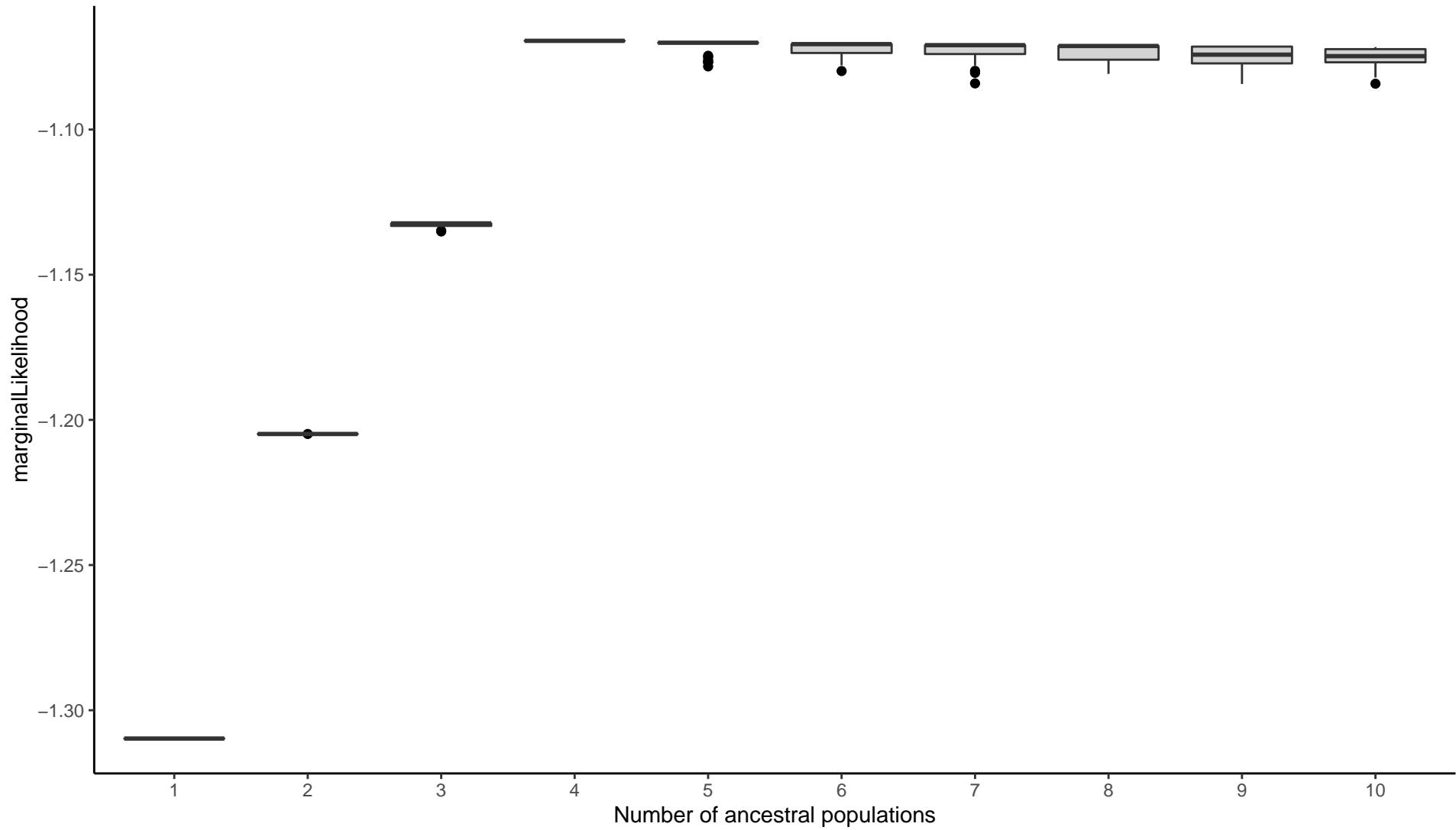
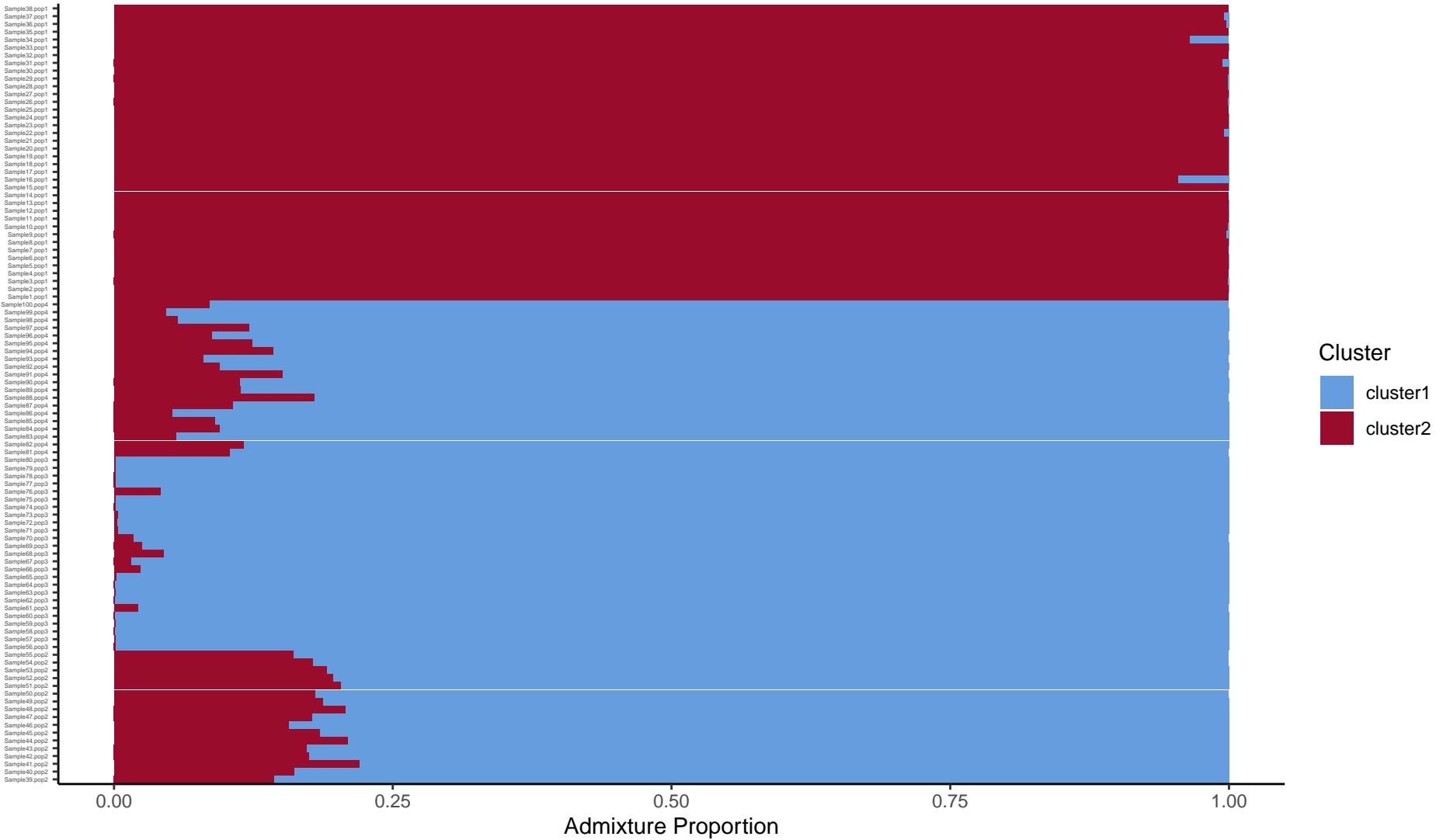


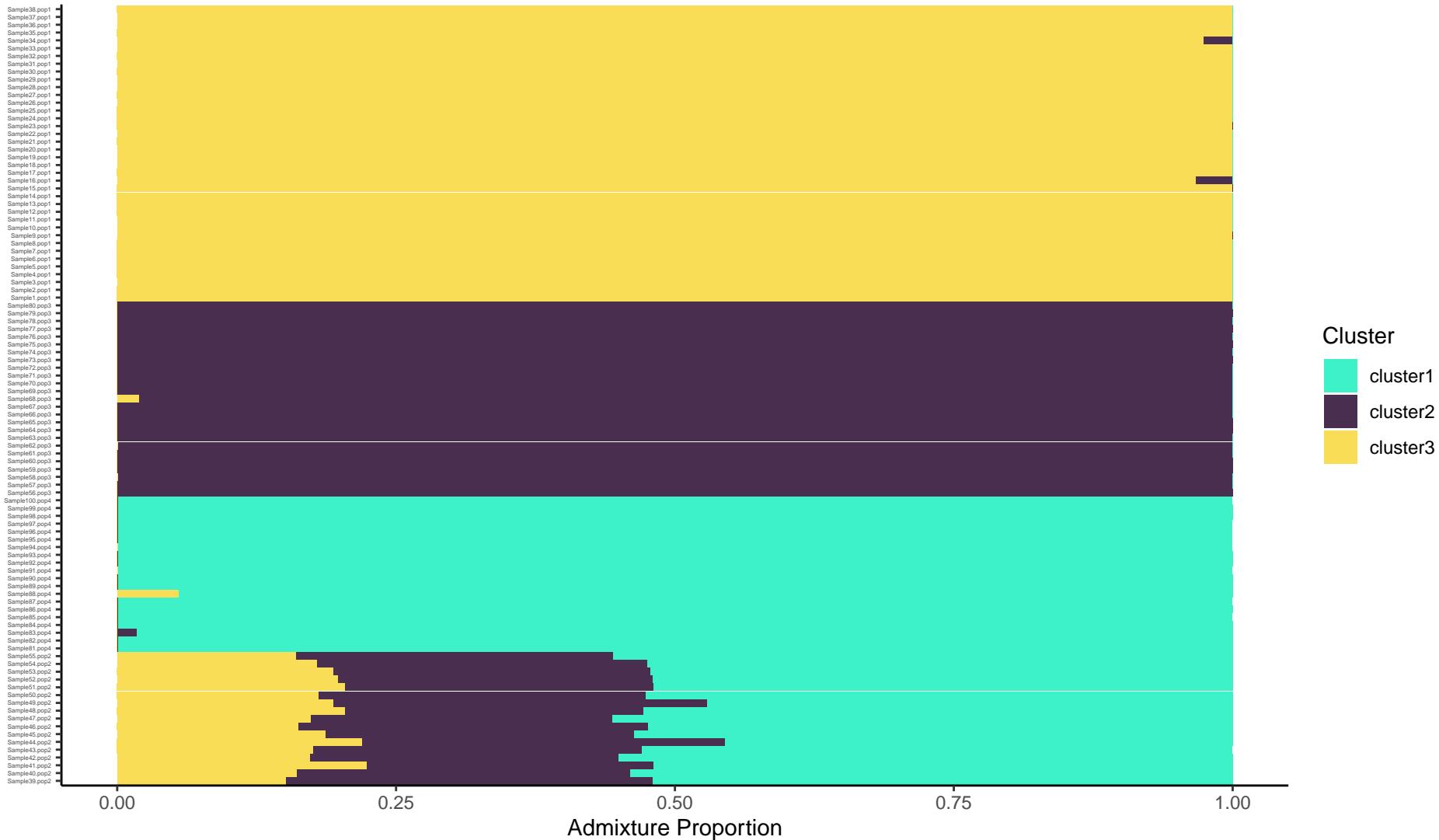
marginal likelihood (30 replicates) vs. number of ancestral populations (K)



K = 2

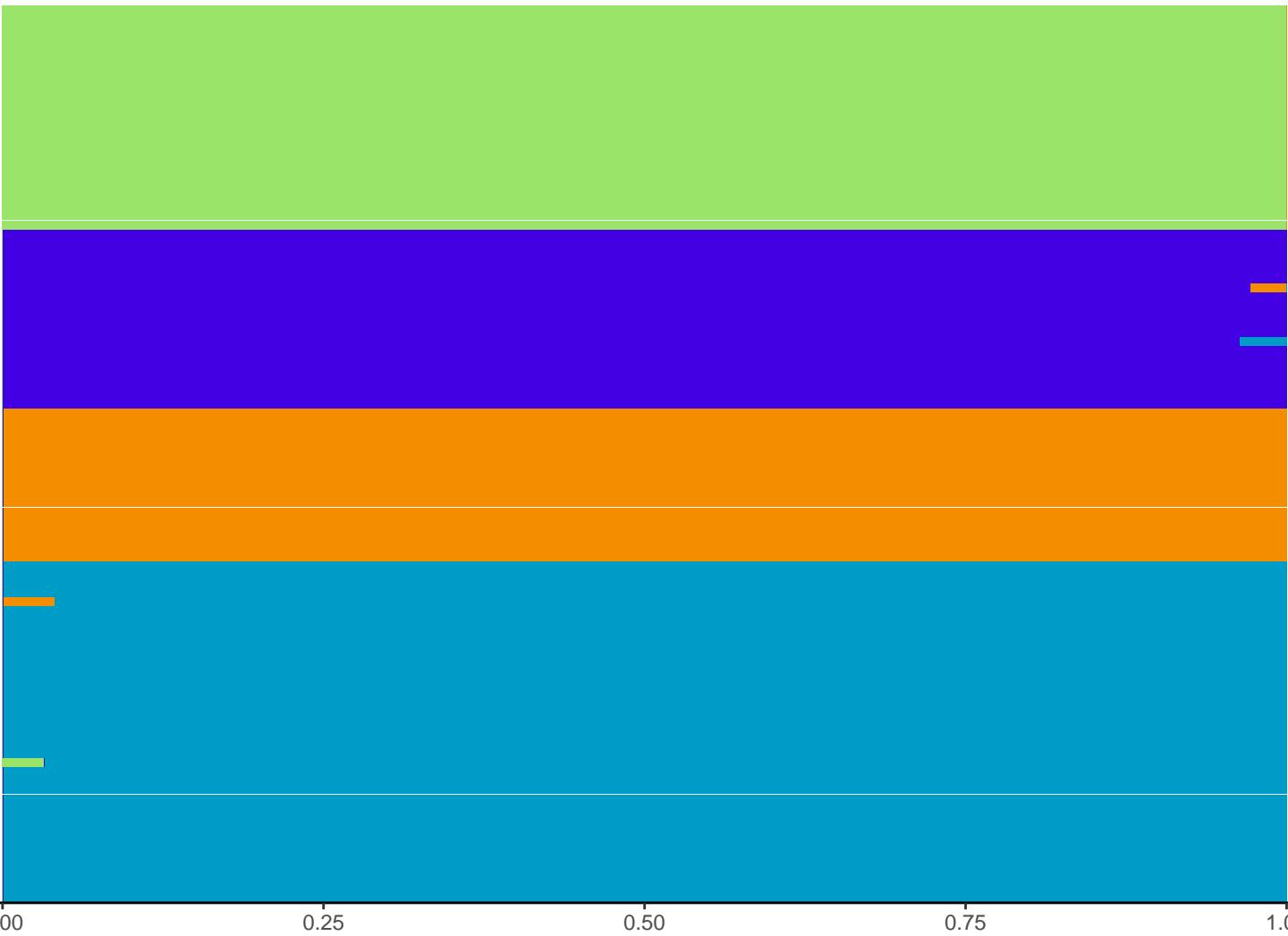


K = 3



K = 4

Sample80.pop3  
Sample79.pop3  
Sample78.pop3  
Sample77.pop3  
Sample76.pop3  
Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
Sample55.pop3  
Sample54.pop3  
Sample53.pop3  
Sample52.pop3  
Sample51.pop3  
Sample50.pop3  
Sample49.pop3  
Sample48.pop3  
Sample47.pop3  
Sample46.pop3  
Sample45.pop3  
Sample44.pop3  
Sample43.pop3  
Sample42.pop3  
Sample41.pop3  
Sample40.pop3  
Sample39.pop3  
Sample38.pop3  
Sample37.pop3  
Sample36.pop3  
Sample35.pop3  
Sample34.pop3  
Sample33.pop3  
Sample32.pop3  
Sample31.pop3  
Sample30.pop3  
Sample29.pop3  
Sample28.pop3  
Sample27.pop3  
Sample26.pop3  
Sample25.pop3  
Sample24.pop3  
Sample23.pop3  
Sample22.pop3  
Sample21.pop3  
Sample20.pop3  
Sample19.pop3  
Sample18.pop3  
Sample17.pop3  
Sample16.pop3  
Sample15.pop3  
Sample14.pop3  
Sample13.pop3  
Sample12.pop3  
Sample11.pop3  
Sample10.pop3  
Sample9.pop3  
Sample8.pop3  
Sample7.pop3  
Sample6.pop3  
Sample5.pop3  
Sample4.pop3  
Sample3.pop3  
Sample2.pop3  
Sample1.pop3



Cluster

- cluster1
- cluster2
- cluster3
- cluster4

Admixture Proportion

0.00

0.25

0.50

0.75

1.00

K = 5

Sample38.pop1  
Sample37.pop1  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
Sample5.pop1  
Sample4.pop1  
Sample3.pop1  
Sample2.pop1  
Sample1.pop1  
Sample79.pop3  
Sample78.pop3  
Sample77.pop3  
Sample76.pop3  
Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
Sample55.pop3  
Sample54.pop3  
Sample53.pop3  
Sample52.pop3  
Sample51.pop3  
Sample50.pop3  
Sample49.pop3  
Sample48.pop3  
Sample47.pop3  
Sample46.pop3  
Sample45.pop3  
Sample44.pop3  
Sample43.pop3  
Sample42.pop3  
Sample41.pop3  
Sample40.pop3



Cluster

- cluster1
- cluster2
- cluster3
- cluster4
- cluster5

Admixture Proportion

0.00

0.25

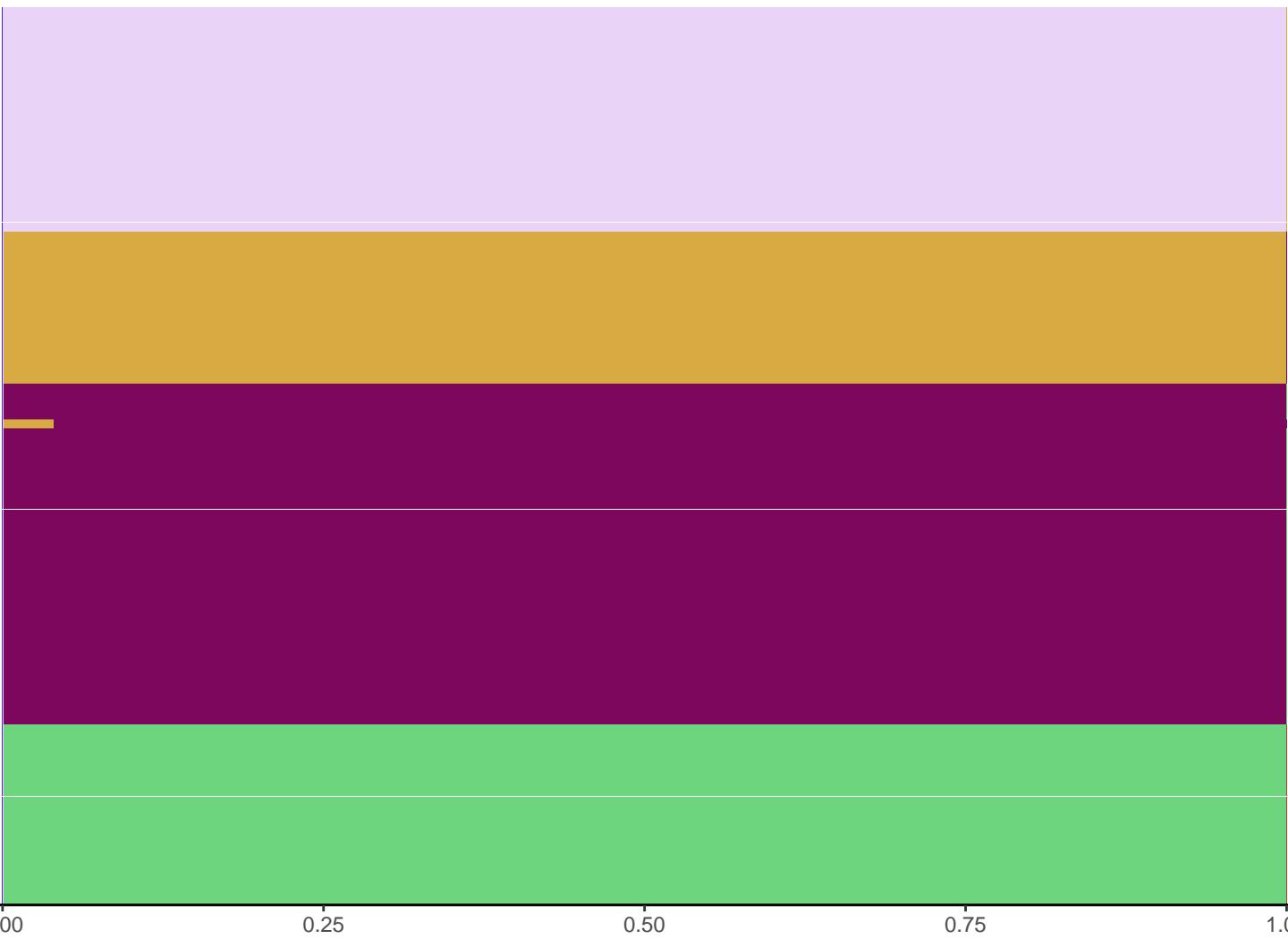
0.50

0.75

1.00

K = 6

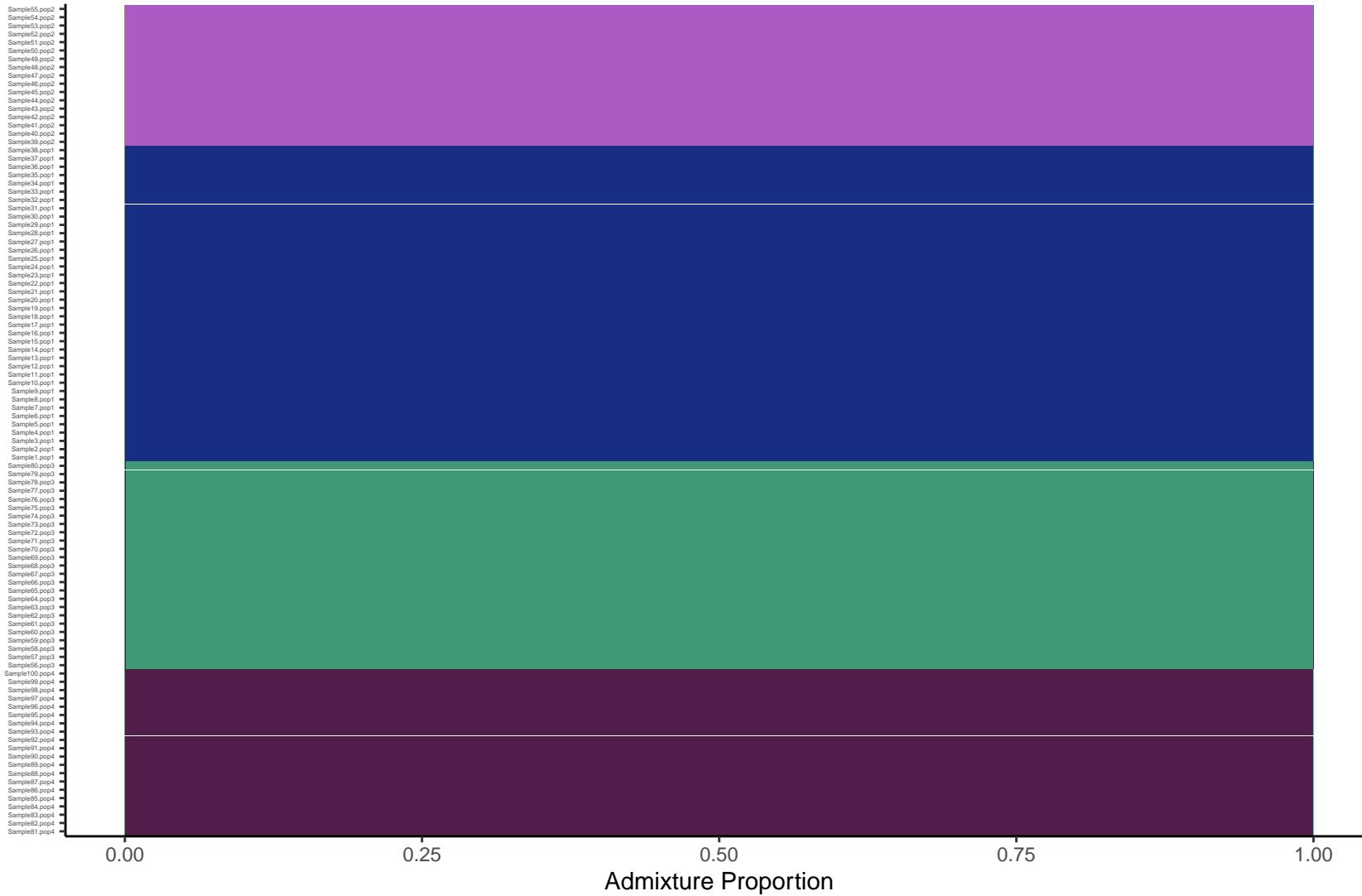
Sample80.pop3  
Sample79.pop3  
Sample78.pop3  
Sample77.pop3  
Sample76.pop3  
Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop2  
Sample59.pop2  
Sample48.pop2  
Sample47.pop2  
Sample46.pop2  
Sample45.pop2  
Sample44.pop2  
Sample43.pop2  
Sample42.pop2  
Sample41.pop2  
Sample40.pop2  
Sample39.pop1  
Sample38.pop1  
Sample37.pop1  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
Sample5.pop1  
Sample4.pop1  
Sample3.pop1  
Sample2.pop1  
Sample1.pop1  
Sample99.pop4  
Sample98.pop4  
Sample97.pop4  
Sample96.pop4  
Sample95.pop4  
Sample94.pop4  
Sample93.pop4  
Sample92.pop4  
Sample91.pop4  
Sample90.pop4  
Sample89.pop4  
Sample88.pop4  
Sample87.pop4  
Sample86.pop4  
Sample85.pop4  
Sample84.pop4  
Sample83.pop4  
Sample82.pop4  
Sample81.pop4



Cluster

- cluster1
- cluster2
- cluster3
- cluster4
- cluster5
- cluster6

K = 7

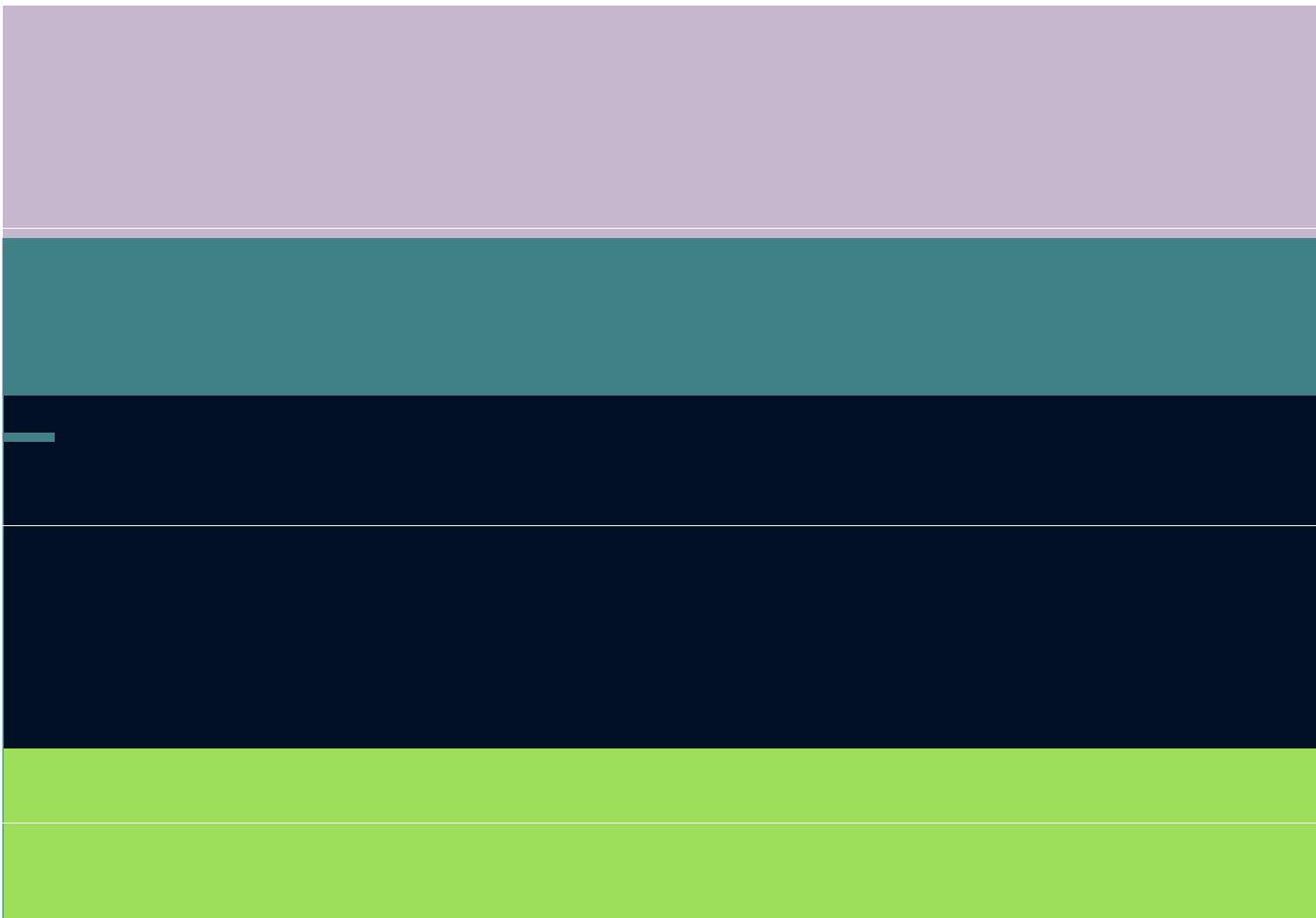


Cluster

- cluster1
- cluster2
- cluster3
- cluster4
- cluster5
- cluster6
- cluster7

K = 8

Sample80.pop3  
Sample79.pop3  
Sample78.pop3  
Sample77.pop3  
Sample76.pop3  
Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
Sample55.pop3  
Sample54.pop2  
Sample53.pop2  
Sample52.pop2  
Sample51.pop2  
Sample50.pop2  
Sample49.pop2  
Sample48.pop2  
Sample47.pop2  
Sample46.pop2  
Sample45.pop2  
Sample44.pop2  
Sample43.pop2  
Sample42.pop2  
Sample41.pop2  
Sample40.pop2  
Sample39.pop1  
Sample38.pop1  
Sample37.pop1  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample32.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
Sample5.pop1  
Sample4.pop1  
Sample3.pop1  
Sample2.pop1  
Sample1.pop1  
Sample99.pop4  
Sample98.pop4  
Sample97.pop4  
Sample96.pop4  
Sample95.pop4  
Sample94.pop4  
Sample93.pop4  
Sample92.pop4  
Sample91.pop4  
Sample90.pop4  
Sample89.pop4  
Sample88.pop4  
Sample87.pop4  
Sample86.pop4  
Sample85.pop4  
Sample84.pop4  
Sample83.pop4  
Sample82.pop4  
Sample81.pop4



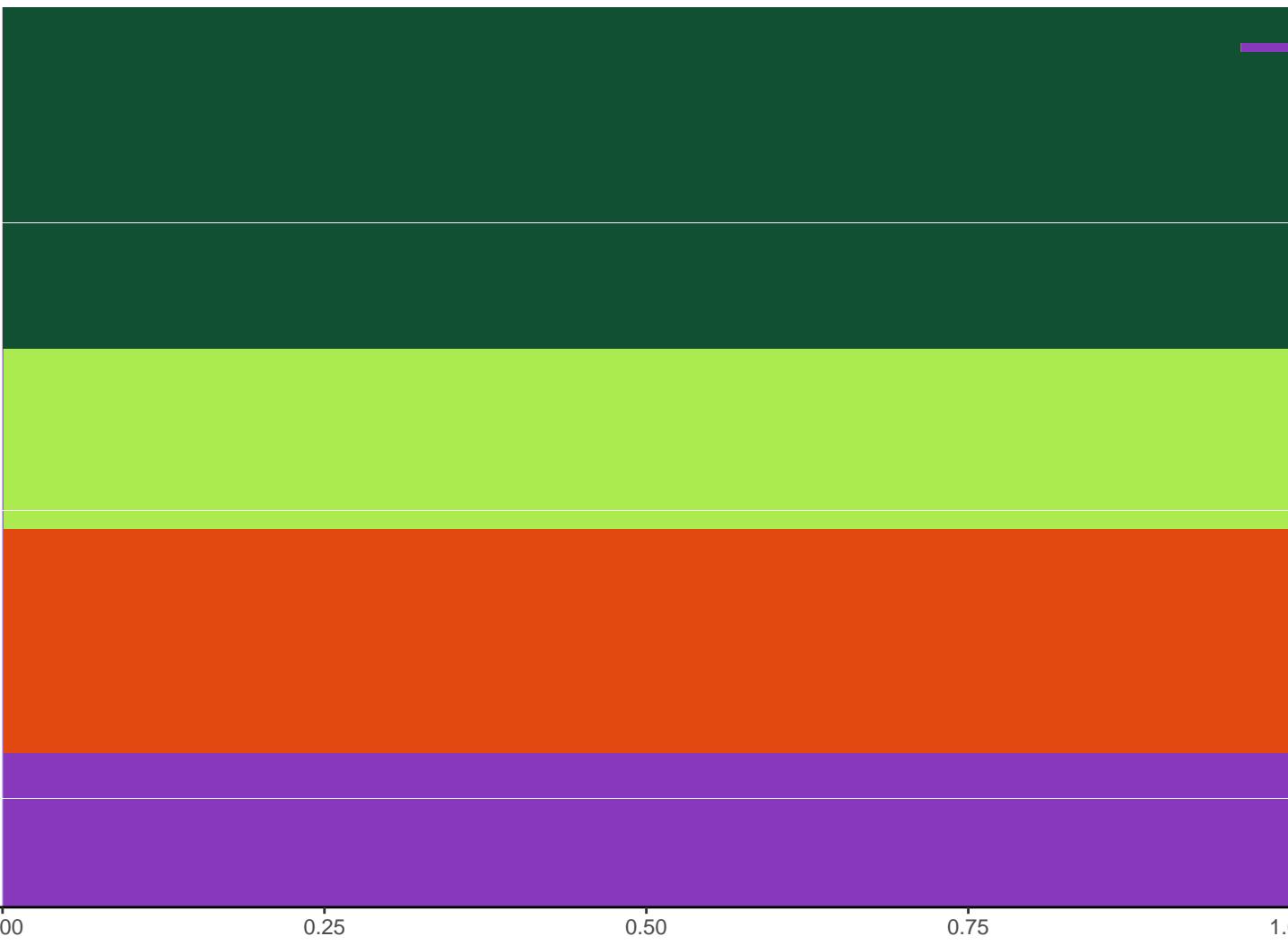
Admixture Proportion

Cluster

- cluster1
- cluster2
- cluster3
- cluster4
- cluster5
- cluster6
- cluster7
- cluster8

K = 9

Sample38.pop1  
Sample37.pop1  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
Sample5.pop1  
Sample4.pop1  
Sample3.pop1  
Sample2.pop1  
Sample1.pop1  
Sample99.pop1  
Sample88.pop1  
Sample87.pop1  
Sample86.pop1  
Sample85.pop1  
Sample84.pop1  
Sample83.pop1  
Sample82.pop1  
Sample81.pop1  
Sample80.pop1  
Sample89.pop1  
Sample88.pop1  
Sample87.pop1  
Sample86.pop1  
Sample85.pop1  
Sample84.pop1  
Sample83.pop1  
Sample82.pop1  
Sample81.pop1  
Sample80.pop1  
Sample79.pop1  
Sample78.pop1  
Sample77.pop1  
Sample76.pop1  
Sample75.pop1  
Sample74.pop1  
Sample73.pop1  
Sample72.pop1  
Sample71.pop1  
Sample70.pop1  
Sample69.pop1  
Sample68.pop1  
Sample67.pop1  
Sample66.pop1  
Sample65.pop1  
Sample64.pop1  
Sample63.pop1  
Sample62.pop1  
Sample61.pop1  
Sample60.pop1  
Sample59.pop1  
Sample58.pop1  
Sample57.pop1  
Sample56.pop1  
Sample55.pop1  
Sample54.pop1  
Sample53.pop1  
Sample52.pop1  
Sample51.pop1  
Sample50.pop1  
Sample49.pop1  
Sample48.pop1  
Sample47.pop1  
Sample46.pop1  
Sample45.pop1  
Sample44.pop1  
Sample43.pop1  
Sample42.pop1  
Sample41.pop1  
Sample40.pop1



Cluster

- cluster1
- cluster2
- cluster3
- cluster4
- cluster5
- cluster6
- cluster7
- cluster8
- cluster9

Admixture Proportion

0.00

0.25

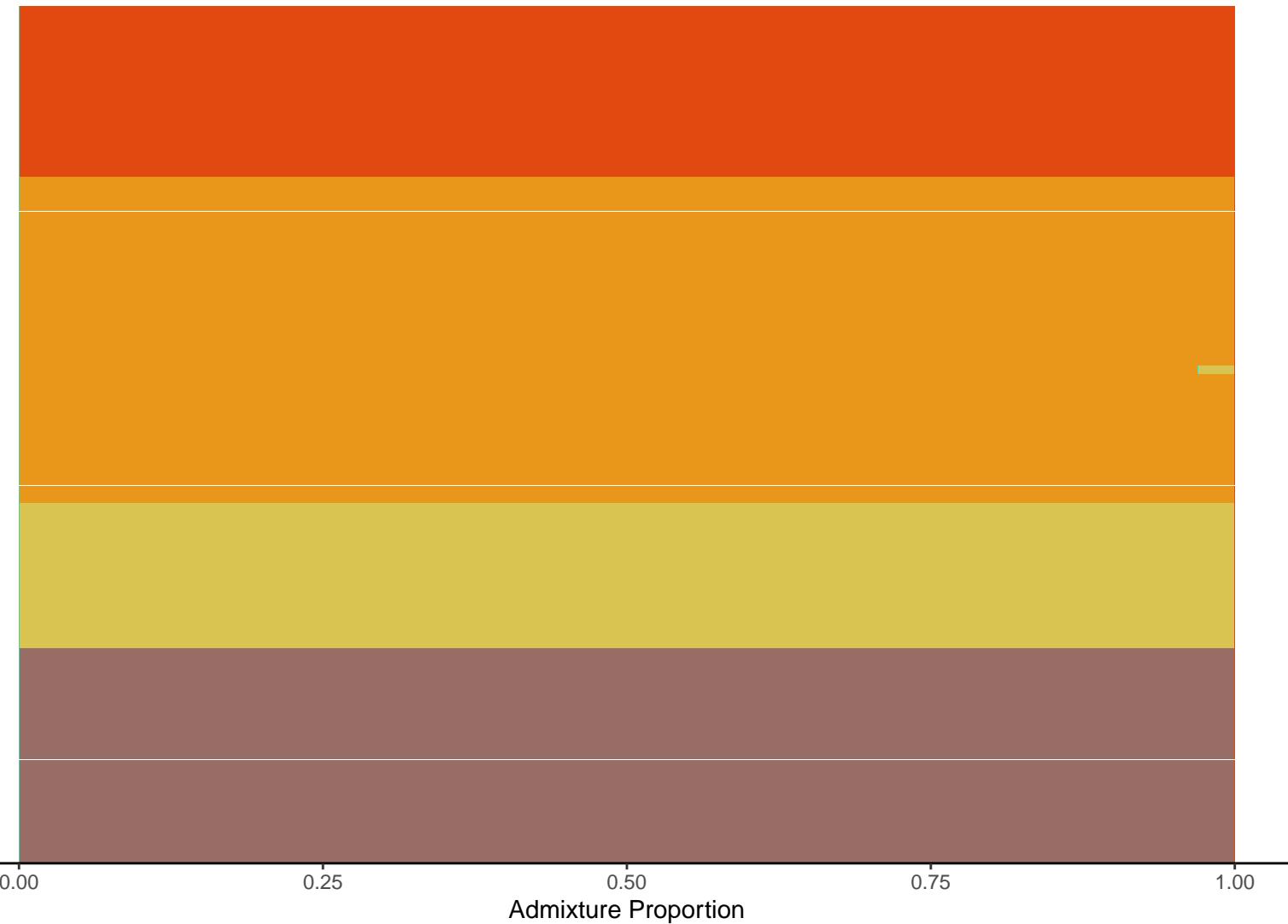
0.50

0.75

1.00

K = 10

Sample100.pop4  
Sample99.pop4  
Sample98.pop4  
Sample97.pop4  
Sample96.pop4  
Sample95.pop4  
Sample94.pop4  
Sample93.pop4  
Sample92.pop4  
Sample91.pop4  
Sample90.pop4  
Sample89.pop4  
Sample88.pop4  
Sample87.pop4  
Sample86.pop4  
Sample85.pop4  
Sample84.pop4  
Sample83.pop4  
Sample82.pop4  
Sample81.pop4  
Sample80.pop4  
Sample37.pop1  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample32.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
Sample5.pop1  
Sample4.pop1  
Sample3.pop1  
Sample2.pop1  
Sample1.pop1  
Sample61.pop2  
Sample60.pop2  
Sample59.pop2  
Sample58.pop2  
Sample57.pop2  
Sample56.pop2  
Sample55.pop2  
Sample54.pop2  
Sample53.pop2  
Sample52.pop2  
Sample51.pop2  
Sample50.pop2  
Sample49.pop2  
Sample48.pop2  
Sample47.pop2  
Sample46.pop2  
Sample45.pop2  
Sample44.pop2  
Sample43.pop2  
Sample42.pop2  
Sample41.pop2  
Sample40.pop2  
Sample39.pop2  
Sample38.pop2  
Sample37.pop2  
Sample36.pop2  
Sample35.pop2  
Sample34.pop2  
Sample33.pop2  
Sample32.pop2  
Sample31.pop2  
Sample30.pop2  
Sample29.pop2  
Sample28.pop2  
Sample27.pop2  
Sample26.pop2  
Sample25.pop2  
Sample24.pop2  
Sample23.pop2  
Sample22.pop2  
Sample21.pop2  
Sample20.pop2  
Sample19.pop2  
Sample18.pop2  
Sample17.pop2  
Sample16.pop2  
Sample15.pop2  
Sample14.pop2  
Sample13.pop2  
Sample12.pop2  
Sample11.pop2  
Sample10.pop2  
Sample9.pop2  
Sample8.pop2  
Sample7.pop2  
Sample6.pop2  
Sample5.pop2  
Sample4.pop2  
Sample3.pop2  
Sample2.pop2  
Sample1.pop2  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
Sample55.pop3  
Sample54.pop3  
Sample53.pop3  
Sample52.pop3  
Sample51.pop3  
Sample50.pop3  
Sample49.pop3  
Sample48.pop3  
Sample47.pop3  
Sample46.pop3  
Sample45.pop3  
Sample44.pop3  
Sample43.pop3  
Sample42.pop3  
Sample41.pop3  
Sample40.pop3  
Sample39.pop3  
Sample38.pop3  
Sample37.pop3  
Sample36.pop3  
Sample35.pop3  
Sample34.pop3  
Sample33.pop3  
Sample32.pop3  
Sample31.pop3  
Sample30.pop3  
Sample29.pop3  
Sample28.pop3  
Sample27.pop3  
Sample26.pop3  
Sample25.pop3  
Sample24.pop3  
Sample23.pop3  
Sample22.pop3  
Sample21.pop3  
Sample20.pop3  
Sample19.pop3  
Sample18.pop3  
Sample17.pop3  
Sample16.pop3  
Sample15.pop3  
Sample14.pop3  
Sample13.pop3  
Sample12.pop3  
Sample11.pop3  
Sample10.pop3  
Sample9.pop3  
Sample8.pop3  
Sample7.pop3  
Sample6.pop3  
Sample5.pop3  
Sample4.pop3  
Sample3.pop3  
Sample2.pop3  
Sample1.pop3



Cluster

- cluster1
- cluster10
- cluster2
- cluster3
- cluster4
- cluster5
- cluster6
- cluster7
- cluster8
- cluster9

0.00

0.25

0.50

0.75

1.00

Admixture Proportion

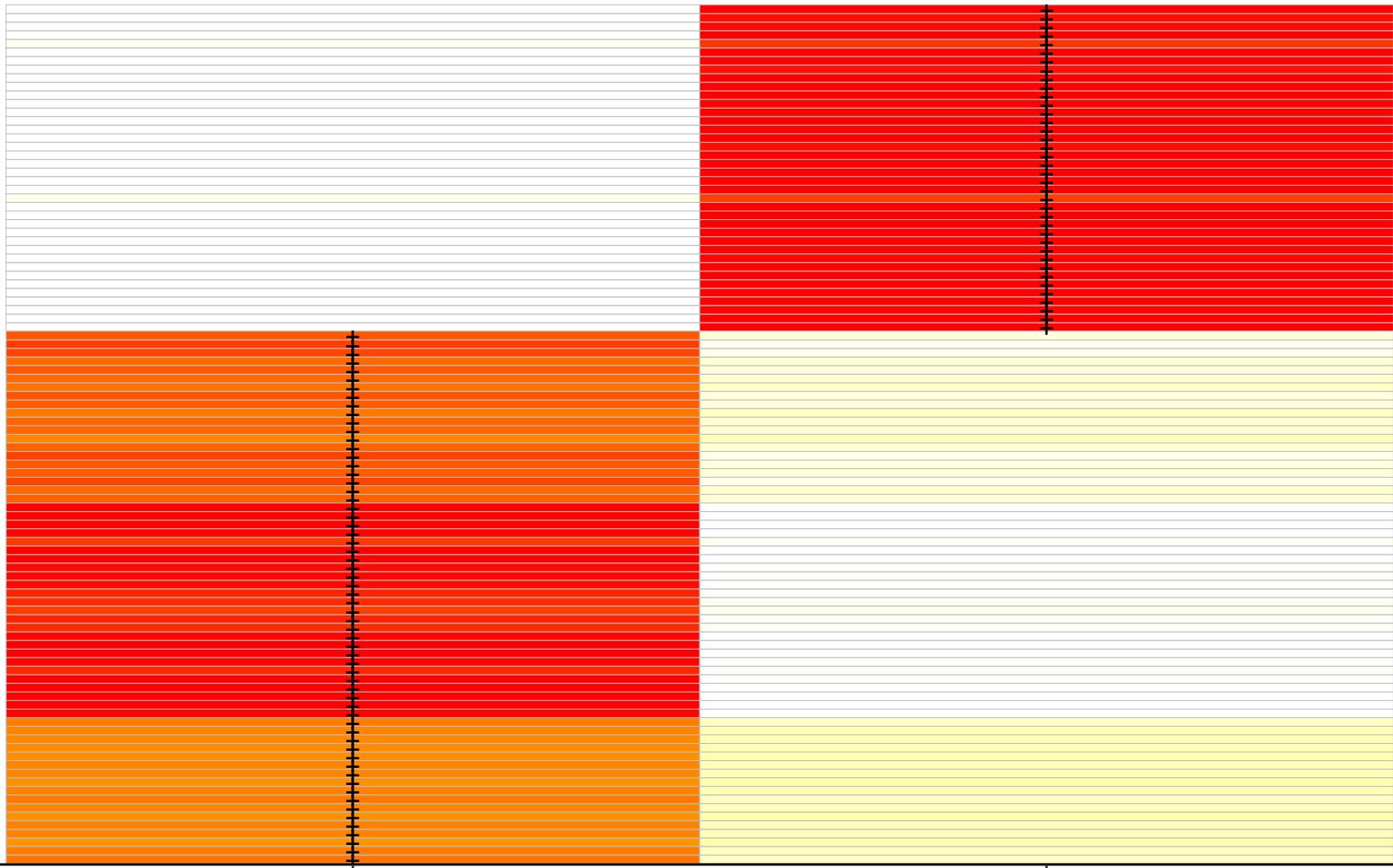
$K = 2$

Sample38.pop1  
Sample37.pop1  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
Sample5.pop1  
Sample4.pop1  
Sample3.pop1  
Sample2.pop1  
Sample1.pop1  
Sample99.pop1  
Sample98.pop1  
Sample97.pop1  
Sample96.pop1  
Sample95.pop1  
Sample94.pop1  
Sample93.pop1  
Sample92.pop1  
Sample91.pop1  
Sample90.pop1  
Sample89.pop1  
Sample88.pop1  
Sample87.pop1  
Sample86.pop1  
Sample85.pop1  
Sample84.pop1  
Sample83.pop1  
Sample82.pop1  
Sample81.pop1  
Sample80.pop1  
Sample79.pop1  
Sample78.pop1  
Sample77.pop1  
Sample76.pop1  
Sample75.pop1  
Sample74.pop1  
Sample73.pop1  
Sample72.pop1  
Sample71.pop1  
Sample70.pop1  
Sample69.pop1  
Sample68.pop1  
Sample67.pop1  
Sample66.pop1  
Sample65.pop1  
Sample64.pop1  
Sample63.pop1  
Sample62.pop1  
Sample61.pop1  
Sample60.pop1  
Sample59.pop1  
Sample58.pop1  
Sample57.pop1  
Sample56.pop1  
Sample55.pop1  
Sample54.pop1  
Sample53.pop1  
Sample52.pop1  
Sample51.pop1  
Sample50.pop1  
Sample49.pop1  
Sample48.pop1  
Sample47.pop1  
Sample46.pop1  
Sample45.pop1  
Sample44.pop1  
Sample43.pop1  
Sample42.pop1  
Sample41.pop1  
Sample40.pop1  
Sample39.pop1

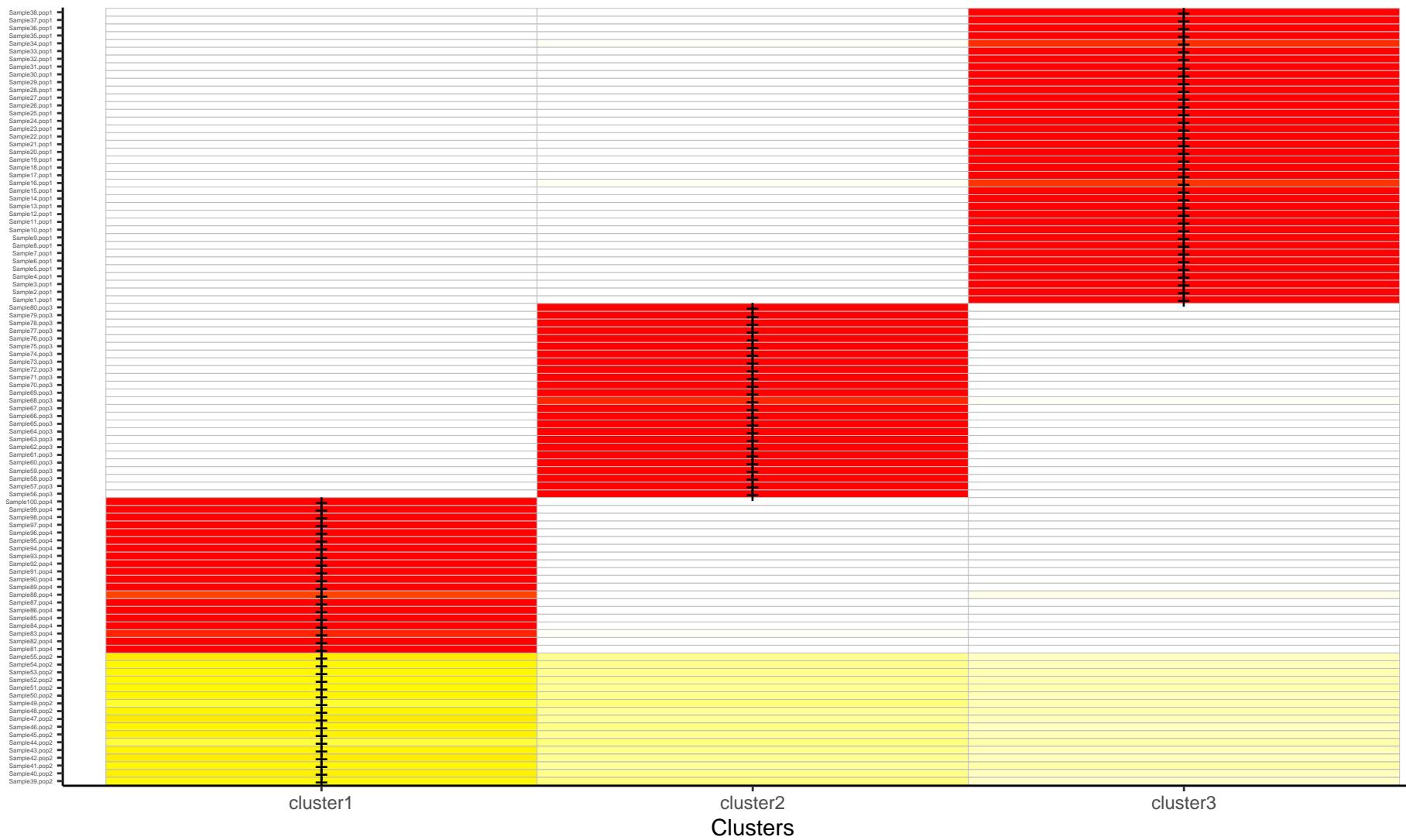
cluster1

cluster2

Clusters

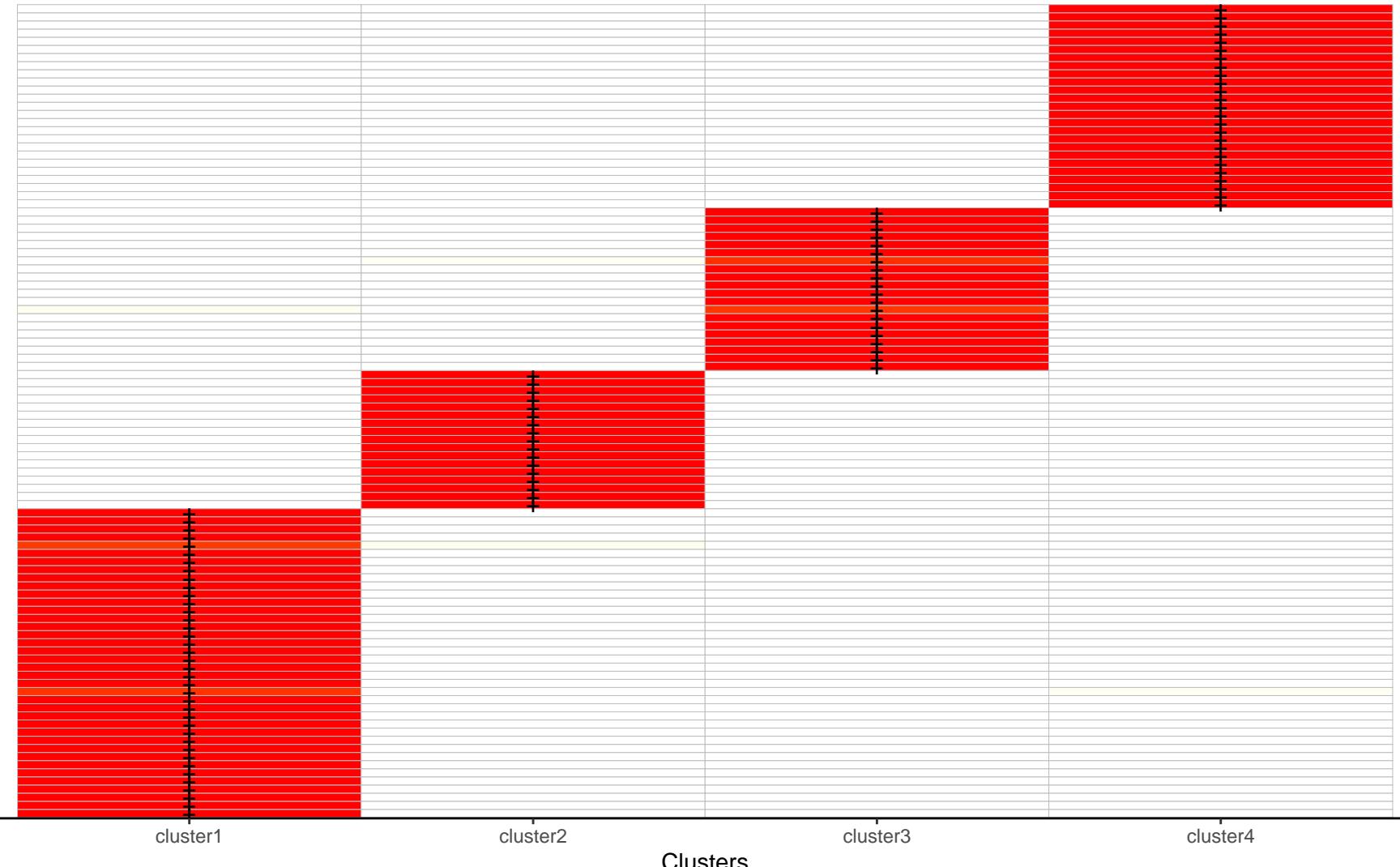


$K = 3$



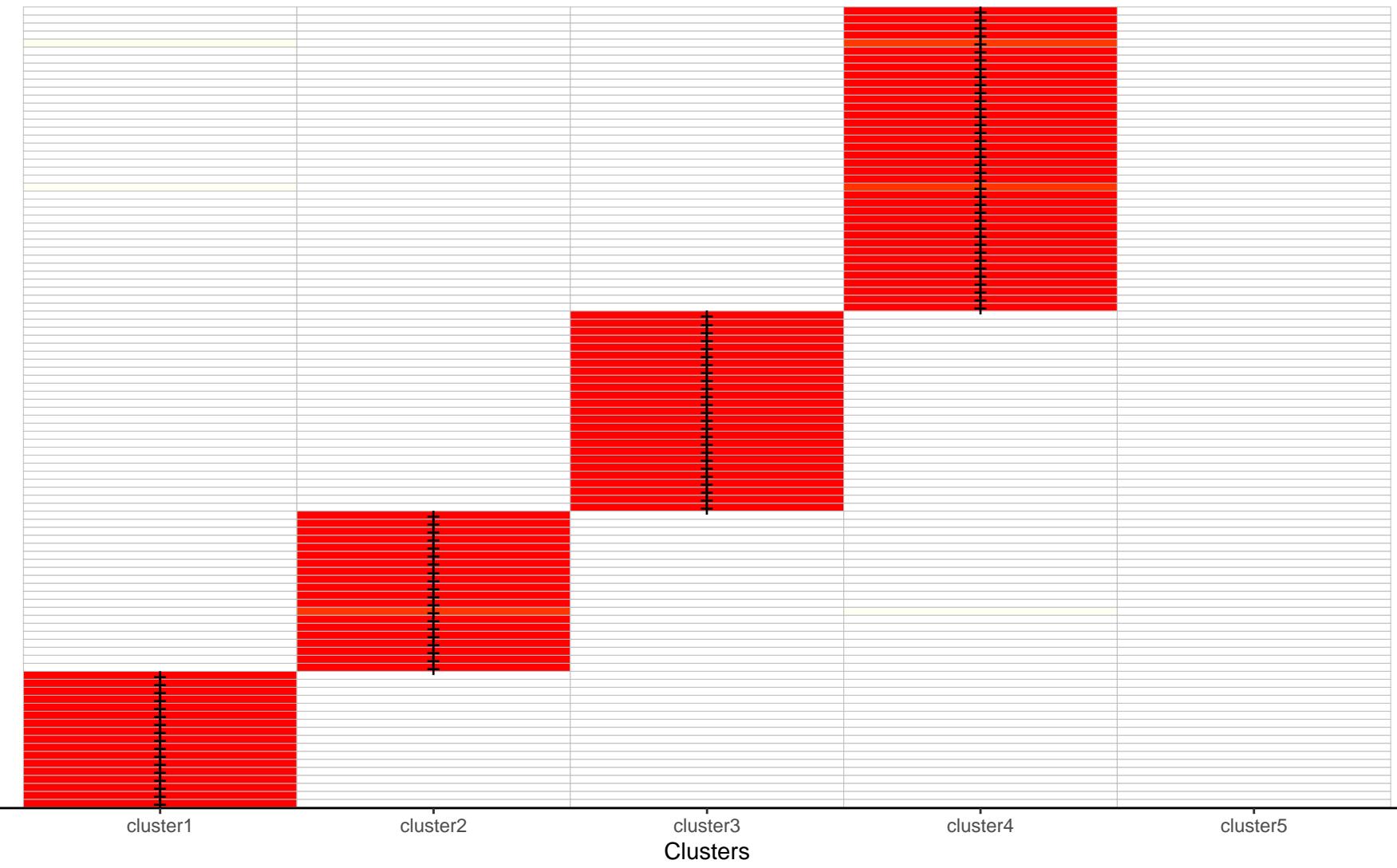
$K = 4$

Sample80.pop3  
Sample79.pop3  
Sample78.pop3  
Sample77.pop3  
Sample76.pop3  
Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
Sample55.pop3  
Sample54.pop3  
Sample53.pop3  
Sample52.pop3  
Sample51.pop3  
Sample50.pop3  
Sample49.pop3  
Sample48.pop3  
Sample47.pop3  
Sample46.pop3  
Sample45.pop3  
Sample44.pop3  
Sample43.pop3  
Sample42.pop3  
Sample41.pop3  
Sample40.pop3  
Sample39.pop3  
Sample38.pop3  
Sample37.pop3  
Sample36.pop3  
Sample35.pop3  
Sample34.pop3  
Sample33.pop3  
Sample32.pop3  
Sample31.pop3  
Sample30.pop3  
Sample29.pop3  
Sample28.pop3  
Sample27.pop3  
Sample26.pop3  
Sample25.pop3  
Sample24.pop3  
Sample23.pop3  
Sample22.pop3  
Sample21.pop3  
Sample20.pop3  
Sample19.pop3  
Sample18.pop3  
Sample17.pop3  
Sample16.pop3  
Sample15.pop3  
Sample14.pop3  
Sample13.pop3  
Sample12.pop3  
Sample11.pop3  
Sample10.pop3  
Sample9.pop3  
Sample8.pop3  
Sample7.pop3  
Sample6.pop3  
Sample5.pop3  
Sample4.pop3  
Sample3.pop3  
Sample2.pop3  
Sample1.pop3



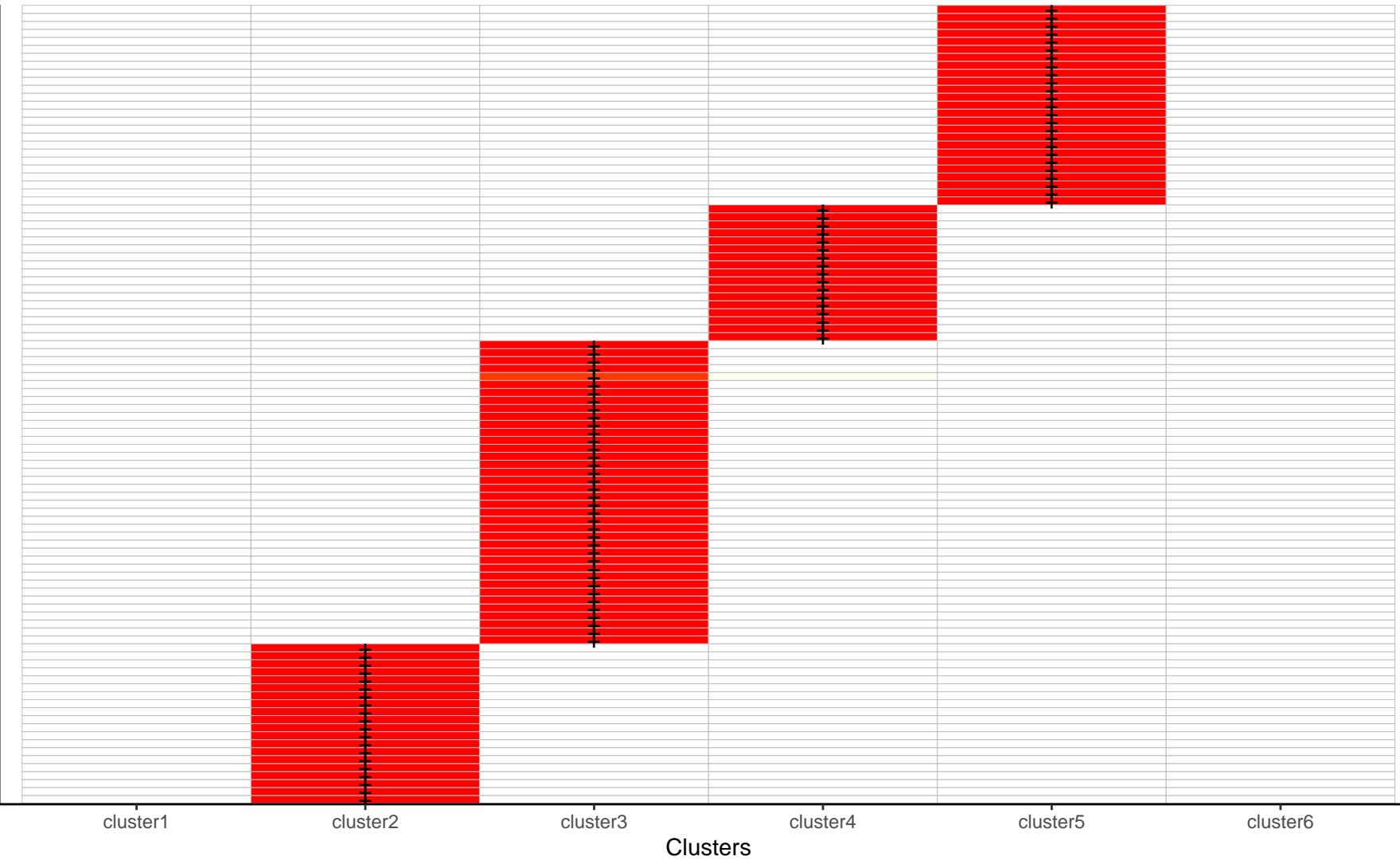
$K = 5$

Sample38.pop1  
Sample37.pop1  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
Sample5.pop1  
Sample4.pop1  
Sample3.pop1  
Sample2.pop1  
Sample1.pop1  
Sample79.pop3  
Sample78.pop3  
Sample77.pop3  
Sample76.pop3  
Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
Sample55.pop3  
Sample54.pop3  
Sample53.pop3  
Sample52.pop3  
Sample51.pop3  
Sample50.pop3  
Sample49.pop3  
Sample48.pop3  
Sample47.pop3  
Sample46.pop3  
Sample45.pop3  
Sample44.pop3  
Sample43.pop3  
Sample42.pop3  
Sample41.pop3  
Sample40.pop3  
Sample39.pop3



$K = 6$

Sample80.pop3  
Sample79.pop3  
Sample78.pop3  
Sample77.pop3  
Sample76.pop3  
Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
Sample55.pop3  
Sample54.pop3  
Sample53.pop3  
Sample52.pop3  
Sample51.pop3  
Sample50.pop3  
Sample49.pop3  
Sample48.pop3  
Sample47.pop3  
Sample46.pop3  
Sample45.pop3  
Sample44.pop3  
Sample43.pop3  
Sample42.pop3  
Sample41.pop3  
Sample40.pop3  
Sample39.pop3  
Sample38.pop3  
Sample37.pop3  
Sample36.pop3  
Sample35.pop3  
Sample34.pop3  
Sample33.pop3  
Sample32.pop3  
Sample31.pop3  
Sample30.pop3  
Sample29.pop3  
Sample28.pop3  
Sample27.pop3  
Sample26.pop3  
Sample25.pop3  
Sample24.pop3  
Sample23.pop3  
Sample22.pop3  
Sample21.pop3  
Sample20.pop3  
Sample19.pop3  
Sample18.pop3  
Sample17.pop3  
Sample16.pop3  
Sample15.pop3  
Sample14.pop3  
Sample13.pop3  
Sample12.pop3  
Sample11.pop3  
Sample10.pop3  
Sample9.pop3  
Sample8.pop3  
Sample7.pop3  
Sample6.pop3  
Sample5.pop3  
Sample4.pop3  
Sample3.pop3  
Sample2.pop3  
Sample1.pop3  
Sample99.pop4  
Sample98.pop4  
Sample97.pop4  
Sample96.pop4  
Sample95.pop4  
Sample94.pop4  
Sample93.pop4  
Sample92.pop4  
Sample91.pop4  
Sample90.pop4  
Sample89.pop4  
Sample88.pop4  
Sample87.pop4  
Sample86.pop4  
Sample85.pop4  
Sample84.pop4  
Sample83.pop4  
Sample82.pop4  
Sample81.pop4



$K = 7$

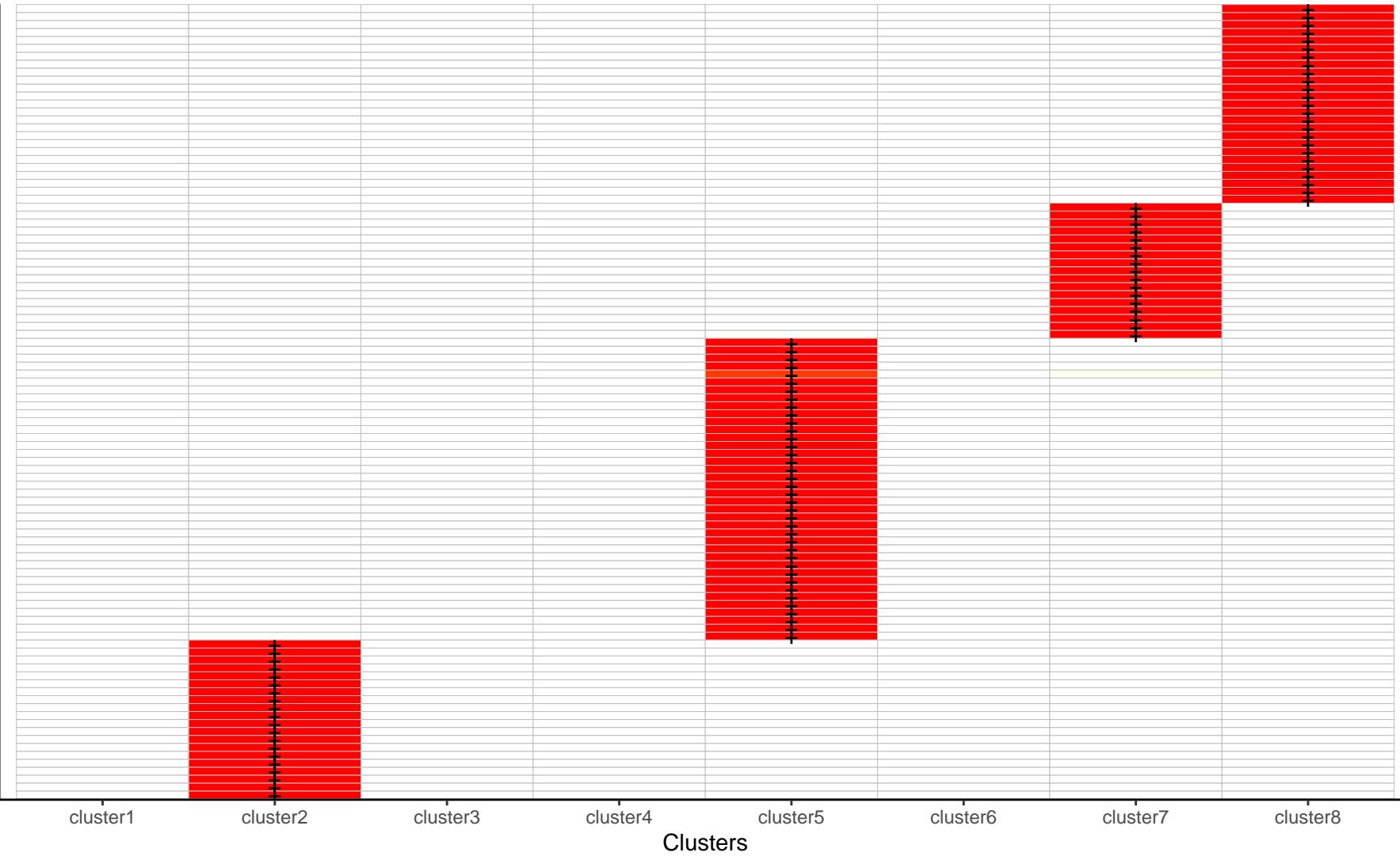
Sample55.pop2  
Sample54.pop2  
Sample53.pop2  
Sample52.pop2  
Sample51.pop2  
Sample50.pop2  
Sample49.pop2  
Sample48.pop2  
Sample47.pop2  
Sample46.pop2  
Sample45.pop2  
Sample44.pop2  
Sample43.pop2  
Sample42.pop2  
Sample41.pop2  
Sample40.pop2  
Sample39.pop2  
Sample38.pop2  
Sample37.pop2  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample32.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
Sample5.pop1  
Sample4.pop1  
Sample3.pop1  
Sample2.pop1  
Sample1.pop1  
Sample0.pop1  
Sample79.pop3  
Sample78.pop3  
Sample77.pop3  
Sample76.pop3  
Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
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Sample54.pop3  
Sample53.pop3  
Sample52.pop3  
Sample51.pop3  
Sample50.pop3  
Sample49.pop3  
Sample48.pop3  
Sample47.pop3  
Sample46.pop3  
Sample45.pop3  
Sample44.pop3  
Sample43.pop3  
Sample42.pop3  
Sample41.pop3  
Sample40.pop3  
Sample39.pop3  
Sample38.pop3  
Sample37.pop3  
Sample36.pop2  
Sample35.pop2  
Sample34.pop2  
Sample33.pop2  
Sample32.pop2  
Sample31.pop2  
Sample30.pop2  
Sample29.pop2  
Sample28.pop2  
Sample27.pop2  
Sample26.pop2  
Sample25.pop2  
Sample24.pop2  
Sample23.pop2  
Sample22.pop2  
Sample21.pop2  
Sample20.pop2  
Sample19.pop2  
Sample18.pop2  
Sample17.pop2  
Sample16.pop2  
Sample15.pop2  
Sample14.pop2  
Sample13.pop2  
Sample12.pop2  
Sample11.pop2  
Sample10.pop2  
Sample9.pop2  
Sample8.pop2  
Sample7.pop2  
Sample6.pop2  
Sample5.pop2  
Sample4.pop2  
Sample3.pop2  
Sample2.pop2  
Sample1.pop2  
Sample0.pop2  
Sample99.pop4  
Sample98.pop4  
Sample97.pop4  
Sample96.pop4  
Sample95.pop4  
Sample94.pop4  
Sample93.pop4  
Sample92.pop4  
Sample91.pop4  
Sample90.pop4  
Sample89.pop4  
Sample88.pop4  
Sample87.pop4  
Sample86.pop4  
Sample85.pop4  
Sample84.pop4  
Sample83.pop4  
Sample82.pop4  
Sample81.pop4

cluster1 cluster2 cluster3 cluster4 cluster5 cluster6 cluster7

Clusters

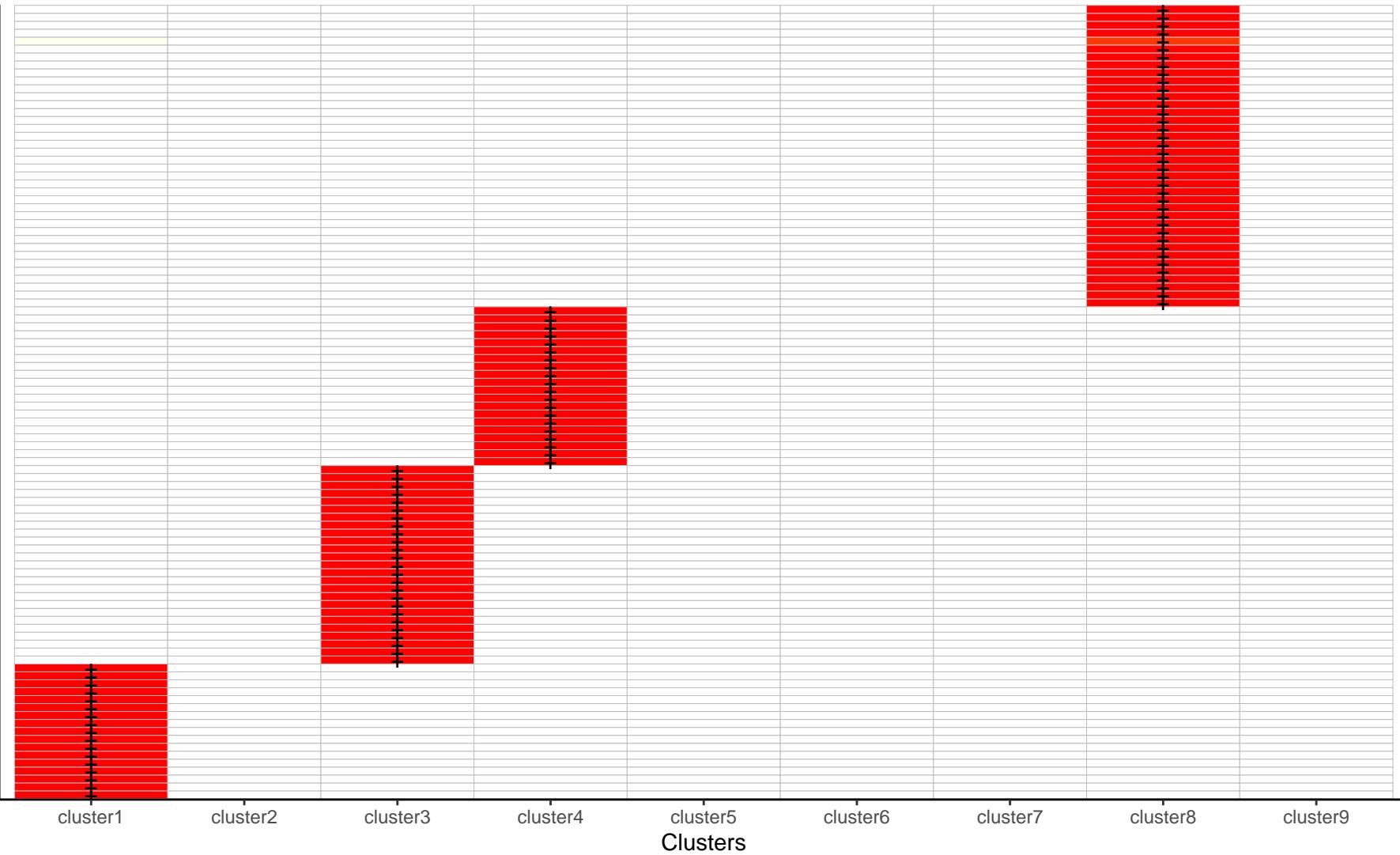
$K = 8$

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Sample75.pop3  
Sample74.pop3  
Sample73.pop3  
Sample72.pop3  
Sample71.pop3  
Sample70.pop3  
Sample69.pop3  
Sample68.pop3  
Sample67.pop3  
Sample66.pop3  
Sample65.pop3  
Sample64.pop3  
Sample63.pop3  
Sample62.pop3  
Sample61.pop3  
Sample60.pop3  
Sample59.pop3  
Sample58.pop3  
Sample57.pop3  
Sample56.pop3  
Sample55.pop3  
Sample54.pop3  
Sample53.pop3  
Sample52.pop3  
Sample51.pop3  
Sample50.pop3  
Sample49.pop3  
Sample48.pop3  
Sample47.pop3  
Sample46.pop3  
Sample45.pop3  
Sample44.pop3  
Sample43.pop3  
Sample42.pop3  
Sample41.pop3  
Sample40.pop3  
Sample39.pop3  
Sample38.pop3  
Sample37.pop3  
Sample36.pop3  
Sample35.pop3  
Sample34.pop3  
Sample33.pop3  
Sample32.pop3  
Sample31.pop3  
Sample30.pop3  
Sample29.pop3  
Sample28.pop3  
Sample27.pop3  
Sample26.pop3  
Sample25.pop3  
Sample24.pop3  
Sample23.pop3  
Sample22.pop3  
Sample21.pop3  
Sample20.pop3  
Sample19.pop3  
Sample18.pop3  
Sample17.pop3  
Sample16.pop3  
Sample15.pop3  
Sample14.pop3  
Sample13.pop3  
Sample12.pop3  
Sample11.pop3  
Sample10.pop3  
Sample9.pop3  
Sample8.pop3  
Sample7.pop3  
Sample6.pop3  
Sample5.pop3  
Sample4.pop3  
Sample3.pop3  
Sample2.pop3  
Sample1.pop3  
Sample99.pop4  
Sample98.pop4  
Sample97.pop4  
Sample96.pop4  
Sample95.pop4  
Sample94.pop4  
Sample93.pop4  
Sample92.pop4  
Sample91.pop4  
Sample90.pop4  
Sample89.pop4  
Sample88.pop4  
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Sample84.pop4  
Sample83.pop4  
Sample82.pop4  
Sample81.pop4

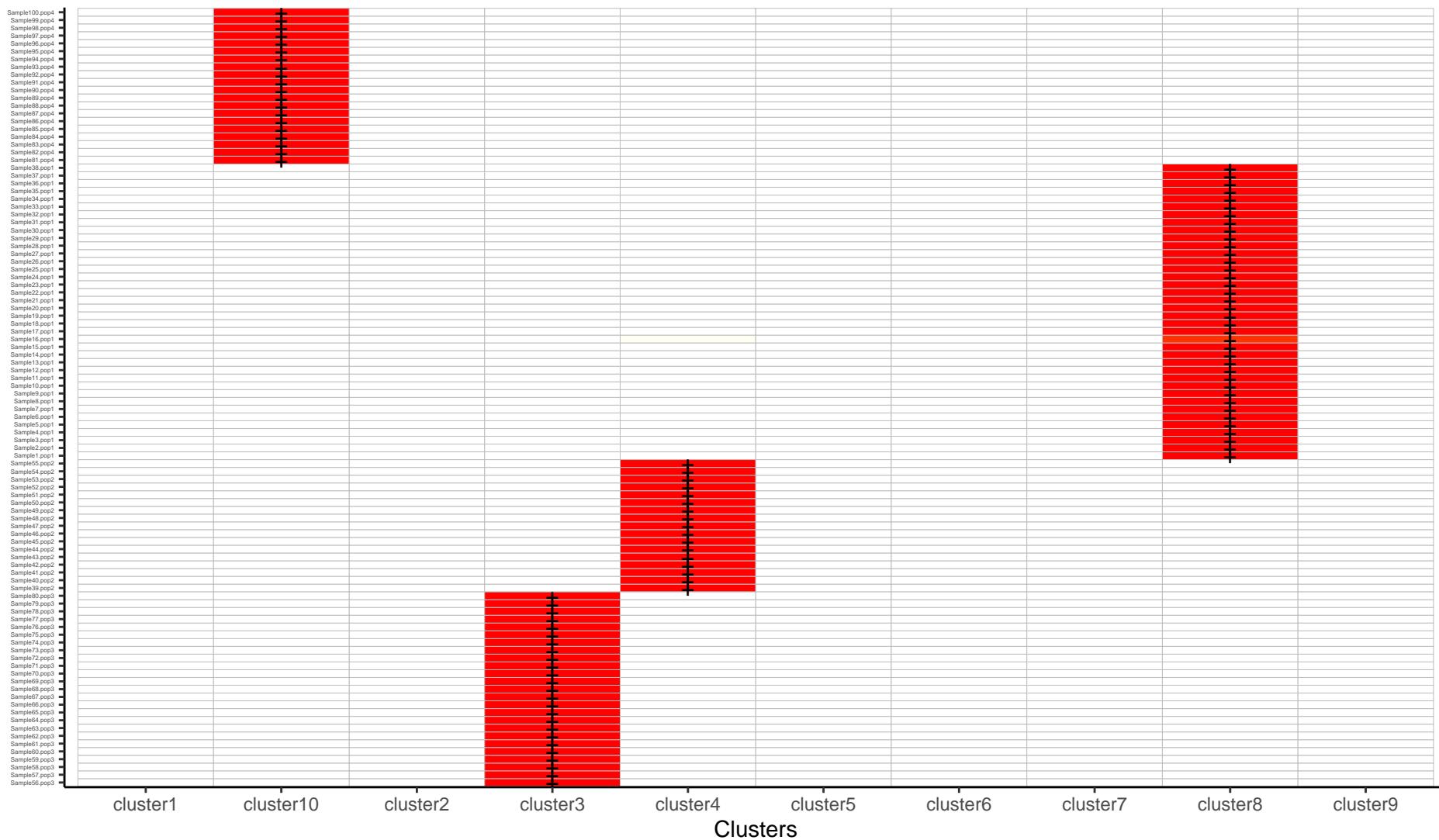


$K = 9$ 

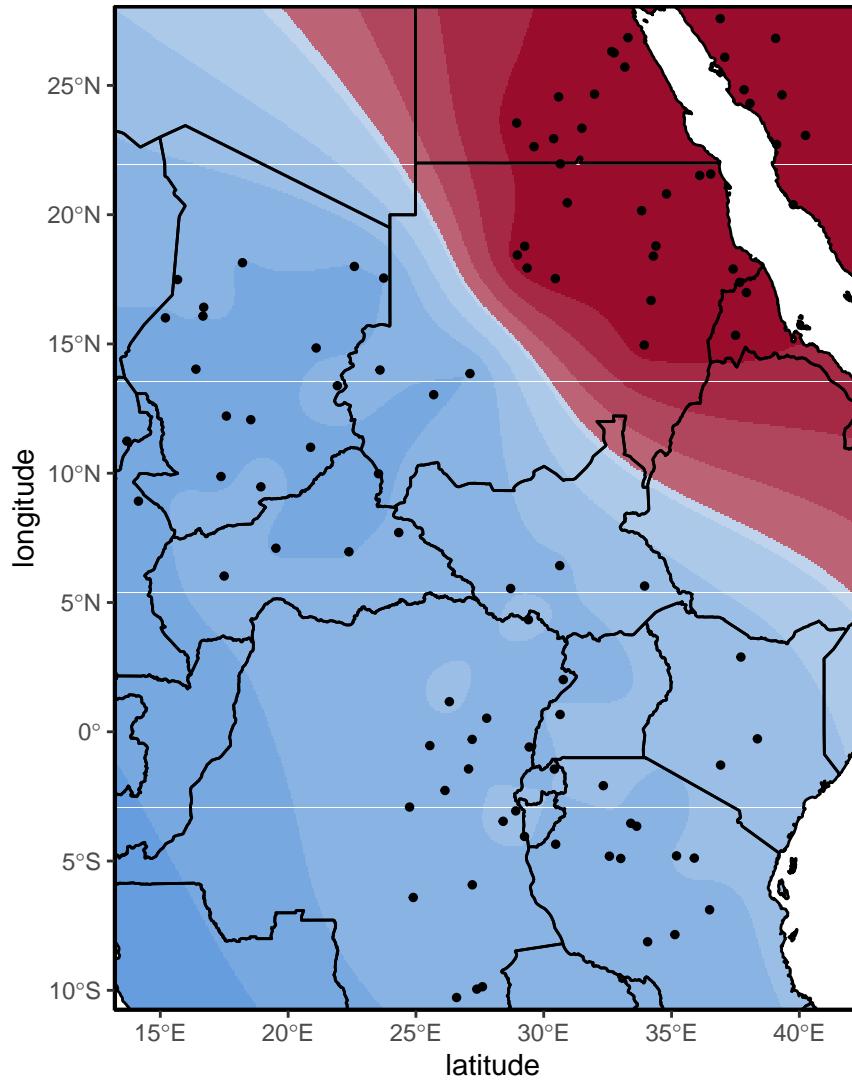
Sample38.pop1  
Sample37.pop1  
Sample36.pop1  
Sample35.pop1  
Sample34.pop1  
Sample33.pop1  
Sample31.pop1  
Sample30.pop1  
Sample29.pop1  
Sample28.pop1  
Sample27.pop1  
Sample26.pop1  
Sample25.pop1  
Sample24.pop1  
Sample23.pop1  
Sample22.pop1  
Sample21.pop1  
Sample20.pop1  
Sample19.pop1  
Sample18.pop1  
Sample17.pop1  
Sample16.pop1  
Sample15.pop1  
Sample14.pop1  
Sample13.pop1  
Sample12.pop1  
Sample11.pop1  
Sample10.pop1  
Sample9.pop1  
Sample8.pop1  
Sample7.pop1  
Sample6.pop1  
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Sample1.pop1  
Sample99.pop1  
Sample98.pop1  
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Sample84.pop1  
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Sample82.pop1  
Sample81.pop1  
Sample80.pop1  
Sample79.pop1  
Sample78.pop1  
Sample77.pop1  
Sample76.pop1  
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Sample69.pop1  
Sample68.pop1  
Sample67.pop1  
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Sample62.pop1  
Sample61.pop1  
Sample60.pop1  
Sample59.pop1  
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Sample56.pop1  
Sample55.pop1  
Sample54.pop1  
Sample53.pop1  
Sample52.pop1  
Sample51.pop1  
Sample50.pop1  
Sample49.pop1  
Sample48.pop1  
Sample47.pop1  
Sample46.pop1  
Sample45.pop1  
Sample44.pop1  
Sample43.pop1  
Sample42.pop1  
Sample41.pop1  
Sample40.pop1  
Sample39.pop1



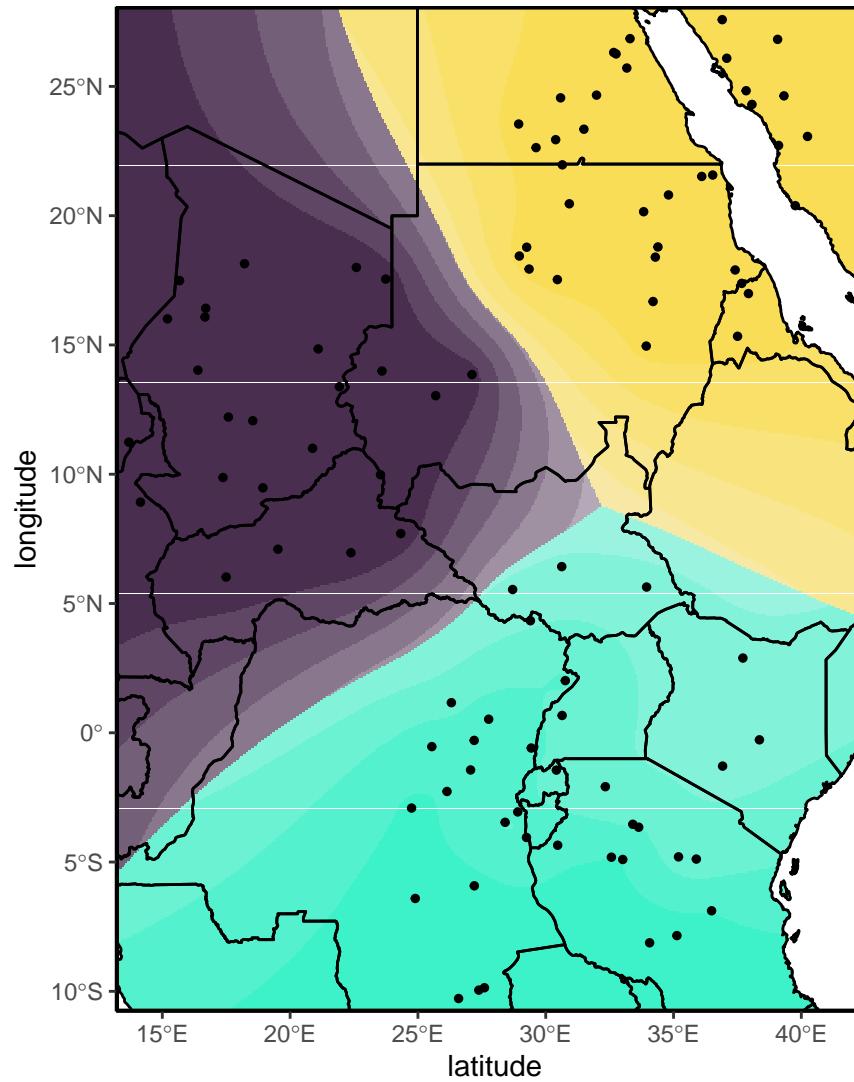
**K = 10**



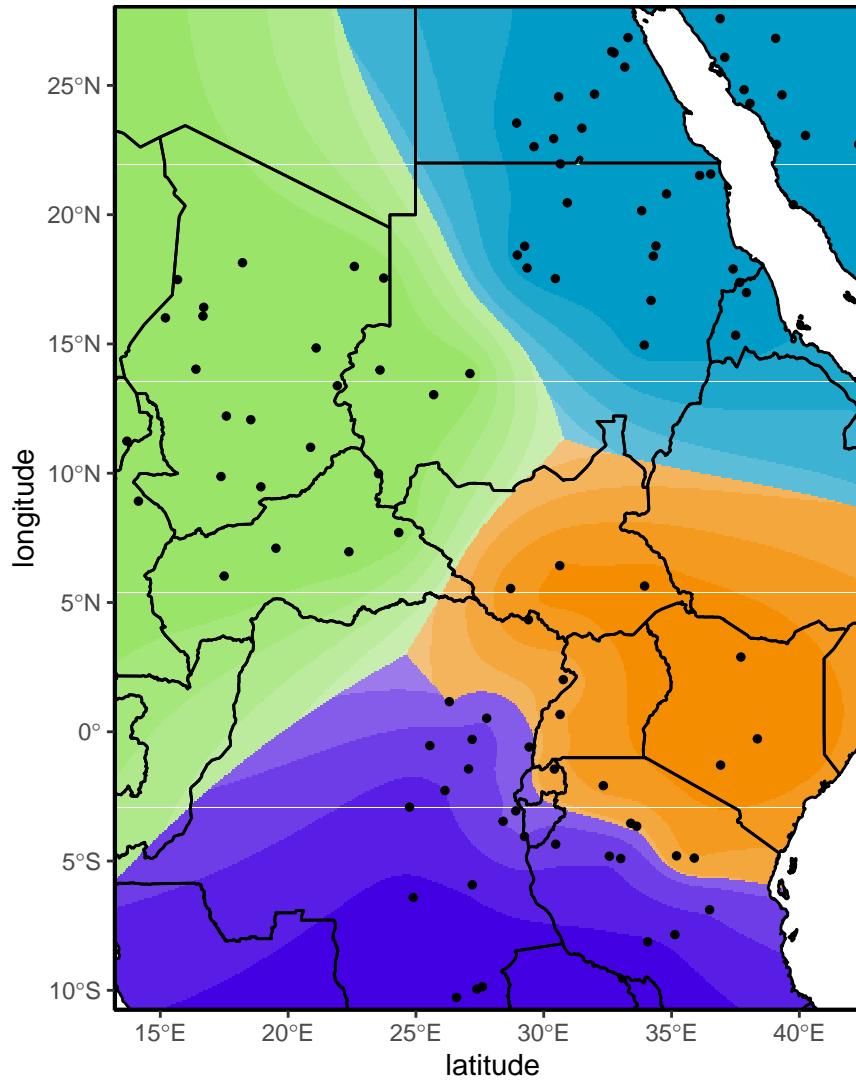
Ancestry coefficients; K=2



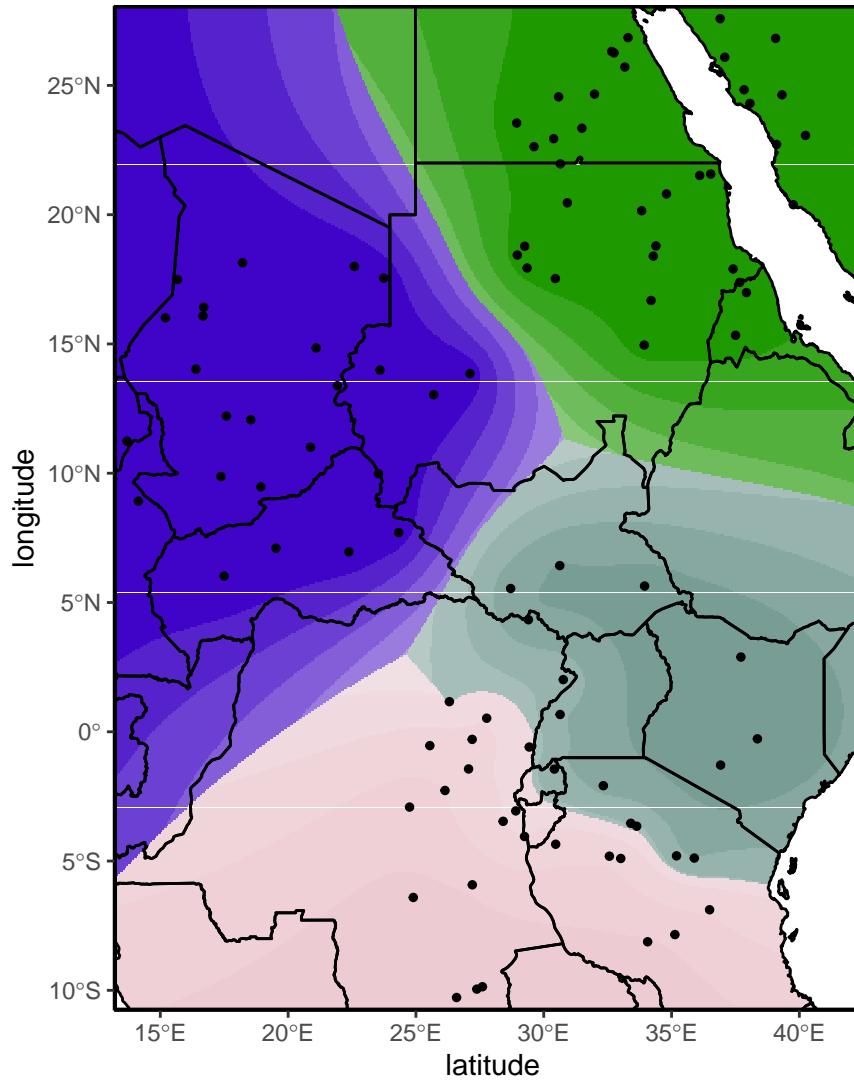
Ancestry coefficients; K=3



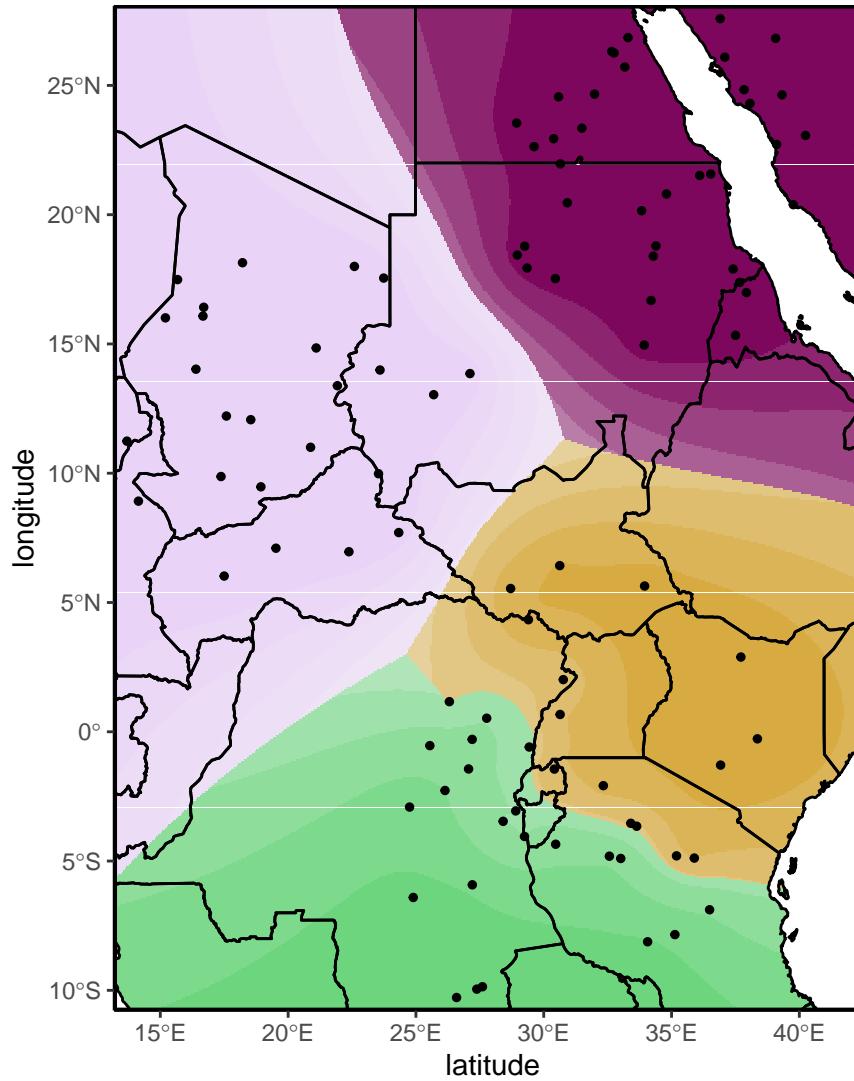
Ancestry coefficients; K=4



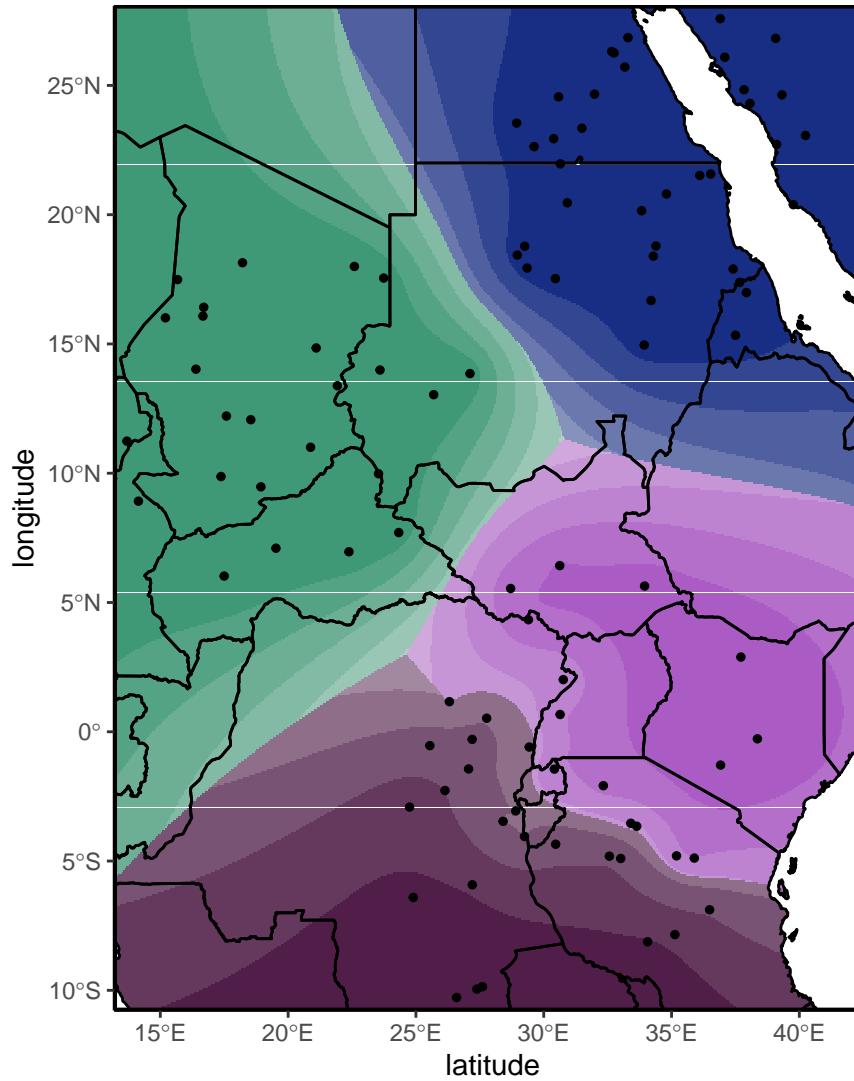
Ancestry coefficients; K=5



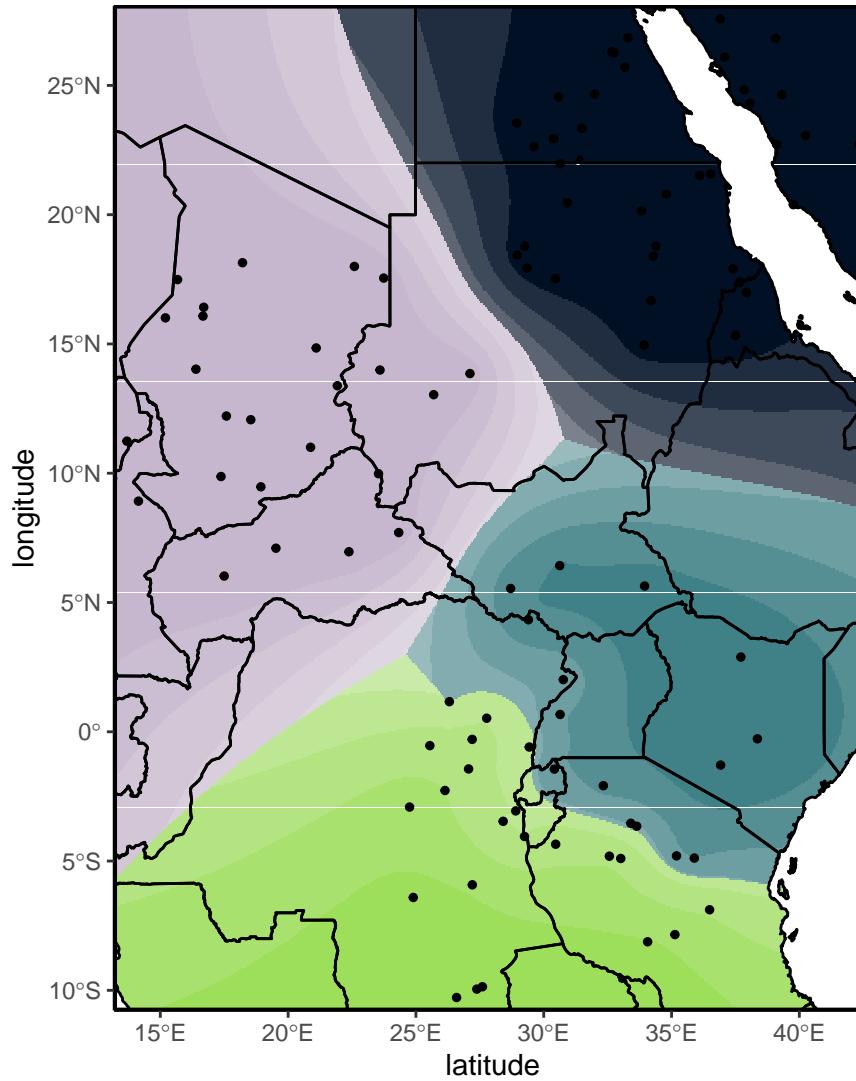
Ancestry coefficients; K=6



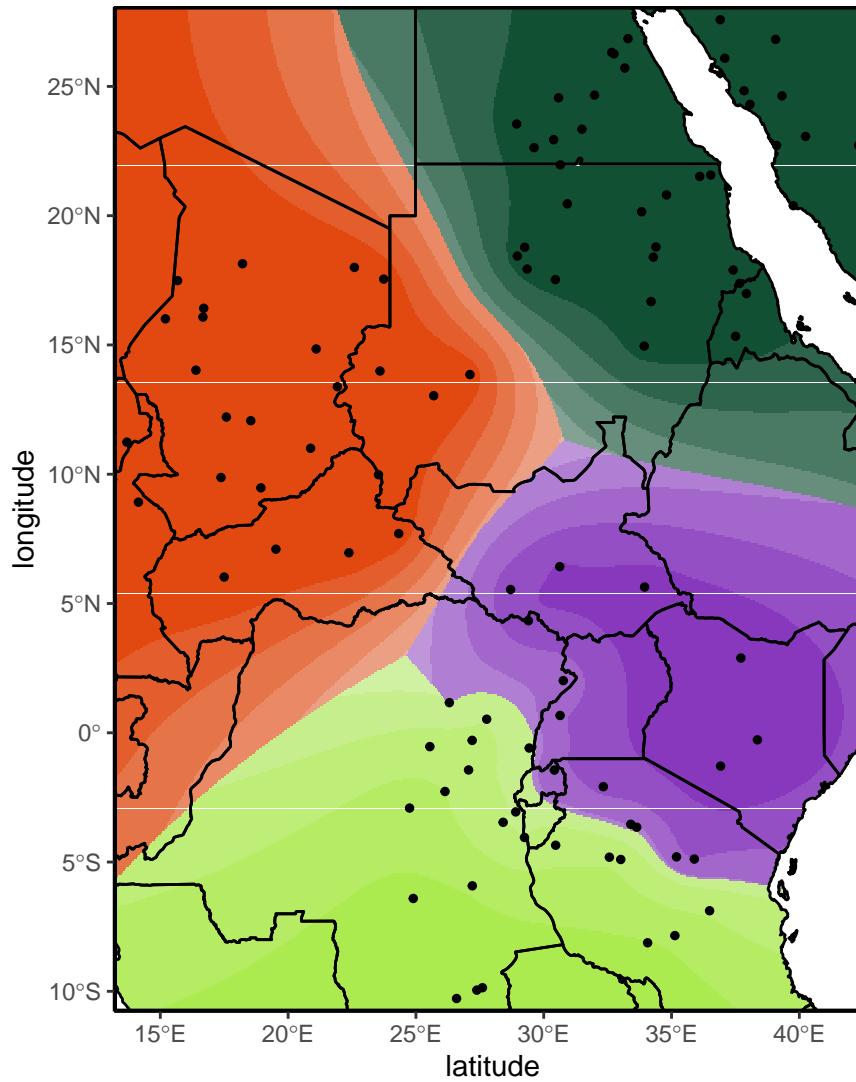
Ancestry coefficients; K=7



Ancestry coefficients; K=8



Ancestry coefficients; K=9



Ancestry coefficients; K=10

