A

Retrieval of CITES Species

1. Check if the user provides a local CITES database.
2. Download HTML page of CITES appendices.
3. Check if provided database is up to date.
   - If up-to-date:
     4. Extract species from appendices.
     5. List of CITES protected species and groups.
     7. Use TNRS to obtain species synonyms.
   - If outdated:
     6. For each species: Try to obtain the NCBI taxonomy ID.
        - If no ID is found:
          8. Local CITES database containing the CITES taxon IDs.

B

hts-barcode-checker

10. (Bulk) NCBI BLAST.
11. BLAST results.
13. Filtered set of BLAST results based on e-value, hit length and identity percentage and presence of blacklisted IDs.
15. Flag CITES species in the BLAST hits by comparing the taxon IDs to the local CITES database.
16. BLAST results with CITES species flagged.