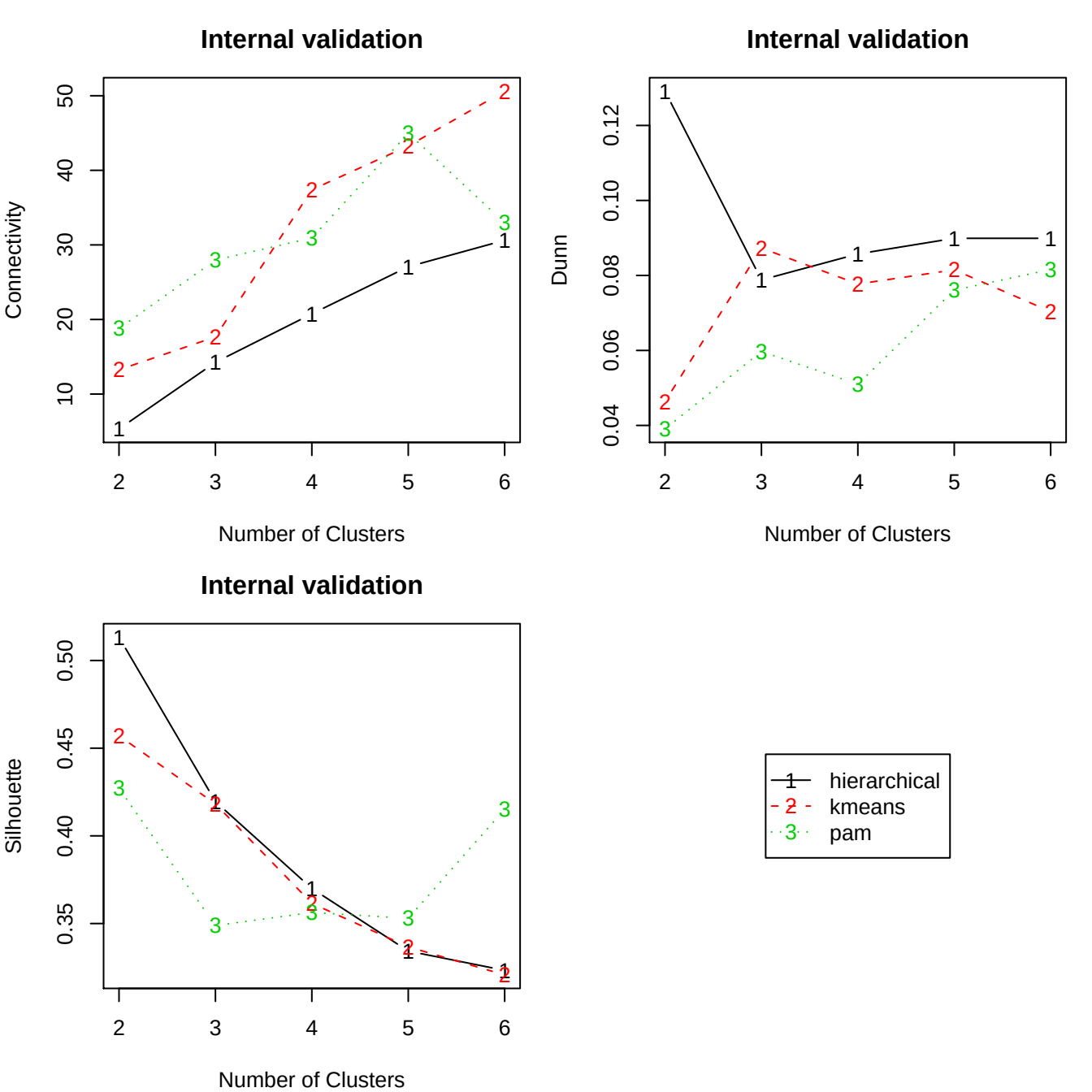
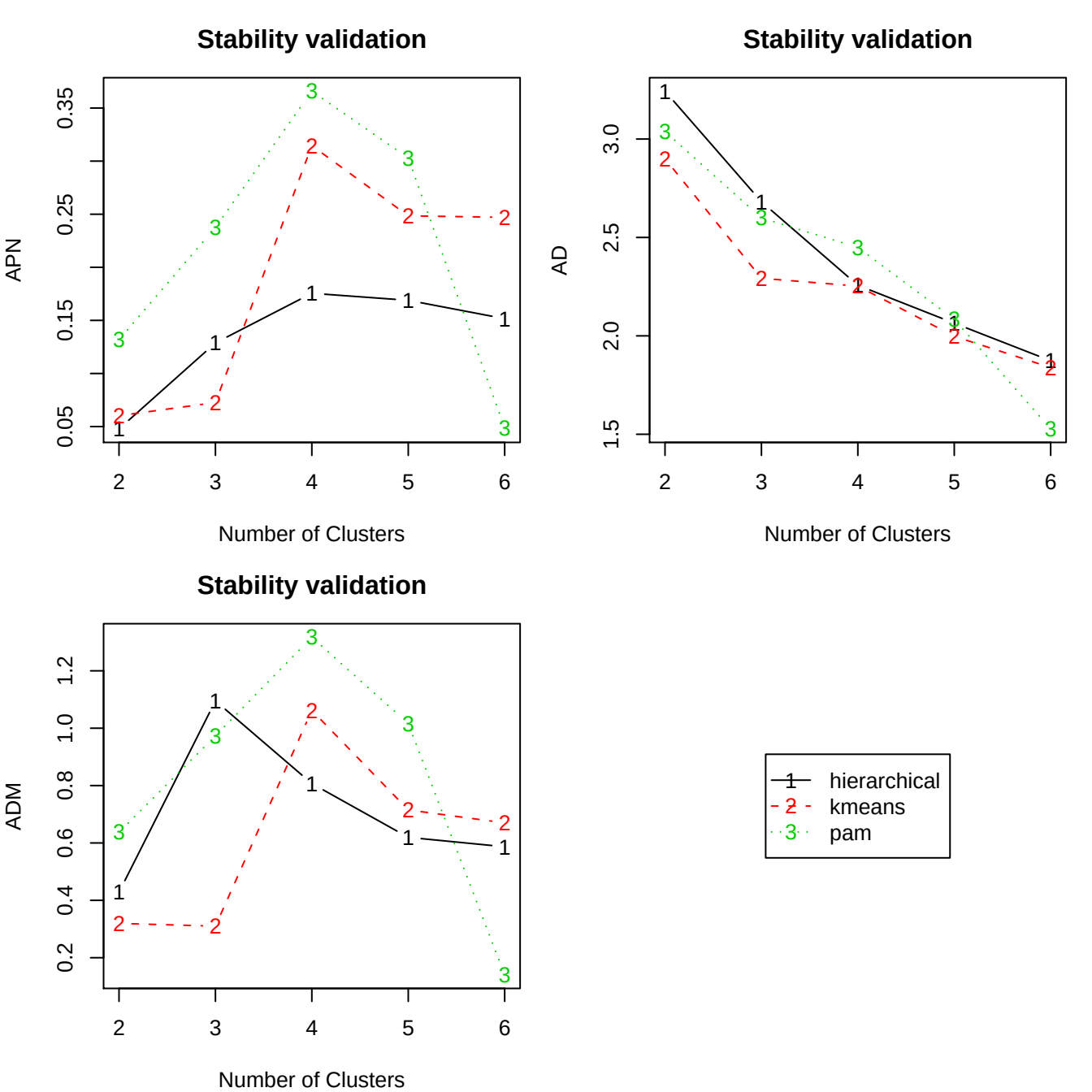
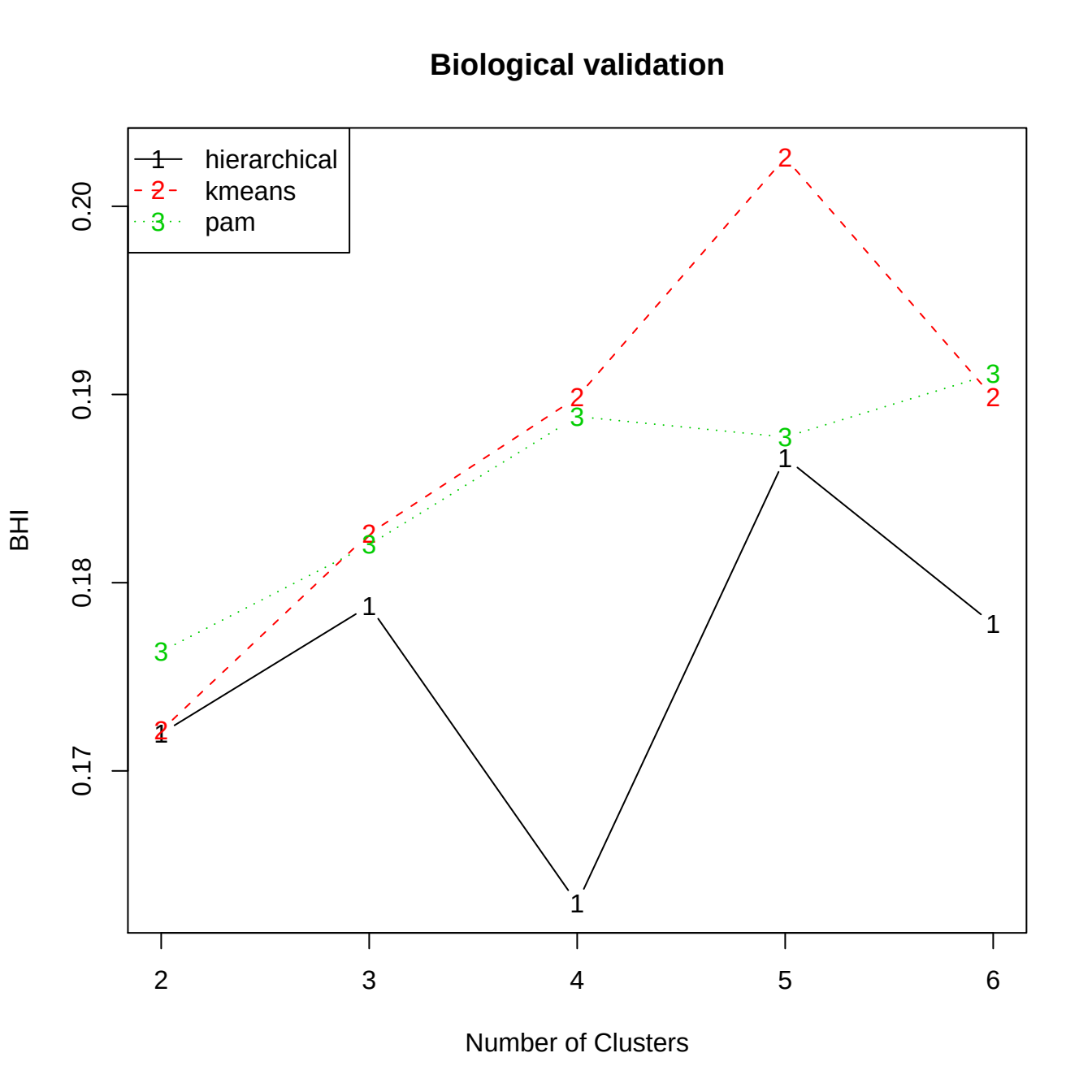
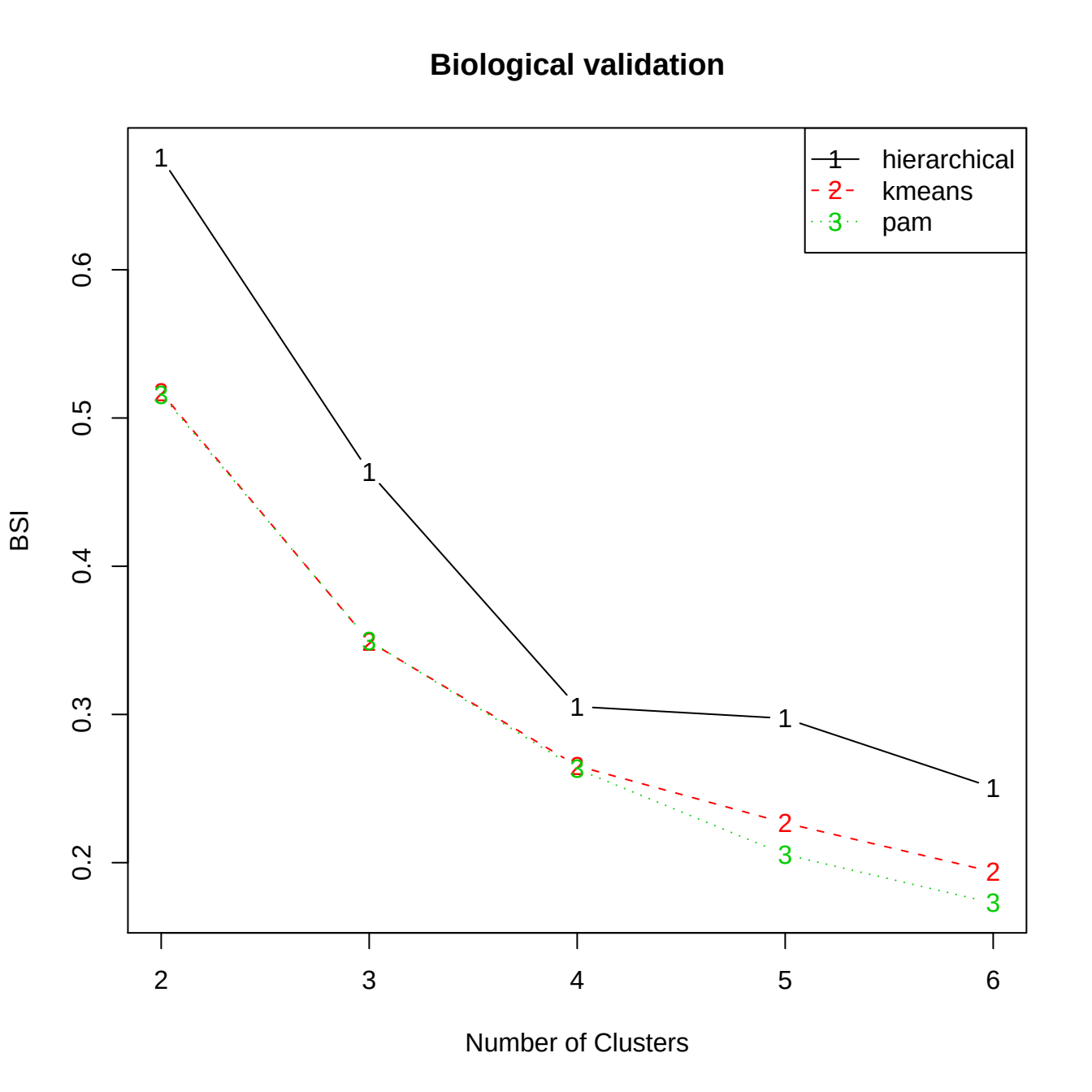
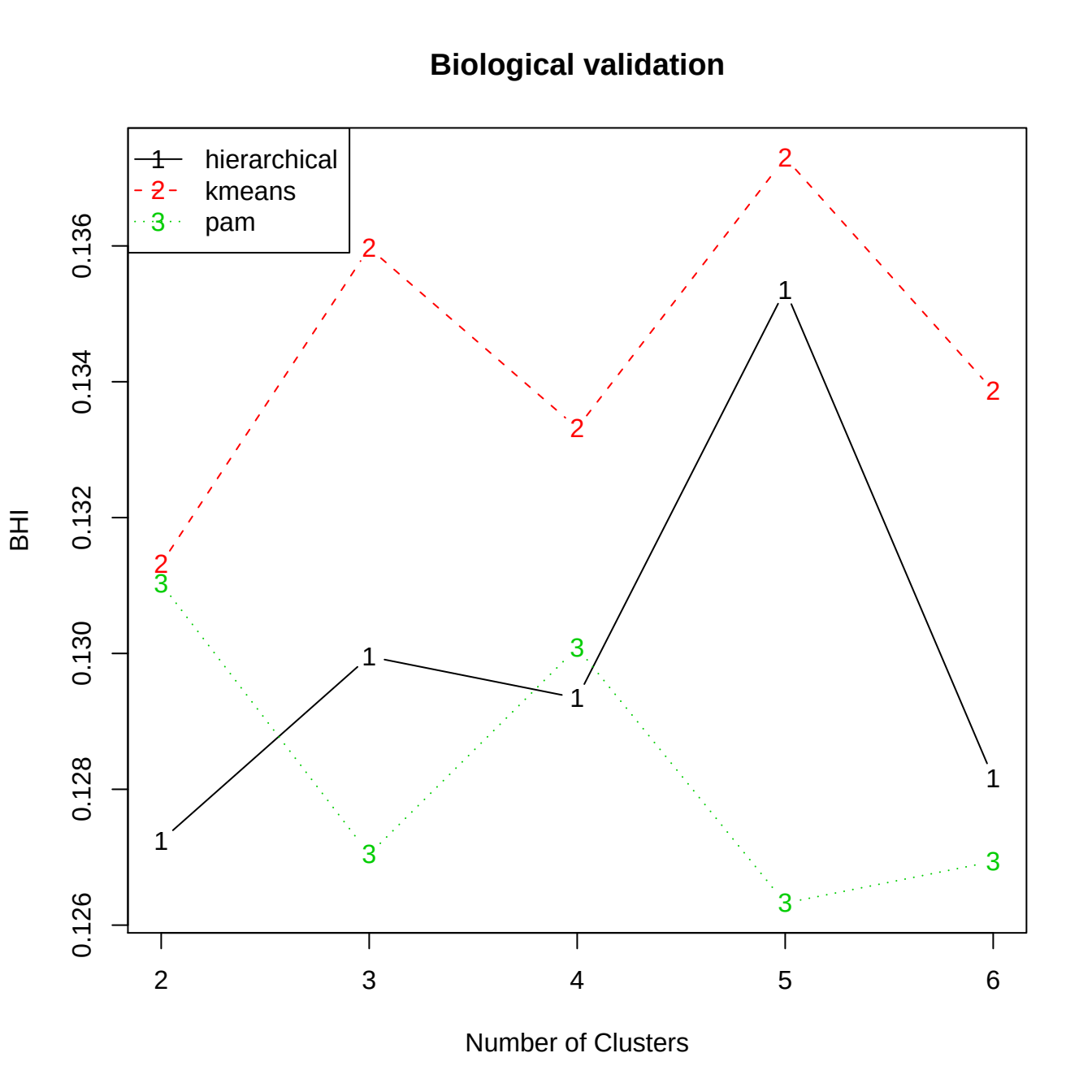
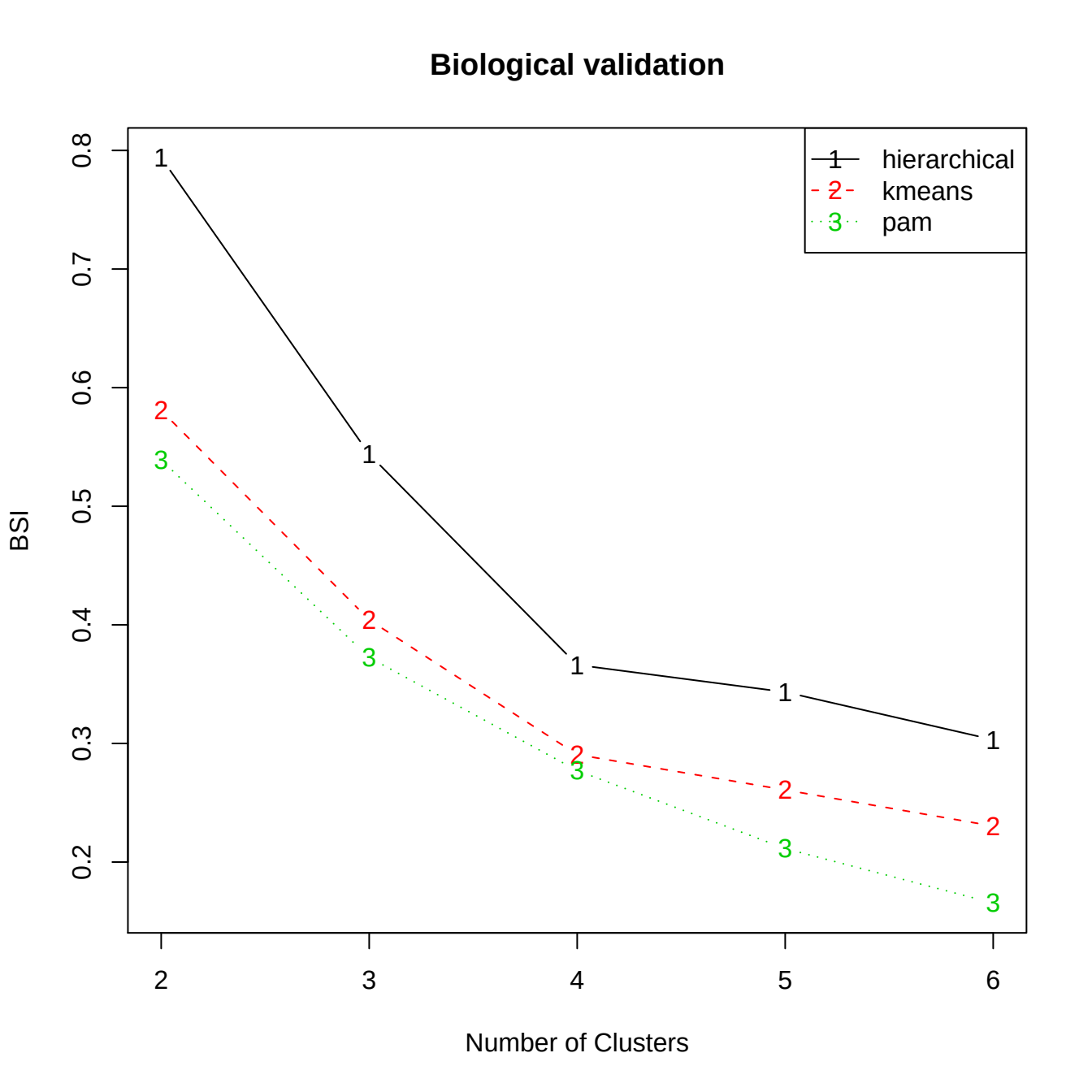

Internal validation
Connectivity
10
20
30
40
50
2
3
4
5
6
Number of Clusters
Internal validation
Dunn
0.04
0.06
0.08
0.10
0.12
Number of Clusters
Internal validation
Silhouette
0.35
0.40
0.45
0.50
Number of Clusters
hierarchical
kmeans
pam

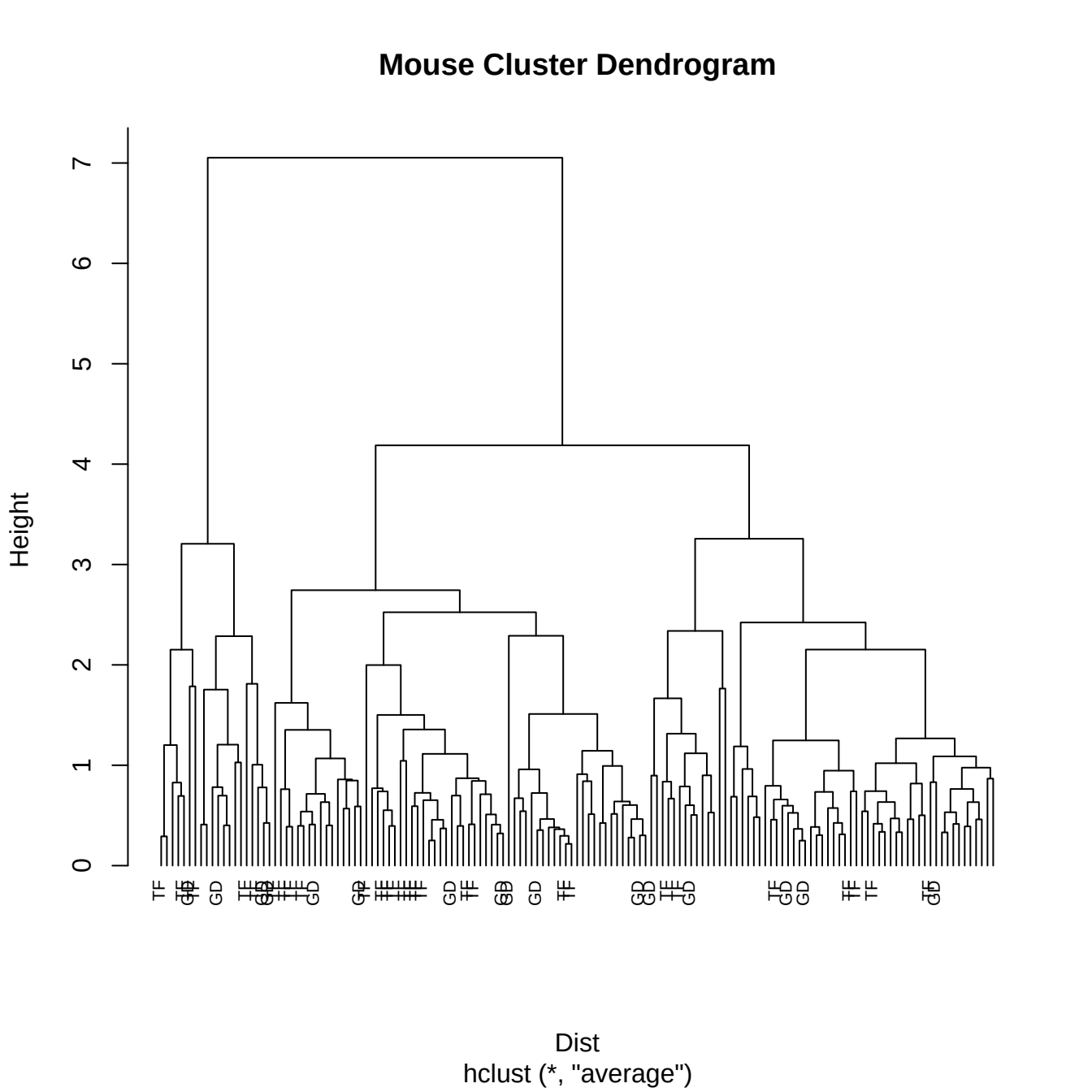

Stability validation
APN
0.05
0.15
0.25
0.35
2
3
4
5
6
Number of Clusters
Stability validation
AD
1.5
2.0
2.5
3.0
2
3
4
5
6
Number of Clusters
Stability validation
ADM
0.2
0.4
0.6
0.8
1.0
1.2
2
3
4
5
6
Number of Clusters
hierarchical
kmeans
pam


Biological validation
hierarchical
kmeans
pam
BHI
0.17
0.18
0.19
0.20
2
3
4
5
6
Number of Clusters


Biological validation
hierarchical
kmeans
pam
BSI
0.2
0.3
0.4
0.5
0.6
2
3
4
5
6
Number of Clusters


Biological validation
hierarchical
kmeans
pam
BHI
0.126
0.128
0.130
0.132
0.134
0.136
2
3
4
5
6
Number of Clusters


Biological validation
BSI
0.2
0.3
0.4
0.5
0.6
0.7
0.8
2
3
4
5
6
Number of Clusters
hierarchical
kmeans
pam


Mouse Cluster Dendrogram
Height
0
1
2
3
4
5
6
7
Dist
hclust (*, "average")