



**B** 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_demographic_model(
7     "OutOfAfrica_3G09")
8 samples = model.get_samples(10)
9 engine = stdpopsim.get_engine("msprime")
10 ts = engine.simulate(model, contig, samples)
11 print("simulated:", ts.num_trees, ts.num_sites)
```

**C** Command Line Interface

```
$ stdpopsim
--engine msprime
HomSap
--seed 12345
--chromosome chr22
--genetic-map HapMapII_GRCh37
--demographic-model OutOfAfrica_3G09
--output simulation.trees 10 10 10
```