| **Table S1**. **EBV data categories used in our framework and its synonyms.** |
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| **data type** | **Definition** | **keywords** | **keywords type** |
| presence only | presence data (at coordinates or sampling units) | presence only | synonym |
| occurrence | synonym |
| specimen records | synonym |
| specimen | synonym |
| collection | synonym |
|  |  |  |
| presence-absence | both presence and absence data, usually at sample units (available from designed sampling, inventories, etc.) | presence-absence | synonym |
| sampling plot | methods |
| relative proportion | methods |
| inventory | methods |
| occupancy | methods |
| quadrat | methods |
|  |  |  |
| abundance | number of individuals found per sample unit | abundance | synonym |
| capture-mark-recapture | methods |
| relative proportion | synonym |
| percent cover | methods |
| camera-trap | methods |
| quadrat | methods |
| counts | methods |
|  |  |  |  |
| density | number of individuals of a given species that occurs within a given sample unit or study area (available from designed sampling, inventories, etc.). | density | synonym |
|  | quadrat | methods |
|  |  |  |  |
| distribution | species occurrence probability over contiguous spatial and temporal units | distribution | synonym |
| range | synonym |
| habitat suitability | synonym |
| niche | synonym |
| species distribution model | methods |
| EBV genetic analysis | genetic analysis related to one of the genetic EBVs: Intraspecific genetic diversity (richness and heterozygosity) - the variation in DNA sequences among individuals of the same species; Genetic differentiation (number of genetic units and genetic distance) - divergence in genetic composition (identity and frequencies of alleles) among multiple populations. |  |  |
| non-EBV genetic analysis | genetic analysis not related to one of the genetic EBVs (e.g. gut microbiome) |  |  |
|  |  |  |  |