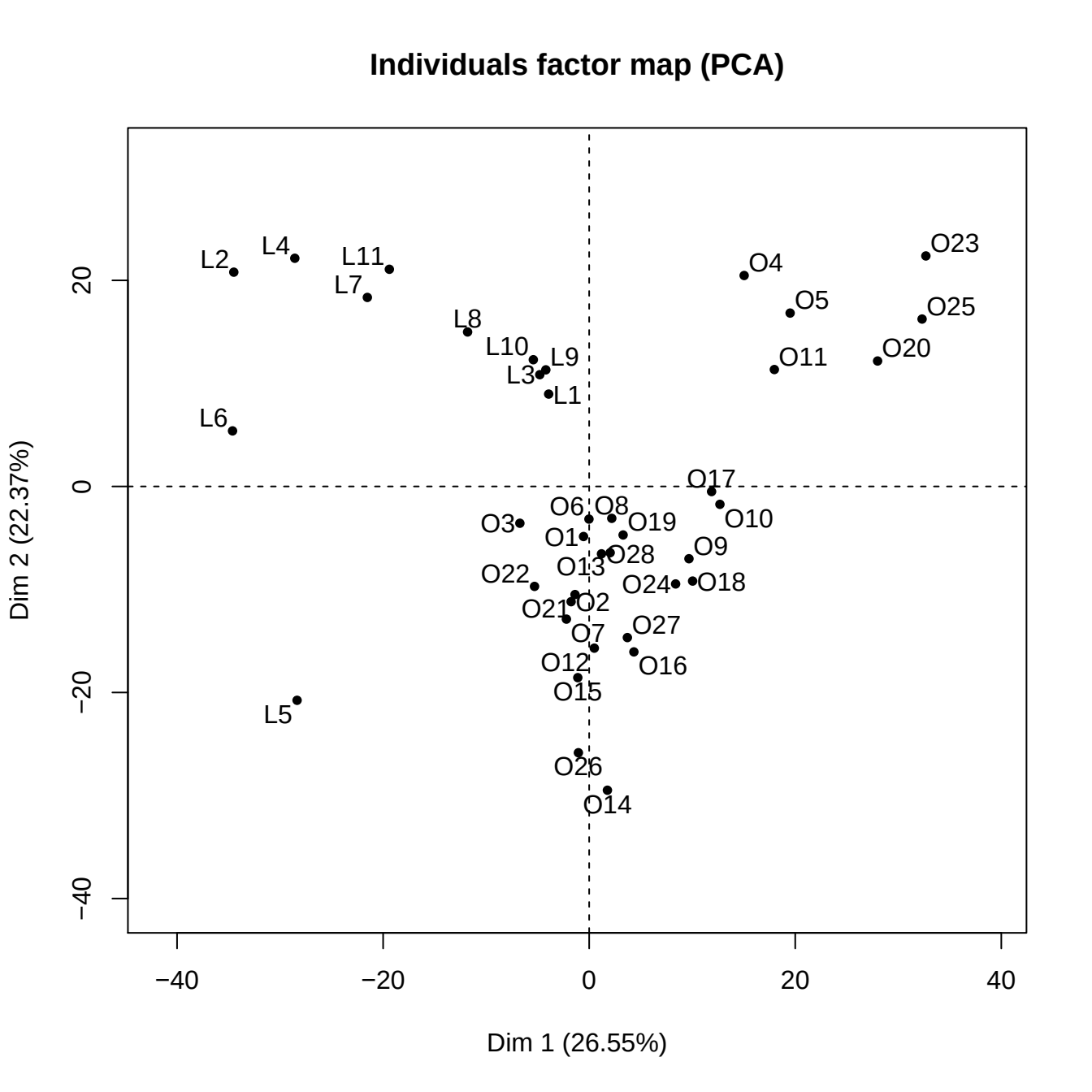
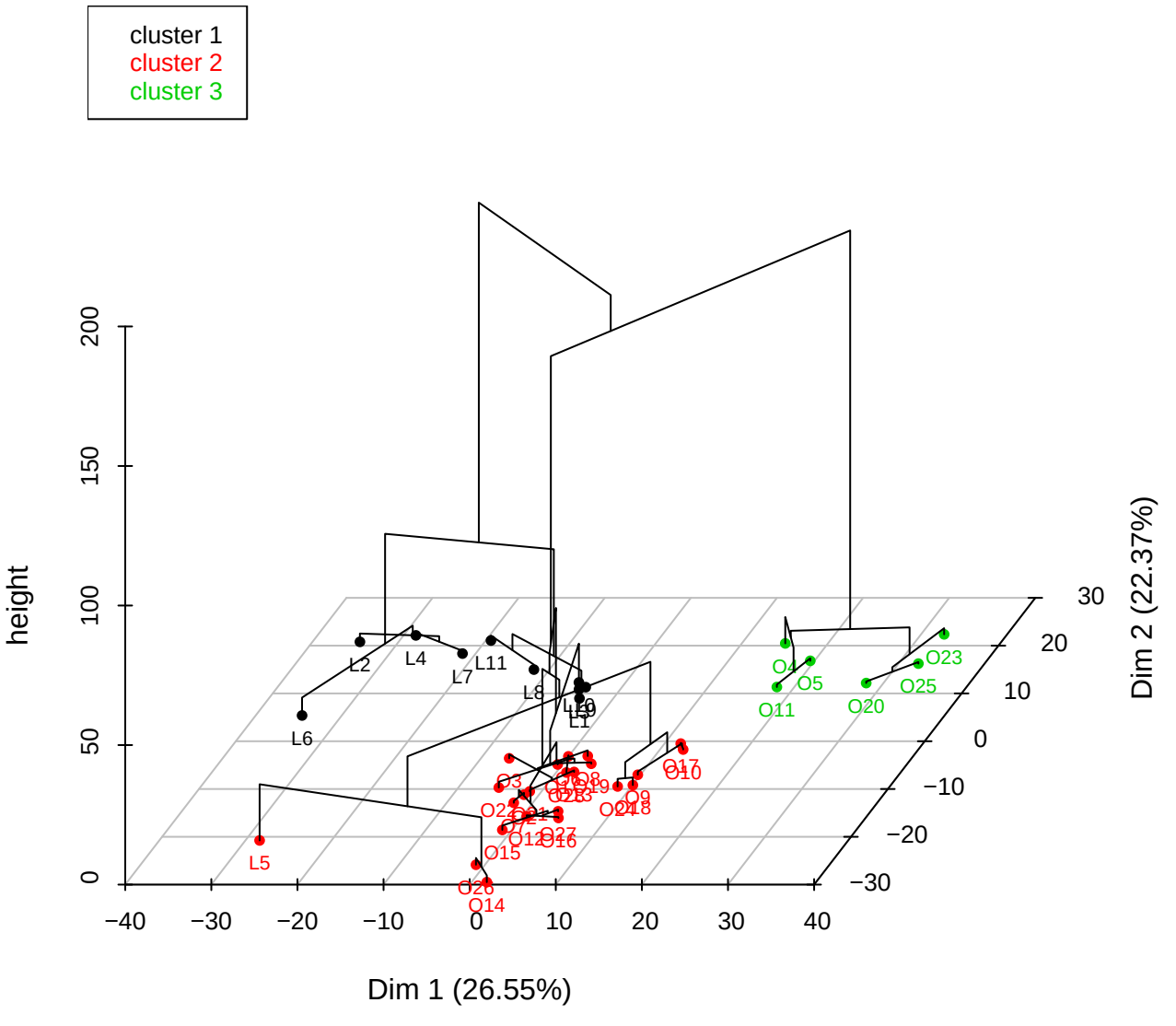
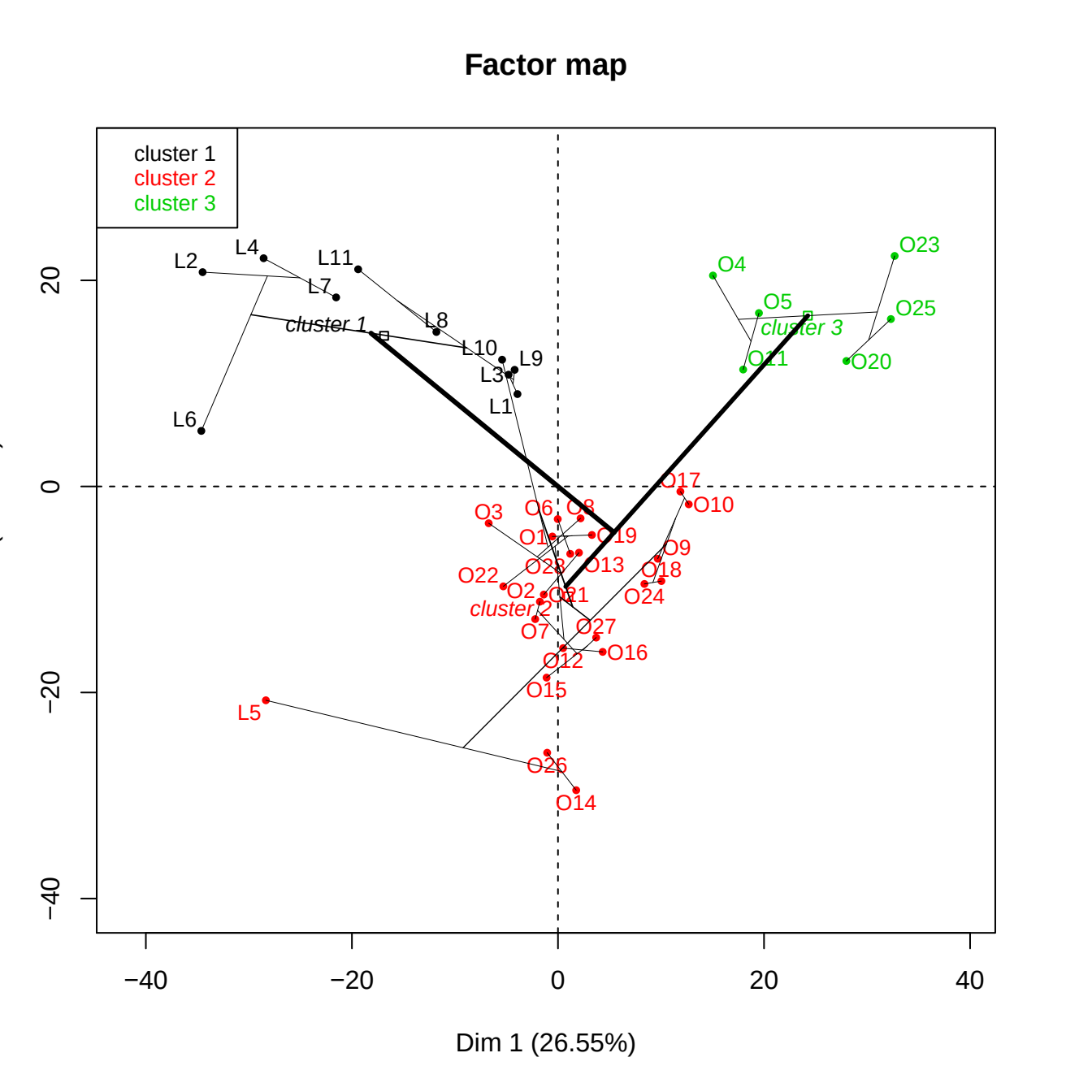
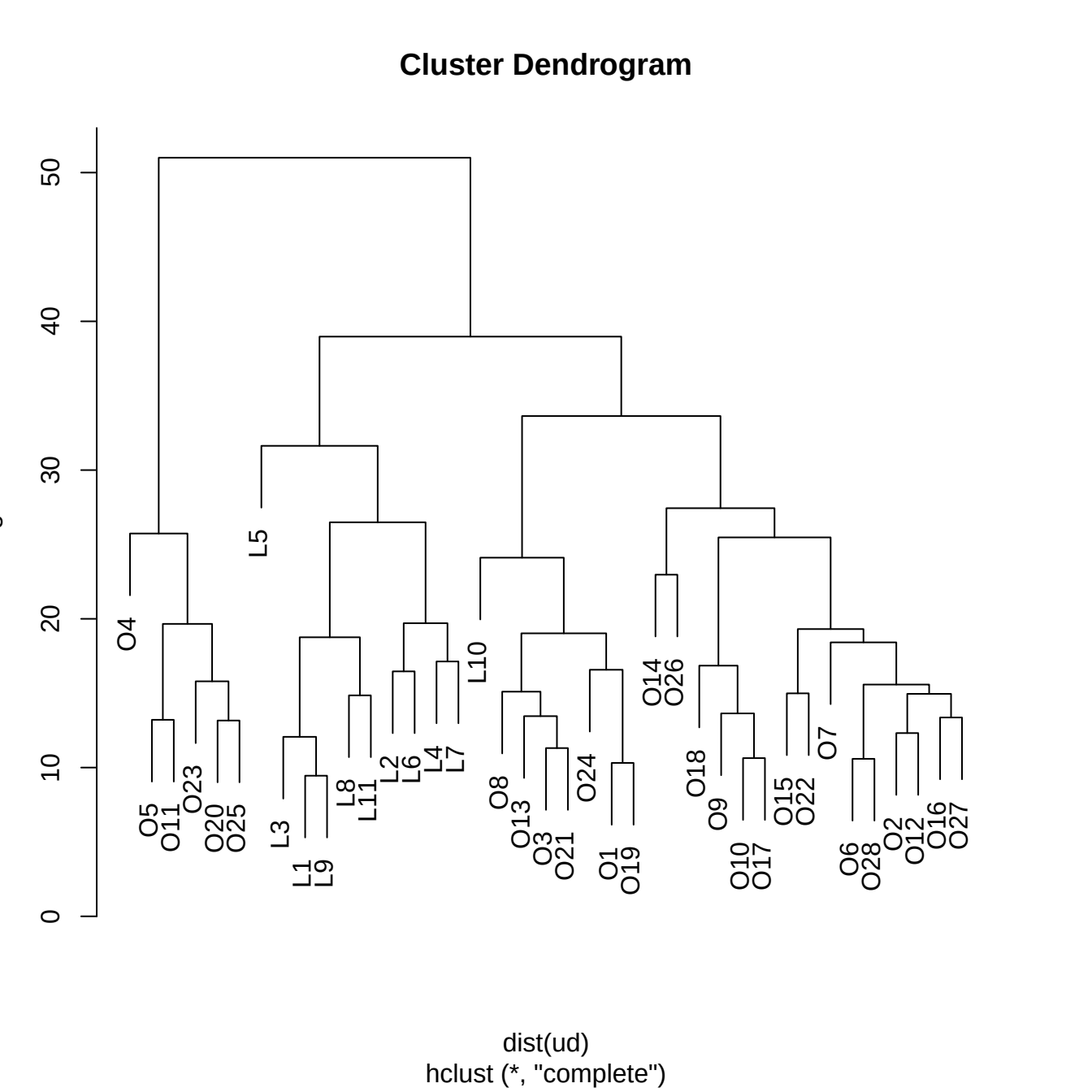
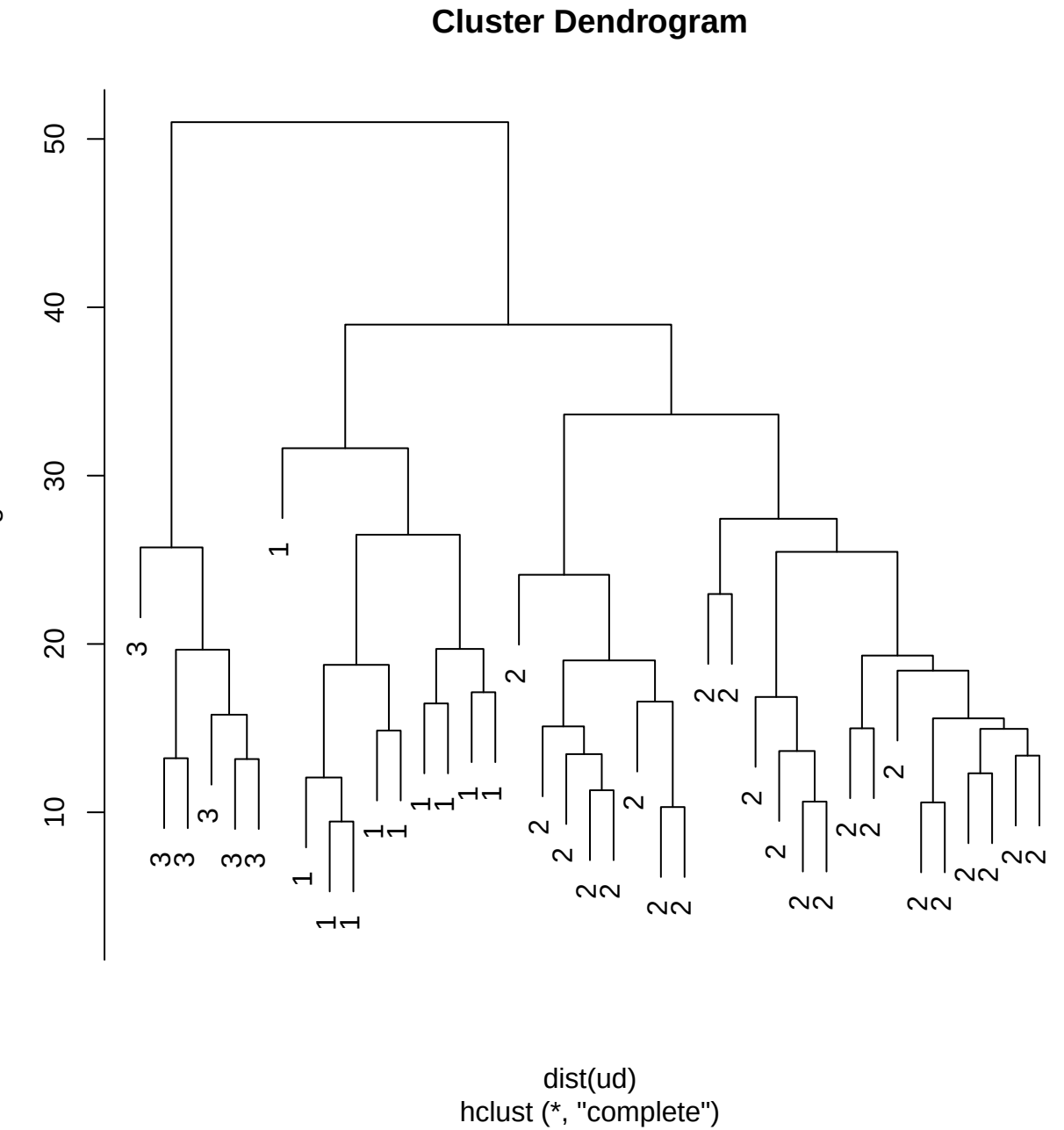

Individuals factor map (PCA)
L2
L4
L11
L7
L8
L10
L9
L3
L1
L6
L5
O23
O4
O5
O25
O11
O20
O17
O6
O8
O10
O3
O19
O1
O9
O28
O22
O13
O24
O18
O21
O2
O27
O7
O12
O16
O15
O26
O14
Dim 1 (26.55%)
Dim 2 (22.37%)
−40
−20
0
20
40

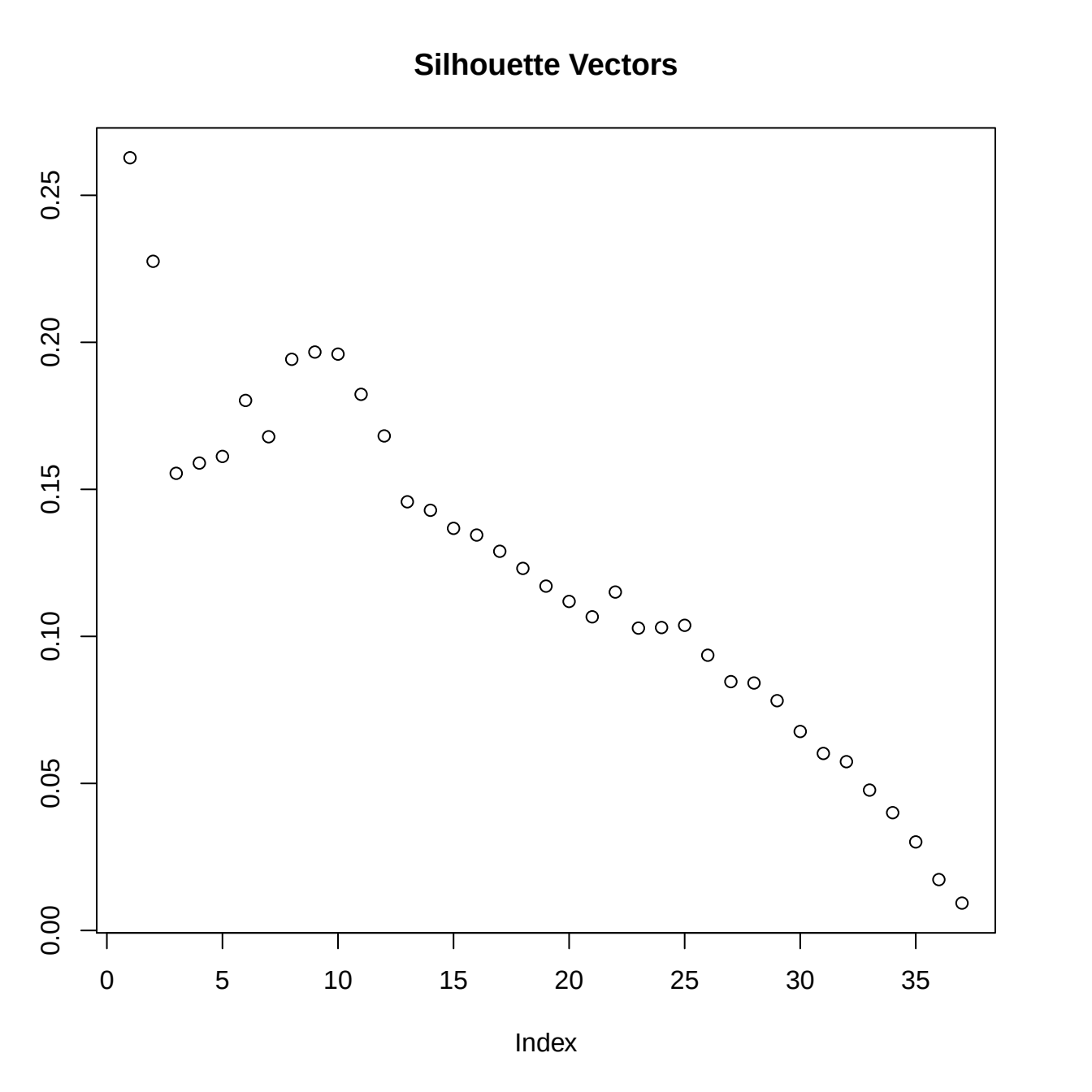
Hierarchical clustering on the factor map

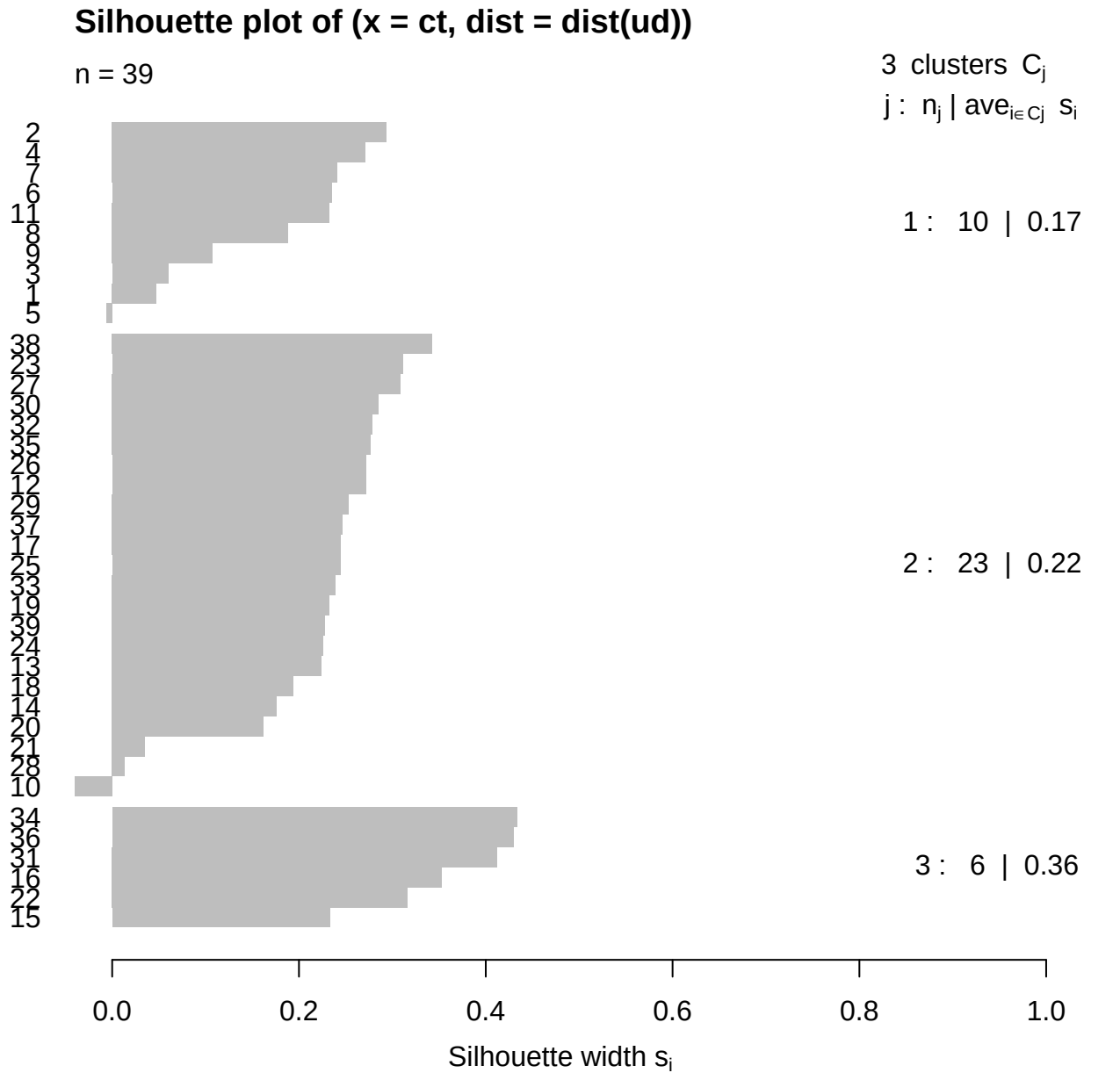


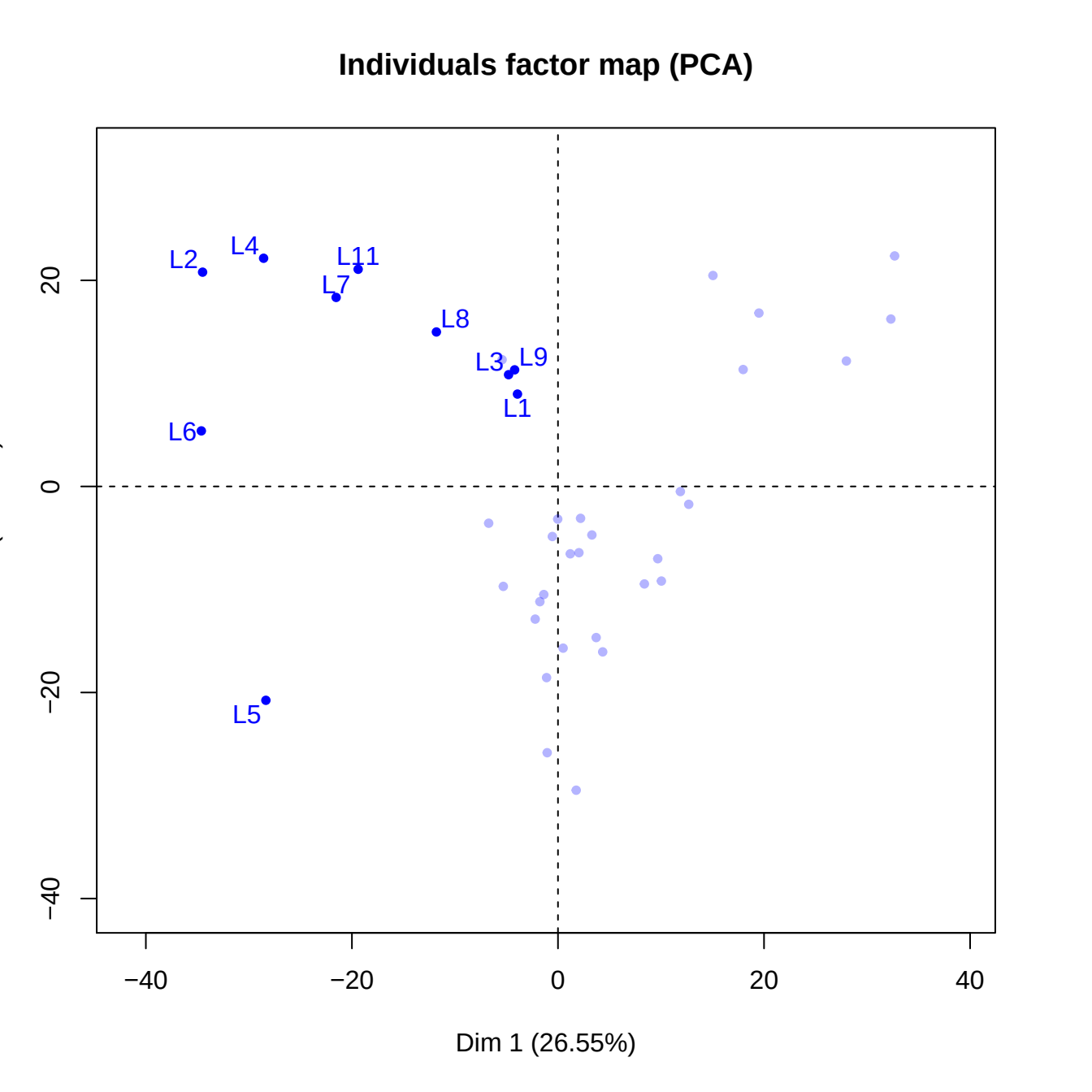

Factor map
cluster 1
cluster 2
cluster 3
L2
L4
L11
L7
L8
cluster 1
L10
L9
L3
L1
L6
O4
O23
O5
O25
cluster 3
O11
O20
O17
O10
O3
O6
O8
O1
O19
O9
O22
O23
O13
O18
O2
O21
O24
cluster 2
O7
O27
O16
O12
O15
L5
O26
O14
20
0
−20
−40
−40
−20
0
20
40
Dim 1 (26.55%)

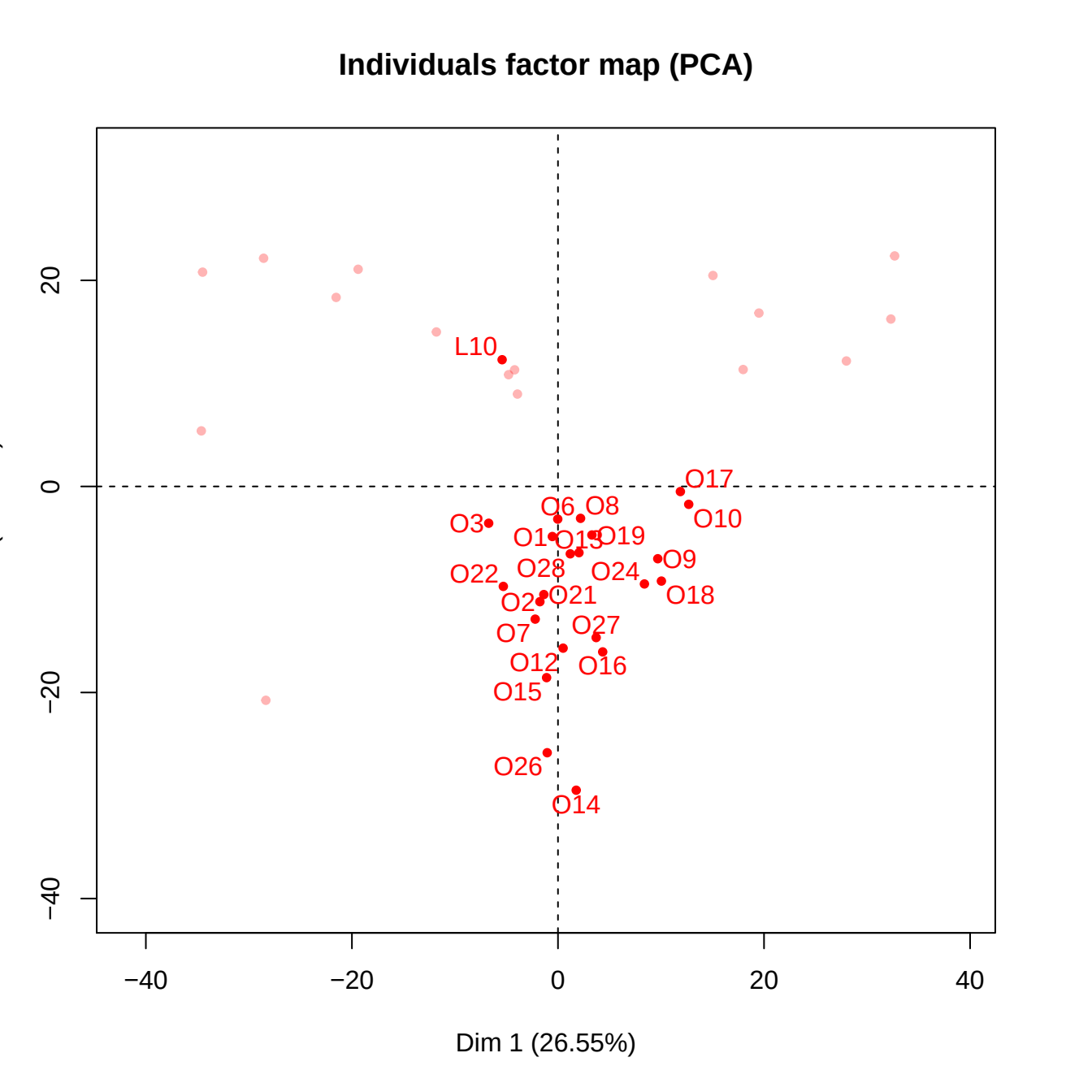

Cluster Dendrogram
0
10
20
30
40
50
O4
L5
O5
O11
O23
O20
O25
L3
L1
L9
L8
L11
L2
L6
L4
L7
L10
O8
O13
O3
O21
O24
O1
O19
O14
O26
O18
O9
O10
O17
O15
O22
O7
O6
O28
O2
O12
O16
O27
dist(ud)
hclust (*, "complete")

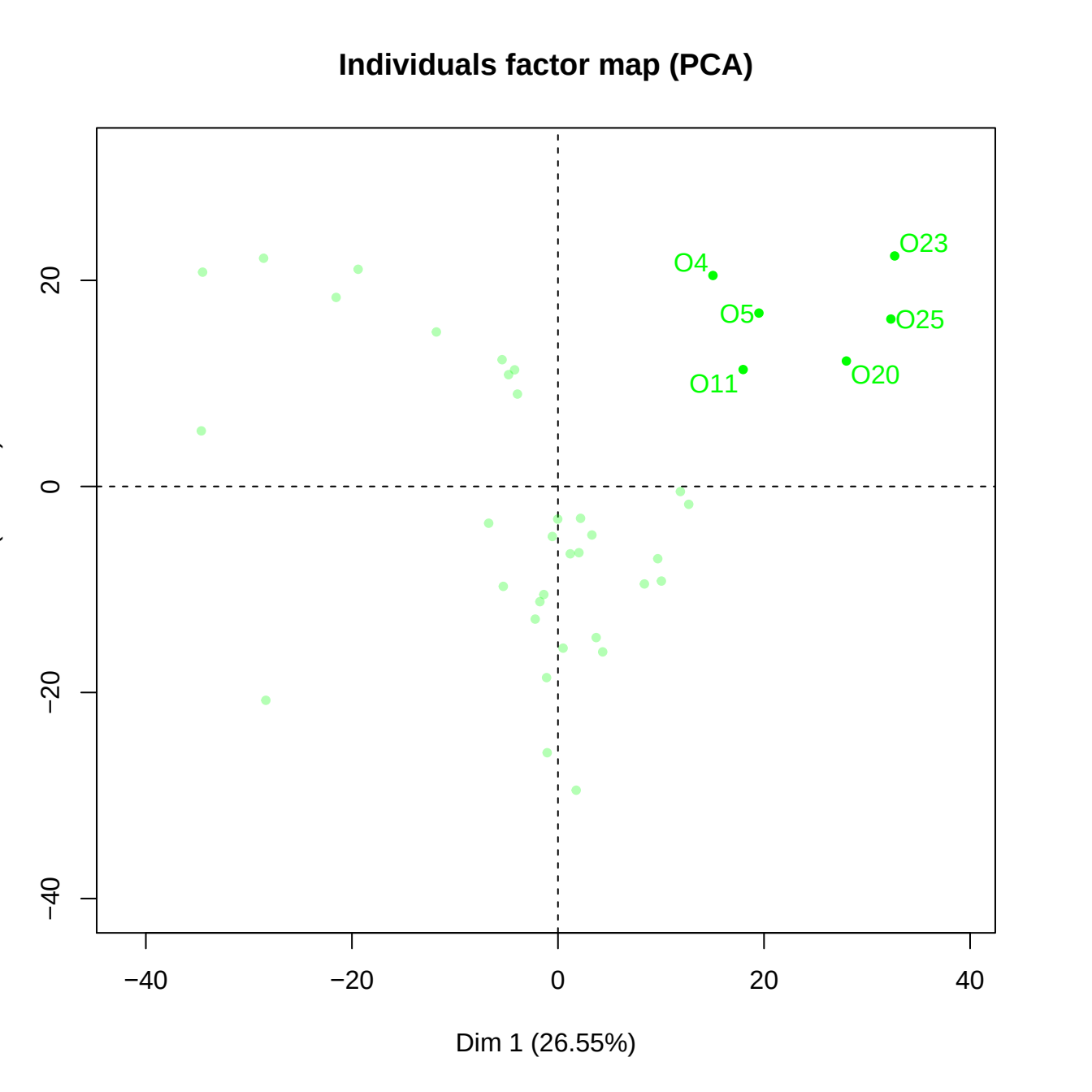

Cluster Dendrogram
50
40
30
20
10
dist(ud)
hclust (*, "complete")

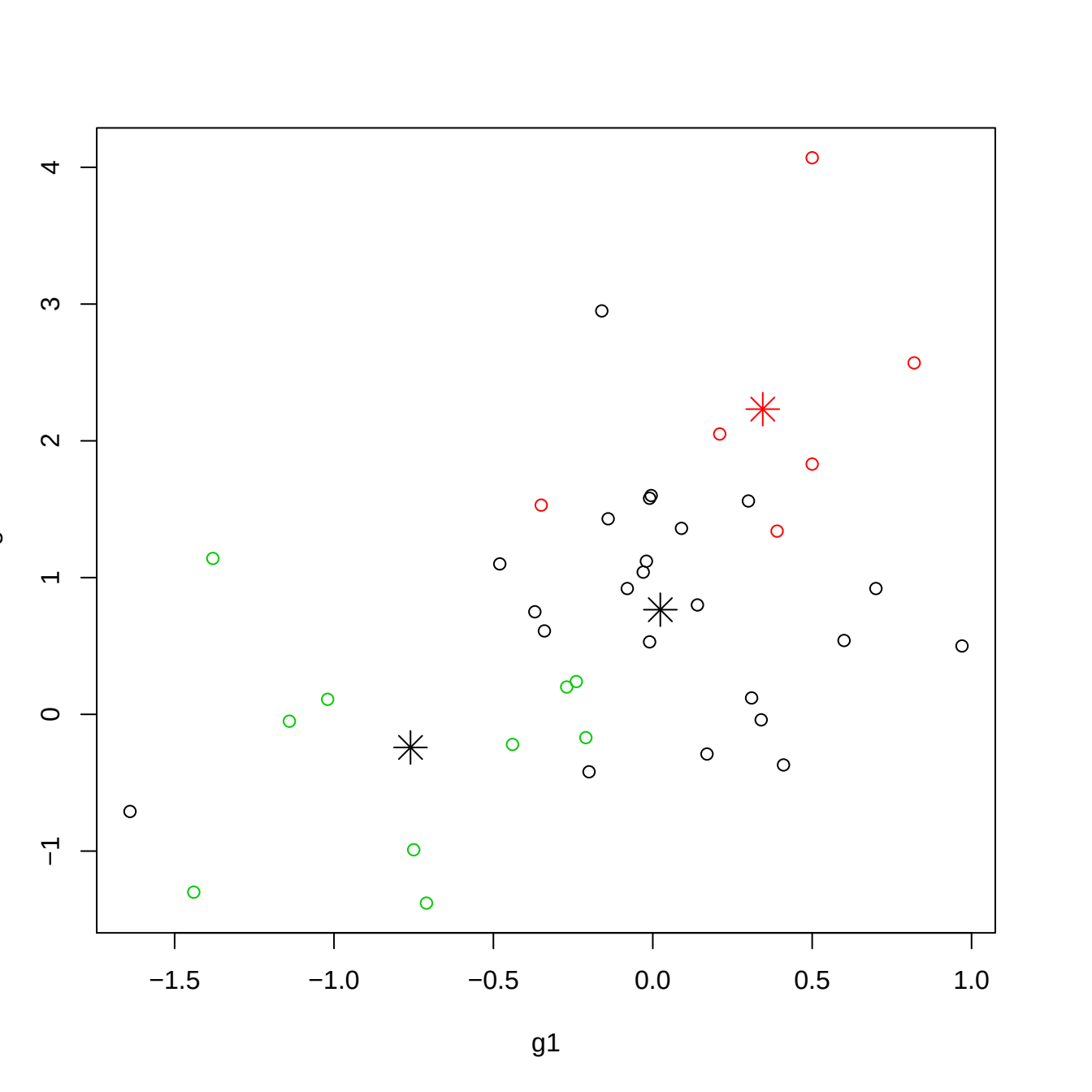

Silhouette Vectors
0.00
0.05
0.10
0.15
0.20
0.25
0
5
10
15
20
25
30
35
Index


Silhouette plot of (x = ct, dist = dist(ud))
n = 39
3 clusters C_j
j : n_j | $ave_{i \in Cj}$ s_i
1 : 10 | 0.17
2 : 23 | 0.22
3 : 6 | 0.36
0.0
0.2
0.4
0.6
0.8
1.0
Silhouette width s_i
Average silhouette width : 0.23


Individuals factor map (PCA)
L2
L4
L11
L7
L8
L3
L9
L1
L6
L5
20
0
−20
−40
−40
−20
0
20
40
Dim 1 (26.55%)


Individuals factor map (PCA)
L10
O17
O6
O8
O10
O3
O1
O13
O19
O9
O22
O28
O24
O18
O2
O21
O7
O27
O12
O16
O15
O26
O14
20
0
−20
−40
−40
−20
0
20
40
Dim 1 (26.55%)


Individuals factor map (PCA)
O23
O4
O5
O25
O11
O20
20
0
−20
−40
−40
−20
0
20
40
Dim 1 (26.55%)


4
3
2
1
0
−1
−1.5
−1.0
−0.5
0.0
0.5
1.0
g1