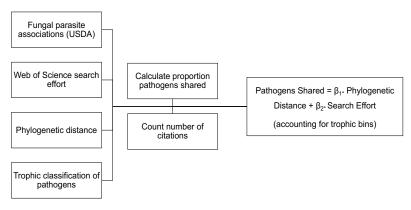
## A Data collection and workflow



**C** Phylogenetic distance tree (make tree plot)

## **D** Pathogen sharing index

**E** Search effort by genera

