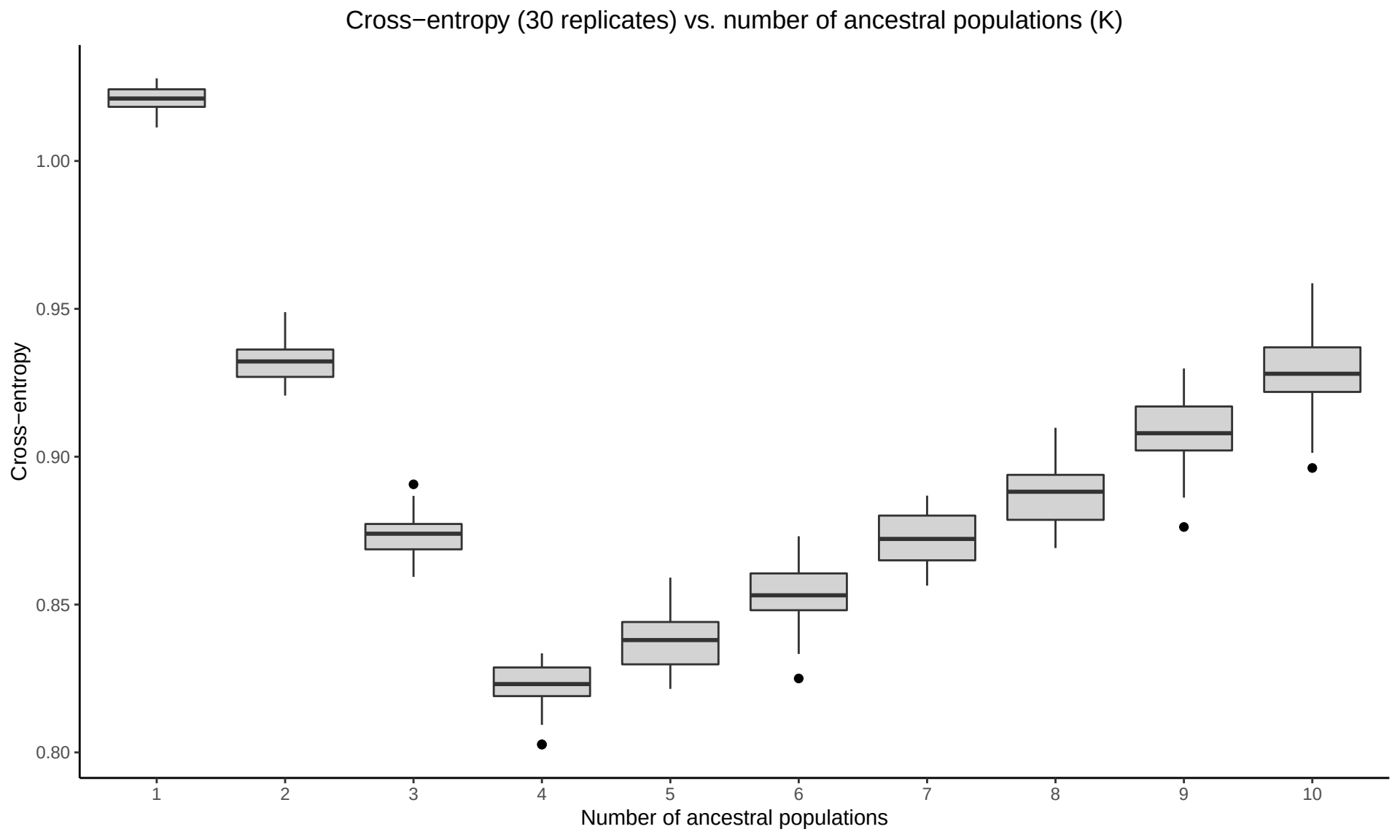
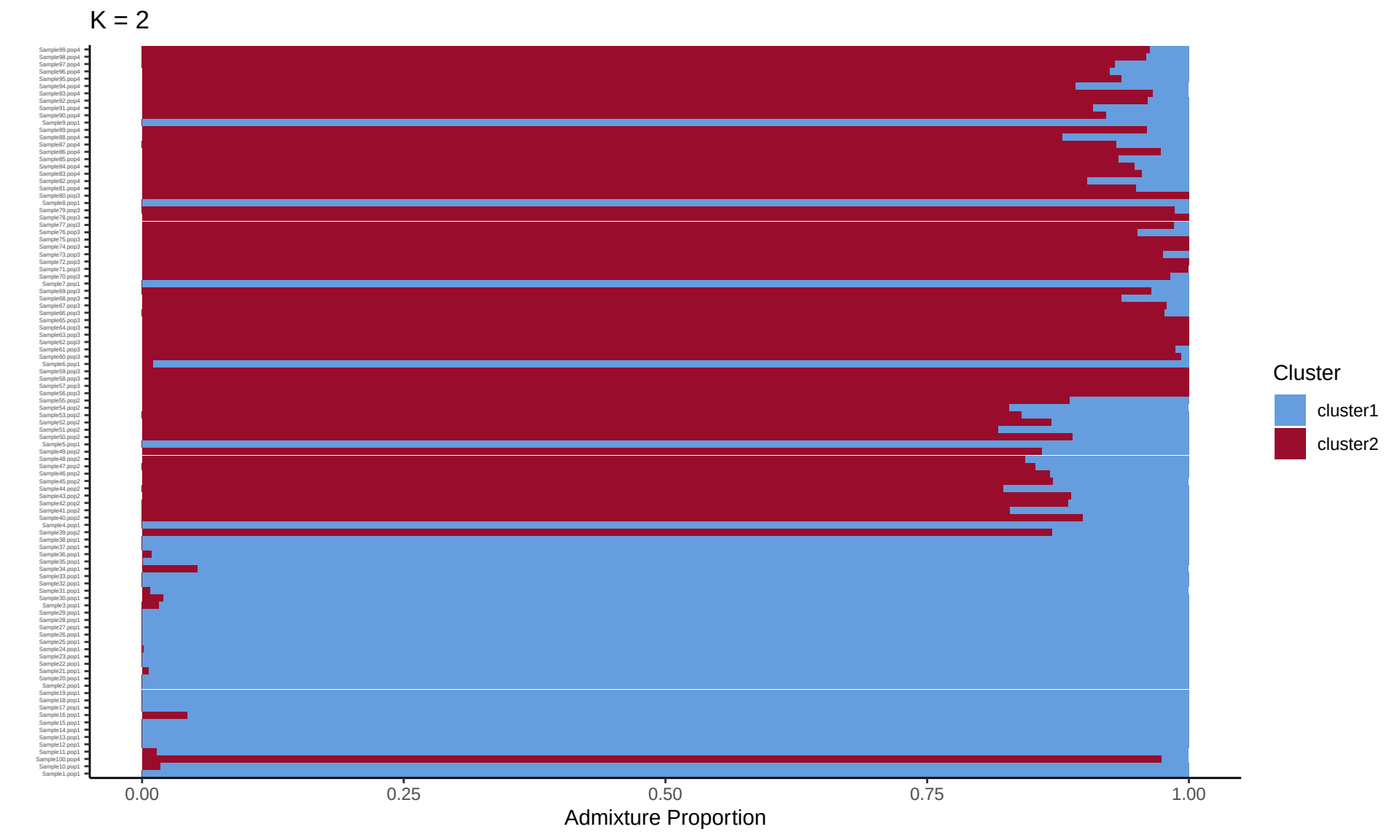
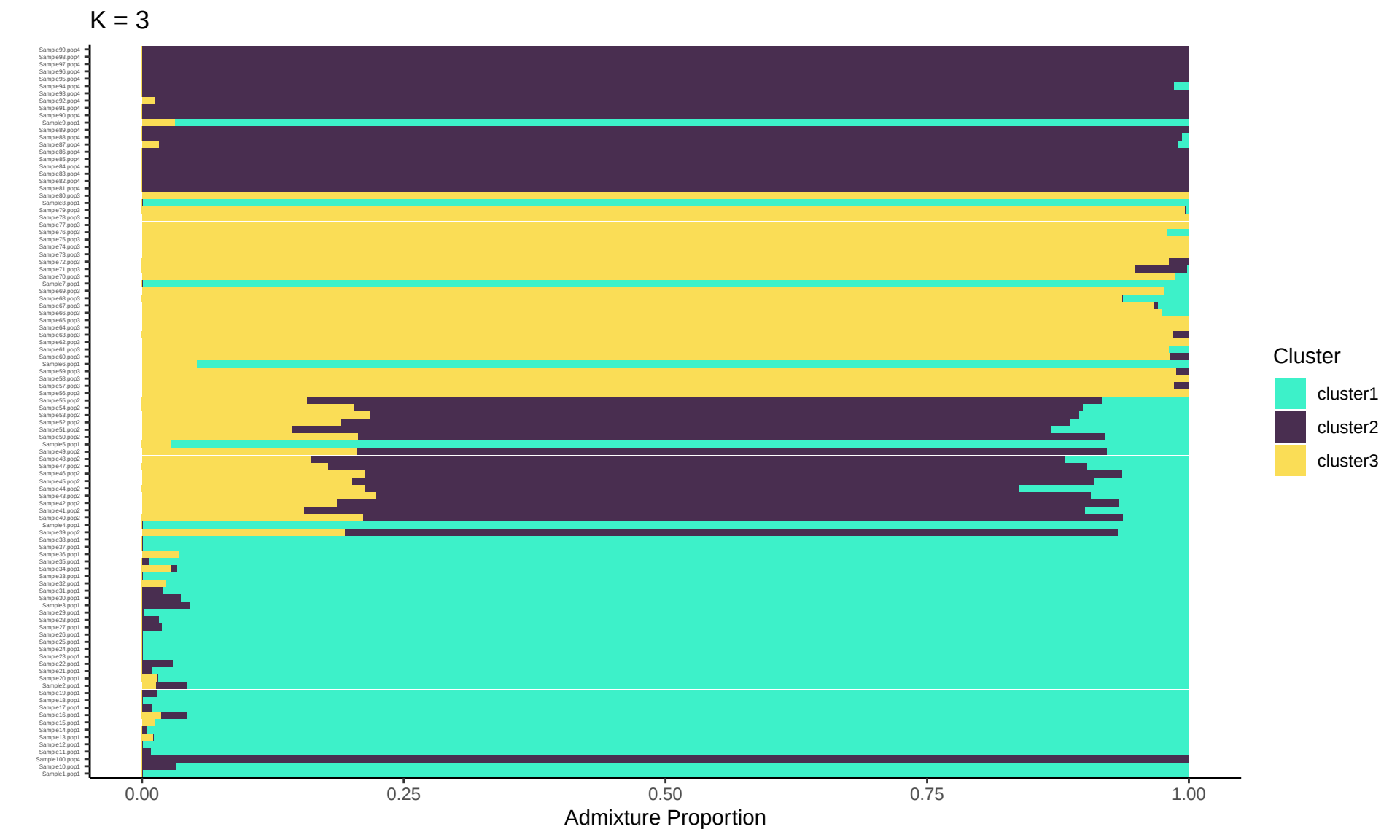
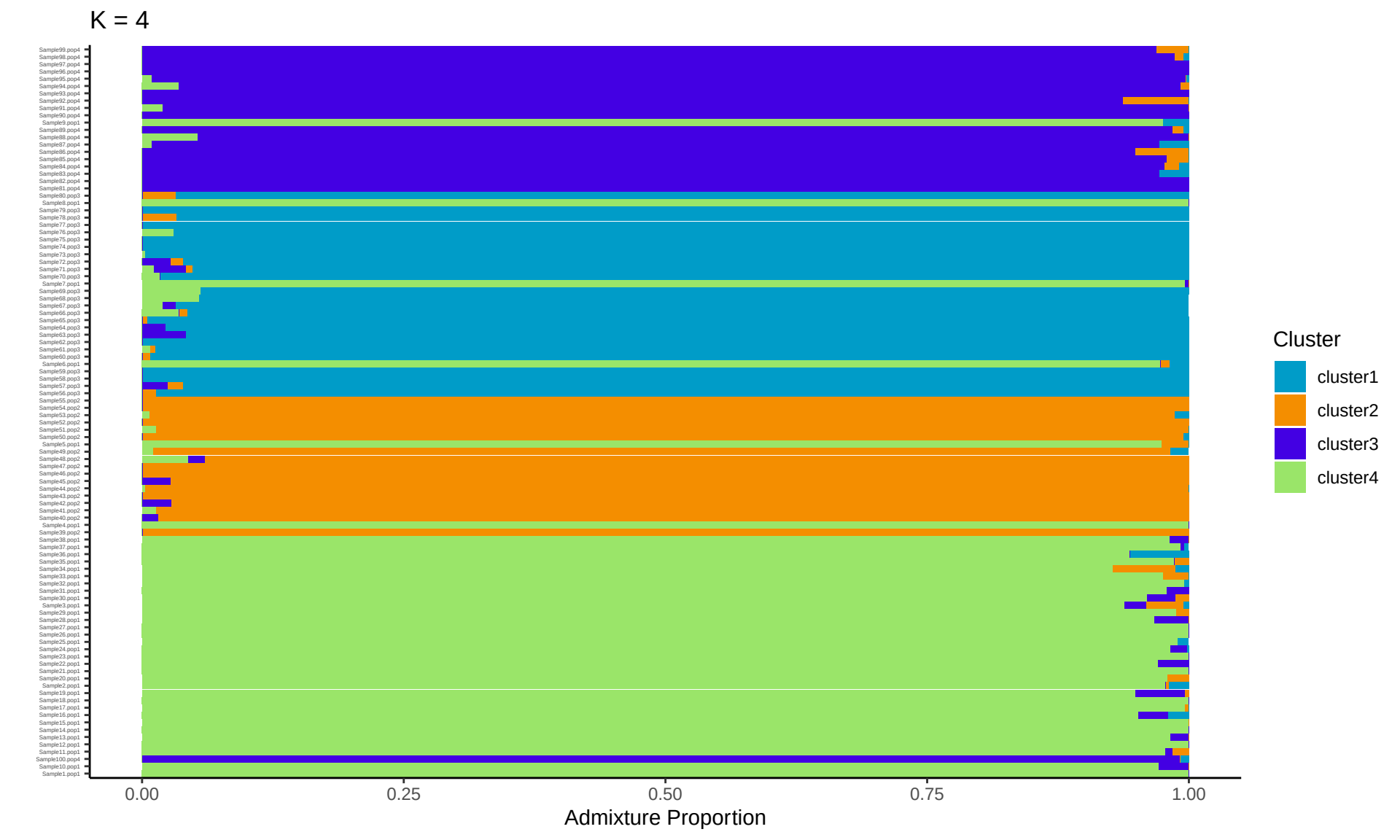
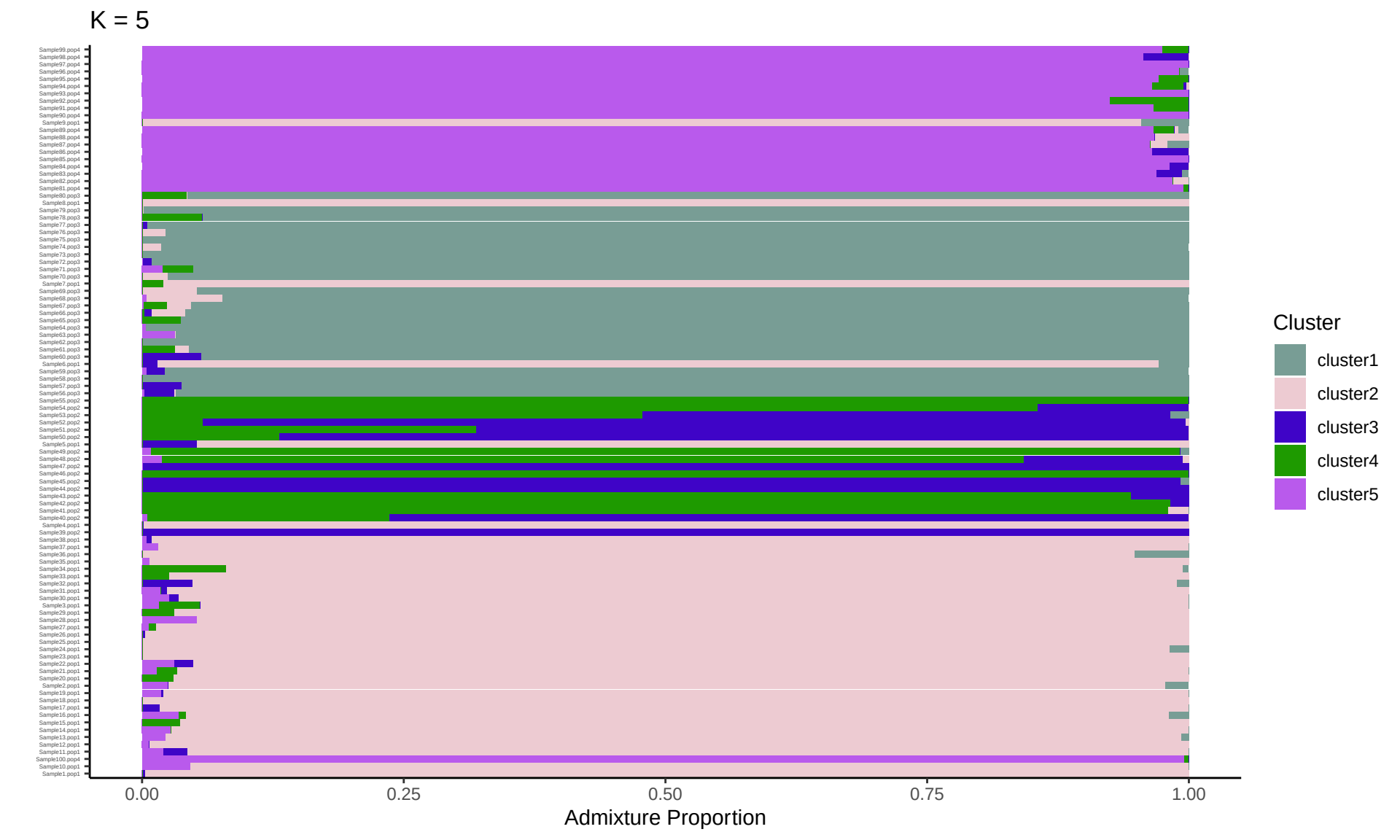
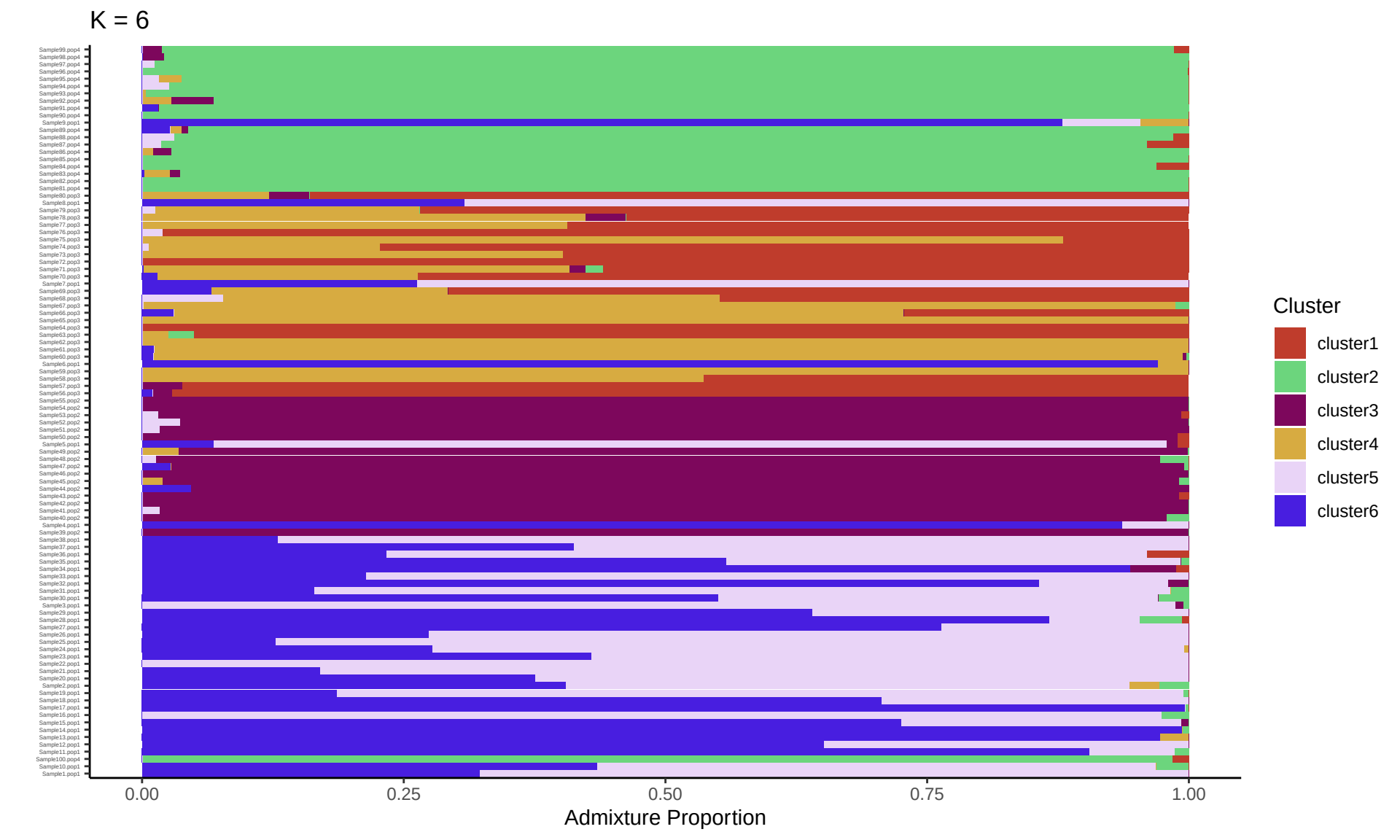

Cross−entropy (30 replicates) vs. number of ancestral populations (K)
Cross−entropy
1.00
0.95
0.90
0.85
0.80
1
2
3
4
5
6
7
8
9
10
Number of ancestral populations

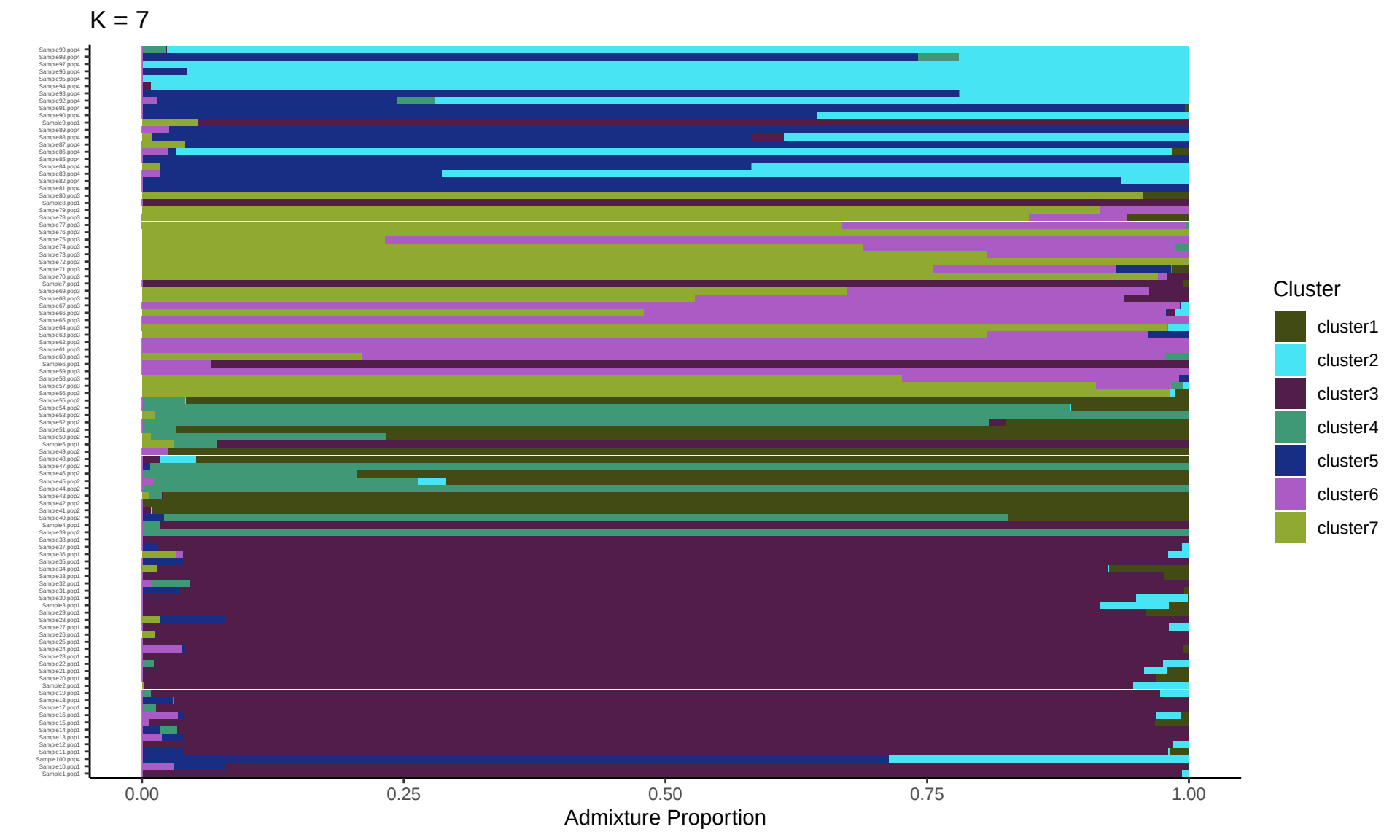

K = 2
Sample99.pop4
Sample98.pop4
Sample97.pop4
Sample96.pop4
Sample95.pop4
Sample94.pop4
Sample93.pop4
Sample92.pop4
Sample91.pop4
Sample90.pop4
Sample9.pop1
Sample89.pop4
Sample88.pop4
Sample87.pop4
Sample86.pop4
Sample85.pop4
Sample84.pop4
Sample83.pop4
Sample82.pop4
Sample81.pop4
Sample80.pop3
Sample8.pop1
Sample79.pop3
Sample78.pop3
Sample77.pop3
Sample76.pop3
Sample75.pop3
Sample74.pop3
Sample73.pop3
Sample72.pop3
Sample71.pop3
Sample70.pop3
Sample7.pop1
Sample69.pop3
Sample68.pop3
Sample67.pop3
Sample66.pop3
Sample65.pop3
Sample64.pop3
Sample63.pop3
Sample62.pop3
Sample61.pop3
Sample60.pop3
Sample6.pop1
Sample59.pop3
Sample58.pop3
Sample57.pop3
Sample56.pop3
Sample55.pop2
Sample54.pop2
Sample53.pop2
Sample52.pop2
Sample51.pop2
Sample50.pop2
Sample5.pop1
Sample49.pop2
Sample48.pop2
Sample47.pop2
Sample46.pop2
Sample45.pop2
Sample44.pop2
Sample43.pop2
Sample42.pop2
Sample41.pop2
Sample40.pop2
Sample4.pop1
Sample39.pop2
Sample38.pop1
Sample37.pop1
Sample36.pop1
Sample35.pop1
Sample34.pop1
Sample33.pop1
Sample32.pop1
Sample31.pop1
Sample30.pop1
Sample3.pop1
Sample29.pop1
Sample28.pop1
Sample27.pop1
Sample26.pop1
Sample25.pop1
Sample24.pop1
Sample23.pop1
Sample22.pop1
Sample21.pop1
Sample20.pop1
Sample2.pop1
Sample19.pop1
Sample18.pop1
Sample17.pop1
Sample16.pop1
Sample15.pop1
Sample14.pop1
Sample13.pop1
Sample12.pop1
Sample11.pop1
Sample100.pop4
Sample10.pop1
Sample1.pop1
0.00
0.25
0.50
0.75
1.00
Admixture Proportion
Cluster
cluster1
cluster2

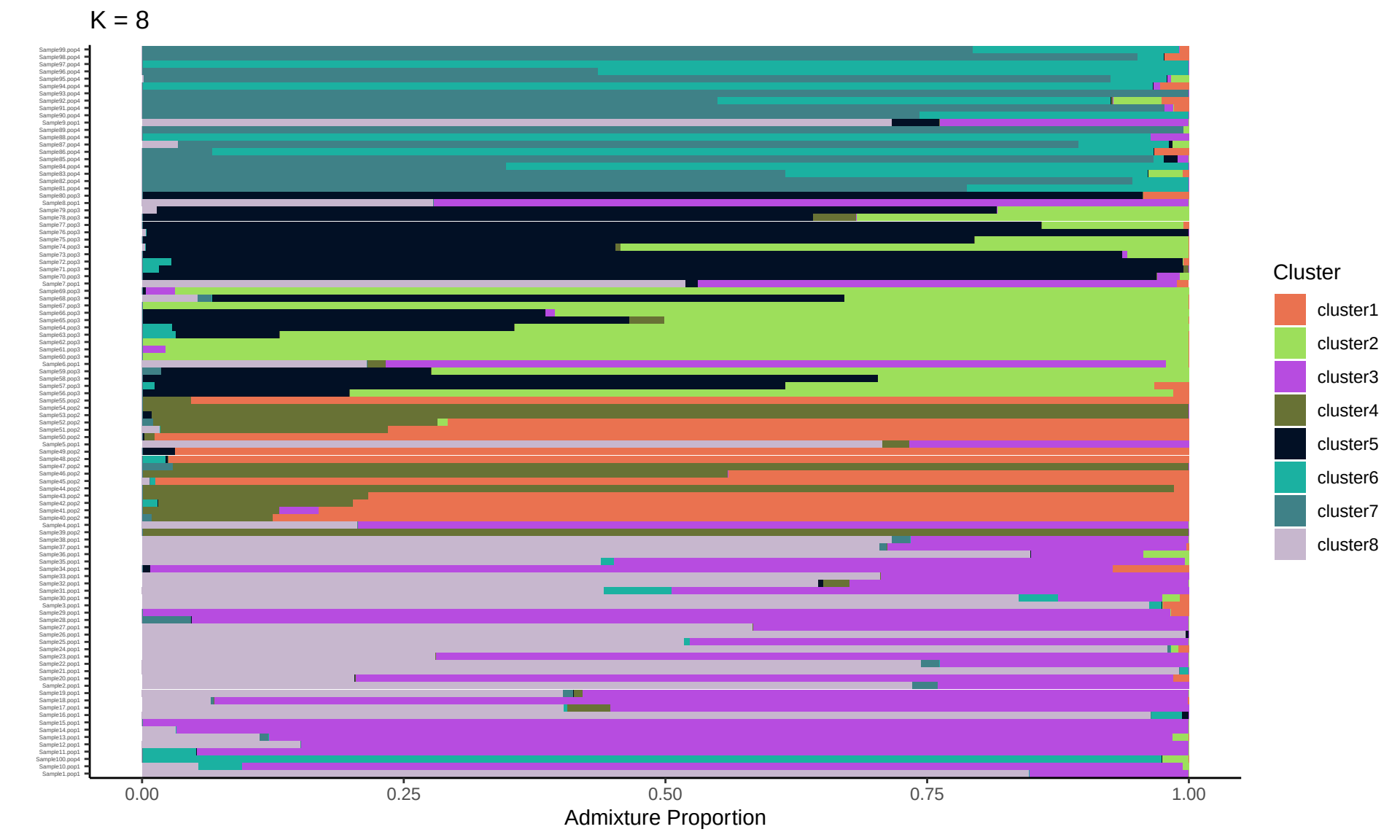

K = 3
Sample99.pop4
Sample98.pop4
Sample97.pop4
Sample96.pop4
Sample95.pop4
Sample94.pop4
Sample93.pop4
Sample92.pop4
Sample91.pop4
Sample90.pop4
Sample9.pop1
Sample89.pop4
Sample88.pop4
Sample87.pop4
Sample86.pop4
Sample85.pop4
Sample84.pop4
Sample83.pop4
Sample82.pop4
Sample81.pop4
Sample80.pop3
Sample8.pop1
Sample79.pop3
Sample78.pop3
Sample77.pop3
Sample76.pop3
Sample75.pop3
Sample74.pop3
Sample73.pop3
Sample72.pop3
Sample71.pop3
Sample70.pop3
Sample7.pop1
Sample69.pop3
Sample68.pop3
Sample67.pop3
Sample66.pop3
Sample65.pop3
Sample64.pop3
Sample63.pop3
Sample62.pop3
Sample61.pop3
Sample60.pop3
Sample6.pop1
Sample59.pop3
Sample58.pop3
Sample57.pop3
Sample56.pop3
Sample55.pop2
Sample54.pop2
Sample53.pop2
Sample52.pop2
Sample51.pop2
Sample50.pop2
Sample5.pop1
Sample49.pop2
Sample48.pop2
Sample47.pop2
Sample46.pop2
Sample45.pop2
Sample44.pop2
Sample43.pop2
Sample42.pop2
Sample41.pop2
Sample40.pop2
Sample4.pop1
Sample39.pop2
Sample38.pop1
Sample37.pop1
Sample36.pop1
Sample35.pop1
Sample34.pop1
Sample33.pop1
Sample32.pop1
Sample31.pop1
Sample30.pop1
Sample3.pop1
Sample29.pop1
Sample28.pop1
Sample27.pop1
Sample26.pop1
Sample25.pop1
Sample24.pop1
Sample23.pop1
Sample22.pop1
Sample21.pop1
Sample20.pop1
Sample2.pop1
Sample19.pop1
Sample18.pop1
Sample17.pop1
Sample16.pop1
Sample15.pop1
Sample14.pop1
Sample13.pop1
Sample12.pop1
Sample11.pop1
Sample100.pop4
Sample10.pop1
Sample1.pop1
0.00
0.25
0.50
0.75
1.00
Admixture Proportion
Cluster
cluster1
cluster2
cluster3

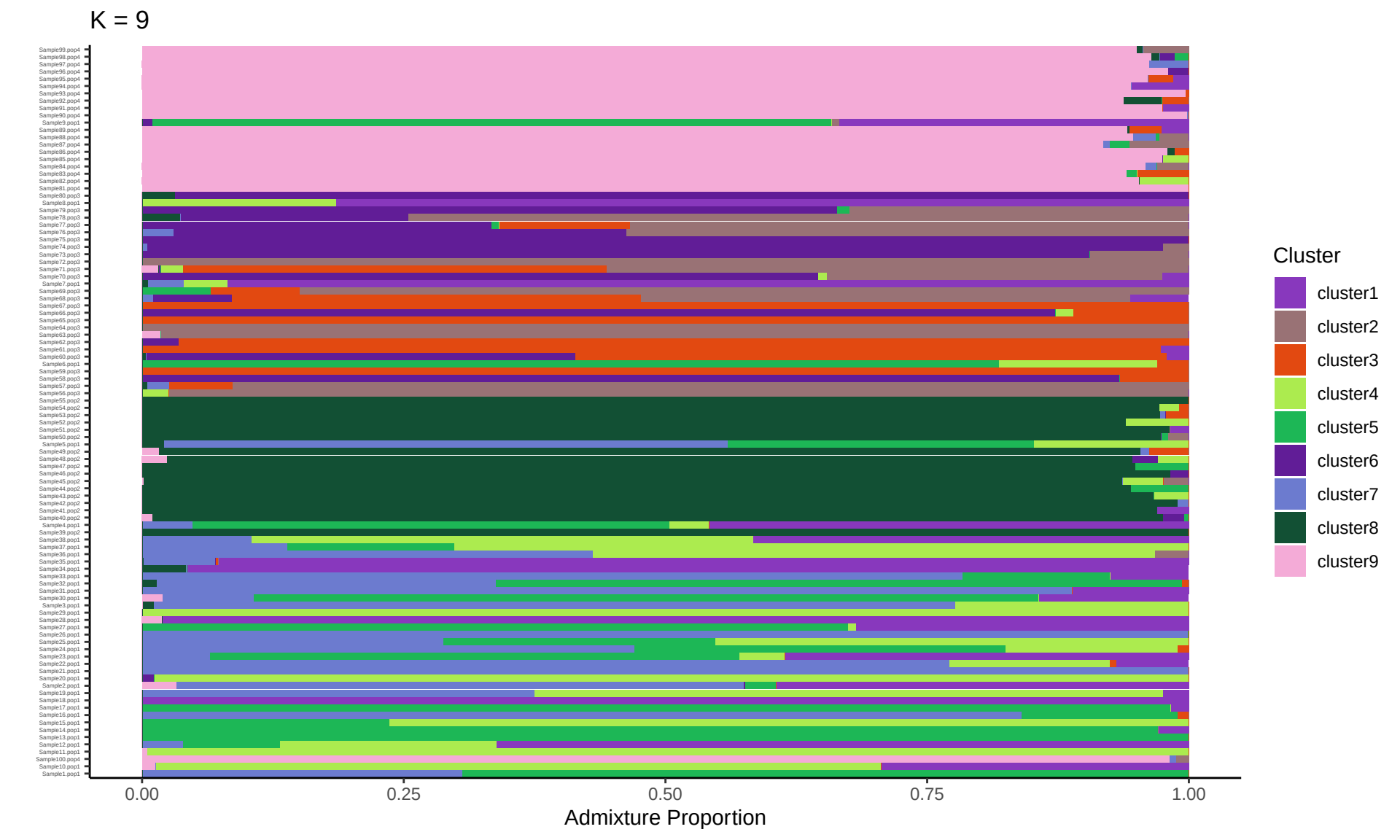

K = 4
Cluster
cluster1
cluster2
cluster3
cluster4
0.00
0.25
0.50
0.75
1.00
Admixture Proportion

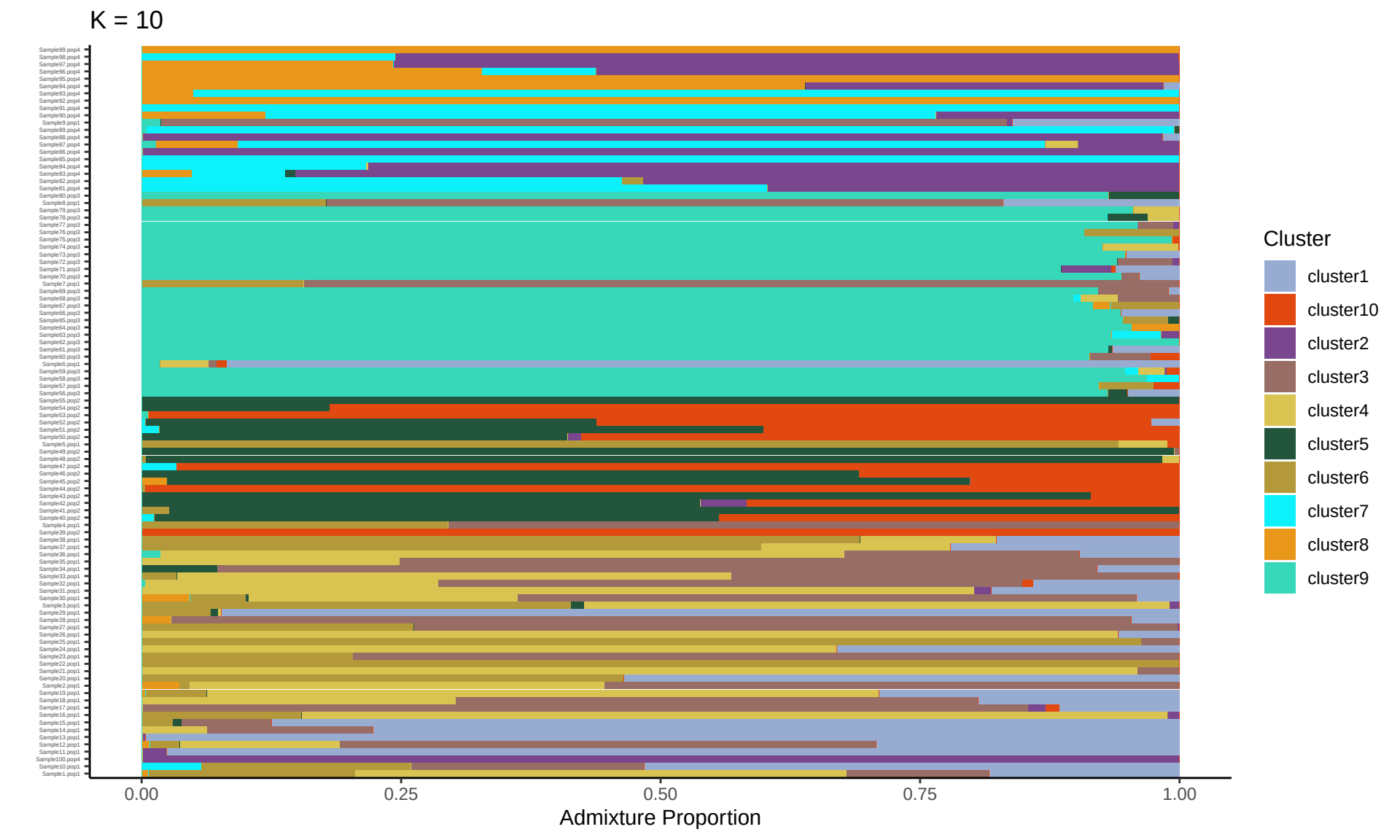

K = 5
Cluster
cluster1
cluster2
cluster3
cluster4
cluster5
0.00
0.25
0.50
0.75
1.00
Admixture Proportion

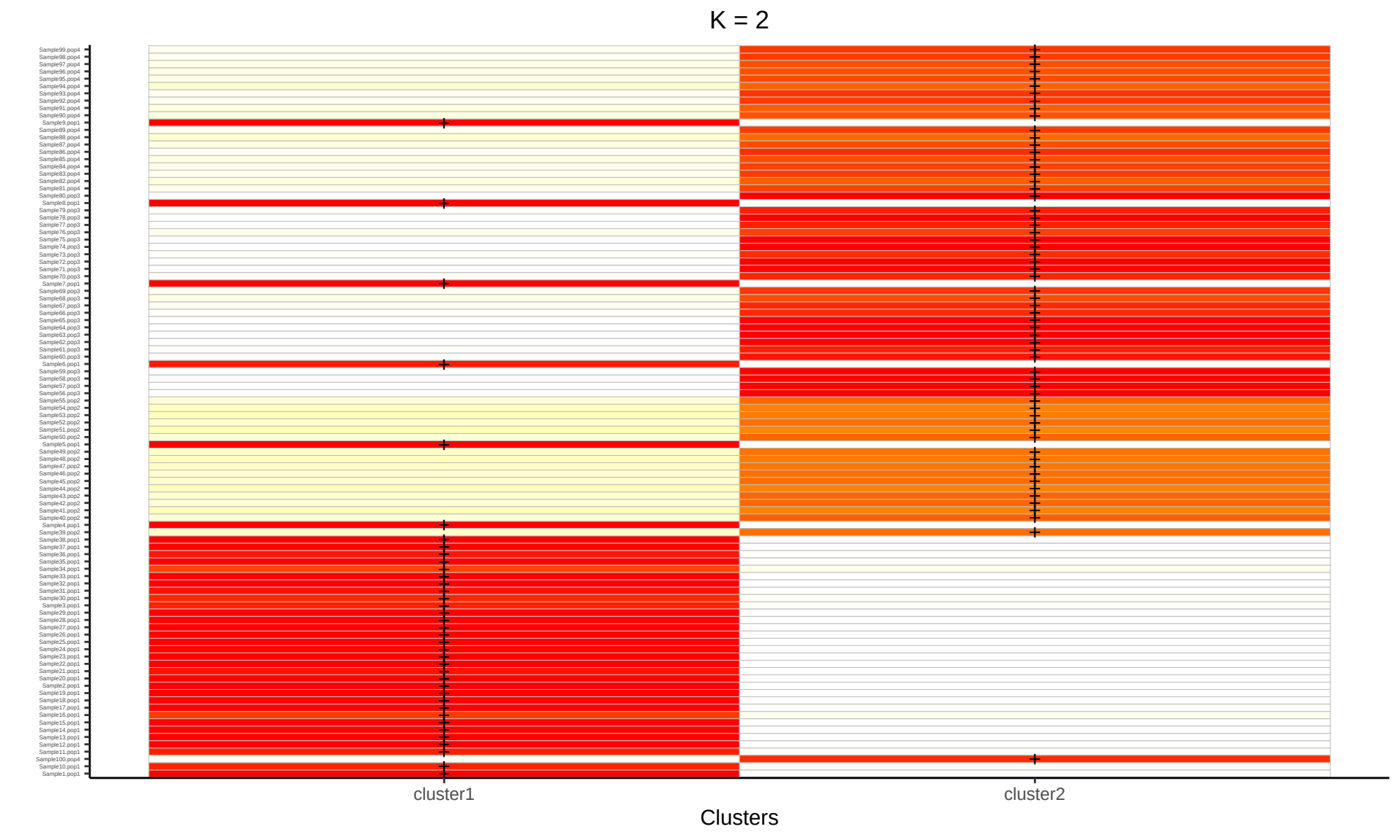

K = 6
Cluster
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
0.00
0.25
0.50
0.75
1.00
Admixture Proportion

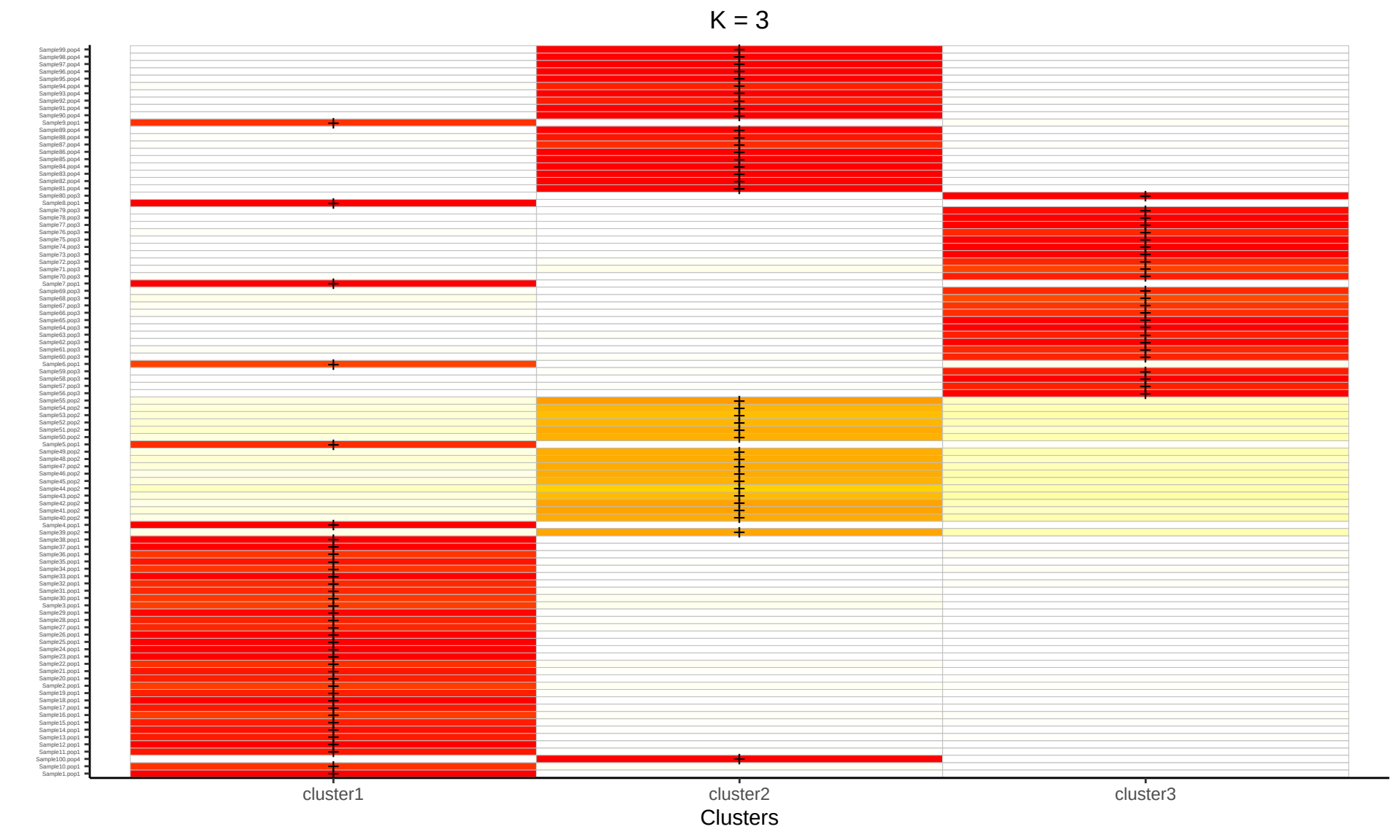

K = 7
Cluster
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
0.00
0.25
0.50
0.75
1.00
Admixture Proportion

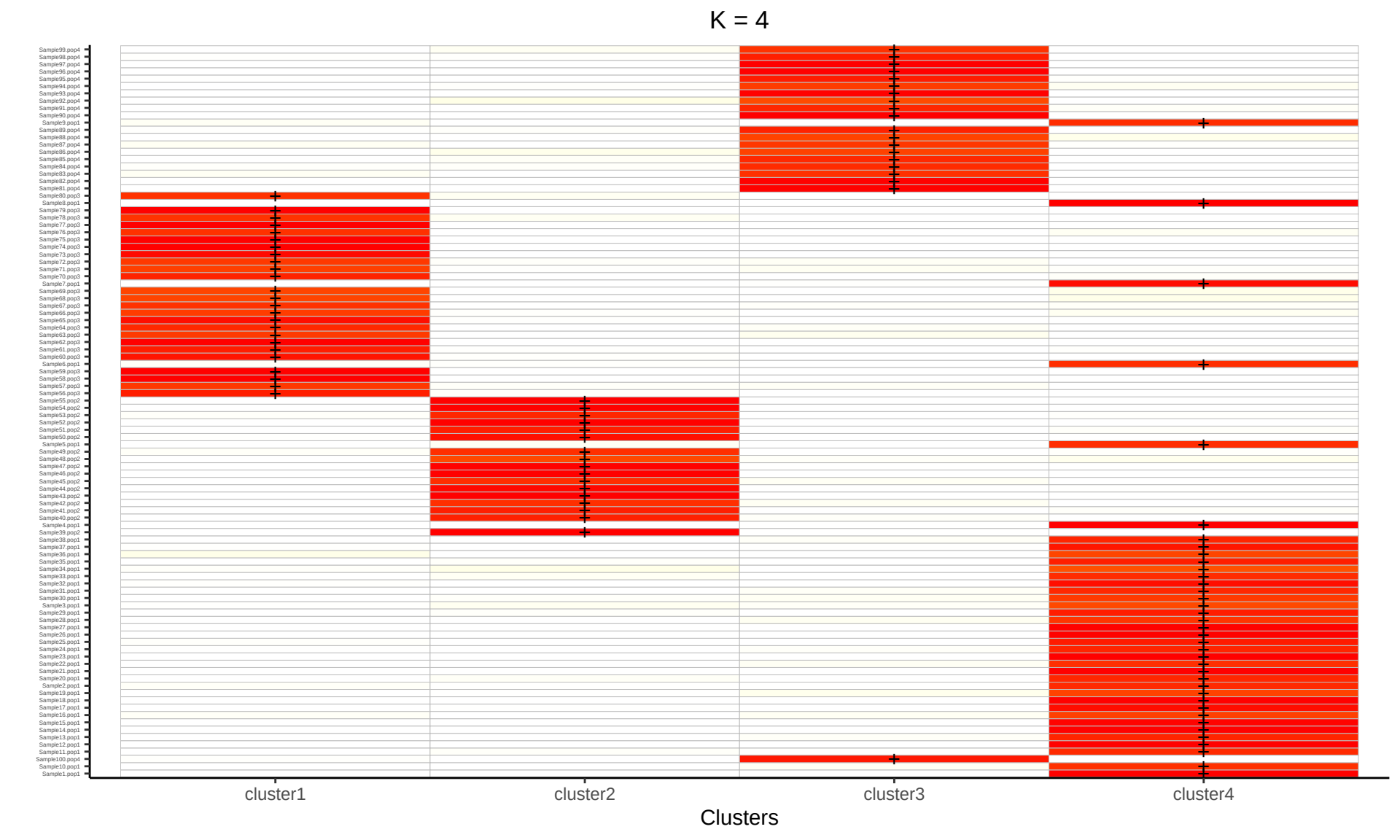

K = 8
Cluster
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
cluster8
0.00
0.25
0.50
0.75
1.00
Admixture Proportion

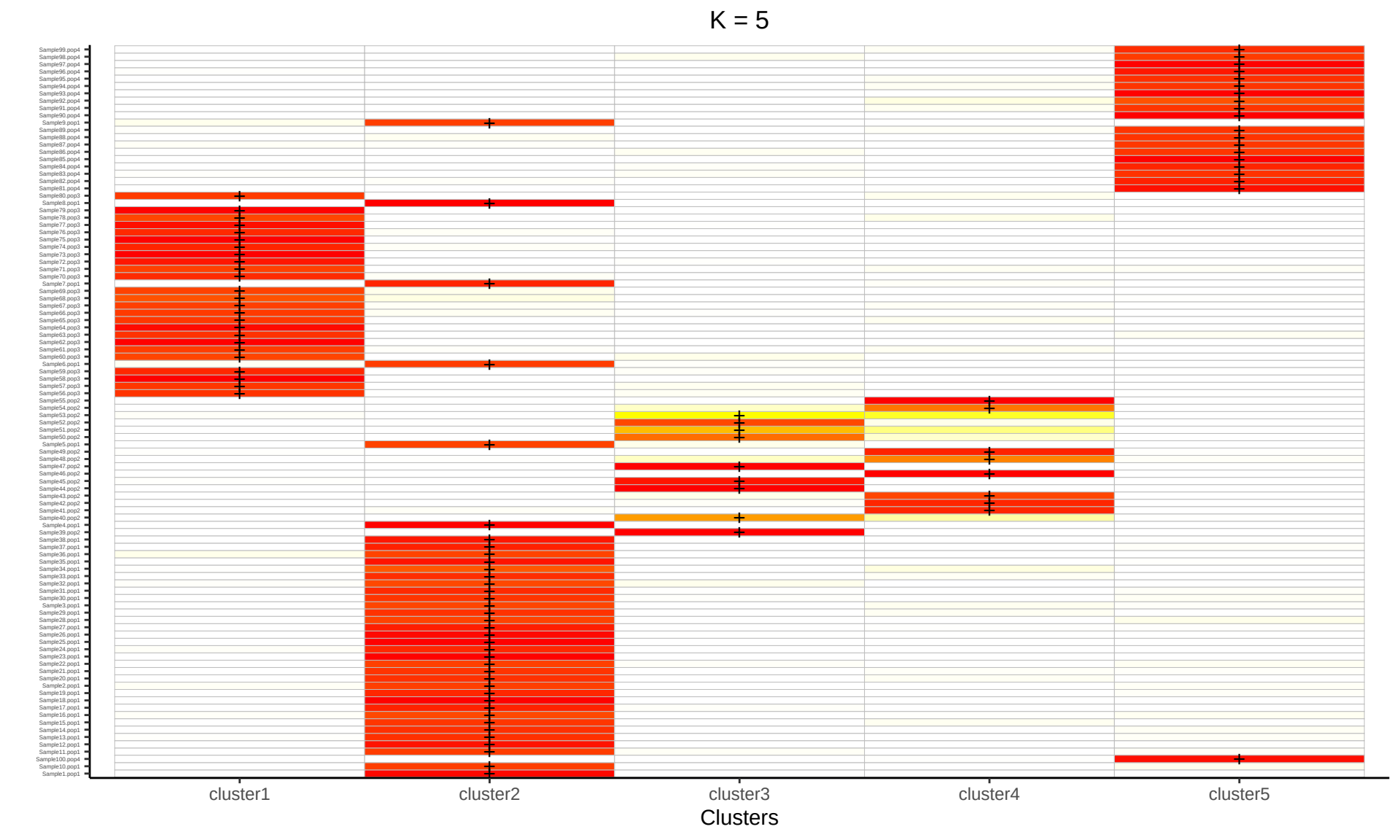

K = 9
Cluster
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
cluster8
cluster9
0.00
0.25
0.50
0.75
1.00
Admixture Proportion

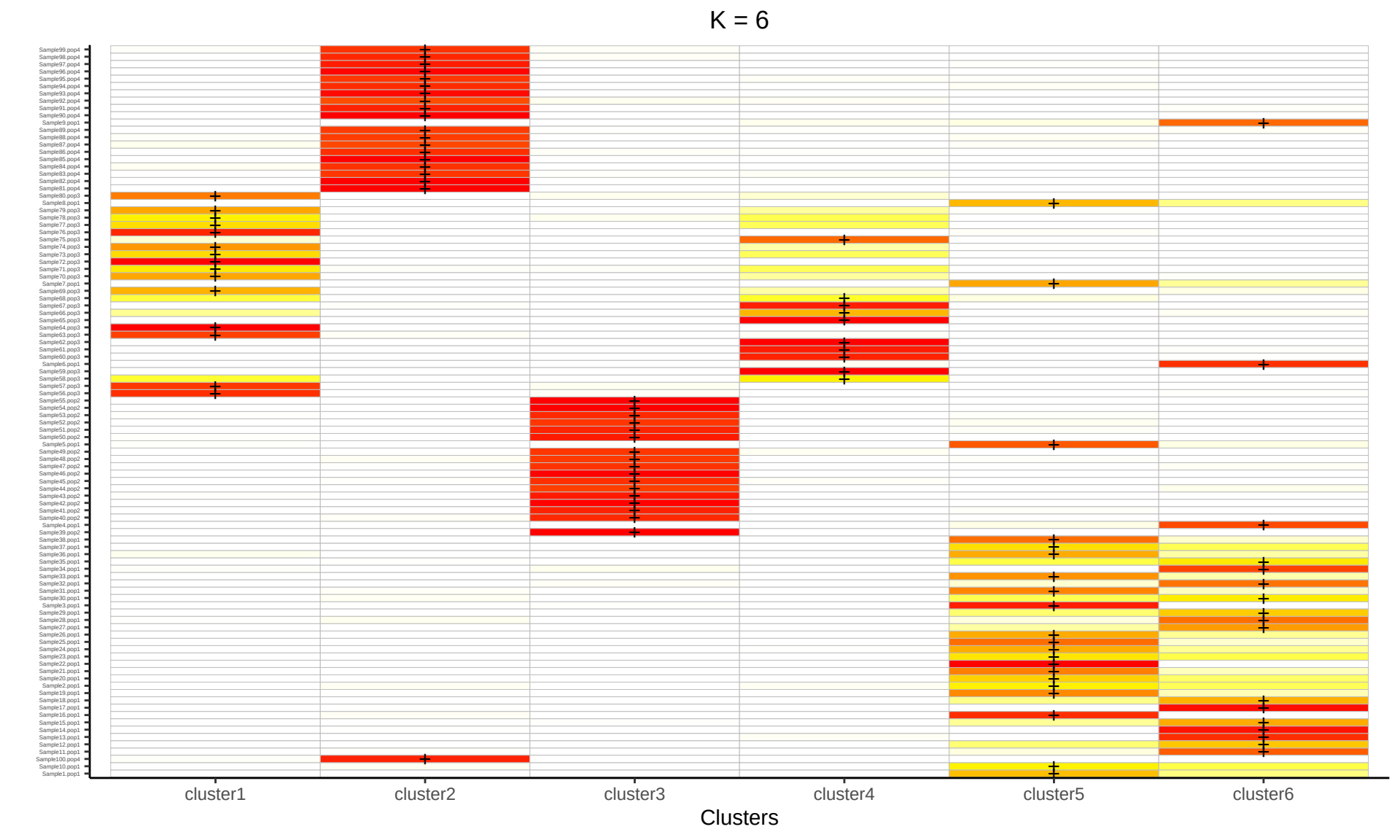

K = 10
Cluster
cluster1
cluster10
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
cluster8
cluster9
0.00
0.25
0.50
0.75
1.00
Admixture Proportion

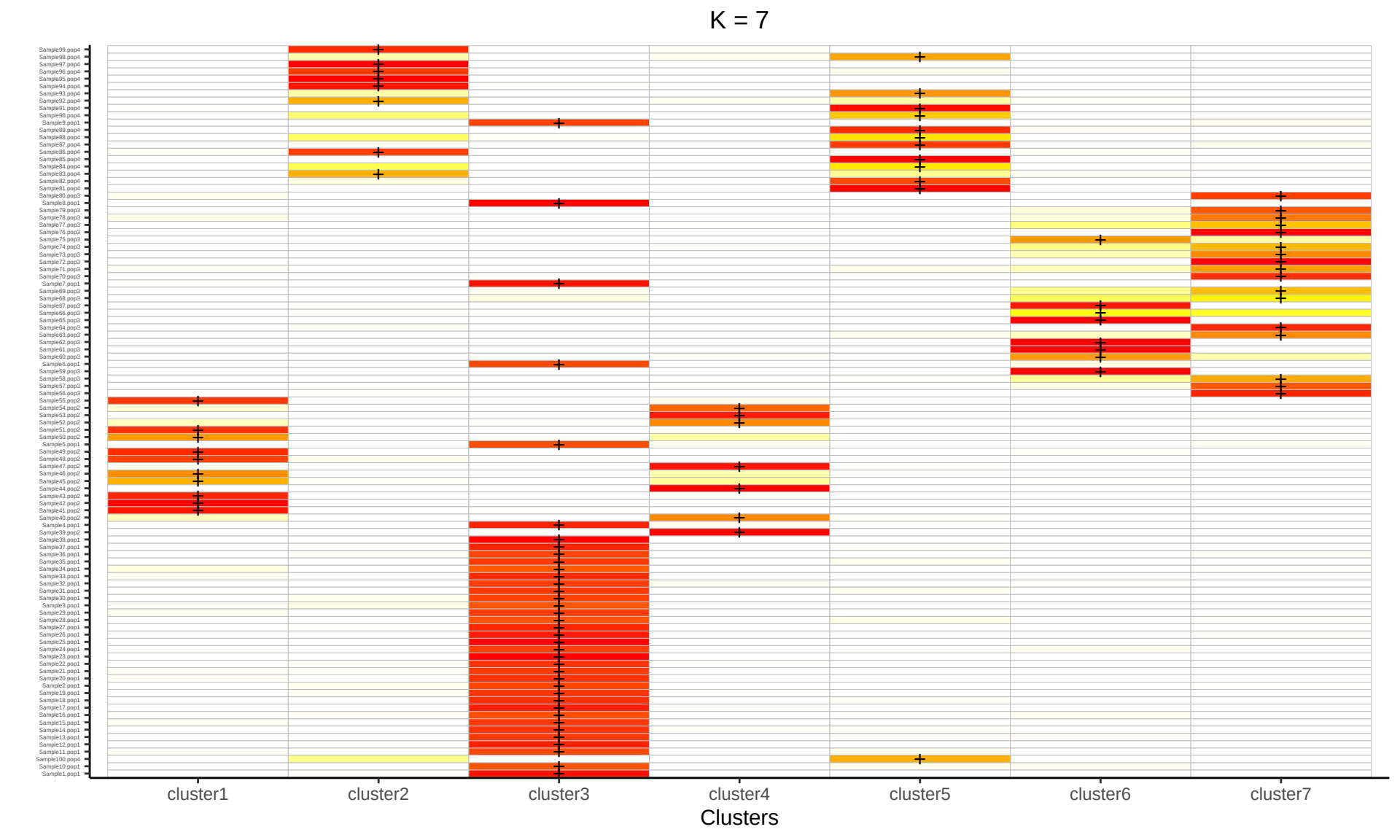

K = 2
cluster1
cluster2
Clusters

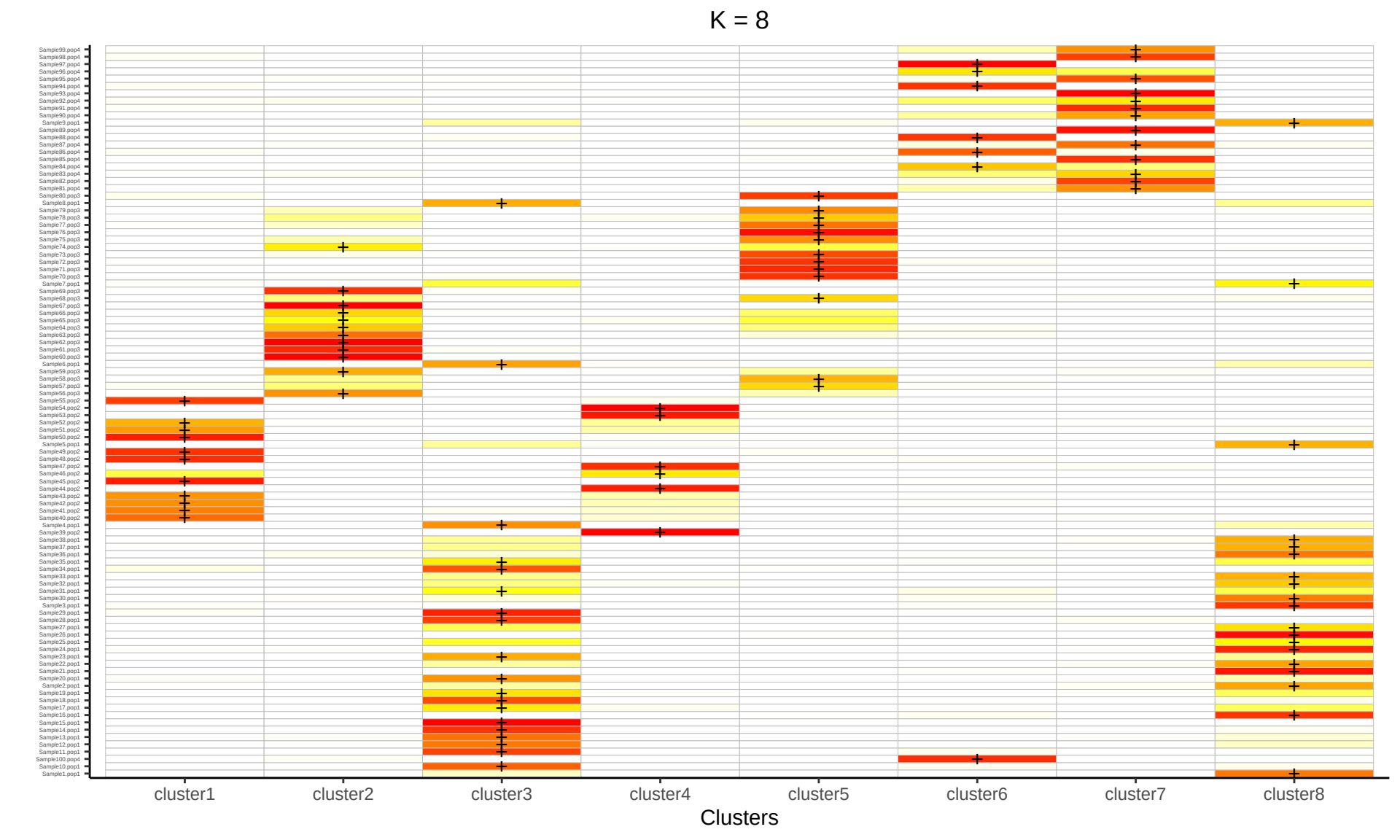

K = 3
Sample99.pop4
Sample98.pop4
Sample97.pop4
Sample96.pop4
Sample95.pop4
Sample94.pop4
Sample93.pop4
Sample92.pop4
Sample91.pop4
Sample90.pop4
Sample9.pop1
Sample89.pop4
Sample88.pop4
Sample87.pop4
Sample86.pop4
Sample85.pop4
Sample84.pop4
Sample83.pop4
Sample82.pop4
Sample81.pop4
Sample80.pop3
Sample8.pop1
Sample79.pop3
Sample78.pop3
Sample77.pop3
Sample76.pop3
Sample75.pop3
Sample74.pop3
Sample73.pop3
Sample72.pop3
Sample71.pop3
Sample70.pop3
Sample7.pop1
Sample69.pop3
Sample68.pop3
Sample67.pop3
Sample66.pop3
Sample65.pop3
Sample64.pop3
Sample63.pop3
Sample62.pop3
Sample61.pop3
Sample60.pop3
Sample6.pop1
Sample59.pop3
Sample58.pop3
Sample57.pop3
Sample56.pop3
Sample55.pop2
Sample54.pop2
Sample53.pop2
Sample52.pop2
Sample51.pop2
Sample50.pop2
Sample5.pop1
Sample49.pop2
Sample48.pop2
Sample47.pop2
Sample46.pop2
Sample45.pop2
Sample44.pop2
Sample43.pop2
Sample42.pop2
Sample41.pop2
Sample40.pop2
Sample4.pop1
Sample39.pop2
Sample38.pop1
Sample37.pop1
Sample36.pop1
Sample35.pop1
Sample34.pop1
Sample33.pop1
Sample32.pop1
Sample31.pop1
Sample30.pop1
Sample3.pop1
Sample29.pop1
Sample28.pop1
Sample27.pop1
Sample26.pop1
Sample25.pop1
Sample24.pop1
Sample23.pop1
Sample22.pop1
Sample21.pop1
Sample20.pop1
Sample2.pop1
Sample19.pop1
Sample18.pop1
Sample17.pop1
Sample16.pop1
Sample15.pop1
Sample14.pop1
Sample13.pop1
Sample12.pop1
Sample11.pop1
Sample100.pop4
Sample10.pop1
Sample1.pop1
cluster1
cluster2
cluster3
Clusters

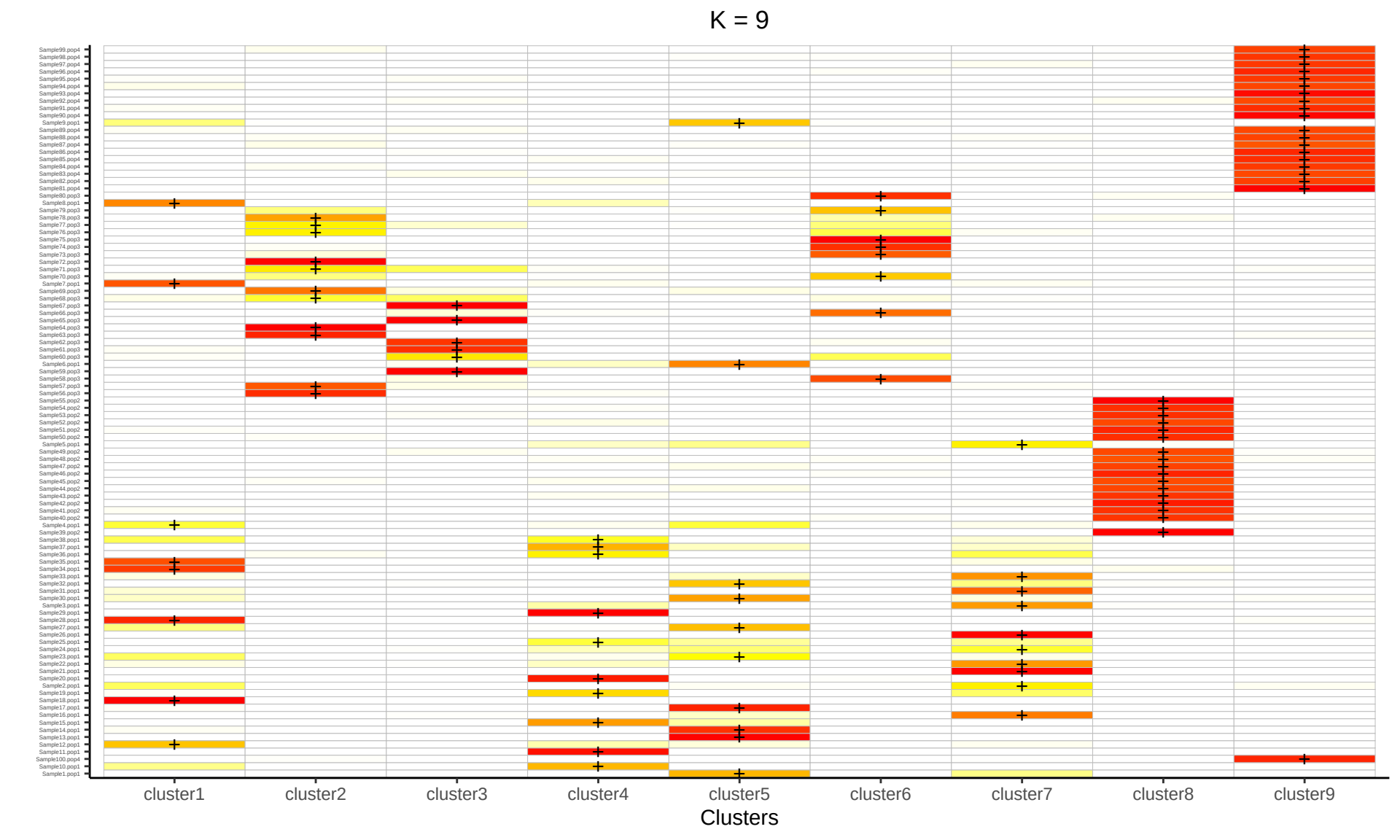

K = 4
cluster1
cluster2
cluster3
cluster4
Clusters

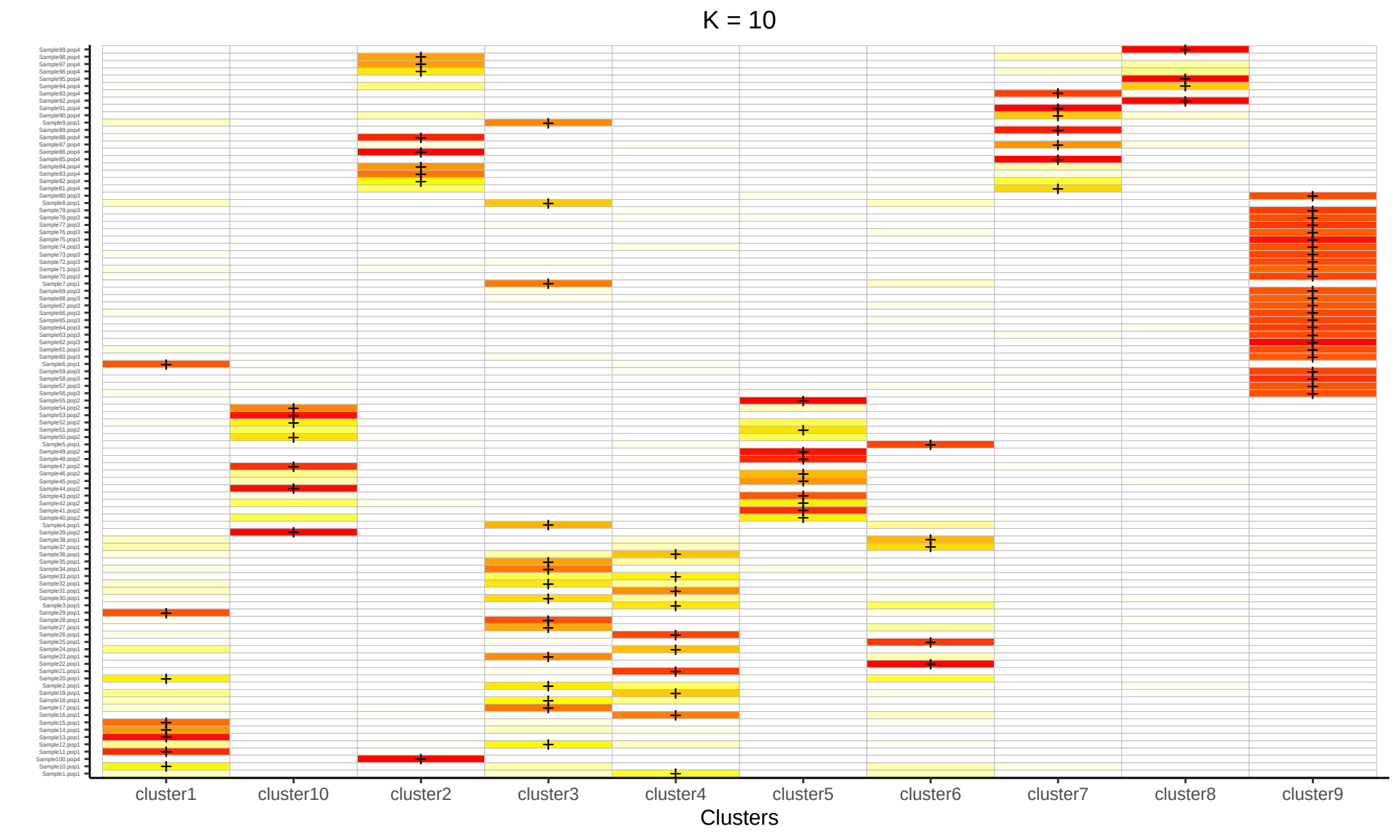

K = 5
cluster1
cluster2
cluster3
cluster4
cluster5
Clusters

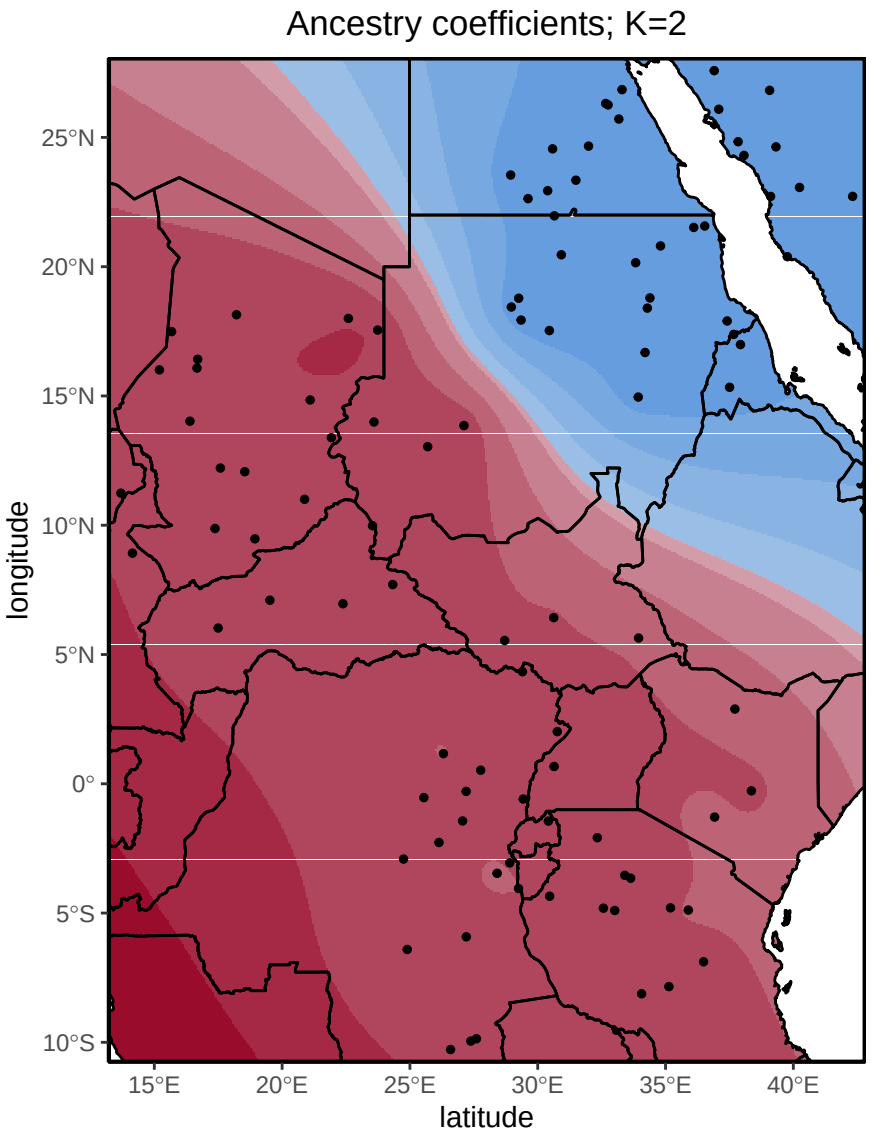

K = 6
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
Clusters

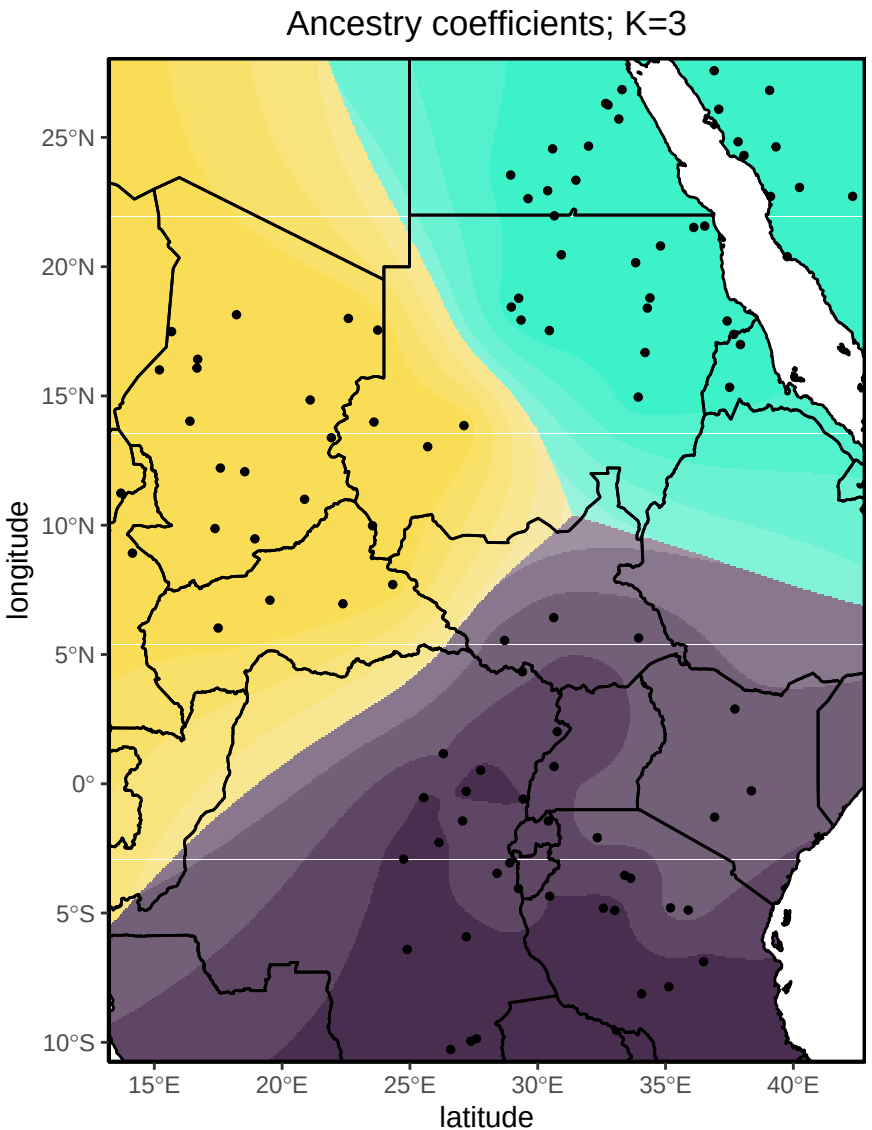

K = 7
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
Clusters

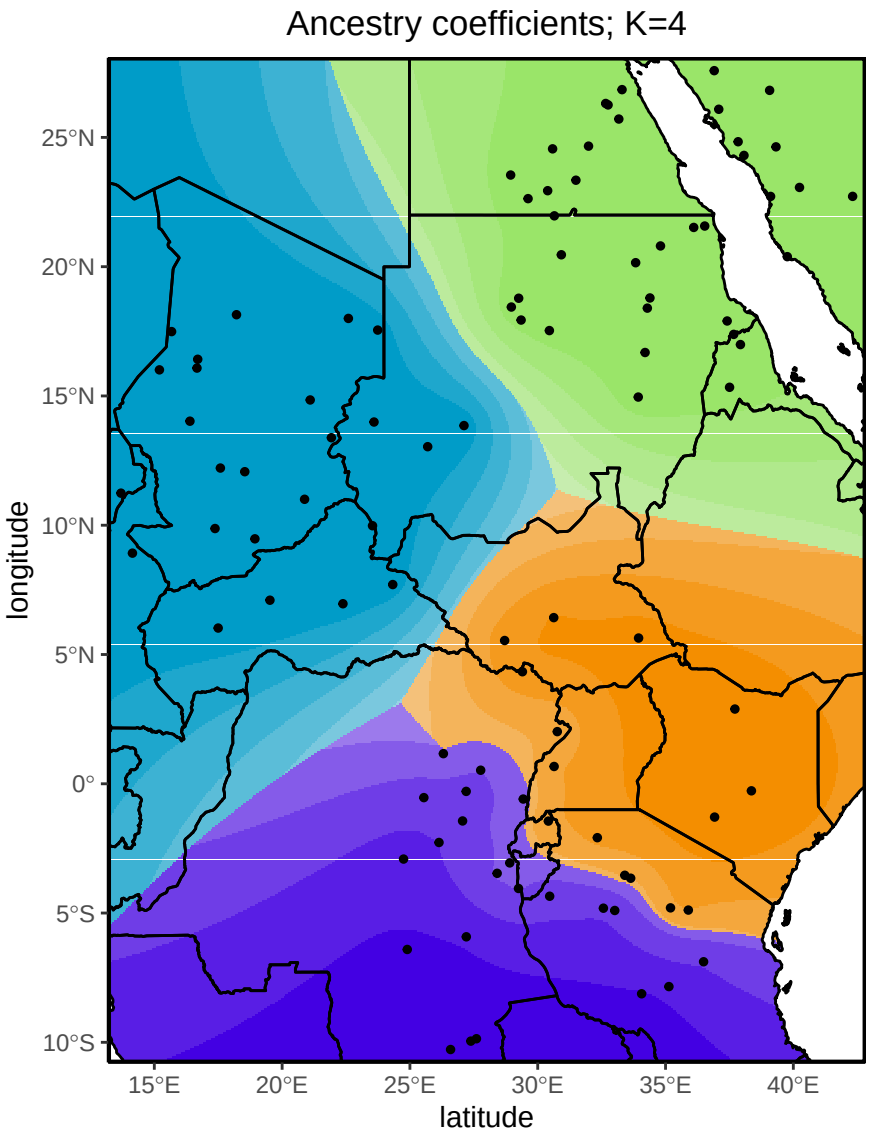

K = 8
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
cluster8
Clusters

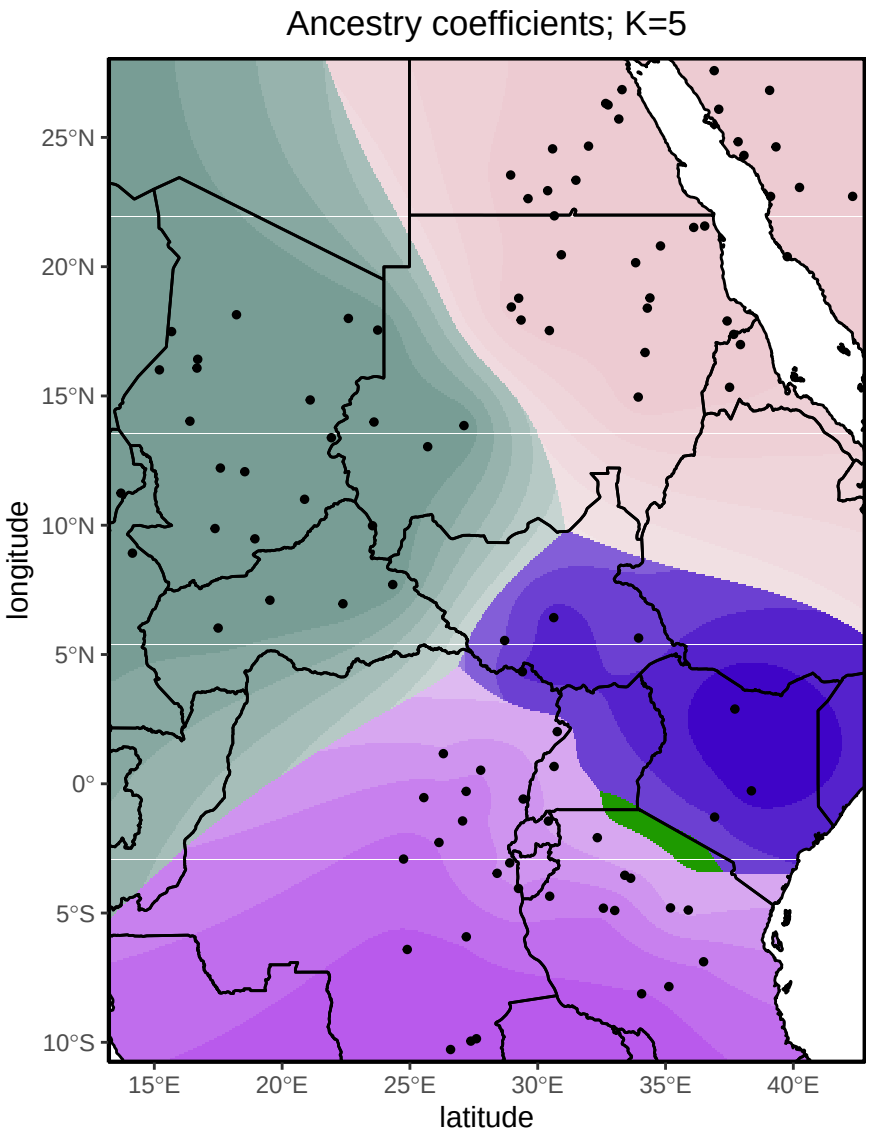

K = 9
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
cluster8
cluster9
Clusters

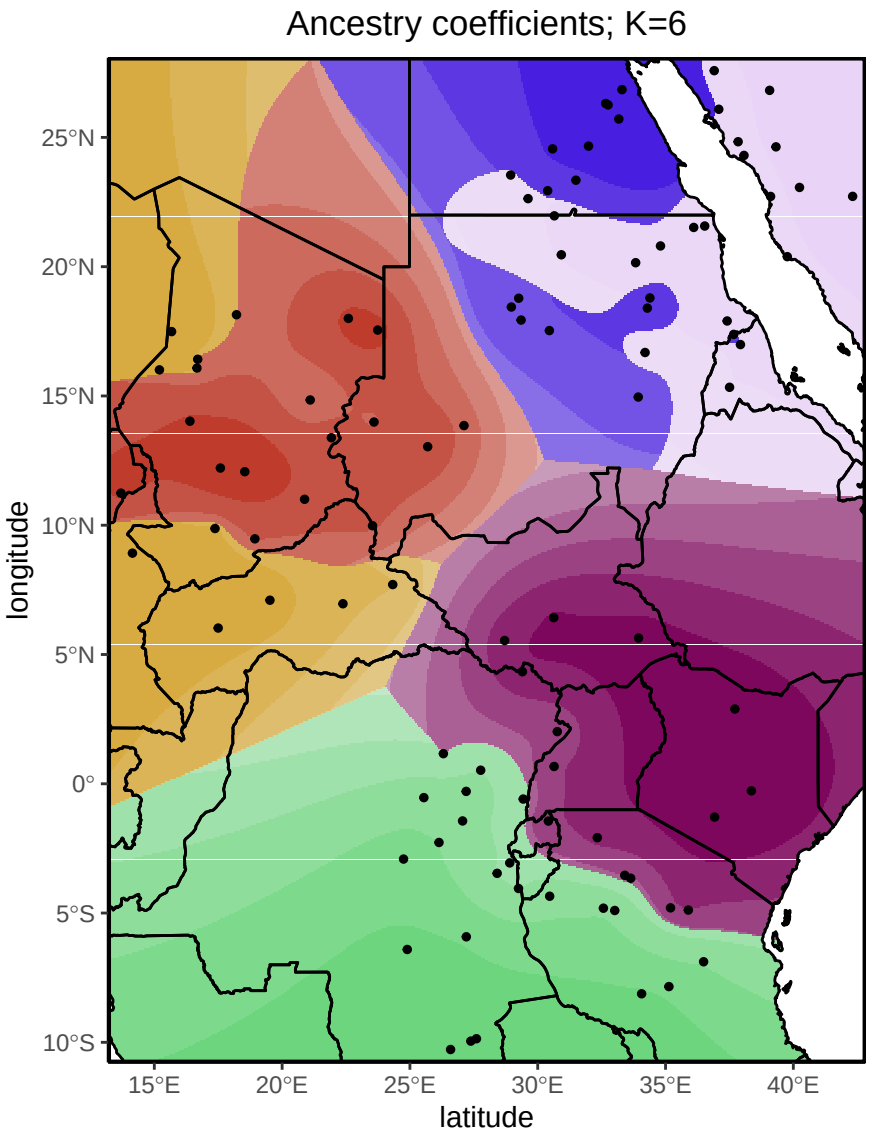

K = 10
cluster1
cluster10
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
cluster8
cluster9
Clusters

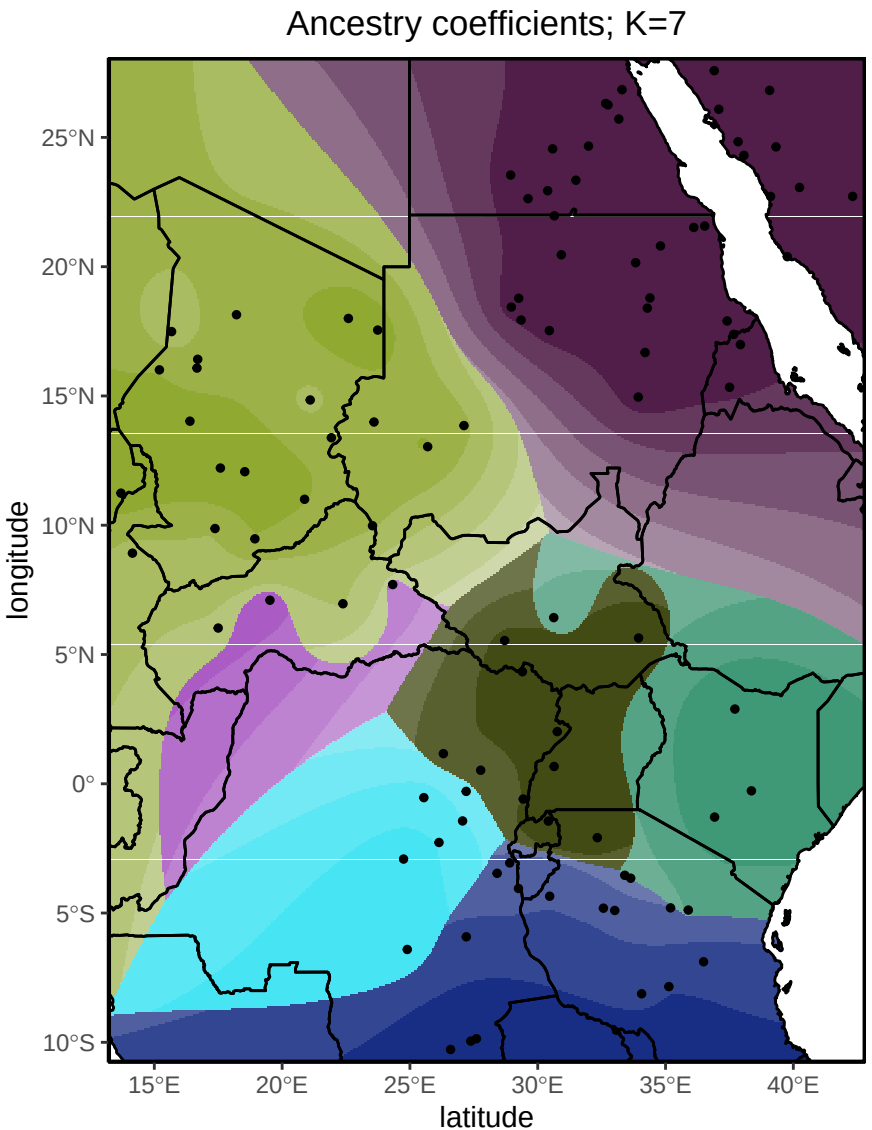

Ancestry coefficients; K=2
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude

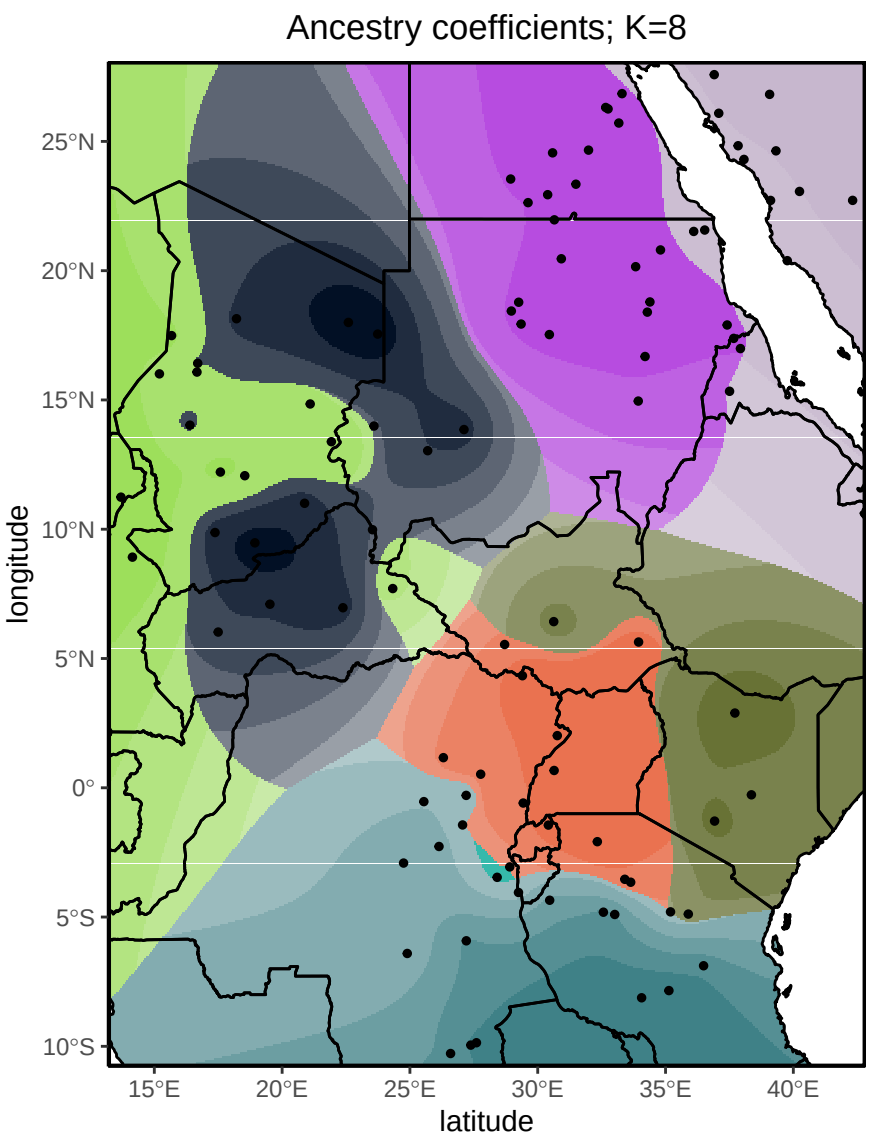

Ancestry coefficients; K=3
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude

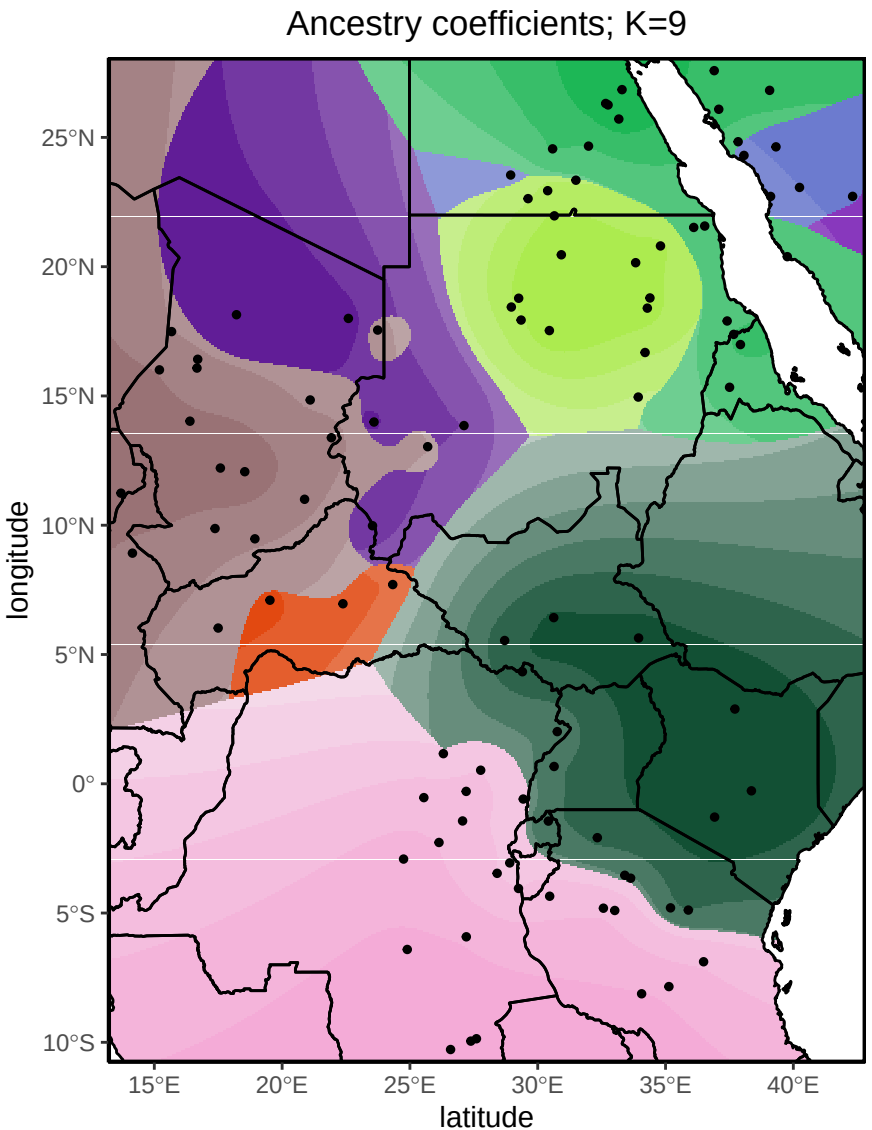

Ancestry coefficients; K=4
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude

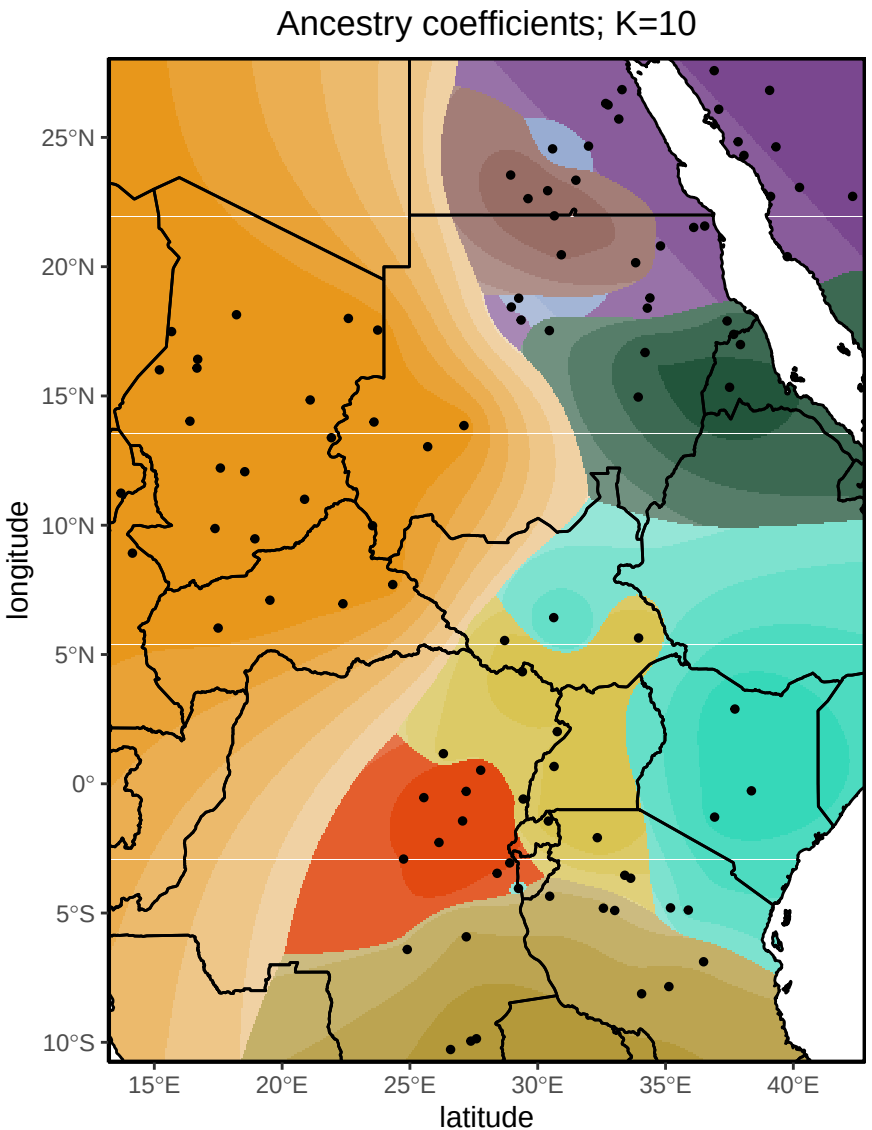

Ancestry coefficients; K=5
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude


Ancestry coefficients; K=6
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude


Ancestry coefficients; K=7
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude


Ancestry coefficients; K=8
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude


Ancestry coefficients; K=9
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude


Ancestry coefficients; K=10
25°N
20°N
15°N
10°N
5°N
0°
5°S
10°S
longitude
15°E
20°E
25°E
30°E
35°E
40°E
latitude