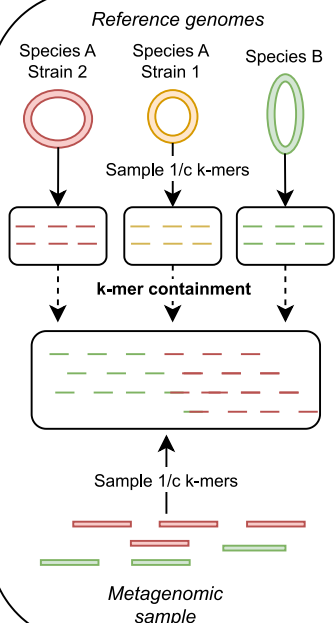
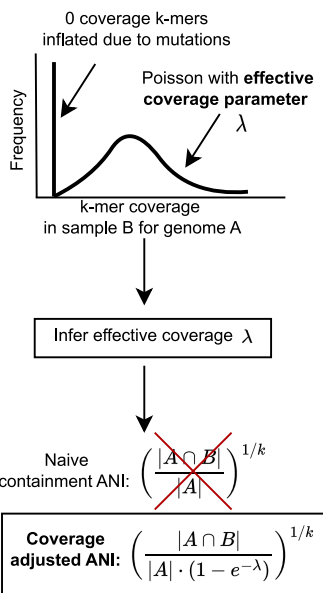
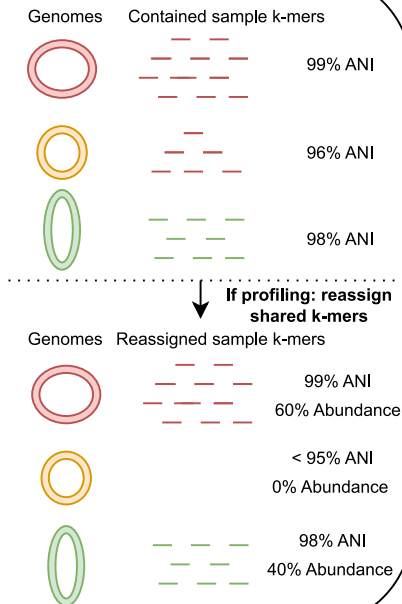
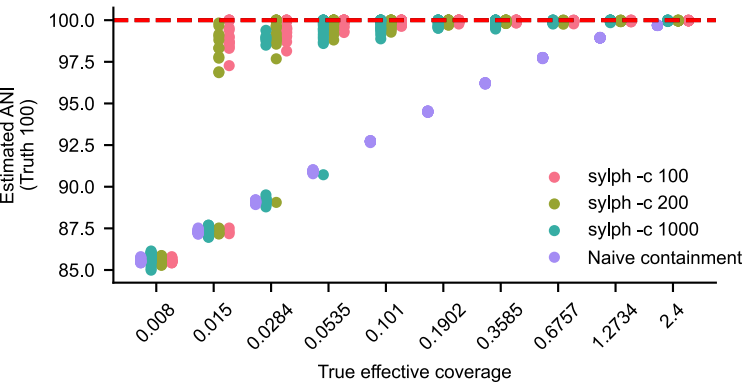


**A**

(1) Sketching k-mers and containment



(2) Compute coverage-adjusted ANI for every genome independently

(3) Top - ANI querying (sylph **query**)  
Bot - Metagenomic profiling (sylph **profile**)**B****C**