EggWidth | 21 | 3 | AoT |
| 22734443 | Garrulax ruficeps | BodyLength | NA | 2 | HBW |
| 22734443 | Garrulax ruficeps | BodyMass | 2 | 1 | AoT; MAPS |
| 22734443 | Garrulax ruficeps | HeadLength | 1 | 1 | MAPS |
| 22734443 | Garrulax ruficeps | TailLength | 3 | 1 | AoT; MAPS |
| 22734443 | Garrulax ruficeps | TarsusLength | 3 | 1 | AoT; MAPS |
| 22734443 | Garrulax ruficeps | WingLength | 3 | 1 | AoT; MAPS |
| 22734443 | Garrulax ruficeps | ClutchSize | NA | NA | NA |
| 22734443 | Garrulax ruficeps | IncuPeriod | NA | NA | NA |
| 22734443 | Garrulax ruficeps | EggLength | NA | NA | NA |
| SISRecID  | ScientificName            | TraitName | SampleSize | Method*  | DataSource# |
|----------|---------------------------|-----------|------------|----------|-------------|
| 22734434 | *Garrulax ruficeps*       | EggWidth  | NA         | NA       | NA          |
| 22735107 | *Garrulax poecilorhynchus*| BodyLength | 1          | 1        | ASIZ        |
| 22735107 | *Garrulax poecilorhynchus*| BodyMass  | 14         | 1        | AoT; ASIZ; MAPS |
| 22735107 | *Garrulax poecilorhynchus*| HeadLength| 5          | 1        | ASIZ; MAPS  |
| 22735107 | *Garrulax poecilorhynchus*| TailLength| 13         | 1        | AoT; ASIZ; MAPS |
| 22735107 | *Garrulax poecilorhynchus*| TarsusLength| 14      | 1        | AoT; ASIZ; MAPS |
| 22735107 | *Garrulax poecilorhynchus*| WingLength| 14         | 1        | AoT; ASIZ; MAPS |
| 22735107 | *Garrulax poecilorhynchus*| ClutchSize| NA         | 2        | AoT         |
| 22735107 | *Garrulax poecilorhynchus*| IncuPeriod| NA         | NA       | NA          |
| 22735107 | *Garrulax poecilorhynchus*| EggLength | 3          | 3        | AoT         |
| 22735107 | *Garrulax poecilorhynchus*| EggWidth  | 3          | 3        | AoT         |
| 22715750 | *Trochalopteron morrisonianum* | BodyLength | 1         | 1        | ASIZ        |
| 22715750 | *Trochalopteron morrisonianum* | BodyMass | 79         | 1        | AoT; ASIZ; MAPS |
| 22715750 | *Trochalopteron morrisonianum* | HeadLength | 60        | 1        | ASIZ; MAPS  |
| 22715750 | *Trochalopteron morrisonianum* | TailLength | 67       | 1        | AoT; ASIZ; MAPS |
| 22715750 | *Trochalopteron morrisonianum* | TarsusLength | 69       | 1        | AoT; ASIZ; MAPS |
| 22715750 | *Trochalopteron morrisonianum* | WingLength | 75       | 1        | AoT; ASIZ; MAPS |
| 22715750 | *Trochalopteron morrisonianum* | ClutchSize | NA        | 3        | AoT         |
| 22715750 | *Trochalopteron morrisonianum* | IncuPeriod | NA        | NA       | NA          |
| 22715750 | *Trochalopteron morrisonianum* | EggLength | NA        | 3        | AoT         |
| 22715750 | *Trochalopteron morrisonianum* | EggWidth | NA        | 3        | AoT         |
| 22716711 | *Heterophasia auricularis* | BodyLength | 2        | 1        | ASIZ        |
| 22716711 | *Heterophasia auricularis* | BodyMass  | 64         | 1        | AoT; MAPS   |
| 22716711 | *Heterophasia auricularis* | HeadLength | 46        | 1        | ASIZ; MAPS  |
| 22716711 | *Heterophasia auricularis* | TailLength | 68        | 1        | AoT; ASIZ; MAPS |
| 22716711 | *Heterophasia auricularis* | TarsusLength | 59       | 1        | AoT; ASIZ; MAPS |
| 22716711 | *Heterophasia auricularis* | WingLength | 59        | 1        | AoT; ASIZ; MAPS |
| 22716711 | *Heterophasia auricularis* | ClutchSize | NA        | NA       | NA          |
| 22716711 | *Heterophasia auricularis* | IncuPeriod | NA        | NA       | NA          |
| 22716711 | *Heterophasia auricularis* | EggLength | NA        | NA       | NA          |
| 22716711 | *Heterophasia auricularis* | EggWidth | NA        | NA       | NA          |
| 22715775 | *Liocichla steenii*       | BodyLength | 10       | 1        | ASIZ        |
| 22715775 | *Liocichla steenii*       | BodyMass  | 335        | 1        | AoT; ASIZ; MAPS |
| 22715775 | *Liocichla steenii*       | HeadLength | 242       | 1        | ASIZ; MAPS  |
| 22715775 | *Liocichla steenii*       | TailLength | 306       | 1        | AoT; ASIZ; MAPS |
| 22715775 | *Liocichla steenii*       | TarsusLength | 261      | 1        | AoT; ASIZ; MAPS |
| SISRecID | ScientificName      | TraitName    | SampleSize | Method*  | DataSource# |
|----------|---------------------|--------------|------------|----------|-------------|
| 22715775 | Liocichla steerii   | WingLength   | 338        | 1        | AoT; ASIZ; MAPS |
| 22715775 | Liocichla steerii   | ClutchSize   | NA         | 2        | AoT         |
| 22715775 | Liocichla steerii   | IncuPeriod   | NA         | 3        | HBW         |
| 22715775 | Liocichla steerii   | EggLength    | 6          | 3        | AoT         |
| 22715775 | Liocichla steerii   | EggWidth     | 6          | 3        | AoT         |
| 22716572 | Sibia morrisoniana  | BodyLength   | NA         | 2        | HBW         |
| 22716572 | Sibia morrisoniana  | BodyMass     | 52         | 1        | AoT; MAPS   |
| 22716572 | Sibia morrisoniana  | HeadLength   | 36         | 1        | MAPS        |
| 22716572 | Sibia morrisoniana  | TailLength   | 44         | 1        | AoT; MAPS   |
| 22716572 | Sibia morrisoniana  | TarsusLength | 45         | 1        | AoT; MAPS   |
| 22716572 | Sibia morrisoniana  | WingLength   | 50         | 1        | AoT; MAPS   |
| 22716572 | Sibia morrisoniana  | ClutchSize   | NA         | NA       | NA          |
| 22716572 | Sibia morrisoniana  | IncuPeriod   | NA         | NA       | NA          |
| 22716572 | Sibia morrisoniana  | EggLength    | NA         | NA       | NA          |
| 22716572 | Sibia morrisoniana  | EggWidth     | NA         | NA       | NA          |
| 22709223 | Muscicapa ferruginea| BodyLength   | NA         | 2        | HBW         |
| 22709223 | Muscicapa ferruginea| BodyMass     | 21         | 1        | MAPS        |
| 22709223 | Muscicapa ferruginea| HeadLength   | 16         | 1        | MAPS        |
| 22709223 | Muscicapa ferruginea| TailLength   | 29         | 1        | AoT; MAPS   |
| 22709223 | Muscicapa ferruginea| TarsusLength | 24         | 1        | AoT; MAPS   |
| 22709223 | Muscicapa ferruginea| WingLength   | 31         | 1        | AoT; MAPS   |
| 22709223 | Muscicapa ferruginea| ClutchSize   | NA         | 3        | AoT         |
| 22709223 | Muscicapa ferruginea| IncuPeriod   | NA         | NA       | NA          |
| 22709223 | Muscicapa ferruginea| EggLength    | NA         | 3        | AoT         |
| 22709223 | Muscicapa ferruginea| EggWidth     | NA         | 3        | AoT         |
| 103756772 | Niltava vivida      | BodyLength   | 3          | 1        | ASIZ        |
| 103756772 | Niltava vivida      | BodyMass     | 13         | 1        | MAPS        |
| 103756772 | Niltava vivida      | HeadLength   | 15         | 1        | ASIZ; MAPS  |
| 103756772 | Niltava vivida      | TailLength   | 25         | 1        | AoT; ASIZ; MAPS |
| 103756772 | Niltava vivida      | TarsusLength | 26         | 1        | AoT; ASIZ; MAPS |
| 103756772 | Niltava vivida      | WingLength   | 25         | 1        | AoT; ASIZ; MAPS |
| 103756772 | Niltava vivida      | ClutchSize   | NA         | 3        | AoT         |
| 103756772 | Niltava vivida      | IncuPeriod   | NA         | NA       | NA          |
| 103756772 | Niltava vivida      | EggLength    | NA         | NA       | NA          |
| 103756772 | Niltava vivida      | EggWidth     | NA         | NA       | NA          |
| 103866595 | Brachypteryx montana| BodyLength   | NA         | 2        | HBW         |
| SISRecID   | ScientificName      | TraitName   | SampleSize | Method* | DataSource# |
|-----------|---------------------|-------------|------------|---------|-------------|
| 103866595 | Brachypteryx montana | BodyMass    | 30         | 1       | AoT; MAPS   |
| 103866595 | Brachypteryx montana | HeadLength  | 23         | 1       | MAPS        |
| 103866595 | Brachypteryx montana | TailLength  | 32         | 1       | AoT; MAPS   |
| 103866595 | Brachypteryx montana | TarsusLength| 30         | 1       | AoT; MAPS   |
| 103866595 | Brachypteryx montana | WingLength  | 33         | 1       | AoT; MAPS   |
| 103866595 | Brachypteryx montana | ClutchSize  | NA         | 3       | AoT         |
| 103866595 | Brachypteryx montana | IncuPeriod  | NA         | NA      | NA          |
| 103866595 | Brachypteryx montana | EggLength   | NA         | NA      | NA          |
| 103866595 | Brachypteryx montana | EggWidth    | NA         | NA      | NA          |
| 22708334  | Myophonus insularis  | BodyLength  | 14         | 1       | ASIZ        |
| 22708334  | Myophonus insularis  | BodyMass    | 17         | 1       | AoT; ASIZ; MAPS |
| 22708334  | Myophonus insularis  | HeadLength  | 16         | 1       | ASIZ        |
| 22708334  | Myophonus insularis  | TailLength  | 25         | 1       | AoT; ASIZ; MAPS |
| 22708334  | Myophonus insularis  | TarsusLength| 27         | 1       | AoT; ASIZ; MAPS |
| 22708334  | Myophonus insularis  | WingLength  | 27         | 1       | AoT; ASIZ; MAPS |
| 22708334  | Myophonus insularis  | ClutchSize  | 6          | 3       | AoT         |
| 22708334  | Myophonus insularis  | IncuPeriod  | NA         | 2       | HBW         |
| 22708334  | Myophonus insularis  | EggLength   | 4          | 3       | AoT         |
| 22708334  | Myophonus insularis  | EggWidth    | 4          | 3       | AoT         |
| 22710123  | Enicurus scouleri    | BodyLength  | 2          | 1       | ASIZ        |
| 22710123  | Enicurus scouleri    | BodyMass    | 5          | 1       | AoT; MAPS   |
| 22710123  | Enicurus scouleri    | HeadLength  | 3          | 1       | ASIZ; MAPS  |
| 22710123  | Enicurus scouleri    | TailLength  | 13         | 1       | AoT; ASIZ; MAPS |
| 22710123  | Enicurus scouleri    | TarsusLength| 13         | 1       | AoT; ASIZ; MAPS |
| 22710123  | Enicurus scouleri    | WingLength  | 13         | 1       | AoT; ASIZ; MAPS |
| 22710123  | Enicurus scouleri    | ClutchSize  | NA         | 2       | HBW         |
| 22710123  | Enicurus scouleri    | IncuPeriod  | NA         | NA      | NA          |
| 22710123  | Enicurus scouleri    | EggLength   | NA         | NA      | NA          |
| 22710123  | Enicurus scouleri    | EggWidth    | NA         | NA      | NA          |
| 103768823 | Myiomela leucura     | BodyLength  | 6          | 1       | ASIZ        |
| 103768823 | Myiomela leucura     | BodyMass    | 413        | 1       | AoT; ASIZ; MAPS |
| 103768823 | Myiomela leucura     | HeadLength  | 335        | 1       | ASIZ; MAPS  |
| 103768823 | Myiomela leucura     | TailLength  | 385        | 1       | AoT; ASIZ; MAPS |
| 103768823 | Myiomela leucura     | TarsusLength| 360        | 1       | AoT; ASIZ; MAPS |
| 103768823 | Myiomela leucura     | WingLength  | 408        | 1       | AoT; ASIZ; MAPS |
| 103768823 | Myiomela leucura     | ClutchSize  | NA         | 2       | AoT         |
| SISRecID | ScientificName      | TraitName | SampleSize | Method* | DataSource# |
|----------|---------------------|-----------|------------|---------|-------------|
| 103768823| Myiomela leucura    | IncuPeriod| NA         | NA      | NA          |
| 103768823| Myiomela leucura    | EggLength | NA         | 2       | HBW         |
| 103768823| Myiomela leucura    | EggWidth  | NA         | 2       | HBW         |
| 22709743 | Tarsiger indicus    | BodyLength| NA         | 2       | HBW         |
| 22709743 | Tarsiger indicus    | BodyMass  | 274        | 1       | AoT; MAPS   |
| 22709743 | Tarsiger indicus    | HeadLength| 187        | 1       | MAPS        |
| 22709743 | Tarsiger indicus    | TailLength| 255        | 1       | AoT; MAPS   |
| 22709743 | Tarsiger indicus    | TarsusLength| 206   | 1       | AoT; MAPS   |
| 22709743 | Tarsiger indicus    | WingLength| 271        | 1       | AoT; MAPS   |
| 22709743 | Tarsiger indicus    | ClutchSize| NA         | 3       | AoT         |
| 22709743 | Tarsiger indicus    | IncuPeriod| NA         | NA      | NA          |
| 22709743 | Tarsiger indicus    | EggLength | NA         | 3       | AoT         |
| 22709753 | Tarsiger johnstoniae| BodyLength| 3          | 1       | ASIZ        |
| 22709753 | Tarsiger johnstoniae| BodyMass  | 84         | 1       | AoT; ASIZ; MAPS |
| 22709753 | Tarsiger johnstoniae| HeadLength| 59         | 1       | ASIZ; MAPS  |
| 22709753 | Tarsiger johnstoniae| TailLength| 86         | 1       | AoT; ASIZ; MAPS |
| 22709753 | Tarsiger johnstoniae| TarsusLength| 74     | 1       | AoT; ASIZ; MAPS |
| 22709753 | Tarsiger johnstoniae| WingLength| 89         | 1       | AoT; ASIZ; MAPS |
| 22709753 | Tarsiger johnstoniae| ClutchSize| 43         | 3       | AoT         |
| 22709753 | Tarsiger johnstoniae| IncuPeriod| NA         | 3       | AoT         |
| 22709753 | Tarsiger johnstoniae| EggLength | NA         | NA      | NA          |
| 103769540| Ficedula hyperythra | BodyLength| NA         | 2       | HBW         |
| 103769540| Ficedula hyperythra | BodyMass  | 90         | 1       | MAPS        |
| 103769540| Ficedula hyperythra | HeadLength| 75         | 1       | MAPS        |
| 103769540| Ficedula hyperythra | TailLength| 89         | 1       | AoT; MAPS   |
| 103769540| Ficedula hyperythra | TarsusLength| 78     | 1       | AoT; MAPS   |
| 103769540| Ficedula hyperythra | WingLength| 93         | 1       | AoT; MAPS   |
| 103769540| Ficedula hyperythra | ClutchSize| NA         | 3       | AoT         |
| 103769540| Ficedula hyperythra | IncuPeriod| NA         | NA      | NA          |
| 103769540| Ficedula hyperythra | EggLength | NA         | 3       | AoT         |
| 103769540| Ficedula hyperythra | EggWidth  | NA         | 3       | AoT         |
| 22710092 | Phoenicurus fuliginosus| BodyLength| 2         | 1       | ASIZ        |
| 22710092 | Phoenicurus fuliginosus| BodyMass  | 21         | 1       | AoT; ASIZ   |
| 22710092 | Phoenicurus fuliginosus| HeadLength| 2         | 1       | ASIZ        |
| SISRecID  | ScientificName   | TraitName    | SampleSize | Method | DataSource |
|----------|------------------|--------------|------------|--------|------------|
| 22710092 | *Phoenicurus fuliginosus* | TailLength   | 22         | 1      | AoT; ASIZ  |
| 22710092 | *Phoenicurus fuliginosus* | TarsusLength | 22         | 1      | AoT; ASIZ  |
| 22710092 | *Phoenicurus fuliginosus* | WingLength   | 22         | 1      | AoT; ASIZ  |
| 22710092 | *Phoenicurus fuliginosus* | ClutchSize   | NA         | NA     | NA         |
| 22710092 | *Phoenicurus fuliginosus* | IncuPeriod   | NA         | 3      | AoT        |
| 22710092 | *Phoenicurus fuliginosus* | EggLength    | NA         | 3      | AoT        |
| 22708286 | *Monticola solitarius*    | BodyLength   | 5          | 1      | ASIZ       |
| 22708286 | *Monticola solitarius*    | BodyMass     | 19         | 1      | AoT; ASIZ  |
| 22708286 | *Monticola solitarius*    | HeadLength   | 6          | 1      | ASIZ       |
| 22708286 | *Monticola solitarius*    | TailLength   | 23         | 1      | AoT; ASIZ  |
| 22708286 | *Monticola solitarius*    | TarsusLength | 23         | 1      | AoT; ASIZ  |
| 22708286 | *Monticola solitarius*    | WingLength   | 24         | 1      | AoT; ASIZ  |
| 22708286 | *Monticola solitarius*    | ClutchSize   | NA         | 2      | HBW        |
| 22708286 | *Monticola solitarius*    | IncuPeriod   | NA         | 2      | HBW        |
| 22708286 | *Monticola solitarius*    | EggLength    | NA         | NA     | NA         |
| 22708286 | *Monticola solitarius*    | EggWidth     | NA         | NA     | NA         |
| 103879357| *Zoothera dauma*         | BodyLength   | 9          | 1      | ASIZ       |
| 103879357| *Zoothera dauma*         | BodyMass     | 6          | 1      | ASIZ; MAPS |
| 103879357| *Zoothera dauma*         | HeadLength   | 12         | 1      | ASIZ; MAPS |
| 103879357| *Zoothera dauma*         | TailLength   | 13         | 1      | AoT; ASIZ; MAPS |
| 103879357| *Zoothera dauma*         | TarsusLength | 14         | 1      | AoT; ASIZ; MAPS |
| 103879357| *Zoothera dauma*         | WingLength   | 14         | 1      | AoT; ASIZ; MAPS |
| 103879357| *Zoothera dauma*         | ClutchSize   | NA         | 3      | HBW        |
| 103879357| *Zoothera dauma*         | IncuPeriod   | NA         | NA     | NA         |
| 103879357| *Zoothera dauma*         | EggLength    | NA         | NA     | NA         |
| 103879357| *Zoothera dauma*         | EggWidth     | NA         | NA     | NA         |
| 103888237| *Turdus mandarinus*      | BodyLength   | 1          | 1      | ASIZ       |
| 103888237| *Turdus mandarinus*      | BodyMass     | 4          | 1      | AoT; ASIZ; MAPS |
| 103888237| *Turdus mandarinus*      | HeadLength   | 3          | 1      | ASIZ; MAPS |
| 103888237| *Turdus mandarinus*      | TailLength   | 4          | 1      | AoT; ASIZ; MAPS |
| 103888237| *Turdus mandarinus*      | TarsusLength | 4          | 1      | AoT; ASIZ; MAPS |
| 103888237| *Turdus mandarinus*      | WingLength   | 5          | 1      | AoT; ASIZ; MAPS |
| 103888237| *Turdus mandarinus*      | ClutchSize   | NA         | 2      | HBW        |
| 103888237| *Turdus mandarinus*      | IncuPeriod   | NA         | 2      | HBW        |
| 103888237| *Turdus mandarinus*      | EggLength    | NA         | NA     | NA         |
| SISRecID  | ScientificName       | TraitName | SampleSize | Method | DataSource |
|-----------|----------------------|-----------|------------|--------|------------|
| 10388237  | Turdus mandarinus    | EggWidth  | NA         | NA     | NA         |
| 103891993 | Turdus poliocephalus | BodyLength| NA         | 2      | HBW        |
| 103891993 | Turdus poliocephalus | BodyMass  | 13         | 1      | AoT; MAPS  |
| 103891993 | Turdus poliocephalus | HeadLength| 11         | 1      | MAPS       |
| 103891993 | Turdus poliocephalus | TailLength| 20         | 1      | AoT; MAPS  |
| 103891993 | Turdus poliocephalus | TarsusLength| 23        | 1      | AoT; MAPS  |
| 103891993 | Turdus poliocephalus | WingLength| 21         | 1      | AoT; MAPS  |
| 103891993 | Turdus poliocephalus | ClutchSize| NA         | 2      | AoT        |
| 103891993 | Turdus poliocephalus | IncuPeriod| NA         | 3      | HBW        |
| 22710896  | Spodiopsar cineraceus| BodyLength| NA         | 2      | HBW        |
| 22710896  | Spodiopsar cineraceus| BodyMass  | NA         | 2      | HBW        |
| 22710896  | Spodiopsar cineraceus| HeadLength| NA         | NA     | NA         |
| 22710896  | Spodiopsar cineraceus| TailLength| NA         | NA     | NA         |
| 22710896  | Spodiopsar cineraceus| TarsusLength| NA       | NA     | NA         |
| 22710896  | Spodiopsar cineraceus| WingLength| NA         | NA     | NA         |
| 22710896  | Spodiopsar cineraceus| ClutchSize| NA         | 2      | HBW        |
| 22710896  | Spodiopsar cineraceus| IncuPeriod| NA         | 2      | HBW        |
| 22710896  | Spodiopsar cineraceus| EggLength | NA         | NA     | NA         |
| 22710946  | Acridotheres cristatellus | BodyLength| 3         | 1      | ASIZ       |
| 22710946  | Acridotheres cristatellus | BodyMass  | NA         | 2      | HBW        |
| 22710946  | Acridotheres cristatellus | HeadLength| 3         | 1      | ASIZ       |
| 22710946  | Acridotheres cristatellus | TailLength| 13        | 1      | AoT; ASIZ  |
| 22710946  | Acridotheres cristatellus | TarsusLength| 13       | 1      | AoT; ASIZ  |
| 22710946  | Acridotheres cristatellus | WingLength| 13        | 1      | AoT; ASIZ  |
| 22710946  | Acridotheres cristatellus | ClutchSize| NA         | 2      | AoT        |
| 22710946  | Acridotheres cristatellus | IncuPeriod| NA         | 3      | HBW        |
| 22710946  | Acridotheres cristatellus | EggLength | NA         | 2      | AoT        |
| 22710946  | Acridotheres cristatellus | EggWidth  | NA         | 2      | AoT        |
| 103776140 | Dicaeum minullum     | BodyLength| 8          | 1      | YIO        |
| 103776140 | Dicaeum minullum     | BodyMass  | 1          | 1      | MAPS       |
| 103776140 | Dicaeum minullum     | HeadLength| 9          | 1      | MAPS; YIO  |
| 103776140 | Dicaeum minullum     | TailLength| 10         | 1      | AoT; MAPS; YIO |
| 103776140 | Dicaeum minullum     | TarsusLength| 2        | 1      | AoT; MAPS  |
| SISRecID   | ScientificName  | TraitName    | SampleSize | Method  | DataSource |
|-----------|----------------|--------------|------------|---------|------------|
| 103776140 | Dicaeum minullum | WingLength   | 10         | 1       | AoT; MAPS; YIO |
| 103776140 | Dicaeum minullum | ClutchSize   | NA         | 2       | HBW        |
| 103776140 | Dicaeum minullum | IncuPeriod   | NA         | NA      | NA         |
| 103776140 | Dicaeum minullum | EggLength    | NA         | NA      | NA         |
| 103776140 | Dicaeum minullum | EggWidth     | NA         | NA      | NA         |
| 103776843 | Dicaeum ignipectus | BodyLength  | 7          | 1       | YIO        |
| 103776843 | Dicaeum ignipectus | BodyMass    | 1          | 1       | MAPS       |
| 103776843 | Dicaeum ignipectus | HeadLength  | 8          | 1       | MAPS; YIO  |
| 103776843 | Dicaeum ignipectus | TailLength  | 12         | 1       | AoT; MAPS; YIO |
| 103776843 | Dicaeum ignipectus | TarsusLength | 5         | 1       | AoT        |
| 103776843 | Dicaeum ignipectus | WingLength  | 11         | 1       | AoT; MAPS; YIO |
| 103776843 | Dicaeum ignipectus | ClutchSize  | NA         | 2       | AoT        |
| 103776843 | Dicaeum ignipectus | IncuPeriod  | NA         | NA      | NA         |
| 103776843 | Dicaeum ignipectus | EggLength   | NA         | 2       | HBW        |
| 103776843 | Dicaeum ignipectus | EggWidth    | NA         | 2       | HBW        |
| 22718617  | Prunella collaris | BodyLength  | 9          | 1       | YIO        |
| 22718617  | Prunella collaris | BodyMass    | NA         | 2       | HBW        |
| 22718617  | Prunella collaris | HeadLength  | 9          | 1       | YIO        |
| 22718617  | Prunella collaris | TailLength  | 11         | 1       | AoT; YIO   |
| 22718617  | Prunella collaris | TarsusLength | 11        | 1       | AoT; YIO   |
| 22718617  | Prunella collaris | WingLength  | 11         | 1       | AoT; YIO   |
| 22718617  | Prunella collaris | ClutchSize  | NA         | 2       | HBW        |
| 22718617  | Prunella collaris | IncuPeriod  | NA         | 2       | HBW        |
| 22718617  | Prunella collaris | EggLength   | NA         | NA      | NA         |
| 22718617  | Prunella collaris | EggWidth    | NA         | NA      | NA         |
| 22718348  | Motacilla alba   | BodyLength  | 6          | 1       | ASIZ       |
| 22718348  | Motacilla alba   | BodyMass    | 2          | 1       | ASIZ; MAPS |
| 22718348  | Motacilla alba   | HeadLength  | 7          | 1       | ASIZ; MAPS |
| 22718348  | Motacilla alba   | TailLength  | 13         | 1       | AoT; ASIZ; MAPS |
| 22718348  | Motacilla alba   | TarsusLength | 13        | 1       | AoT; ASIZ; MAPS |
| 22718348  | Motacilla alba   | WingLength  | 13         | 1       | AoT; ASIZ; MAPS |
| 22718348  | Motacilla alba   | ClutchSize  | NA         | 2       | AoT        |
| 22718348  | Motacilla alba   | IncuPeriod  | NA         | 2       | HBW        |
| 22718348  | Motacilla alba   | EggLength   | NA         | 3       | AoT        |
| 22718348  | Motacilla alba   | EggWidth    | NA         | 3       | AoT        |
| 103837801 | Pyrrhula nipalensis | BodyLength  | 10         | 1       | ASIZ; YIO |

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| SISRecID  | ScientificName    | TraitName | SampleSize | Method       | DataSource |
|----------|------------------|-----------|------------|--------------|------------|
| 103837801 | Pyrrhula nipalensis | BodyMass  | 14         | 1            | ASIZ, MAPS |
| 103837801 | Pyrrhula nipalensis | HeadLength | 19         | 1            | MAPS; YIO  |
| 103837801 | Pyrrhula nipalensis | TailLength | 25         | 1            | AoT, ASIZ, MAPS; YIO |
| 103837801 | Pyrrhula nipalensis | TarsusLength | 25       | 1            | AoT, ASIZ, MAPS; YIO |
| 103837801 | Pyrrhula nipalensis | WingLength | 25         | 1            | AoT, ASIZ, MAPS; YIO |
| 103837801 | Pyrrhula nipalensis | ClutchSize | NA         | NA           | NA         |
| 103837801 | Pyrrhula nipalensis | IncuPeriod | NA         | NA           | NA         |
| 103837801 | Pyrrhula nipalensis | EggLength | NA         | NA           | NA         |
| 103837801 | Pyrrhula nipalensis | EggWidth | NA         | NA           | NA         |
| 22720668  | Pyrrhula erythaca  | BodyLength | 9          | 1            | ASIZ, YIO  |
| 22720668  | Pyrrhula erythaca  | BodyMass  | 12         | 1            | MAPS       |
| 22720668  | Pyrrhula erythaca  | HeadLength | 21         | 1            | ASIZ, MAPS; YIO |
| 22720668  | Pyrrhula erythaca  | TailLength | 20         | 1            | AoT, ASIZ, MAPS |
| 22720668  | Pyrrhula erythaca  | TarsusLength | 27       | 1            | AoT, ASIZ, MAPS; YIO |
| 22720668  | Pyrrhula erythaca  | WingLength | 28         | 1            | AoT, ASIZ, MAPS; YIO |
| 22720668  | Pyrrhula erythaca  | ClutchSize | NA         | 3            | HBW        |
| 22720668  | Pyrrhula erythaca  | IncuPeriod | NA         | NA           | NA         |
| 22720668  | Pyrrhula erythaca  | EggLength | NA         | NA           | NA         |
| 22720668  | Pyrrhula erythaca  | EggWidth | NA         | NA           | NA         |
| 103834794 | Carpodacus formosanus | BodyLength | 1          | 1            | ASIZ       |
| 103834794 | Carpodacus formosanus | BodyMass  | 47         | 1            | MAPS       |
| 103834794 | Carpodacus formosanus | HeadLength | 44         | 1            | ASIZ, MAPS |
| 103834794 | Carpodacus formosanus | TailLength | 56         | 1            | AoT, ASIZ, MAPS |
| 103834794 | Carpodacus formosanus | TarsusLength | 54       | 1            | AoT, ASIZ, MAPS |
| 103834794 | Carpodacus formosanus | WingLength | 58         | 1            | AoT, ASIZ, MAPS |
| 103834794 | Carpodacus formosanus | ClutchSize | NA         | NA           | NA         |
| 103834794 | Carpodacus formosanus | IncuPeriod | NA         | NA           | NA         |
| 103834794 | Carpodacus formosanus | EggLength | NA         | NA           | NA         |
| 103834794 | Carpodacus formosanus | EggWidth | NA         | NA           | NA         |
| 22718191  | Passer cinnamomeus | BodyLength | 7          | 1            | YIO        |
| 22718191  | Passer cinnamomeus | BodyMass  | NA         | 2            | HBW        |
| 22718191  | Passer cinnamomeus | HeadLength | 7          | 1            | YIO        |
| 22718191  | Passer cinnamomeus | TailLength | 7          | 1            | YIO        |
| 22718191  | Passer cinnamomeus | TarsusLength | 7       | 1            | YIO        |
| 22718191  | Passer cinnamomeus | WingLength | 7          | 1            | YIO        |
| 22718191  | Passer cinnamomeus | ClutchSize | NA         | 2            | HBW        |
| SISRecID  | ScientificName       | TraitName   | SampleSize | Method | DataSource |
|----------|----------------------|-------------|------------|--------|------------|
| 22718191 | Passer cinnamomeus   | IncuPeriod  | NA         | NA     | NA         |
| 22718191 | Passer cinnamomeus   | EggLength   | NA         | NA     | NA         |
| 22718191 | Passer cinnamomeus   | EggWidth    | NA         | NA     | NA         |
| 22718270 | Passer montanus      | BodyLength  | 12         | 1      | ASIZ       |
| 22718270 | Passer montanus      | BodyMass    | 9          | 1      | ASIZ       |
| 22718270 | Passer montanus      | HeadLength  | 15         | 1      | ASIZ       |
| 22718270 | Passer montanus      | TailLength  | 25         | 1      | ASIZ, AoT  |
| 22718270 | Passer montanus      | TarsusLength| 25         | 1      | ASIZ, AoT  |
| 22718270 | Passer montanus      | WingLength  | 25         | 1      | ASIZ, AoT  |
| 22718270 | Passer montanus      | ClutchSize  | NA         | 2      | AoT        |
| 22718270 | Passer montanus      | IncuPeriod  | NA         | 2      | HBW        |
| 22718270 | Passer montanus      | EggLength   | NA         | 3      | AoT        |
| 22719806 | Lonchura striata     | BodyLength  | 2          | 1      | ASIZ       |
| 22719806 | Lonchura striata     | BodyMass    | 68         | 1      | MAPS       |
| 22719806 | Lonchura striata     | HeadLength  | 68         | 1      | ASIZ, MAPS |
| 22719806 | Lonchura striata     | TailLength  | 73         | 1      | AoT, ASIZ, MAPS |
| 22719806 | Lonchura striata     | TarsusLength| 81         | 1      | AoT, ASIZ, MAPS |
| 22719806 | Lonchura striata     | WingLength  | 82         | 1      | AoT, ASIZ, MAPS |
| 22719806 | Lonchura striata     | ClutchSize  | NA         | 2      | HBW        |
| 22719806 | Lonchura striata     | IncuPeriod  | NA         | 3      | HBW        |
| 22719806 | Lonchura striata     | EggLength   | NA         | NA     | NA         |
| 22719806 | Lonchura striata     | EggWidth    | NA         | NA     | NA         |
| 22719821 | Lonchura punctulata  | BodyLength  | 11         | 1      | ASIZ       |
| 22719821 | Lonchura punctulata  | BodyMass    | 26         | 1      | ASIZ, MAPS |
| 22719821 | Lonchura punctulata  | HeadLength  | 35         | 1      | ASIZ, MAPS |
| 22719821 | Lonchura punctulata  | TailLength  | 44         | 1      | AoT, ASIZ, MAPS |
| 22719821 | Lonchura punctulata  | TarsusLength| 47         | 1      | AoT, ASIZ, MAPS |
| 22719821 | Lonchura punctulata  | WingLength  | 48         | 1      | AoT, ASIZ, MAPS |
| 22719821 | Lonchura punctulata  | ClutchSize  | NA         | 3      | AoT        |
| 22719821 | Lonchura punctulata  | IncuPeriod  | NA         | 2      | AoT        |
| 22719821 | Lonchura punctulata  | EggLength   | NA         | 3      | AoT        |
| 22719821 | Lonchura punctulata  | EggWidth    | NA         | 3      | AoT        |
| 2279138  | Lonchura atricapilla | BodyLength  | NA         | 2      | HBW        |
| 2279138  | Lonchura atricapilla | BodyMass    | NA         | 2      | HBW        |
| 22729138 | Lonchura atricapilla | HeadLength  | NA         | NA     | NA         |
### Distribution

Four traits, lower and upper elevation boundaries and lower and upper temperature boundaries, are under the category of distribution (Table 1). To estimate the boundaries, we obtained the occurrence records of all the 171 species from the eBird database (downloaded on 16 March 2018; Sullivan et al. 2009) and used only the records collected after the year of 2000 within the study area. We obtained the elevation for each of the occurrence locations, based on the data layer from the ASTER Global Digital Elevation Models (v2; [https://search.earthdata.nasa.gov/search/](https://search.earthdata.nasa.gov/search/)). To account for the uncertainty in GPS locating, we calculated the mean elevation within 100 m of each location. We then calculated the 2.5th and the 97.5th percentiles of the mean elevation values for each species as the lower and upper elevation boundaries, respectively, of the distribution range of the species in Taiwan. For the temperature boundaries of species distribution ranges, we obtained the temperature values for the same occurrence dataset, based on the time series data layers of the Climatologies at High Resolution for the Earth’s Land Surface Areas ([http://chelsa-climate.org/](http://chelsa-climate.org/); Karger et al. 2017). For each occurrence record, we obtained the mean temperature of the month when the record was collected in the field. We then calculated the 2.5th and the 97.5th percentiles of the mean values for each species as the lower and upper temperature boundaries, respectively. Due to the limited availability of the time series temperature data, we only used the occurrence records collected between 2000 and 2013 for this calculation.

### Activity and Feeding

We obtained the information on the activity time, diet and foraging stratum of the bird species from the EltonTraits dataset (Wilman et al. 2014) by subsetting the dataset for the 171 breeding bird species in Taiwan. Therefore, the information on the three traits in our dataset is the same as that in the EltonTraits dataset. The reason for including the

| SISRecID | ScientificName   | TraitName   | SampleSize | Method | DataSource |
|----------|------------------|-------------|------------|--------|------------|
| 22729138 | Lonchura atricapilla | TailLength  | 2          | 1      | AoT        |
| 22729138 | Lonchura atricapilla | TarsusLength | 2          | 1      | AoT        |
| 22729138 | Lonchura atricapilla | WingLength  | 2          | 1      | AoT        |
| 22729138 | Lonchura atricapilla | ClutchSize  | NA         | 2      | HBW        |
| 22729138 | Lonchura atricapilla | IncuPeriod  | NA         | 3      | HBW        |
| 22729138 | Lonchura atricapilla | EggLength   | NA         | NA     | NA         |
| 22729138 | Lonchura atricapilla | EggWidth    | NA         | NA     | NA         |

* Calculation methods: 1 - the mean and/or standard deviation of a trait value were calculated from the measurements of individual birds, broods or eggs; 2 - the mean of a trait value was calculated as the average of the maximum and minimum trait values obtained from the data source; 3 - the mean and/or standard deviation of a trait value were obtained directly from the data source.

# Data sources: AoT - the Avifauna of Taiwan; ASIZ - Biodiversity Research Museum of Academia Sinica; Elton - EltonTraits dataset; HBW - the Handbook of the Birds of the World; MAPS - MAPS Taiwan banding dataset; TM - National Taiwan Museum; and YIO - Yamashina Institute for Ornithology.
information was for completeness. The original information sources and the approaches for compiling the information can be found in Wilman et al. (2014).

**Habitat**

We obtained information on habitat use of the bird species from the Avifauna of Taiwan (Severinghaus et al. 2010) and defined the habitat types following the habitats classification scheme used by the Red List of Threatened Species of the International Union for Conservation of Nature (IUCN; [https://www.iucnredlist.org/resources/habitat-classification-scheme](https://www.iucnredlist.org/resources/habitat-classification-scheme)). Thirteen of the 18 IUCN first-level habitat types were used by the 171 breeding bird species in Taiwan and, thus, 13 binary variables were included in our dataset to indicate which habitat types were used by each of the species (Table 2).

**Breeding**

Eight traits, including the clutch size, incubation period, egg length, egg width, brood parasitism, nest structure, nest site and nest attachment, are in the trait category of breeding (Table 1). The mean values of the clutch size and incubation period were calculated for each species from the measurements on individual broods reported in the Avifauna of Taiwan (Severinghaus et al. 2010), while the mean values of the egg length and egg width were from the measurements on individual eggs. When the measurements on individual broods or eggs were not available, we calculated the mean of the maximum and minimum values reported in the Avifauna of Taiwan (Severinghaus et al. 2010) or the HBW Alive (Del Hoyo et al. 2018). The information on the data source, sample size and calculation method for the four traits of each species is provided in Table 3.

We obtained the information on the nest structure, nest site and nest attachment approaches from the HBW Alive (Del Hoyo et al. 2018) and defined seven, seven and four types of the three traits (Table 1), respectively, following Fang et al. (2018). As a single species may build nests with more than one type of structure, site and/or attachment, we used seven, seven and four binary variables to indicate the types of the three traits, respectively, for each species (Table 2). Some bird species do not build their own nests, but lay their eggs in the nests of other species and rely on the hosts to raise their offspring. Therefore, we included another trait, brood parasitism, to indicate the brood parasite species, whose nest traits cannot be defined.

**Geographic coverage**

**Description:** Taiwan, including Taiwan's main island, Penghu Islands, Green Island, Lanyu Island, Guishan Island and the Three Northern Islands (Fig. 1).

**Coordinates:** 21°01'03 and 25°37'46" Latitude; 118°60'03 and 122°04'17" Longitude.
**Taxonomic coverage**

**Description:** This dataset contains trait information for all breeding birds in Taiwan, including 157 resident and 14 summer visitor bird species (CWBF; version of the Year 2017). These species belong to 15 orders and 58 families. We followed the HBW and BirdLife Taxonomic Checklist ([http://datazone.birdlife.org/species/taxonomy](http://datazone.birdlife.org/species/taxonomy); HBW-BirdLife Version 4.0) for nomenclature.

**Taxa included:**

| Rank | Scientific Name       | Common Name          |
|------|-----------------------|----------------------|
| species | *Aix galericulata*  | Mandarin Duck        |
| species | *Anas zonorhyncha*   | Chinese Spot-billed Duck |
| species | *Synoicus chinensis* | Asian Blue Quail     |
| species | *Arborophila crudigularis* | Taiwan Partridge     |
| species | *Bambusicola sonorivox* | Taiwan Bamboo-Partridge |
| species | *Syrmaticus mikado*  | Mikado Pheasant      |
| species | *Phasianus colchicus* | Common Pheasant      |
| species | *Lophura swinhoii*   | Swinhoe’s Pheasant   |
| species | *Tachybaptus ruficollis* | Little Grebe        |
| species | *Ixobrychus sinensis* | Yellow Bittern       |
| species | *Ixobrychus cinnamomeus* | Cinnamon Bittern   |
| species                          | Common Name                  |
|---------------------------------|------------------------------|
| Ardea purpurea                  | Purple Heron                 |
| Ardea alba                      | Great White Egret            |
| Egretta garzetta                | Little Egret                 |
| Egretta sacra                   | Pacific Reef-Heron           |
| Bubulcus ibis                   | Cattle Egret                 |
| Butorides striata               | Green-backed Heron           |
| Nycticorax nycticorax           | Black-crowned Night-heron    |
| Gorsachius melanolophus         | Malayan Night-heron          |
| Elanus caeruleus                | Black-shouldered Kite        |
| Pernis ptilorhynchus            | Oriental Honey-buzzard       |
| Spilornis cheela                | Crested Serpent-eagle        |
| Nisaetus nipalensis             | Mountain Hawk-eagle          |
| Ictinaetus malaiensis           | Black Eagle                  |
| Accipiter trivirgatus           | Crested Goshawk              |
| Accipiter virgatus              | Besra                        |
| Milvus migrans                  | Black Kite                   |
| Rallina eurizonoides            | Slaty-legged Crake           |
| Lewinia striata                 | Slaty-breasted Rail          |
| Amaurornis phoenicurus           | White-breasted Waterhen      |
| Zapornia fusca                  | Ruddy-breasted Crake         |
| Gallicrex cinerea               | Watercock                    |
| Gallinula chloropus             | Common Moorhen               |
| Himantopus himantoporus         | Himantopus himantoporus      |
| Charadrius alexandrinus         | Kentish Plover               |
| Charadrius dubius               | Little Ringed Plover         |
| Rostratula benghalensis         | Greater Painted-snipe        |
| Hydrophasianus chirurgus        | Pheasant-tailed Jacana       |
| Tumix sylvaticus                | Common Buttonquail           |
| Tumix suscitator                | Barred Buttonquail           |
| Glareola maldivearum            | Oriental Pratincole          |
| Anous stolidus                  | Brown Noddy                  |
| species                        | Common Name                      |
|-------------------------------|----------------------------------|
| Onychoprion anaethetus        | Bridled Tern                     |
| Sterna albifrons              | Little Tern                      |
| Sterna dougallii              | Roseate Tern                     |
| Onychoprion fuscatus          | Sooty Tern                       |
| Sterna sumatrana              | Black-naped Tern                 |
| Thalasseus bergii             | Great Crested Tern               |
| Thalasseus bernsteini         | Chinese Crested Tern             |
| Columba pulchricollis         | Ashy WoodPigeon                  |
| Streptopelia orientalis       | Oriental Turtle-Dove             |
| Streptopelia tranquebarica    | Red Turtle-dove                  |
| Spilopelia chinensis          | Eastern Spotted Dove             |
| Macropygia tenuirostris       | Philippine Cuckoo-Dove           |
| Chalcophaps indica            | Grey-capped Emerald Dove         |
| Treron sieboldii              | White-bellied Pigeon             |
| Treron formosae               | Taiwan Green-pigeon              |
| Ramphiculus leclancheri       | Black-chinned Fruit-Dove         |
| Centropus bengalensis         | Lesser Coucal                    |
| Hierococcyx sparverioides     | Large Hawk-cuckoo                |
| Cuculus saturatus             | Oriental Cuckoo                  |
| Tyto longimembris             | Eastern Grass-owl                |
| Otus spilocephalus            | Mountain Scops-Owl               |
| Otus lettia                   | Collared Scops-Owl               |
| Otus elegans                  | Ryukyu Scops-Owl                 |
| Ketupa flavipes               | Tawny Fish-Owl                   |
| Glaucidium brodiei            | Collared Owlet                   |
| Strix leptogrammica           | Brown Wood-Owl                   |
| Strix nivicolum               | Himalayan Owl                    |
| Ninox japonica                | Northern Boobook                 |
| Caprimulgus affinis           | Savanna Nightjar                 |
| Hirundapus cochinchenensis    | Silver-backed Needletail         |
| Apus nipalensis               | House Swift                      |
| species         | Common Kingfisher                      |
|-----------------|---------------------------------------|
| species         | Taiwan Barbet                          |
| species         | Gray-capped Woodpecker                 |
| species         | White-backed Woodpecker                |
| species         | Gray-faced Woodpecker                  |
| species         | Peregrine Falcon                       |
| species         | Fairy Pitta                           |
| species         | Gray-chinned Minivet                  |
| species         | Indian Cuckoooshrike                   |
| species         | Long-tailed Shrike                     |
| species         | White-bellied Erpornis                |
| species         | Black-naped Oriole                    |
| species         | Maroon Oriole                         |
| species         | Black Drongo                          |
| species         | Bronzed Drongo                        |
| species         | Black-naped Monarch                   |
| species         | Japanese Paradise-Flycatcher           |
| species         | Eurasian Jay                          |
| species         | Taiwan Blue Magpie                    |
| species         | Gray Treepie                          |
| species         | Eurasian Nutcracker                   |
| species         | Large-billed Crow                     |
| species         | Oriental Skylark                      |
| species         | Asian Plain Martin                    |
| species         | Barn Swallow                          |
| species         | Tahiti Swallow                        |
| species         | Striated Swallow                      |
| species         | Asian House-Martin                    |
| species         | Coal Tit                              |
| species         | Chestnut-bellied Tit                  |
| species         | Green-backed Tit                      |
| species                          | Common Name                      |
|---------------------------------|----------------------------------|
| Machlolophus holsti             | Yellow Tit                       |
| Aegithalos concinnus            | Black-throated Tit               |
| Sitta europaea                  | Eurasian Nuthatch                |
| Troglodytes troglodytes         | Northern Wren                    |
| Cinclus pallasii                | Brown Dipper                     |
| Spizixos semitorques            | Collared Finchbill               |
| Pycnonotus taivanus             | Styan's Bulbul                   |
| Pycnonotus sinensis             | Light-vented Bulbul               |
| Hypsipetes leucocephalus        | Black Bulbul                     |
| Hypsipetes amaurotis            | Brown-eared Bulbul               |
| Regulus goodfellowi             | Flamecrest                       |
| Pnoepyga formosana              | Taiwan Cupwing                   |
| Abroscopus albogularis          | Rufous-faced Warbler             |
| Horornis fortipes               | Brownish-flanked Bush-warbler    |
| Horornis acanthizoides          | Yellowish-bellied Bush-warbler   |
| Locustella alishanensis         | Taiwan Grasshopper-warbler       |
| Cisticola juncidis              | Zitting Cisticola                |
| Cisticola exilis                | Golden-headed Cisticola          |
| Prinia crinigera                | Striated Prinia                  |
| Prinia flaviventris             | Yellow-bellied Prinia            |
| Prinia inornata                 | Plain Prinia                     |
| Fulvetta formosana              | Taiwan Fulvetta                  |
| Sinosuthora webbiana            | Vinous-throated Parrotbill       |
| Suthora verreauxi               | Golden Parrotbill                |
| Yuhina brunneiceps             | Taiwan Yuhina                    |
| Zosterops japonicus             | Japanese White-eye               |
| Zosterops meyen                 | Lowland White-eye                |
| Cyanoderma ruficeps             | Rufous-capped Babbler            |
| Pomatorhinus musicus            | Taiwan Scimitar-Babbler          |
| Erythrogenys erythrocnemis      | Black-necklaced Scimitar-Babbler |
| Schoeniparus brunneus           | Dusky Fulvetta                   |
| species                               | Common Name                                   |
|---------------------------------------|-----------------------------------------------|
| Alcippe morrisonia                    | Grey-cheeked Fulvetta                         |
| Garrulax taewanus                     | Taiwan Hwamei                                 |
| Garrulax ruficeps                     | Rufous-crowned Laughingthrush                 |
| Garrulax poecilorhynchus              | Rusty Laughingthrush                          |
| Trochalopteron morrisonianum          | White-whiskered Laughingthrush                |
| Heterophasia auricularis             | White-eared Sibia                             |
| Liocichla steerii                    | Taiwan Liocichla                              |
| Sibia morrisoniana                   | Taiwan Barwing                                |
| Muscicapa ferruginea                 | Ferruginous Flycatcher                        |
| Niltava vivida                       | Small Vivid Niltava                           |
| Brachypteryx montana                 | Javan Shortwing                               |
| Myophonus insularis                  | Taiwan Whistling-Thrush                       |
| Enicurus scouleri                    | Little Forktail                               |
| Myioma leuca                         | White-tailed Blue Robin                       |
| Tarsiger indicus                     | White-browed Bush-Robin                      |
| Tarsiger johnstoniae                 | Collared Bush-Robin                          |
| Ficedula hyperythra                  | Snowy-browed Flycatcher                      |
| Phoenicurus fuliginosus              | Plumbeous Redstart                           |
| Monticola solitarius                 | Blue Rock-Thrush                              |
| Zoothera dauma                       | Scaly Thrush                                  |
| Turdus mandarinus                    | Chinese Blackbird                             |
| Turdus poliocephalus                 | Island Thrush                                 |
| Spodiopsar cinereus                  | White-cheeked Starling                        |
| Acriotheres cristatellus             | Crested Myna                                  |
| Dicaeum minullum                     | Plain Flowerpecker                            |
| Dicaeum ignipectus                   | Fire-breasted Flowerpecker                    |
| Prunella collaris                    | Alpine Accentor                               |
| Motacilla alba                       | White Wagtail                                 |
| Pyrrhula nipalensis                  | Brown Bullfinch                               |
| Pyrrhula erythaca                    | Gray-headed Bullfinch                         |
| Carpodacus formosanus                | Taiwan Rosefinch                              |
Traits coverage

This dataset contains 23 traits, grouped into 7 categories (Table 1).

Usage rights

Use license: Other

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Data resources

Data package title: A trait dataset for Taiwan's breeding birds

Resource link: http://doi.org/10.5281/zenodo.3749452

Number of data sets: 3

Data set name: Taiwan_Breeding_Bird_Trait_ver2.csv

Download URL: http://doi.org/10.5281/zenodo.3749452

Data format: csv file

Description: Trait data table

| Column label            | Column description                                                                 |
|-------------------------|------------------------------------------------------------------------------------|
| SISRecID                | Taxonomic identifier used by BirdLife International                                 |
| ScientificName          | Scientific name                                                                     |
| ScientificName_CWBF    | Scientific name used in the Checklist of Birds of Taiwan                             |
| Order                   | Order name                                                                          |
| Family                  | Family name                                                                         |
| CommName                | Common name                                                                         |
| Resident                | Whether containing resident populations in Taiwan (0: no; 1: yes)                   |
| Variable          | Description                                                                 |
|-------------------|-----------------------------------------------------------------------------|
| WinMig            | Whether containing winter visitor populations in Taiwan (0: no; 1: yes)     |
| SumMig            | Whether containing summer visitor populations in Taiwan (0: no; 1: yes)     |
| PasMig            | Whether containing passage migratory populations in Taiwan (0: no; 1: yes)  |
| BodyMassMean      | Mean body mass (mg)                                                         |
| BodyMassSD        | Standard deviation of body mass (mg)                                        |
| BodyLengthMean    | Mean body length (mm)                                                       |
| BodyLengthSD      | Standard deviation of body length (mm)                                      |
| HeadLengthMean    | Mean head length (mm)                                                       |
| HeadLengthSD      | Standard deviation of head length (mm)                                      |
| WingLengthMean    | Mean natural wing length (mm)                                               |
| WingLengthSD      | Standard deviation of natural wing length (mm)                              |
| TailLengthMean    | Mean tail length (mm)                                                       |
| TailLengthSD      | Standard deviation of tail length (mm)                                      |
| TarsusLengthMean  | Mean tarsus length (mm)                                                     |
| TarsusLengthSD    | Standard deviation of tarsus length (mm)                                    |
| LowElevBound      | Lower elevation boundary of the distributional range in Taiwan (m)         |
| HighElevBound     | Upper elevation boundary of the distributional range in Taiwan (m)         |
| LowTempBound      | Lower temperature boundary of the distributional range in Taiwan (°C)      |
| HighTempBound     | Upper temperature boundary of the distributional range in Taiwan (°C)      |
| Nocturnality      | Whether being nocturnal (0: no; 1: yes)                                     |
| Diet_inv          | Percentage of invertebrates in the diet (%)                                 |
| Diet_vend         | Percentage of mammals and birds in the diet (%)                             |
| Diet_vect         | Percentage of reptiles and amphibians in the diet (%)                       |
| Diet_fish         | Percentage of fish in the diet (%)                                          |
| Diet_vunk         | Percentage of unknown vertebrates in the diet (%)                           |
| Diet_scav         | Percentage of dead organisms in diet (%)                                    |
| Diet_fruit        | Percentage of fruits in diet (%)                                            |
| Diet_nect         | Percentage of nectar and pollen in diet (%)                                 |
| Diet_seed         | Percentage of seeds in diet (%)                                             |
| Diet_planto       | Percentage of other plant materials in diet (%)                             |
| ForStrat_watbelow | Prevalence of foraging below water surfaces (%)                             |
| Trait Name                  | Description                                                                 |
|----------------------------|-----------------------------------------------------------------------------|
| ForStrat_wataroundsurf     | Prevalence of foraging around water surfaces (%)                            |
| ForStrat_ground            | Prevalence of foraging on the ground (%)                                    |
| ForStrat_understory        | Prevalence of foraging below 2 m in understory (%)                          |
| ForStrat_midhigh           | Prevalence of foraging in mid to high levels in trees or high bushes (%)    |
| ForStrat_canopy            | Prevalence of foraging in or just above tree canopy (%)                     |
| ForStrat_aerial            | Prevalence of foraging above vegetation or any structures (%)               |
| Habitat_forest             | Whether using forest as habitat (0: no; 1: yes)                             |
| Habitat_savanna            | Whether using savannah as habitat (0: no; 1: yes)                           |
| Habitat_shrubland          | Whether using shrubland as habitat (0: no; 1: yes)                          |
| Habitat_grassland          | Whether using grassland as habitat (0: no; 1: yes)                          |
| Habitat_wetland            | Whether using wetland as habitat (0: no; 1: yes)                            |
| Habitat_rocky              | Whether using rocky areas as habitat (0: no; 1: yes)                        |
| Habitat_neritic            | Whether using nertic areas as habitat (0: no; 1: yes)                       |
| Habitat_intertidal         | Whether using intertidal areas as habitat (0: no; 1: yes)                   |
| Habitat_coastal_supratidal| Whether using coastal or supratidal areas as habitat (0: no; 1: yes)       |
| Habitat_artificial_terrestrial | Whether using terrestrial artificial areas as habitat (0: no; 1: yes)     |
| Habitat_artificial_aquatic | Whether using aquatic artificial areas as habitat (0: no; 1: yes)           |
| Habitat_other              | Whether using other habitat types (0: no; 1: yes)                           |
| Habitat_unknown            | Whether using unknown habitat types (0: no; 1: yes)                         |
| ClutchSize                 | Mean clutch size                                                            |
| IncuPeriod                 | Mean incubation period (day)                                                |
| EggLength                  | Mean length of the long diameter of an egg (mm)                             |
| EggWidth                   | Mean length of the short diameter of an egg (mm)                            |
| BroodParasite              | Whether being a brood parasite (0: no; 1: yes)                              |
| NestStr_scrape             | Whether using a scrape nest (0: no; 1: yes)                                 |
| NestStr_platform           | Whether using a platform nest (0: no; 1: yes)                               |
| NestStr_cup                | Whether using a cup nest (0: no; 1: yes)                                    |
| NestStr_dome               | Whether using a domed nest with no tunnel (0: no; 1: yes)                   |
| NestStr_dome_tunnel        | Whether using a domed nest with a tunnel (0: no; 1: yes)                    |
| NestStr_primary_cavity     | Whether using a primary cavity nest (0: no; 1: yes)                         |
| NestStr_second_cavity      | Whether using a secondary cavity nest (0: no; 1: yes)                       |
| NestSite_ground | Whether using a nest built on the ground (0: no; 1: yes) |
| NestSite_tree | Whether using a nest built in/on trees (0: no; 1: yes) |
| NestSite_non_tree | Whether using a nest built on non-tree vegetation (0: no; 1: yes) |
| NestSite_cliff | Whether using a nest built on cliff or banks (0: no; 1: yes) |
| NestSite_underground | Whether using a nest built underground (0: no; 1: yes) |
| NestSite_waterbody | Whether using a nest built in water bodies (0: no; 1: yes) |
| NestSite_termite | Whether using a nest built in termite or ant nests (0: no; 1: yes) |
| NestAtt_basal | Whether using a nest with basal attachment (0: no; 1: yes) |
| NestAtt_forked | Whether using a nest with horizontally-forked attachment (0: no; 1: yes) |
| NestAtt_lateral | Whether using a nest with lateral attachment (0: no; 1: yes) |
| NestAtt_pensile | Whether using a nest with pensile attachment (0: no; 1: yes) |

**Data set name:** Column_descriptions.csv

**Download URL:** [http://doi.org/10.5281/zenodo.3749452](http://doi.org/10.5281/zenodo.3749452)

**Data format:** csv file

**Description:** Descriptions for the columns in the trait data table

| Column label | Column description |
| Column name | Name of the column |
| Trait: State | Names of the trait and trait state (if available), separated by a colon |
| Description | Description of the value in the column |
| Data type | Type of the data value (numeric, binary or character) |
| Units | Unit of the data value (if available) |

**Data set name:** Data_sources.csv

**Download URL:** [http://doi.org/10.5281/zenodo.3749452](http://doi.org/10.5281/zenodo.3749452)

**Data format:** csv file

**Description:** Data sources of individual data values used for calculating the values of six morphological and four breeding traits included in the data table. The number of data values and the calculation method are also provided.

| Column label | Column description |
| SISRecID | Taxonomic identifier used by BirdLife International |
A trait dataset for Taiwan’s breeding birds

| ScientificName | Scientific name following the HBW/BirdLife International version 4.0 |
|----------------|--------------------------------------------------------------------------------|
| ScientificName_CWBF | Scientific name used in the Checklist of Birds of Taiwan |
| TraitName | Name of traits |
| SampleSize | Number of data values used for calculating the mean and/or sd of trait values |
| Method | Method for obtaining the statistics of traits |
| DataSource | Source of individual data values |

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**Author contributions**

All authors collected and compiled the data. P-YT and M-NT wrote the paper with help from all the other authors.

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Supplementary material

Suppl. material 1: Source of individual data values for six morphological and four breeding traits 

Authors: Mao-Ning Tuanmu

Data type: Data source information

Brief description: The data sources of individual data values for each of the traits and for each species are provided in the "DataSource" column. Sources for individual data values for the same trait of the same species are separated by semicolons. Source information contains the data source and an individual identifier, which are separated by a dash. For the values extracted from the Avifauna of Taiwan, the source information includes the volume and page where the values were extracted and are shown following the prefix "Vol" and "P", respectively.

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