Euclidean distance distribution
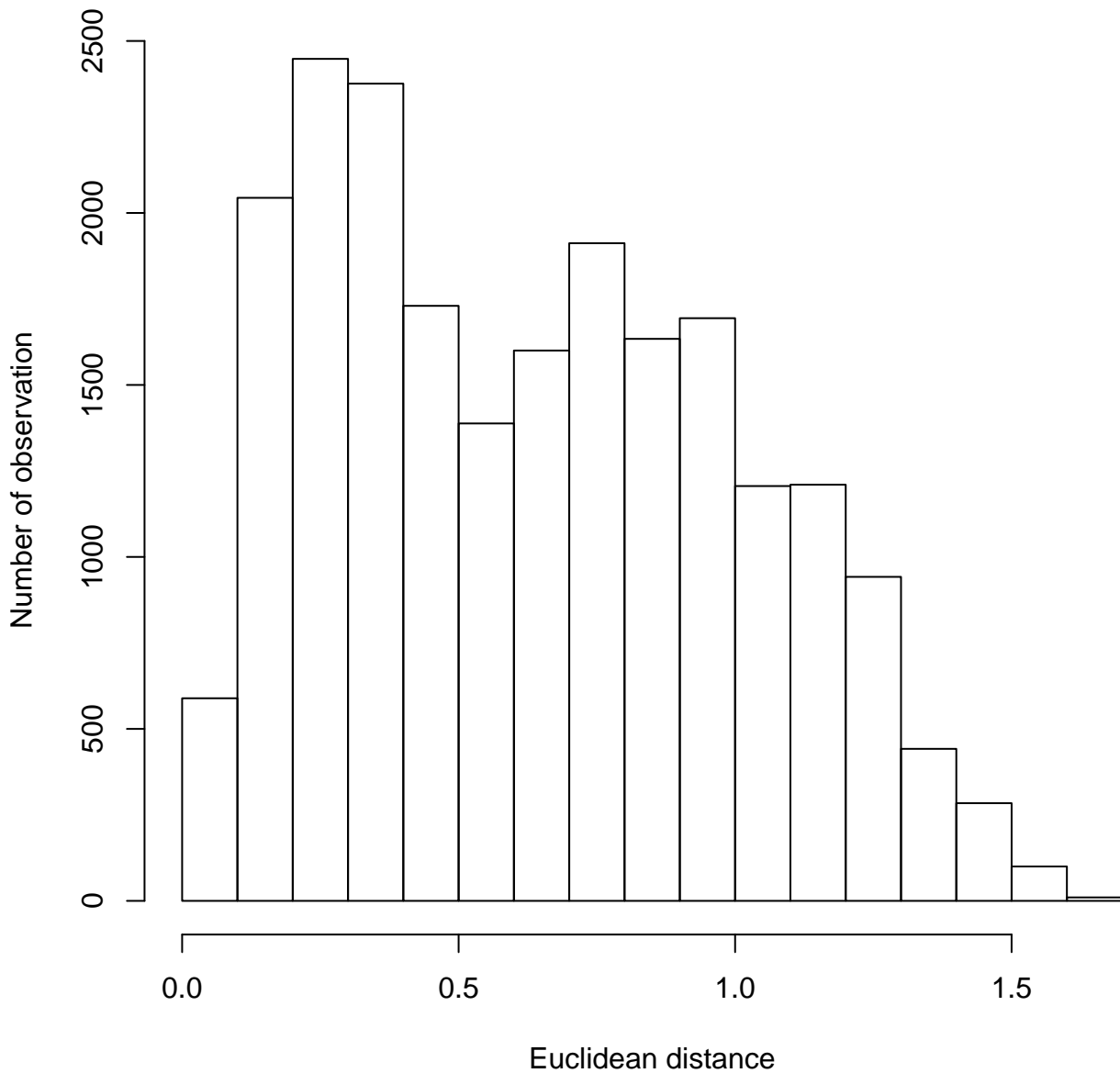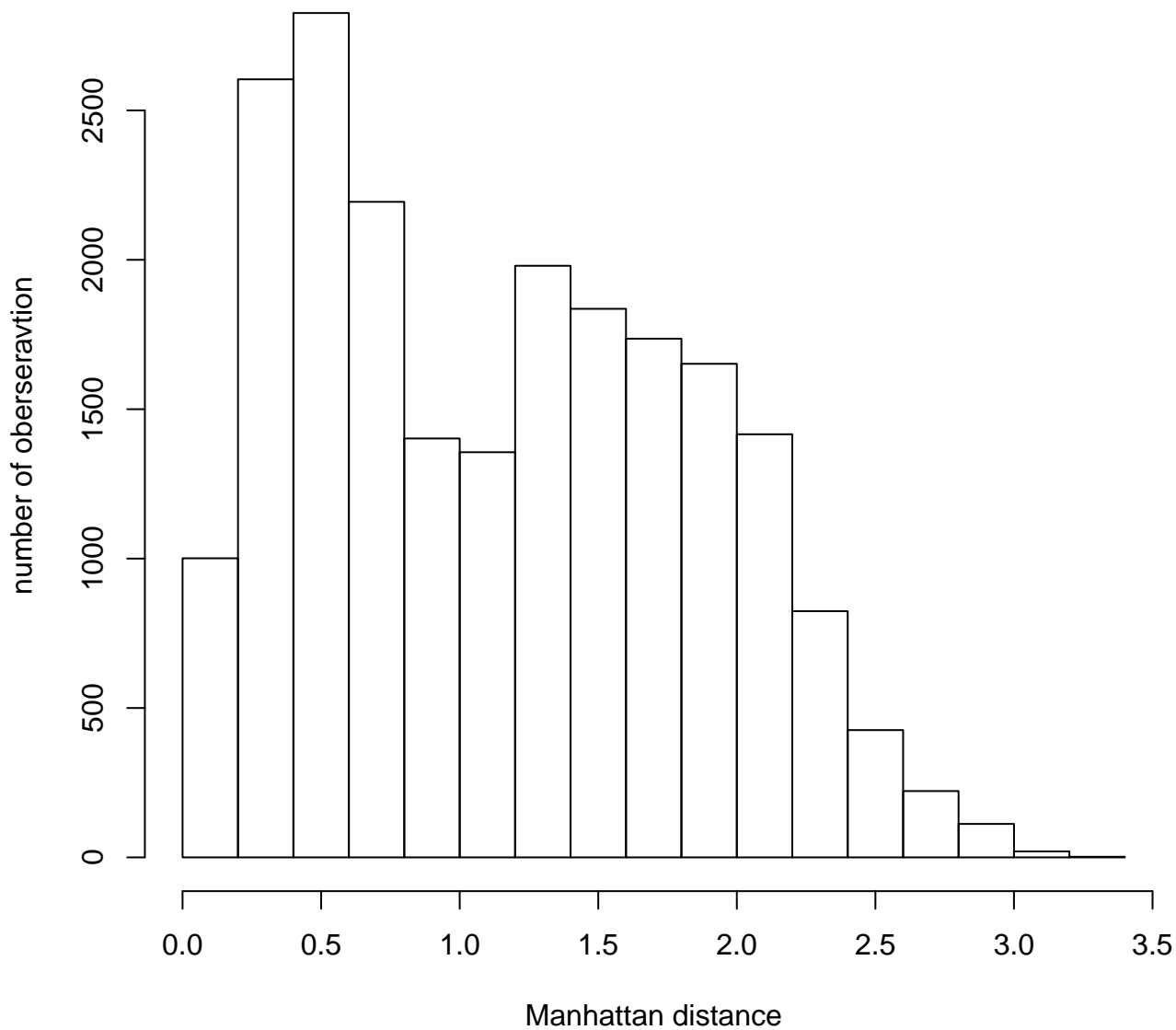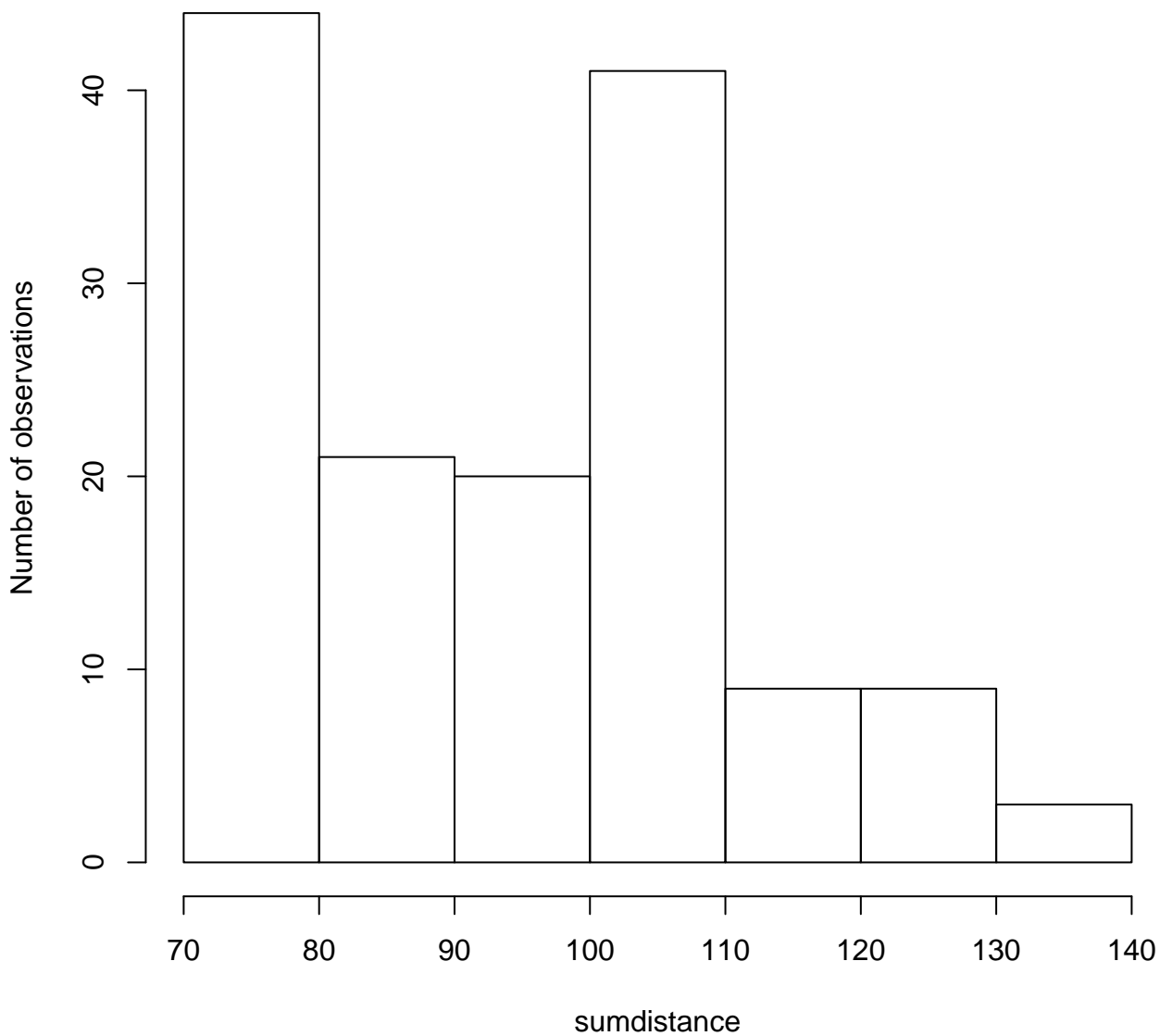
Manhattan distance distribution

Euclidean distance

Manhattan distance