This study

Biofilm samples

Community shotgun sequencing

Assembly

Composed from
combined UBA+UBA BS:

Unassigned sequences

Composite genomes

Cultivation and sequencing of F. acidarmanus
Allen et al. '07

Edwards et al. '00

Fer1

Marx

Assembly

Fragment all sequences (e.g. 5 kb)

5-way Tyson et al. '04

ARMAN2

ARMAN4

ARMAN5

Fragmentation using tetranucleotide frequency

Identification of unassigned sequences

actinobacterium

plasmid

Composite genomes

136 unique tetranucleotides

Cluster sequence fragments by tetranucleotide frequency

emergent self-organizing map

Unassigned sequences

Evaluate binning accuracy