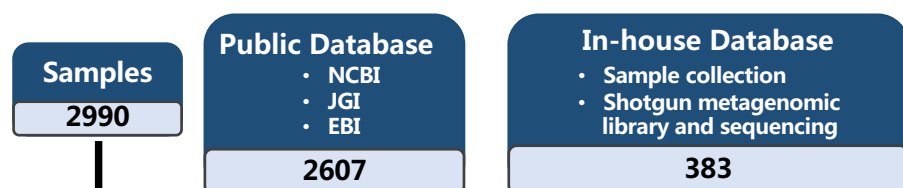
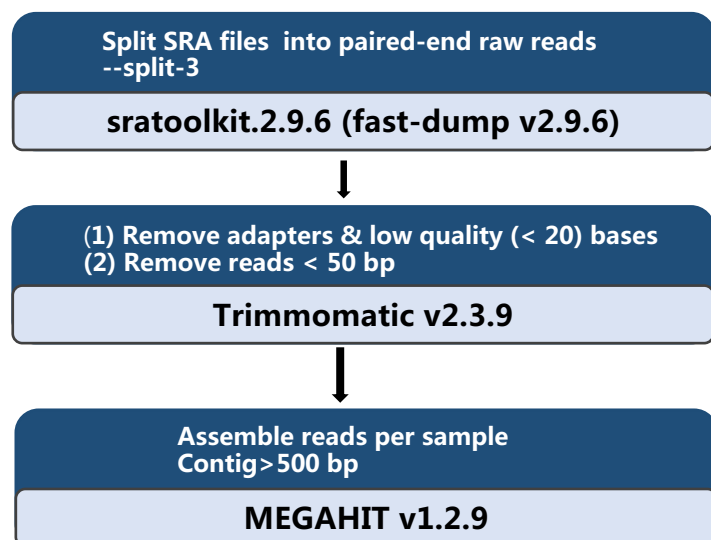


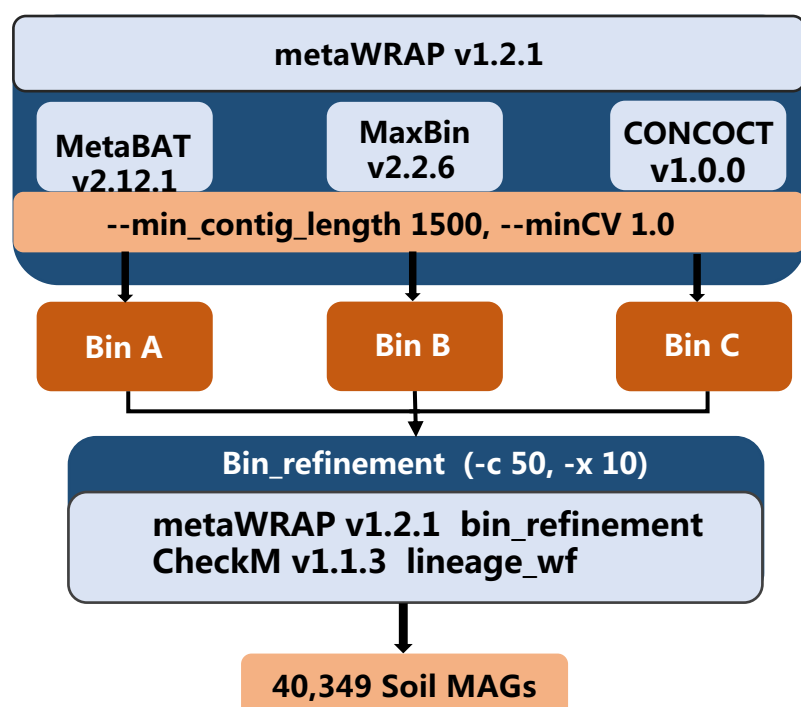
## A. Database



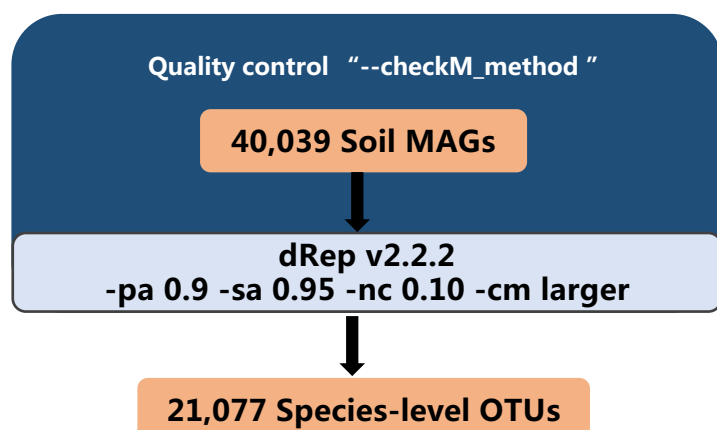
## B. Quality control & Assembly



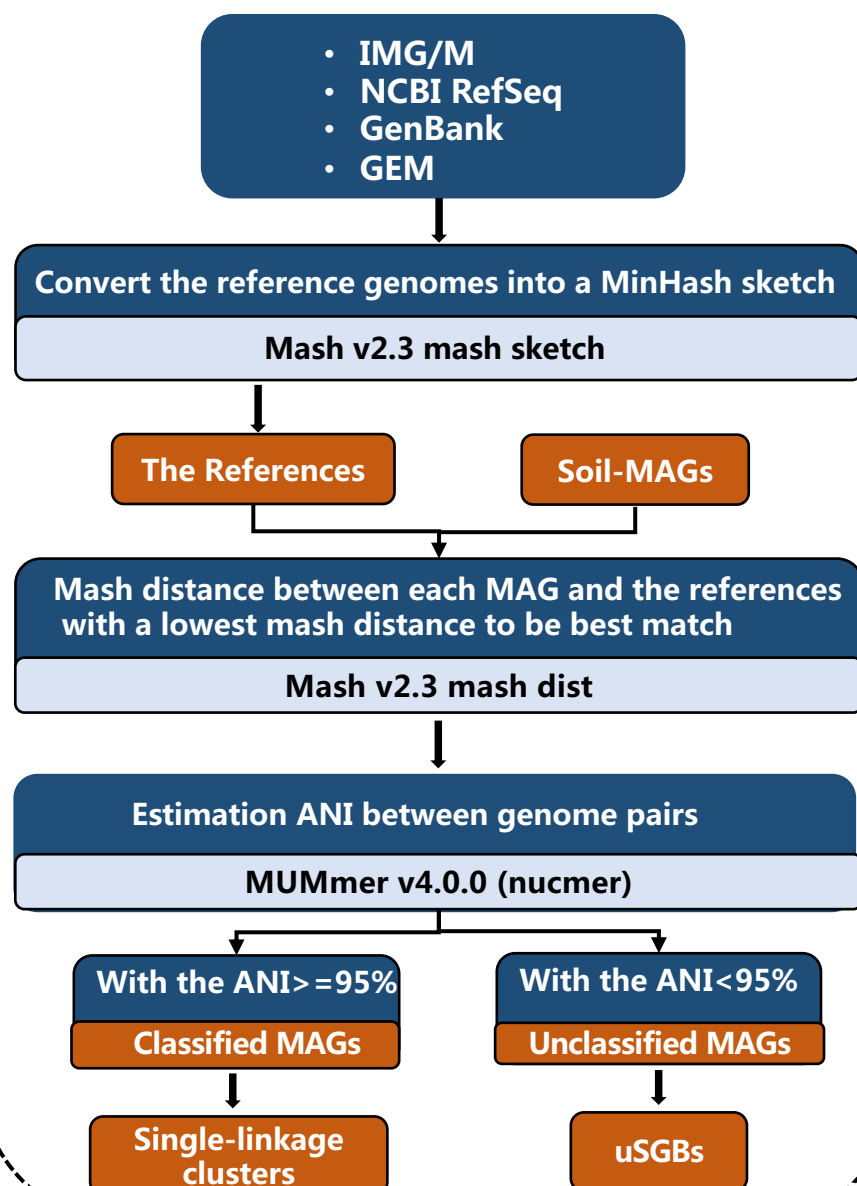
## C. Binning & bin\_refinement



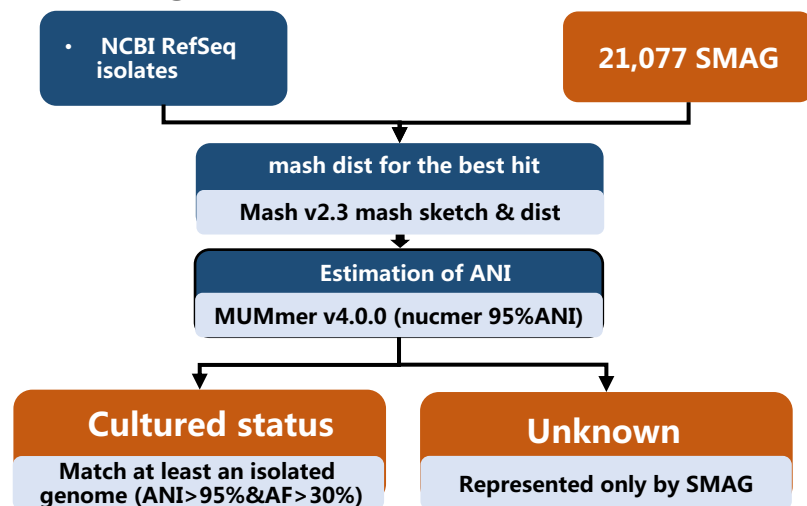
## D. Clustering MAGs into species-level OTUs



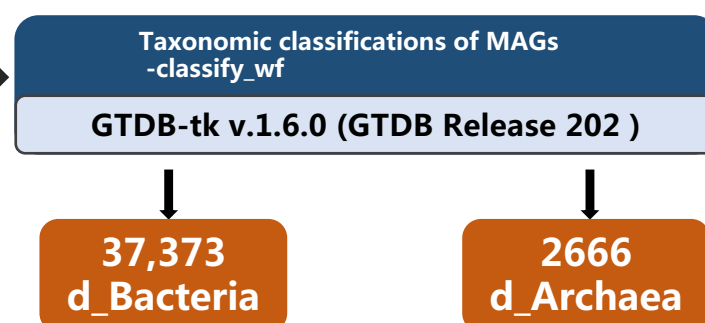
## E. Assignment of MAGs to reference databases



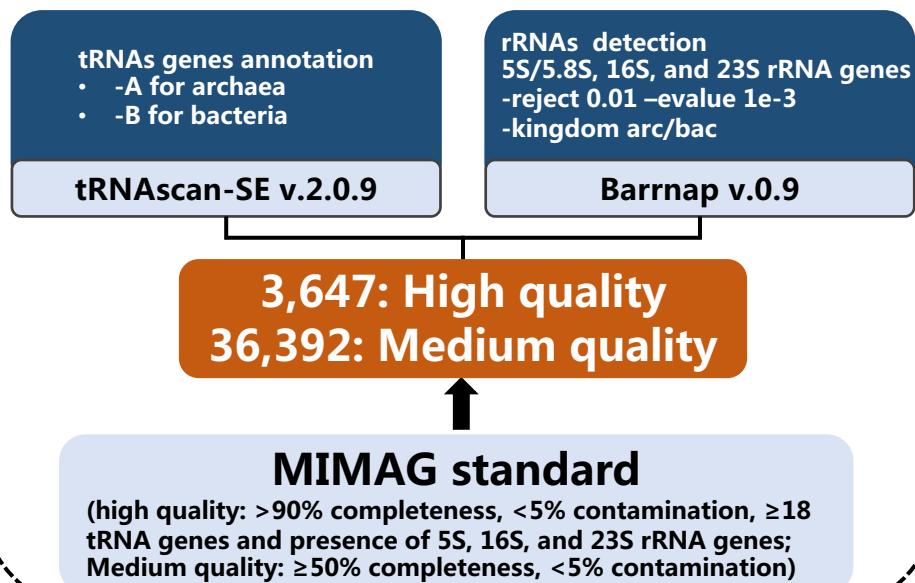
## F. Inferring unknown and cultured status



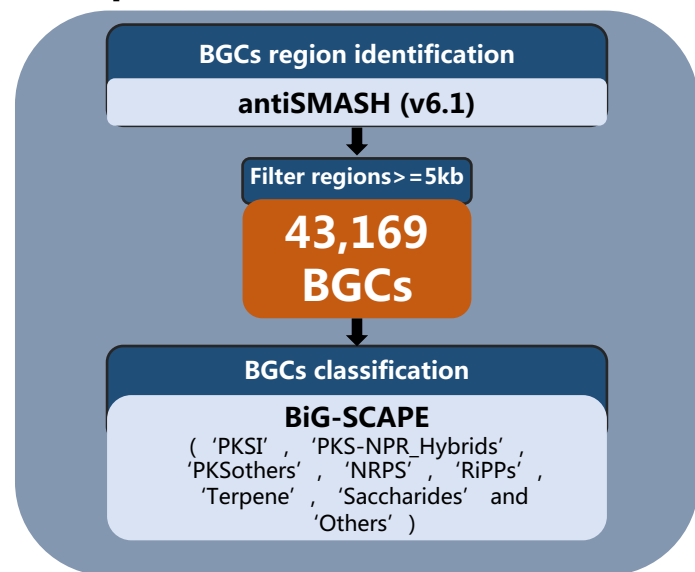
## G. Taxonomic annotation



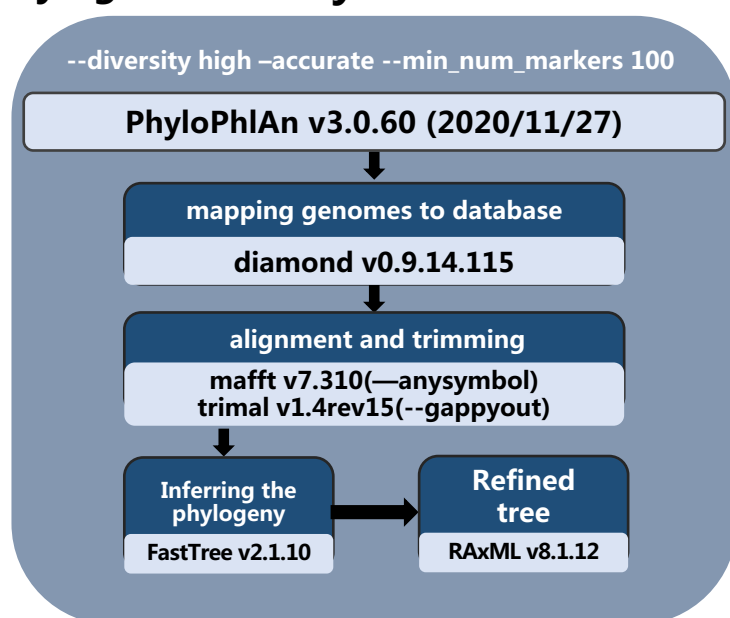
## H. rRNAs and tRNA annotation



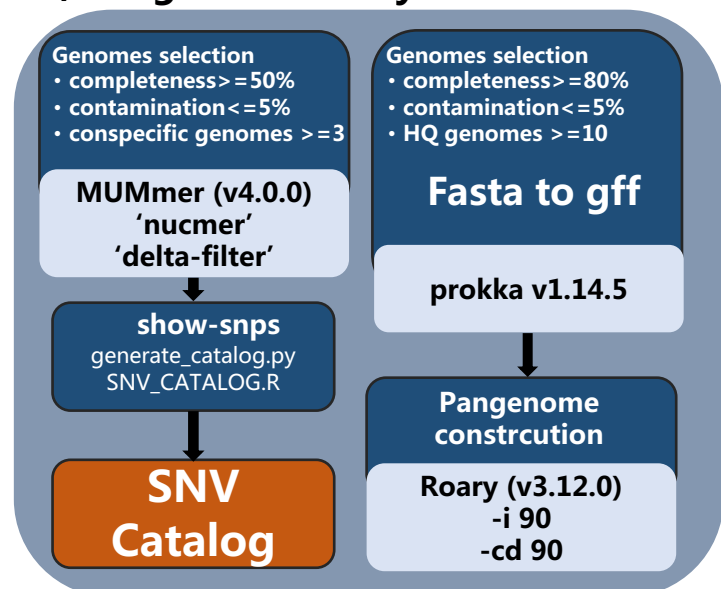
## K. BGCs prediction



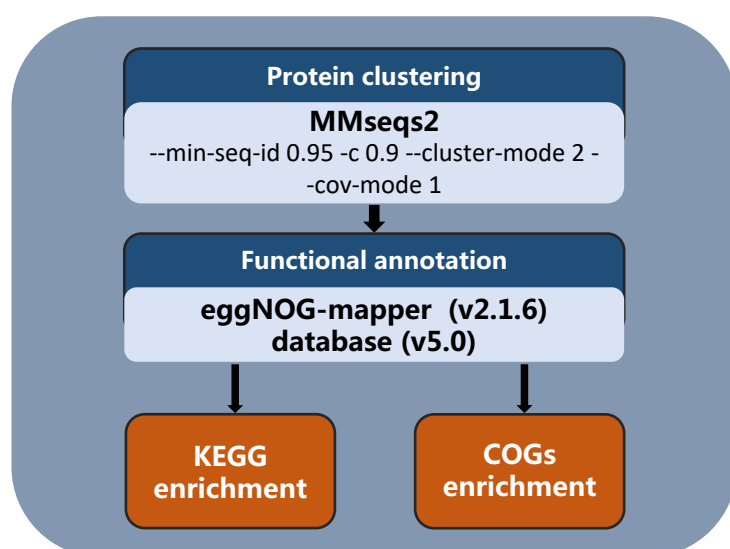
## I. Phylogenetic analysis



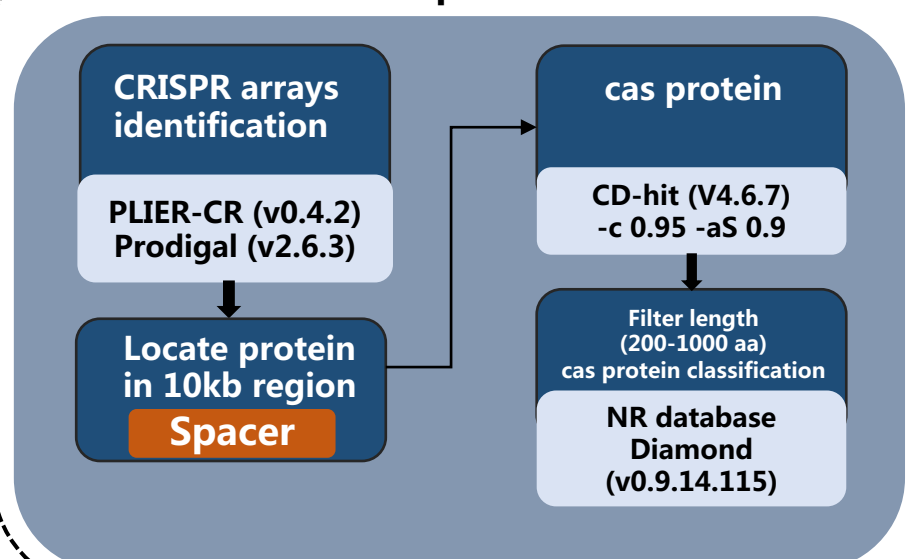
## L. SNV, Pangenome analysis



## J. Functional annotation



## M. CRISPR and cas protein



## N. Connecting MAGs to viruses

