Supplement Figure 1: ERD of the database of BatScope4
**Supplement Figure 2**: Sequences, species range and recording location

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**Species**: Pipistrellus hespalius (4.56 s, 10), Pipistrellus pipistrellus (7.01 s, 20), Nyctalus noctula (1.50 s, 1)

**Map**: Recording location is marked in red on the map of Switzerland.
Supplement Figure 3: Tuning curves of classifier parameters

**KNN**
- Parameter: k
- Curves show lowest PPV, lowest sensitivity, and accuracy for different k values.

**RF**
- Parameter: mTry
- Curves show lowest PPV, lowest sensitivity, and accuracy for different mTry values.

**SVM**
- Parameter: log10(cost)
- Curves show lowest sensitivity and accuracy for different log10(cost) values.

**KKNN**
- Parameter: k
- Curves show lowest PPV, lowest sensitivity, and accuracy for different k values.

**NN**
- Parameter: size of hidden layer
- Curves show lowest sensitivity and accuracy for different sizes of hidden layer.

**QDA**
- Parameter: nPC
- Curves show lowest PPV, lowest sensitivity, and accuracy for different nPC values.