

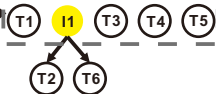
Suppose there are 6 terminal cells (prefixed by "T") in the real lineage.

Before any coalescence, they are all candidates (boxed) for the next coalescence



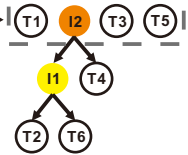
Randomly pick two from these six candidate cells and coalesce (they become sister cells)

Now there are 5 cells, including 4 terminal cells and 1 internal cells (prefixed by "I"), as candidates for the next coalescence



Randomly pick two from these five candidate cells and coalesce (they become sister cells)

Now there are 4 cells as candidates for the next coalescence



Finally, we have a randomly generated lineage containing all the six terminal cells

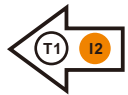
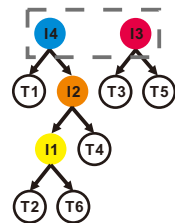
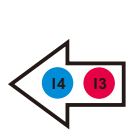
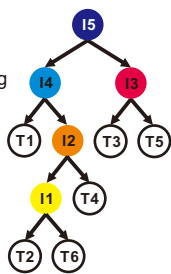


Figure S2