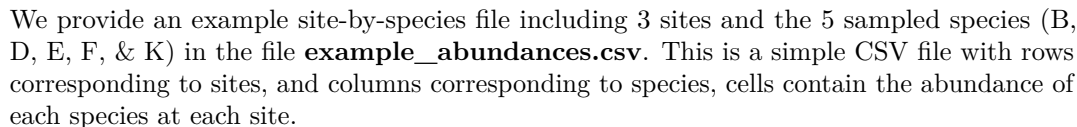


Here we provide example data for all the different data types we are interested in gathering for communities.

- An example tree in Newick format is in the file **example.newick**. Please note that trees can include both sampled and unsampled lineages (the example tree includes 7 lineages that were not sampled in the local community). The structure of the tree looks like this:



- Per location per taxon sequence data (including identical sequences).

Example sequence data is shown in the **fastqs/** directory, with one fastq file per site, including all sequences for all individuals sequenced at that site. We will use these sequences to calculate nucleotide diversity per species per site.

- Sequence data need to be matched to species and sites. We include an example file called **example\_pops.csv** which does this. This is CSV where each row contains 3 items, the sample id (which should match the sample name in the fastq files), the species ID (which should match the ID in the newick tree), and the sample site (which should match the site name in the abundances file).

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sample_ID	species	site
B_2_1	B	site1
B_3_1	B	site1
B_4_1	B	site1
D_0_1	D	site1

- Site metadata file

We need to know a few things about sites, most importantly their geographic locations, and hopefully also something about sampling methodology such as area, effort, sampling technique. The included example file **site\_metadata.csv** refers to arthropod pitfall trapping as an example.

site	lon	lat	method	duration
site1	-155.5134	19.23092	pitfall	5 days
site2	-155.5167	19.23250	pitfall	5 days
site3	-155.5155	19.23053	pitfall	5 days