

# Metagenome Assembly

**QS > 50% (CheckM2)**

MAGs

**Novelty Analysis  
(skANI)**

**ANI < 95%**

**ANI ≥ 95%  
& QS > ref.**

Novel  
MAGs

Better  
MAGs

Improved  
database

Samples

**Community  
composition  
(Sourmash gather)**

Sample Containment

Species  
Abundance Matrix

Diversity analyses