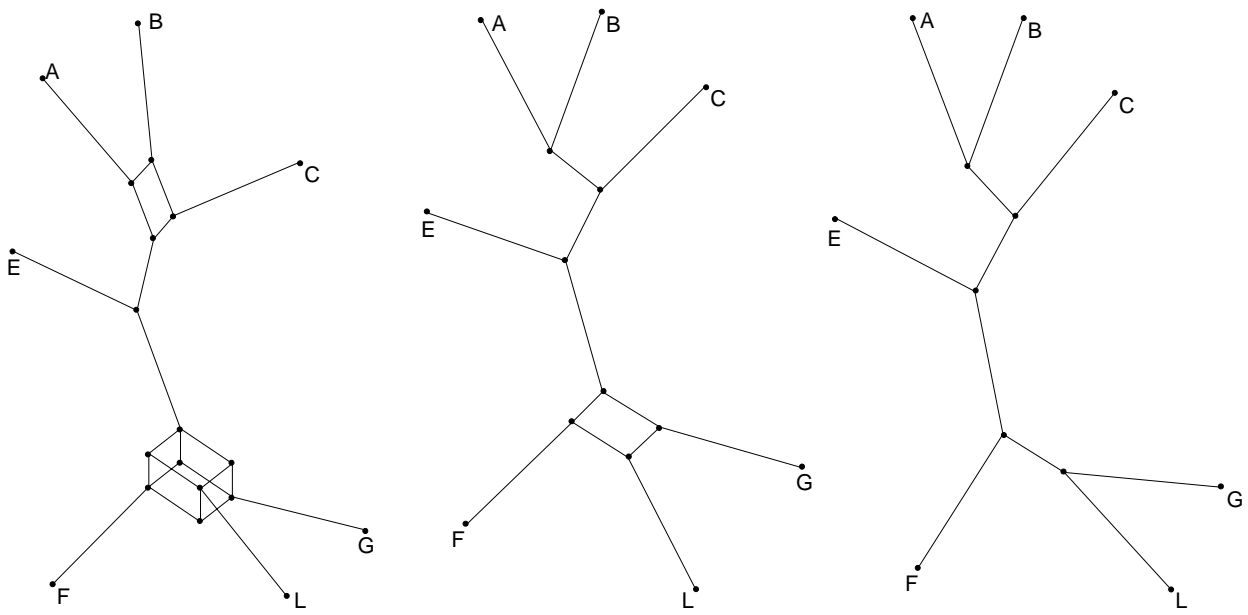


Threshold = 0.05

Threshold = 0.1

Threshold = 0.15



Threshold = 0.2

Threshold = 0.25

Threshold = 0.3

**Additional data file 8.** Consensus networks of collection of 106 optimal ML trees from the 106 genes with complete set of seven species applying the threshold of 0.05, 0.1, 0.15, 0.2, 0.25 and 0.3, respectively. Letters (A to L) are the same to those in figure 1.