

Unaligned sequences (input)



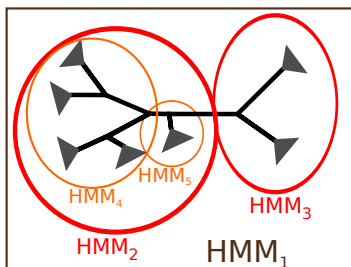
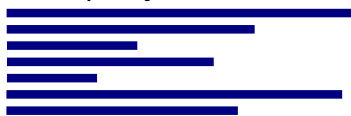
Randomly selected backbone



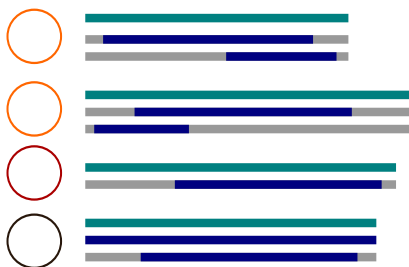
Backbone alignment and tree



Remaining sequences (query set)



Alignment of query sequences to the best scoring model



Final merged alignment of all sequences

