



Abstract

The connections between species in refseq93.edge.tsv are illustrated in this poster. Two species is assumed to be bonded in case there is a link between two genomes in each species. The graph was performed by Cytoscape with the yFiles Organic Layout.

Results

The graph shows the relationships between species. Any species connects to each other if there is at least a pair genomes with Mash distance ≤ 0.05 in each node.

There is a large cluster on the left top corner, in which there are many different species.

Tools

Computer: iMac (Retina 5K, 27-inch, 2019)
Processor 3 GHz Intel Core i5
Memory 8 GB 2667 MHz DDR4

Cytoscape: 3.7.1

Method

The genomes were initially clustered into separated and isolated clusters, before reducing the number of edges between them by removing the links between genomes in the same species. Then, the number of considerable edges dropped to a reasonable figure for running on Cytoscape.

