ancestral

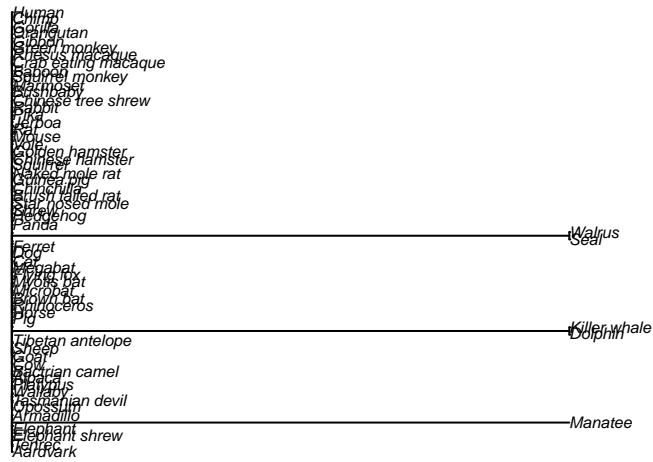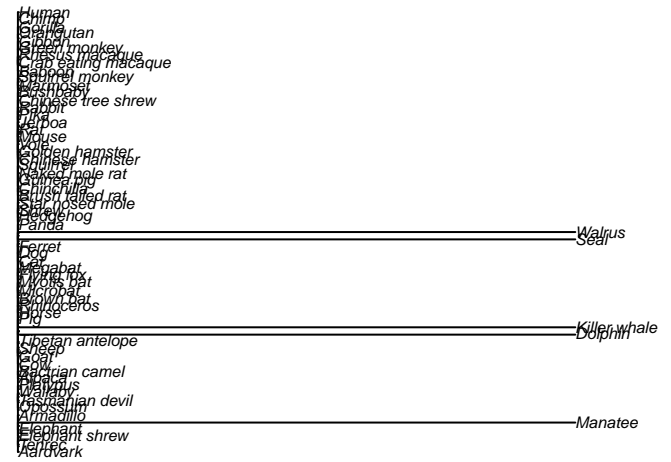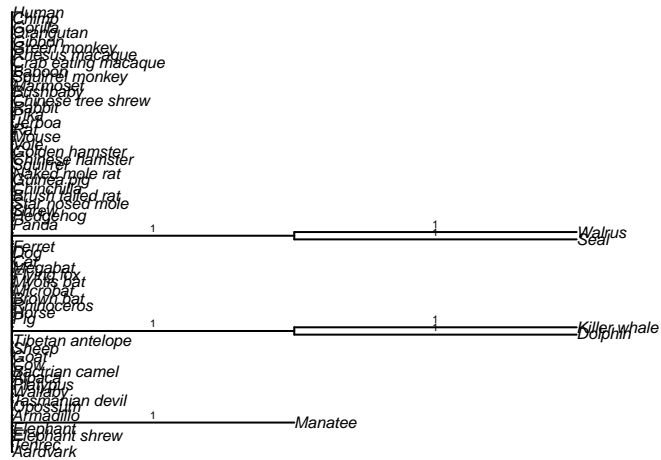## terminal

all unweighted

all weighted