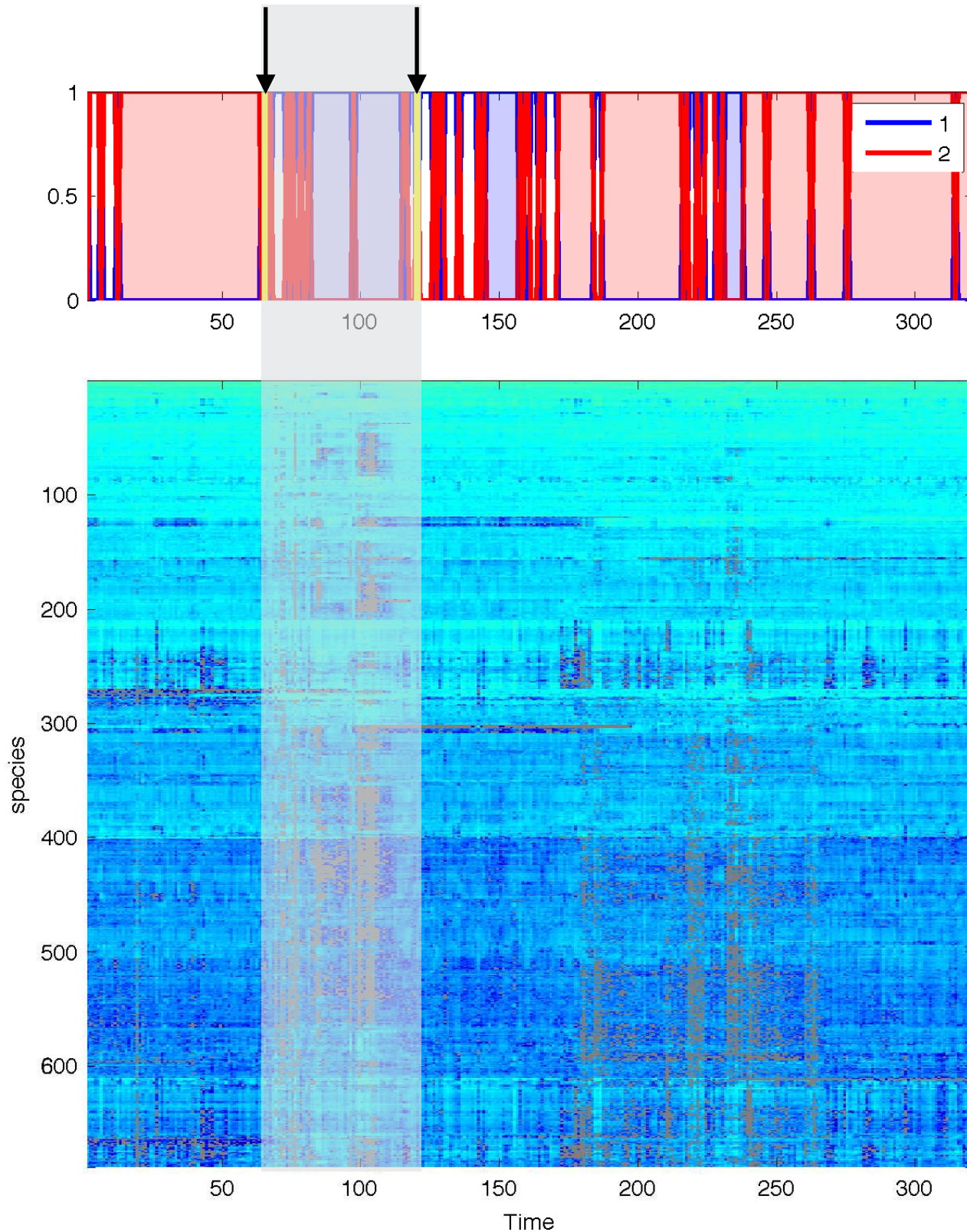
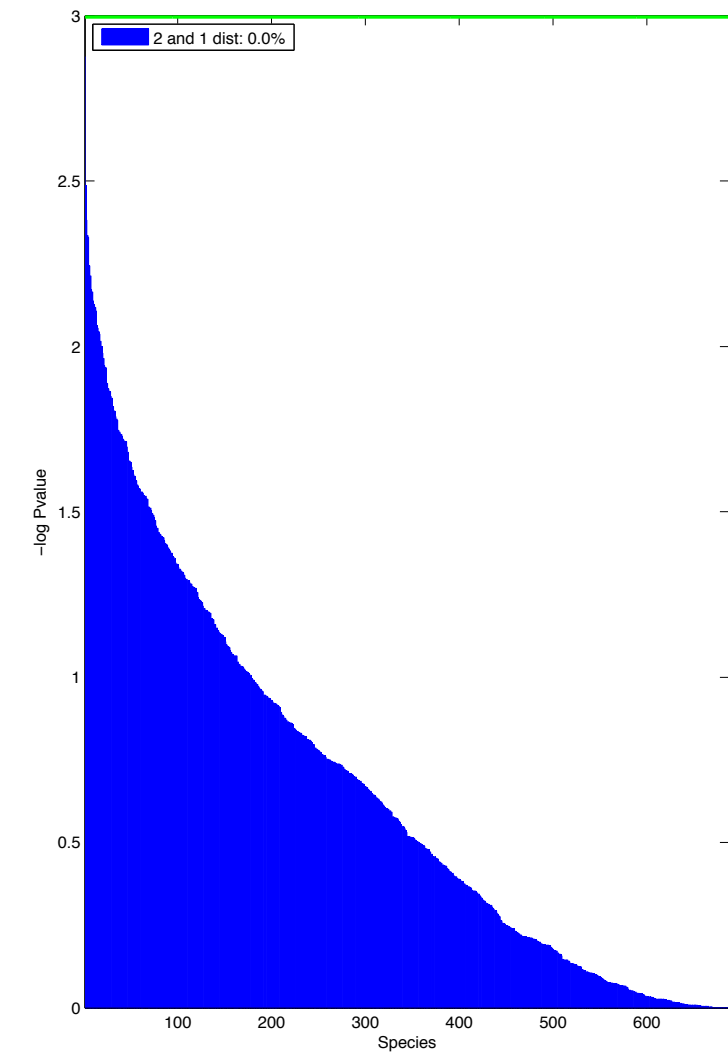


# Patient A

Select hidden state K=2



What is the distance between those two states?  
The different states are not statistically significant

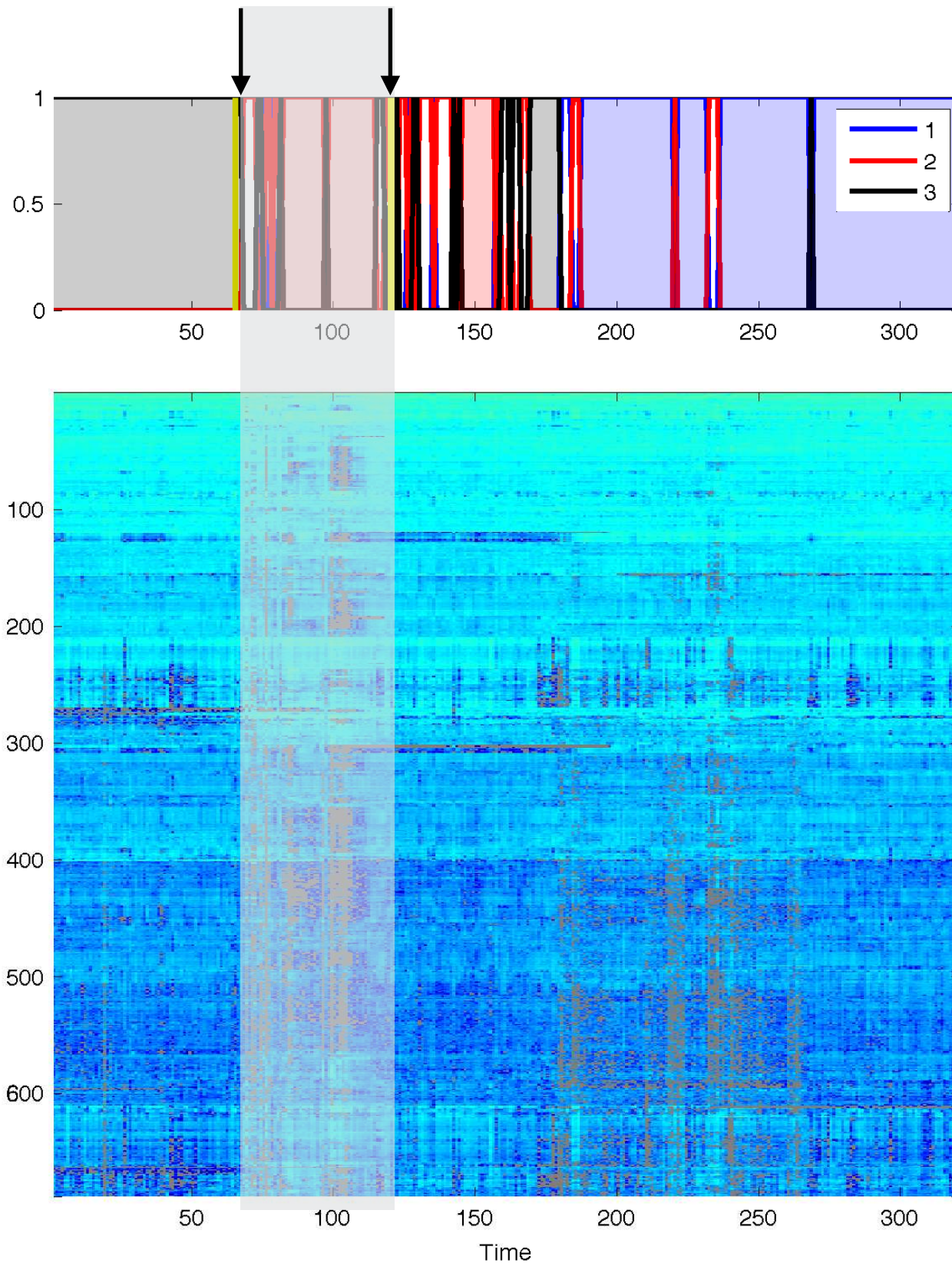


1-2 no statistical  
significance.

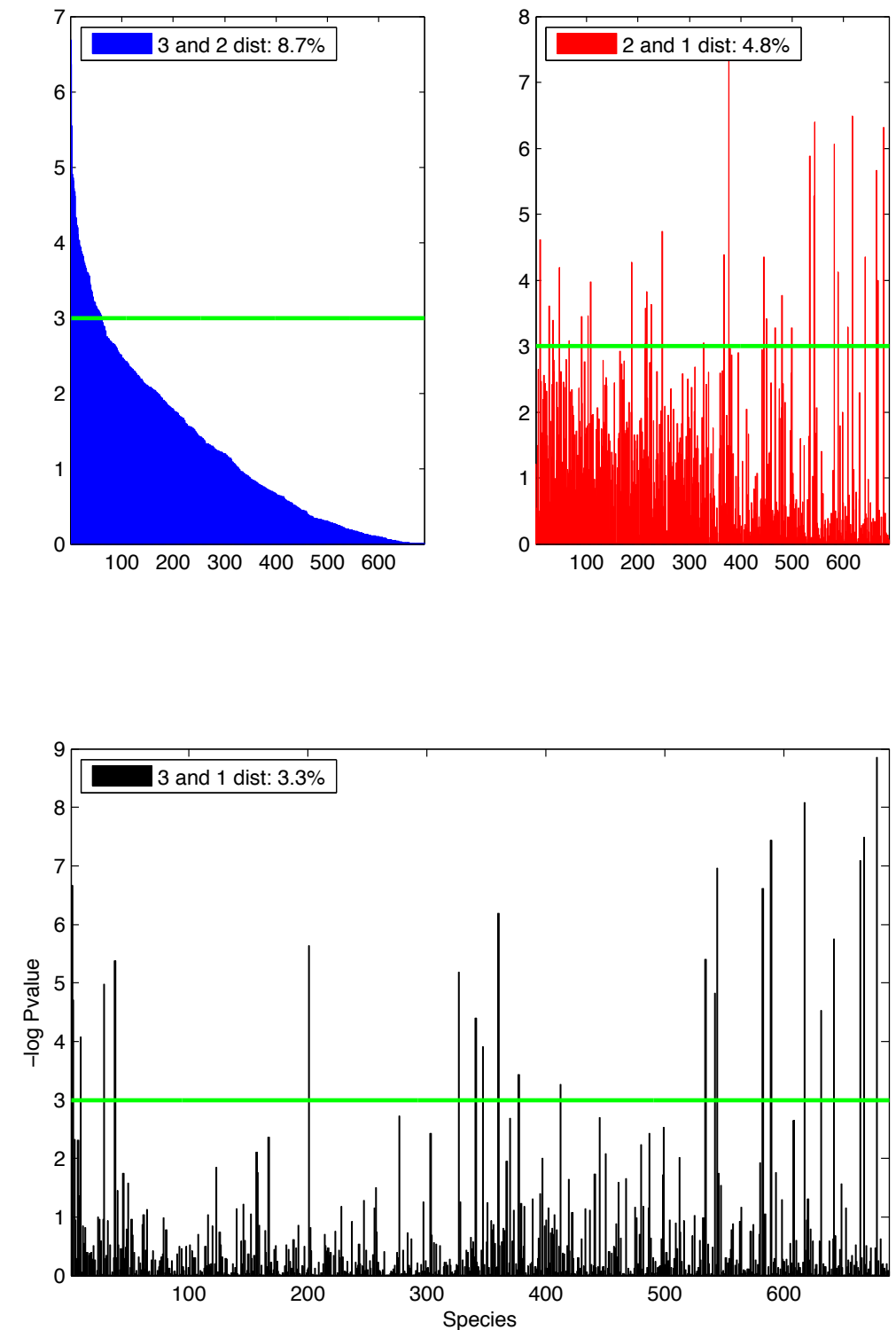


# Patient A

Select hidden state K=3



Do we see a significant new state?



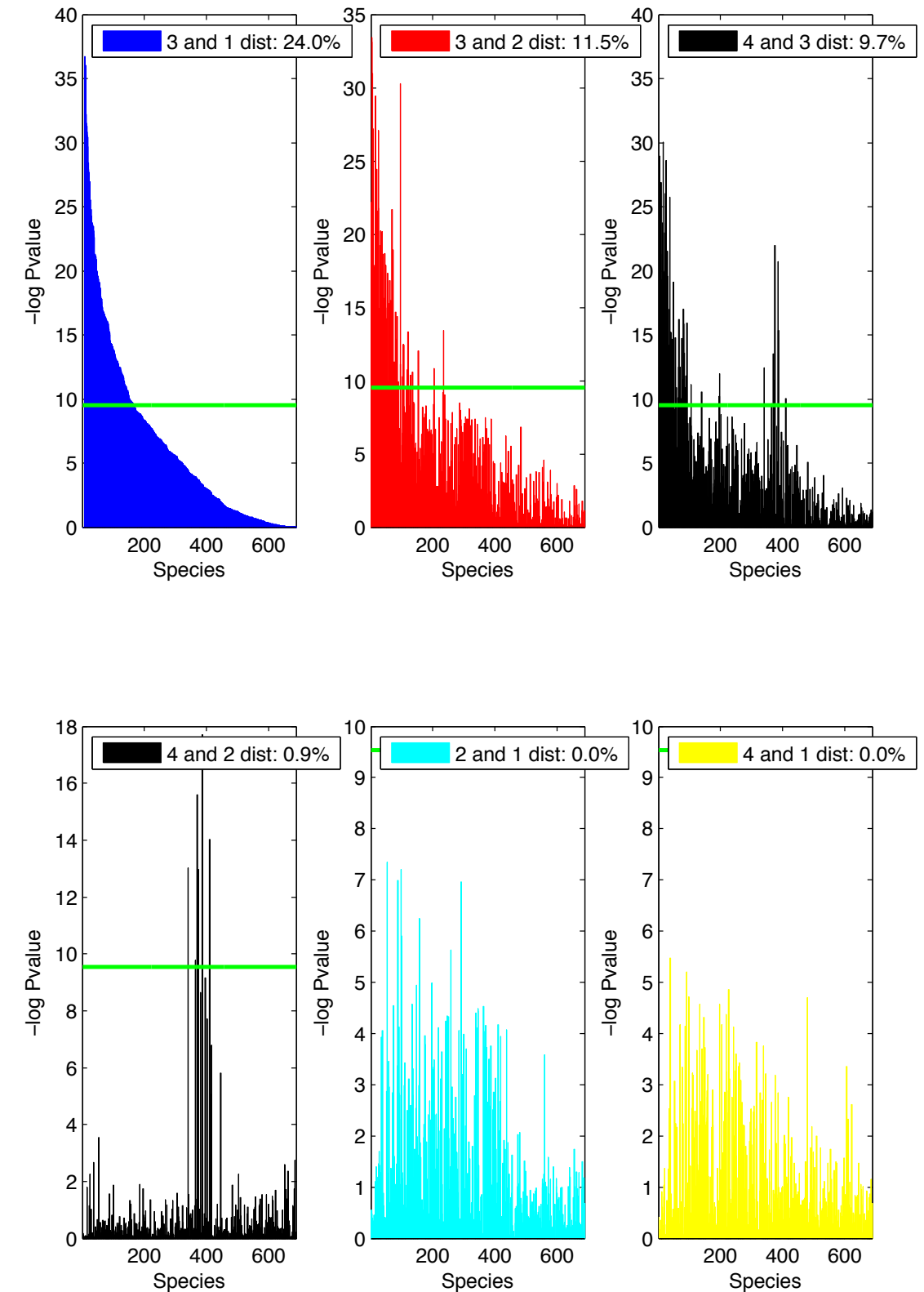
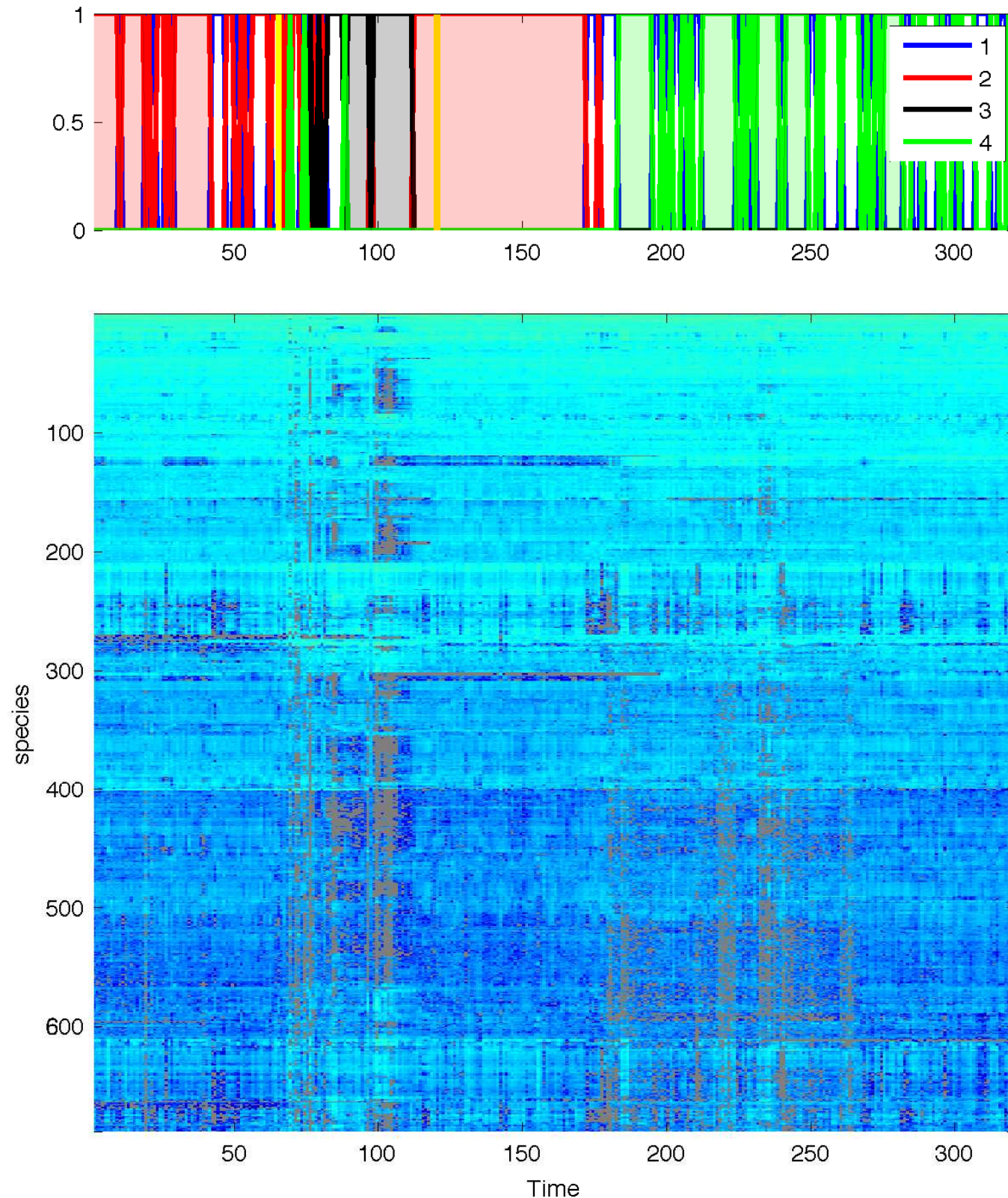
3-1 more similar than 3-2 and 1-3: recovery.



# Patient A

Select hidden state K=3

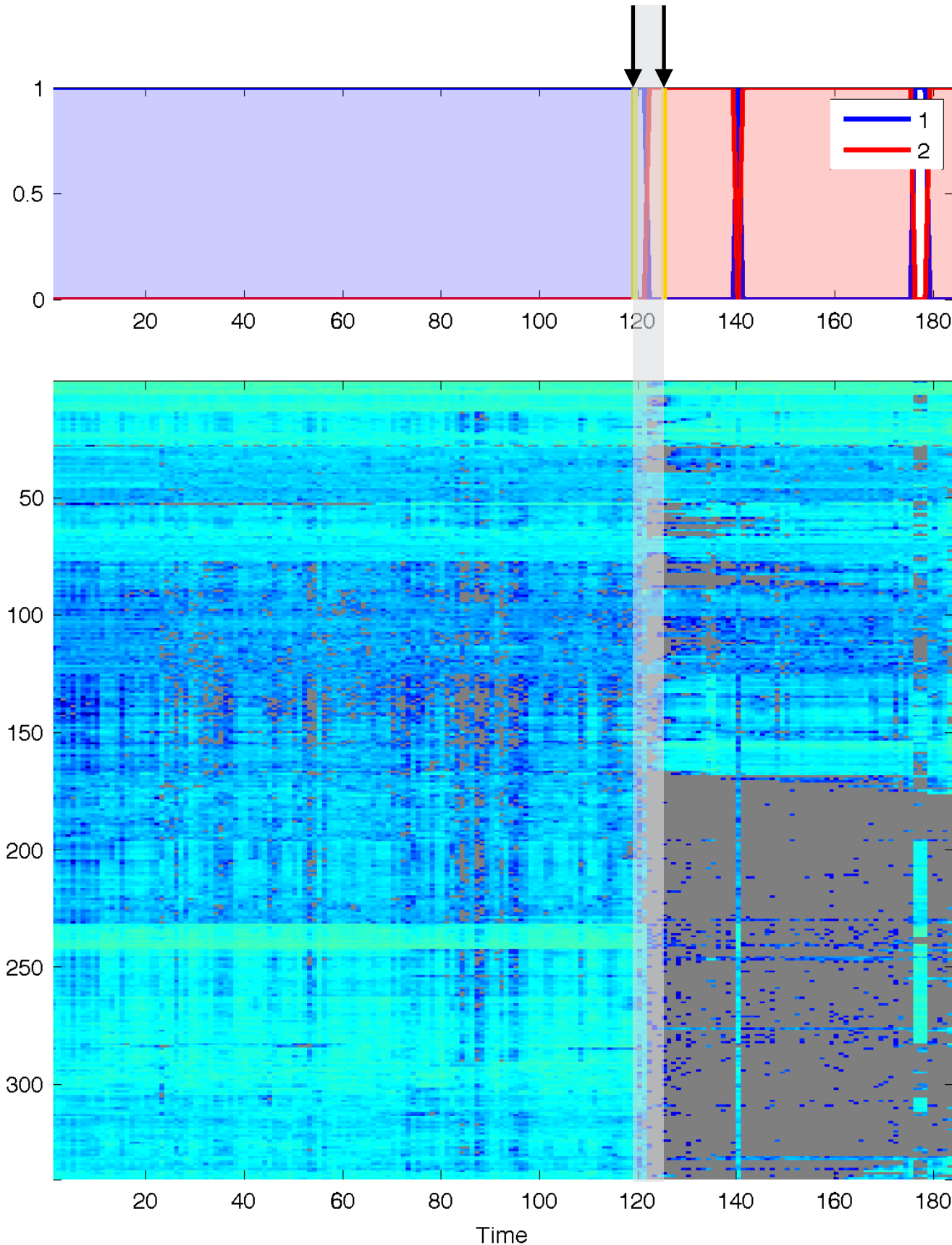
Do we see a significant new state?



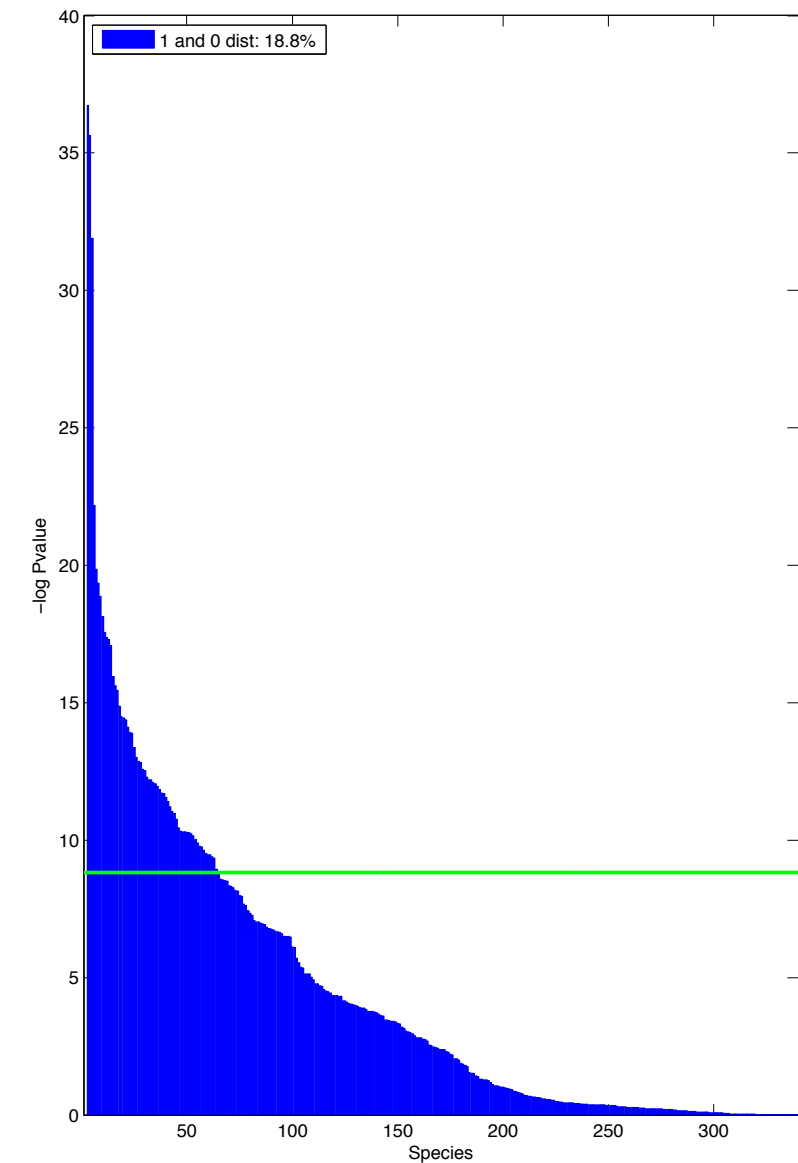
3 perturb state and 1-4-2 very similar.

# Patient B

Select hidden state K=2



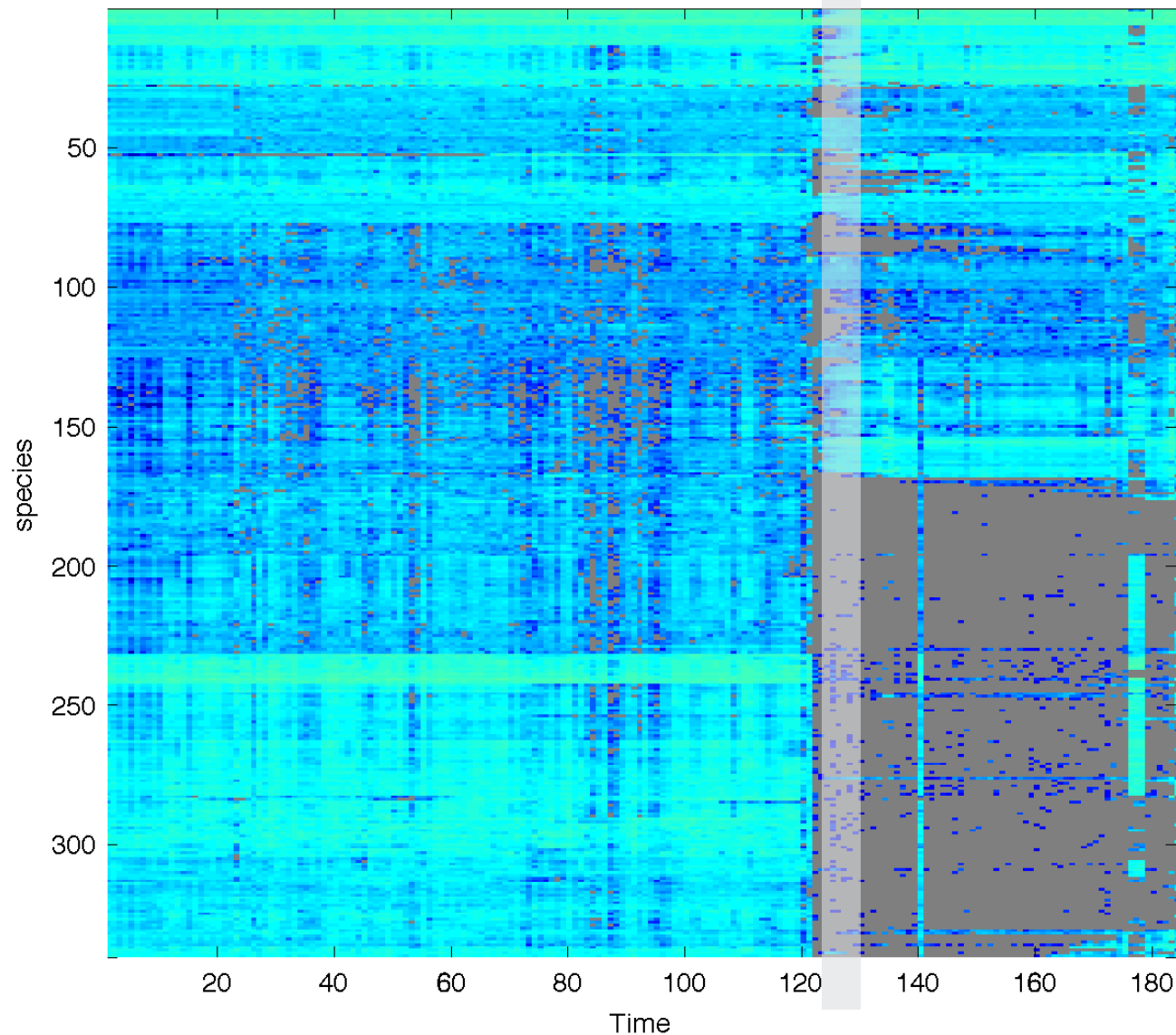
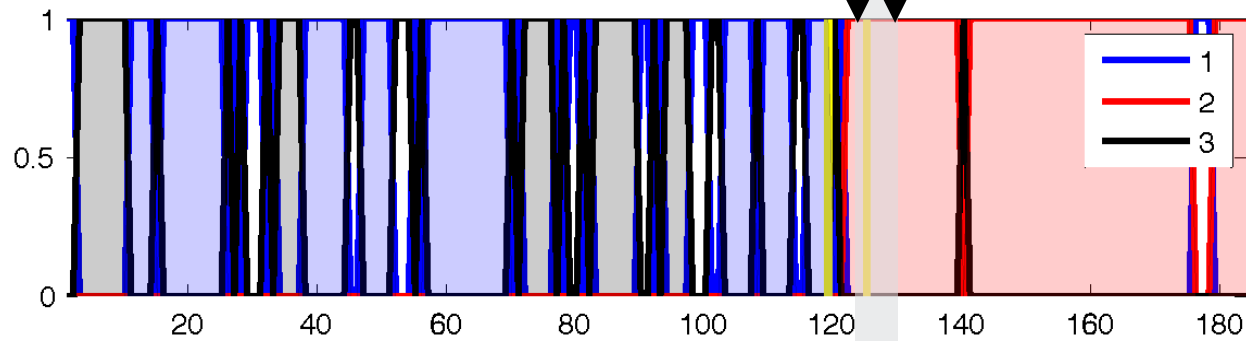
What is the distance between those two states?  
18% of the species statistically changed



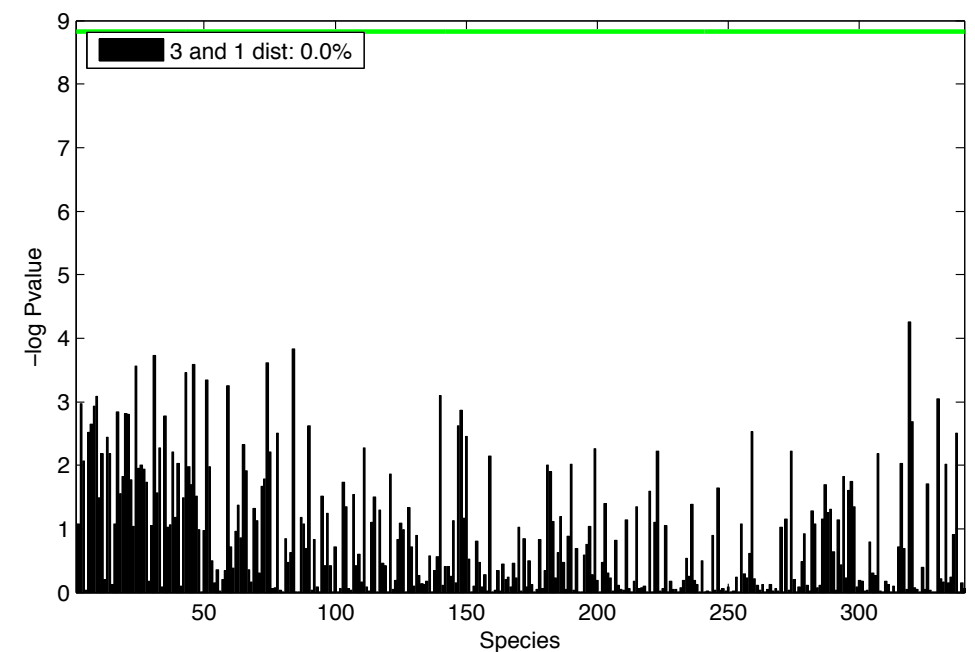
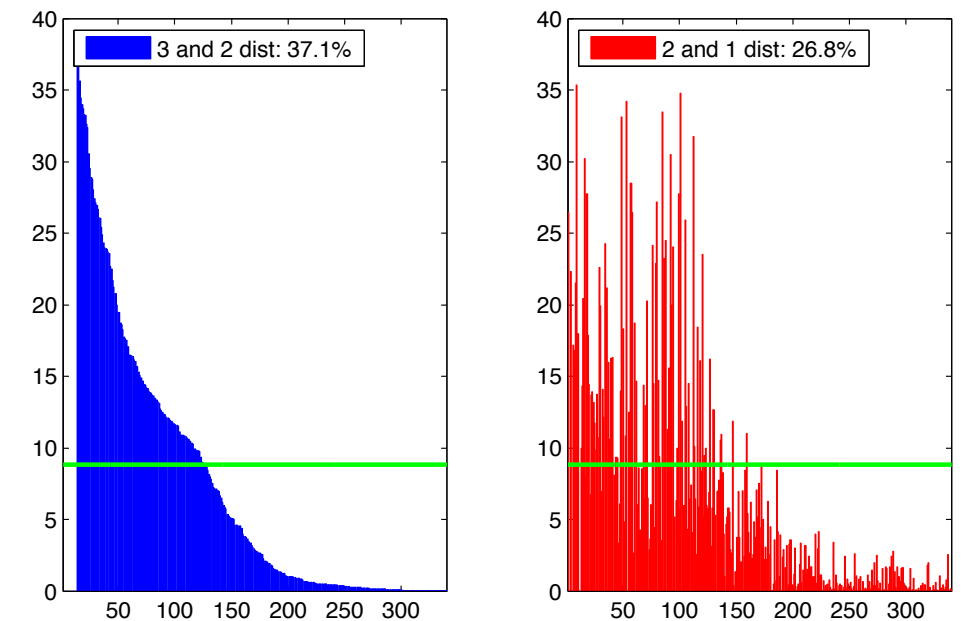
We can identify the 18%  
species that significantly  
vary: no recovery

# Patient B

Select hidden state K=3



Is there a “new” state? Check their distance in terms of species composition



The states 3 and 1 are no statistically different: K=2 is satisfactory: no recovery confirmed