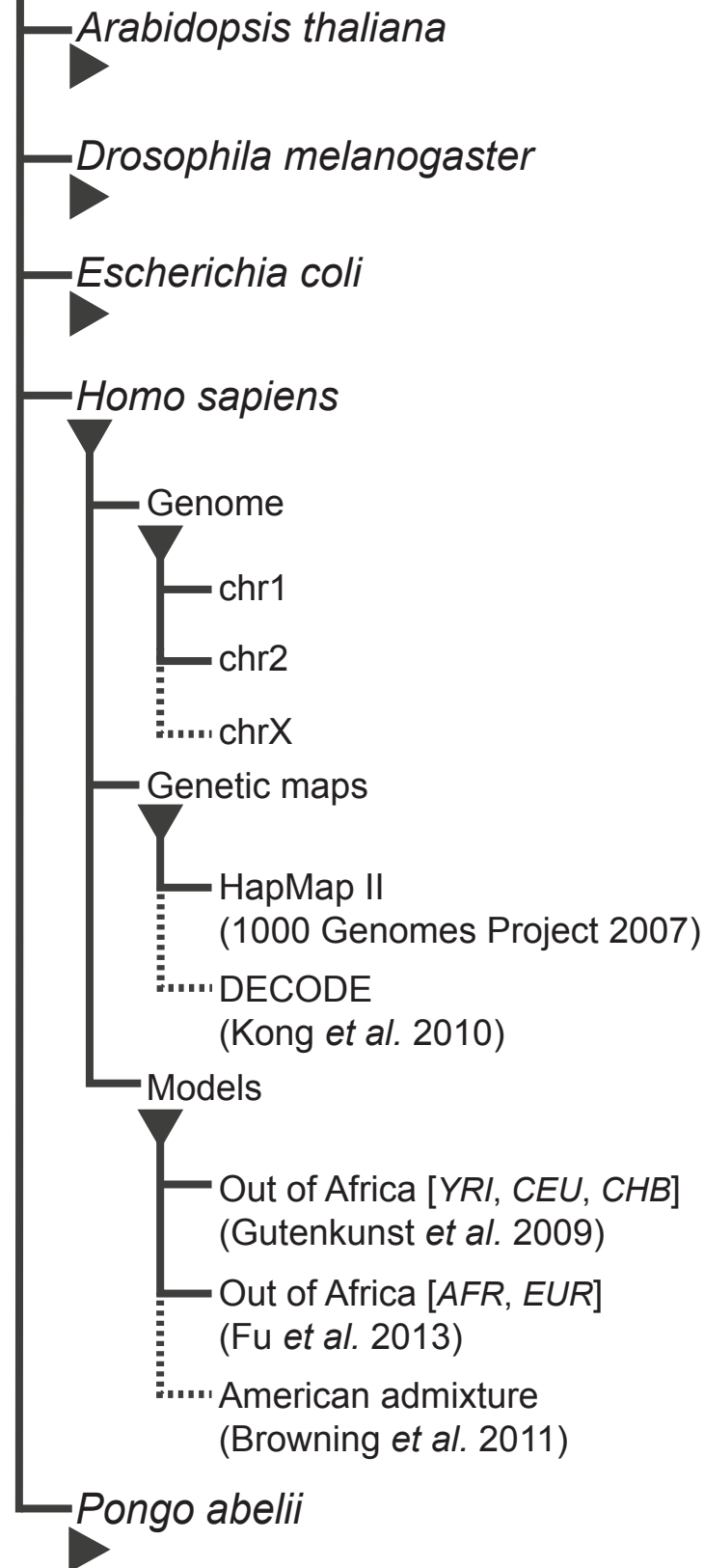
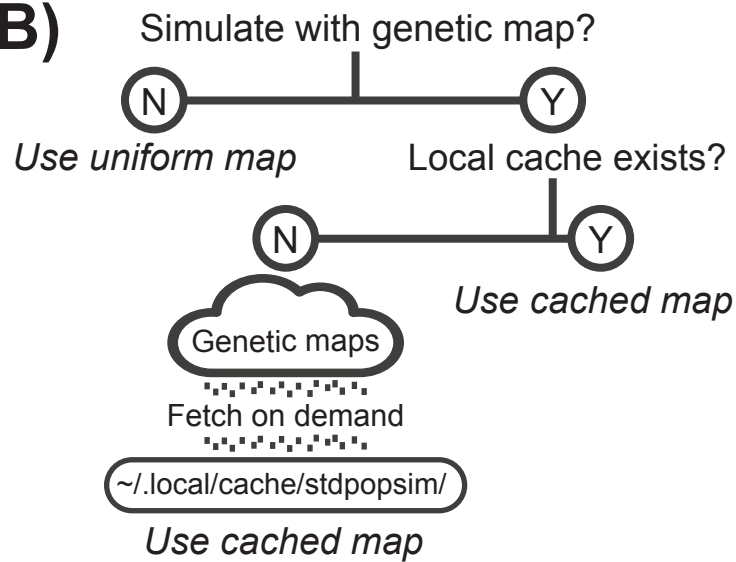


(A)

Species catalog

**(B)****(C)**

Python API

```

example.py
1 import stdpopsim
2
3 species = stdpopsim.get_species("HomSap")
4 contig = species.get_contig(
5     "chr22", genetic_map="HapmapII_GRCh37")
6 model = species.get_model("OutOfAfrica_3G09")
7 samples = model.get_samples(10)
8 engine = stdpopsim.get_default_engine()
9 ts = engine.simulate(model, contig, samples)
10 print("simulated:", ts.num_trees, ts.num_sites)
  
```

Command Line Interface

```

$ stdpopsim HomSap
--seed 12345
--chromosome chr22
--genetic-map HapmapII_GRCh37
--model OutOfAfrica_3G09
--output simulation.trees 10 10
  
```

(D)