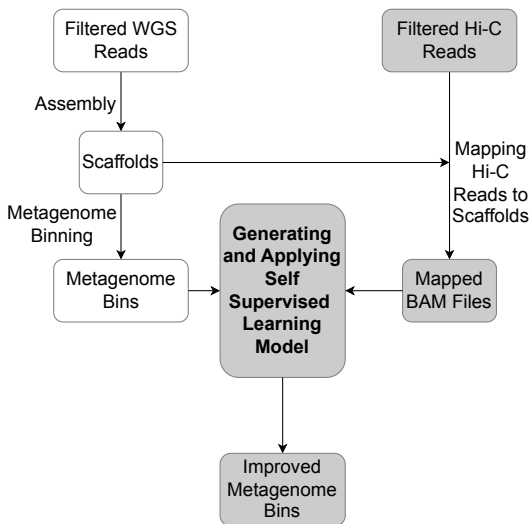
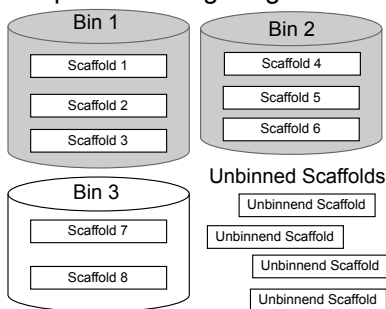
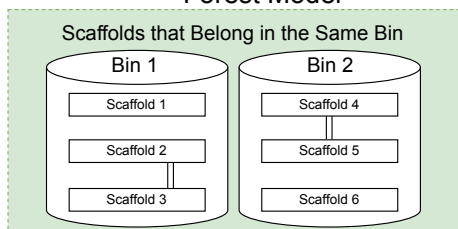
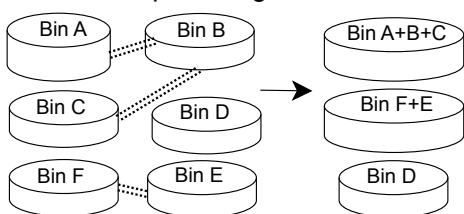
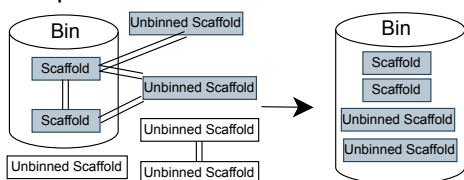


**A****B****Step 1: Selecting Largest Bins****Step 2: Generating Random Forest Model**

**Balanced Random Forest Training Dataset**

Scaffold 2	Scaffold 3	Features
Scaffold 4	Scaffold 5	Features
Scaffold 1	Scaffold 4	Features
Scaffold 3	Scaffold 5	Features

**Step 3: Merge Bins****Step 4: Recruit Unbinned Scaffolds****Scaffolds that Do Not Belong in the Same Bin**