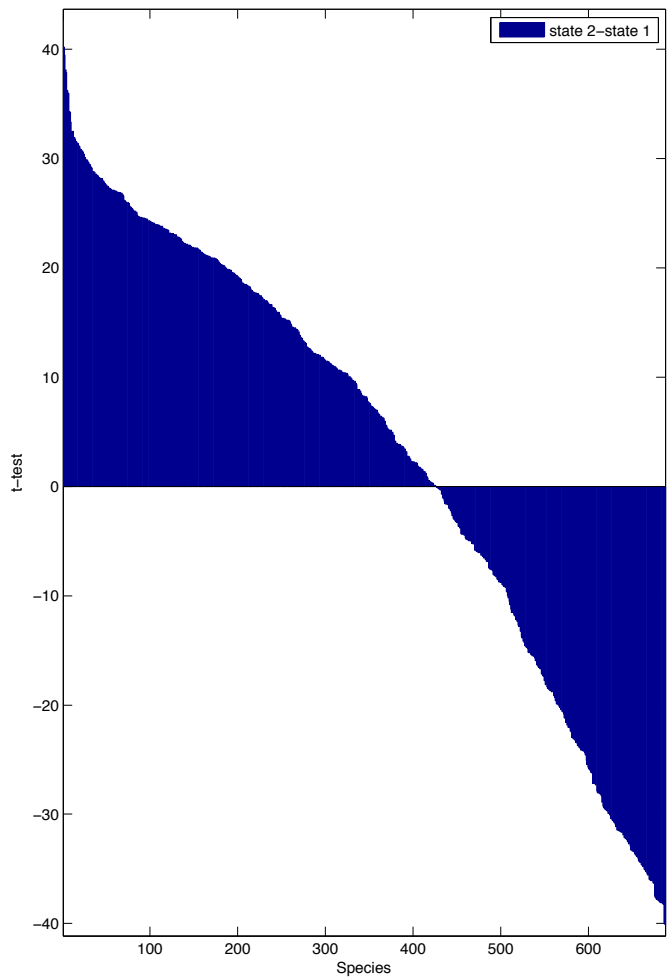
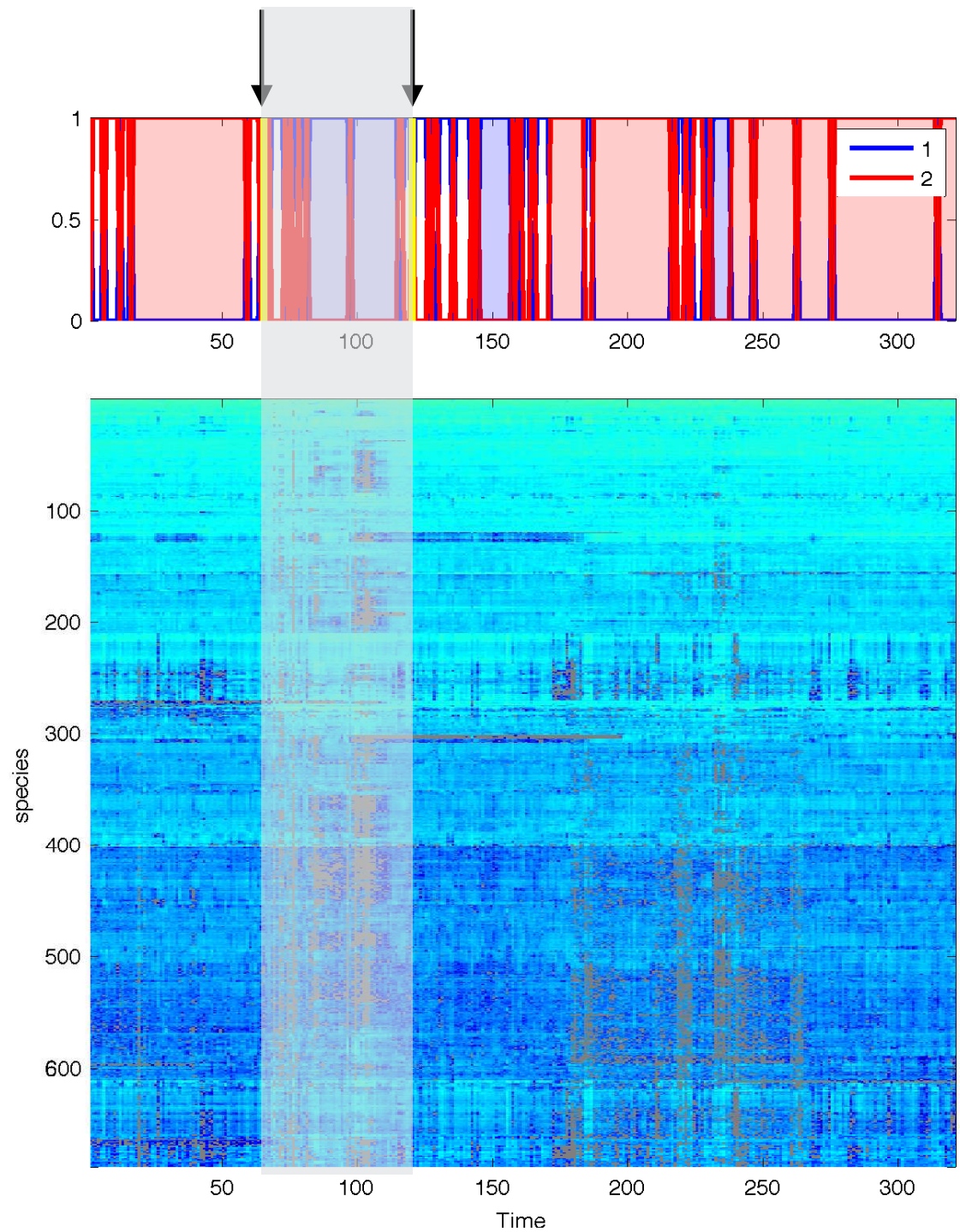


Select hidden state K=2

Patient A

Which are the species that vary the most between the 2 states?



t-test>35:

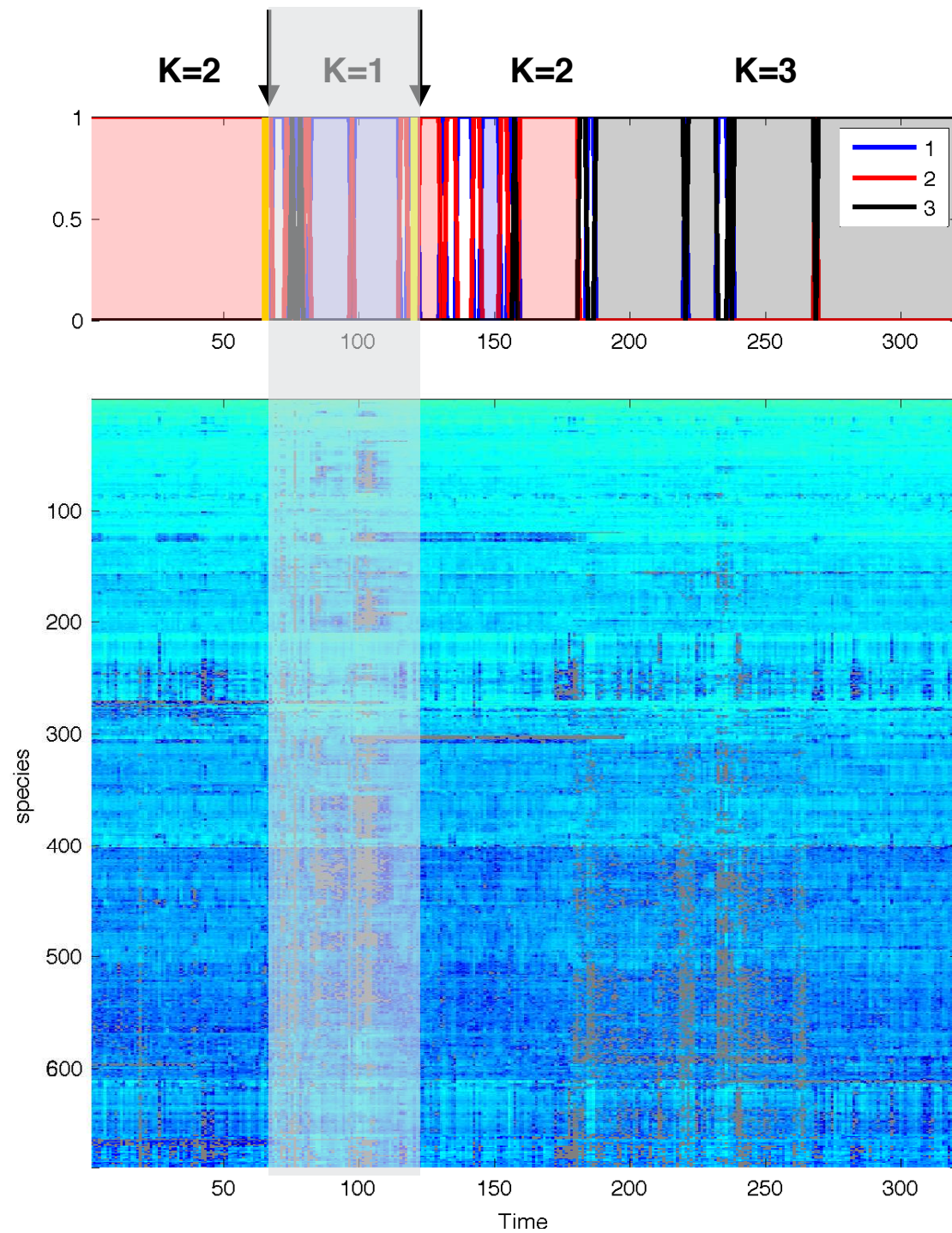
gnavus_CR_OTU_188333
Blautia_CR_OTU_184984
Blautia_CR_OTU_195186
Lachnospiraceae_CR_OTU_292399
Acinetobacter_CR_OTU_4425634
Bifidobacterium_CR_OTU_553611
Lachnospiraceae_CR_OTU_195759

t-test<-38:

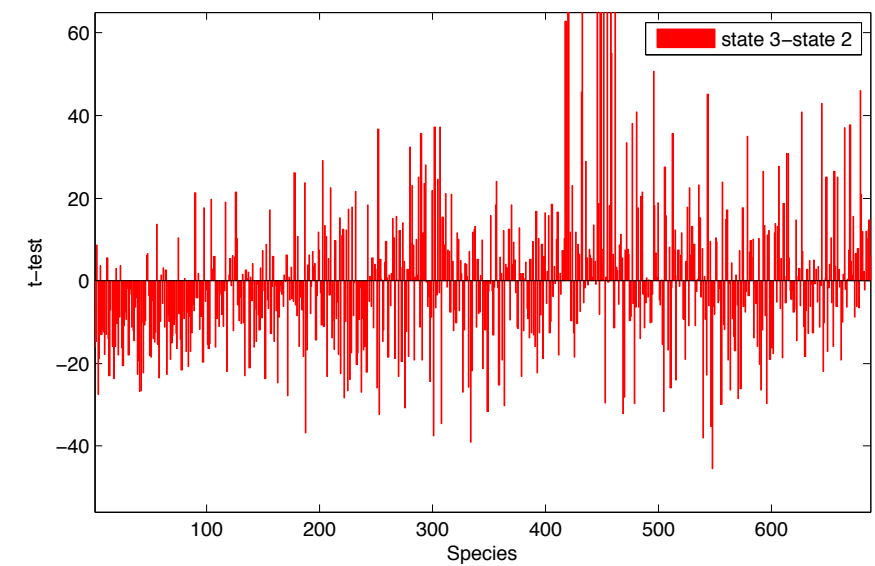
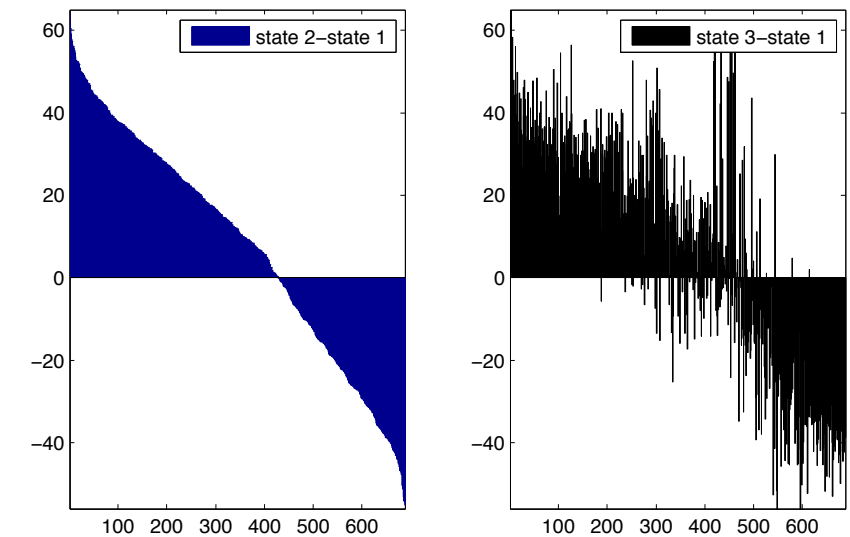
Lachnospiraceae_CR_OTU_300716
Ruminococcaceae_CR_OTU_197750
Bacteroides_CR_OTU_4449054
Dorea_CR_OTU_305329
Roseburia_CR_OTU_536831
Bacteroides_CR_OTU_197367
Lachnospiraceae_CR_OTU_176954
gnavus_CR_OTU_193853

Select hidden state K=3

Patient A



Which are the species that vary the most between the 3 states?

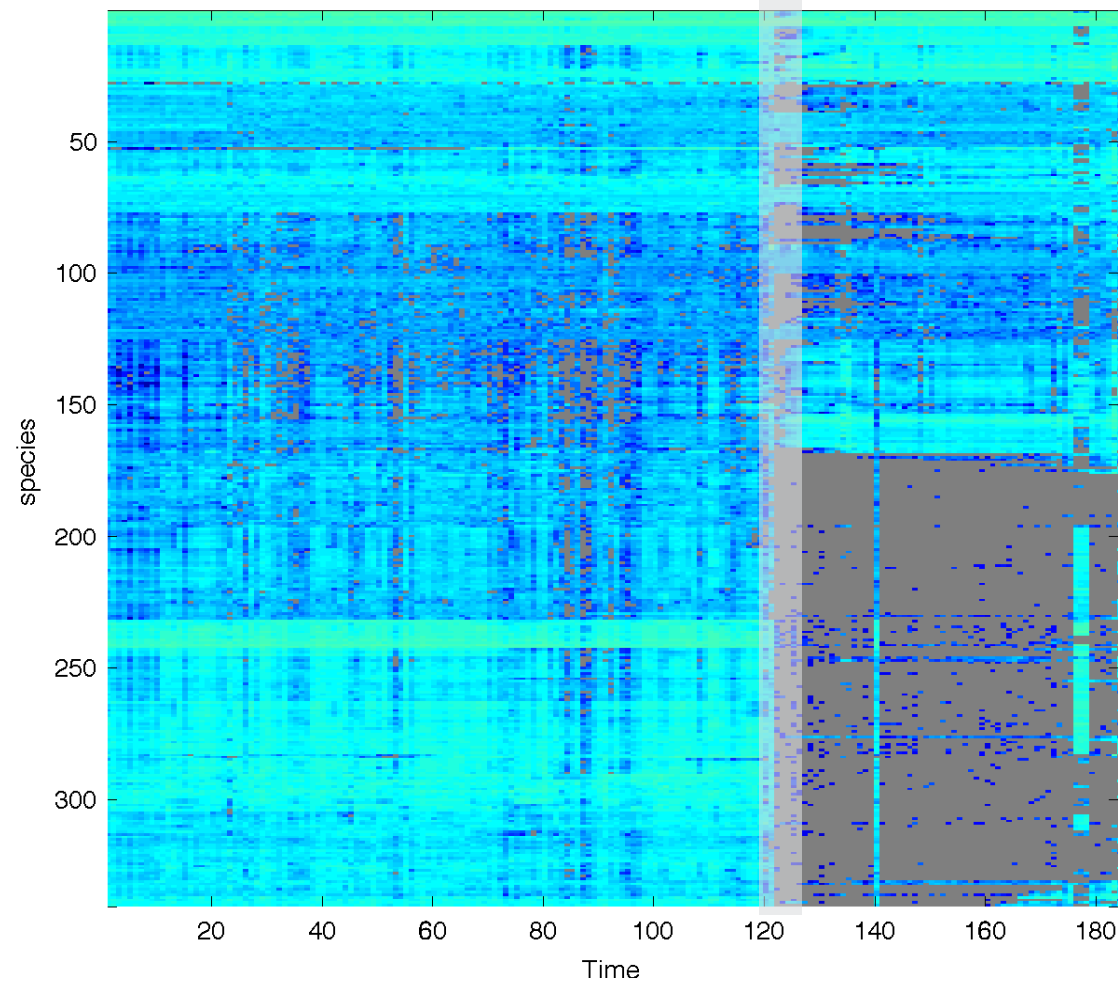
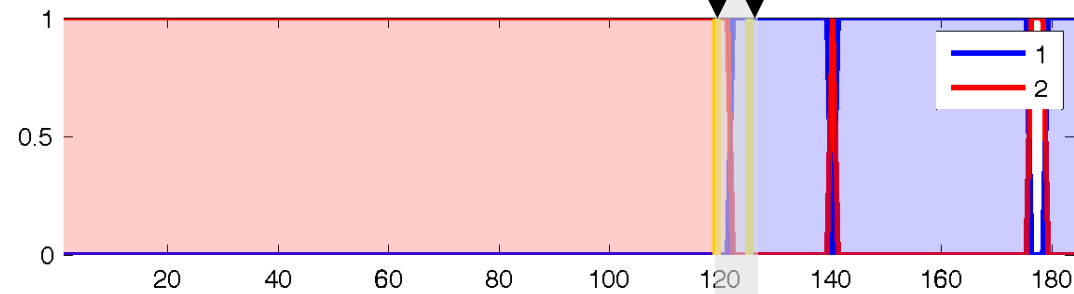


t-test>50:

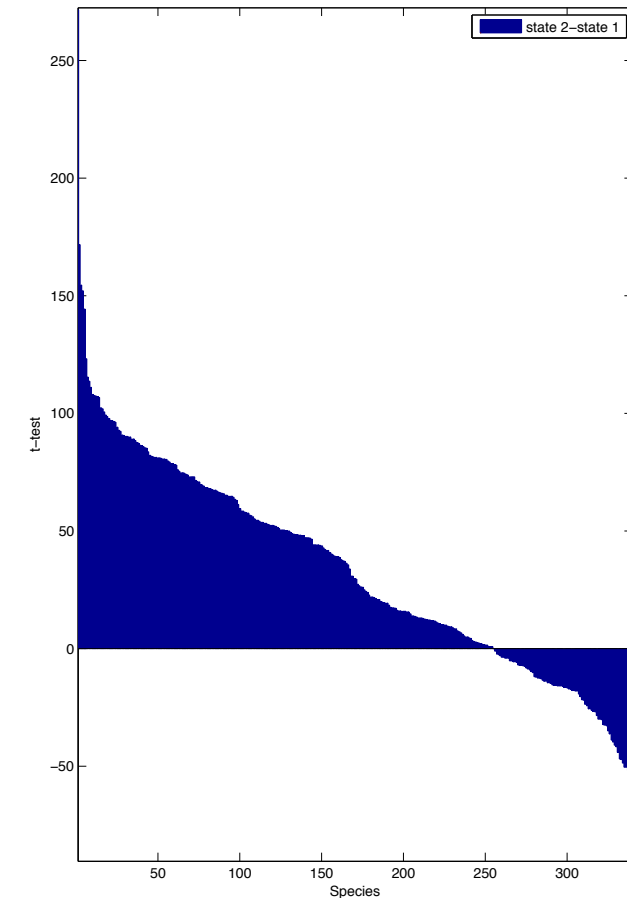
Blautia_CR_OTU_184984
Blautia_CR_OTU_4468384
Lachnospiraceae_CR_OTU_357963
Lachnospiraceae_CR_OTU_185864
Ruminococcaceae_CR_OTU_312882
Ruminococcus_CR_OTU_4472091
Lachnospiraceae_CR_OTU_195465
Bacteroides_CR_OTU_198788
Lachnospiraceae_CR_OTU_176297
Ruminococcaceae_CR_OTU_176757

Patient B

Select hidden state K=2



Which are the species that vary the most between the 3 states?



t-test>100:

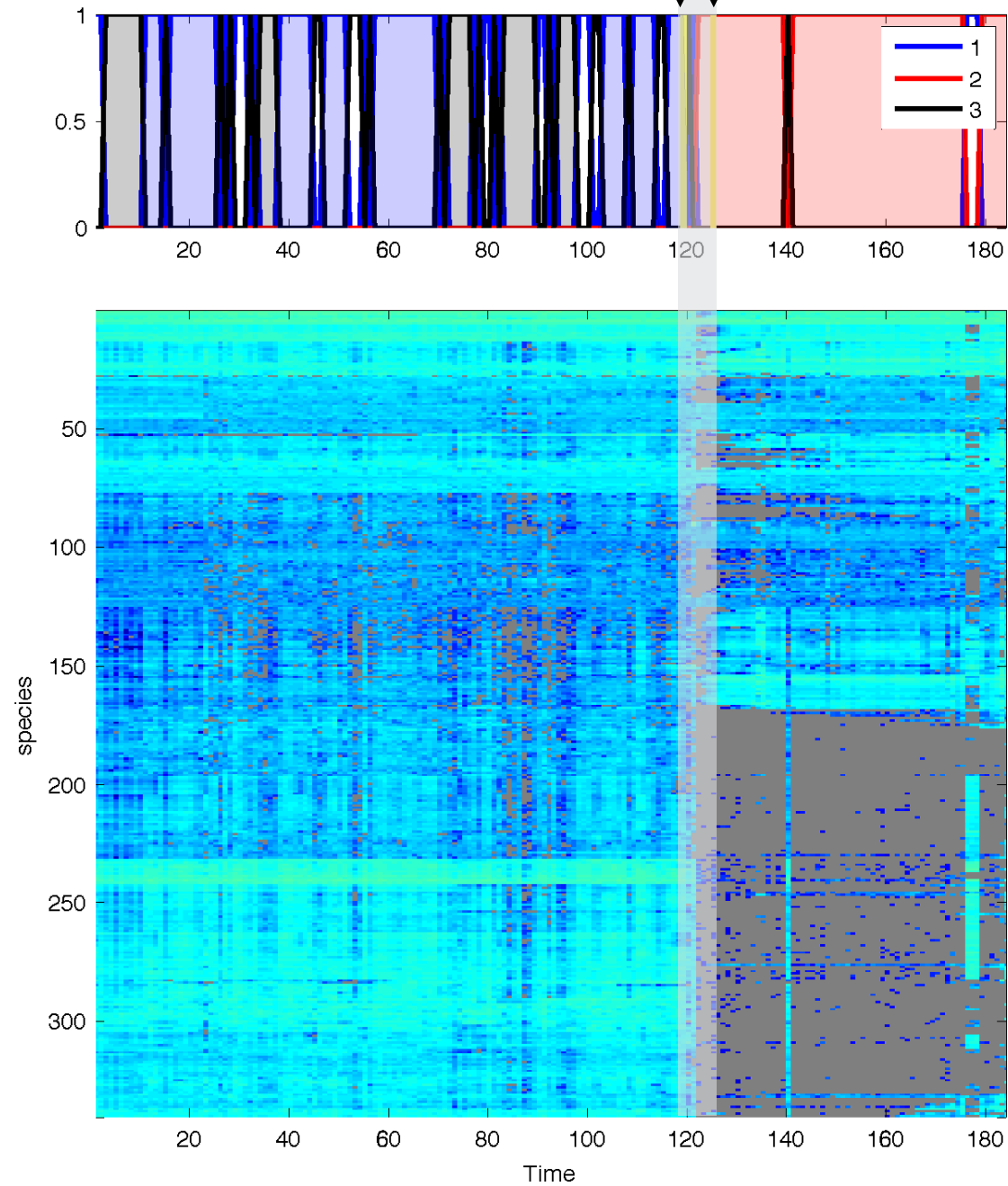
Lachnospiraceae_CR_OTU_4456027
Ruminococcaceae_CR_OTU_360995
Dorea_CR_OTU_305329
Bacteroides_CR_OTU_1944498
Clostridiaceae_CR_OTU_4387453
Erysipelotrichaceae_CR_OTU_191718
Blautia_CR_OTU_358798
Lachnobacterium_CR_OTU_2220496
Bacteroides_CR_OTU_533373
Clostridiales_CR_OTU_177032
Roseburia_CR_OTU_518613
Ruminococcaceae_CR_OTU_173863
Ruminococcaceae_CR_OTU_1599042
Ruminococcaceae_CR_OTU_182089
Ruminococcaceae_CR_OTU_4431545

t-test<-50:

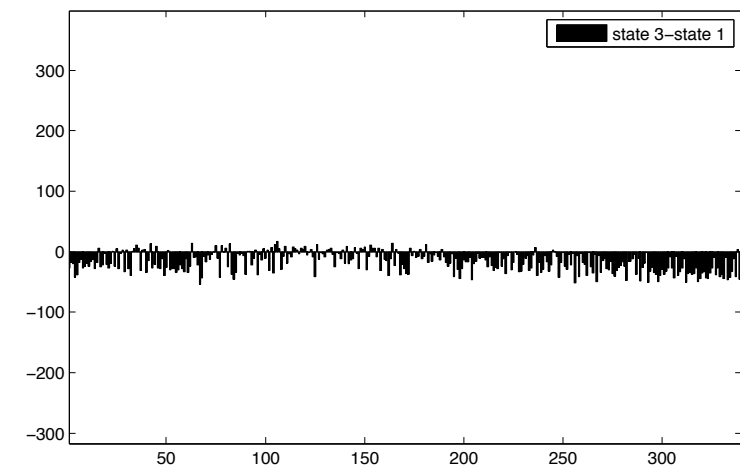
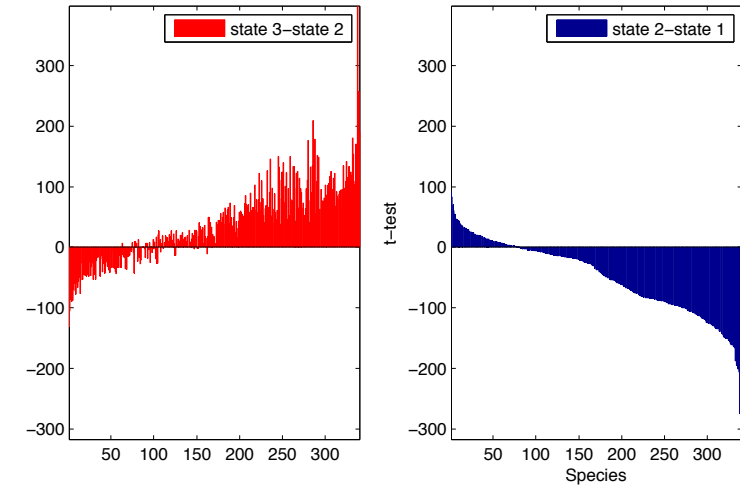
Christensenellaceae_CR_OTU_2442706
Lachnospiraceae_CR_OTU_361972
Ruminococcaceae_CR_OTU_327218
Phascolarctobacterium_CR_OTU_174049
Lachnospiraceae_CR_OTU_194112
Lachnospiraceae_CR_OTU_2420187

Patient B

Select hidden state K=3



Which are the species that vary the most between the 3 states?



t-test<-45:

Dorea_CR_OTU_1667433
 Lachnospiraceae_CR_OTU_163494
 Lachnospiraceae_CR_OTU_196526
 Ruminococcaceae_CR_OTU_179864
 Ruminococcaceae_CR_OTU_339566
 Clostridiales_CR_OTU_4347520
 prausnitzii_CR_OTU_319275
 Bacteroides_CR_OTU_1698008
 Lachnospiraceae_CR_OTU_189292
 Leuconostocaceae_CR_OTU_839282
 Lachnospiraceae_CR_OTU_175698
 Clostridiales_CR_OTU_4462599