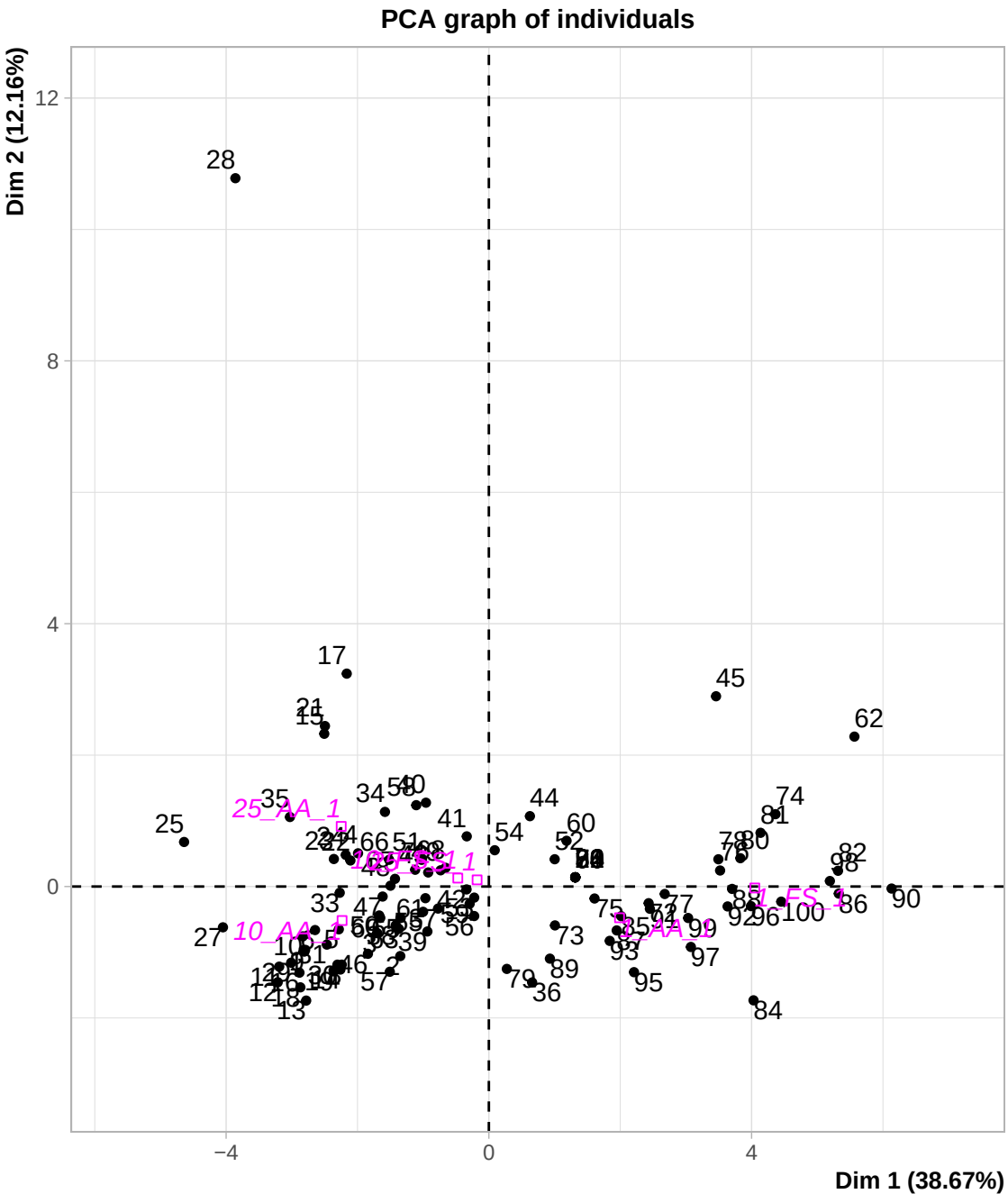
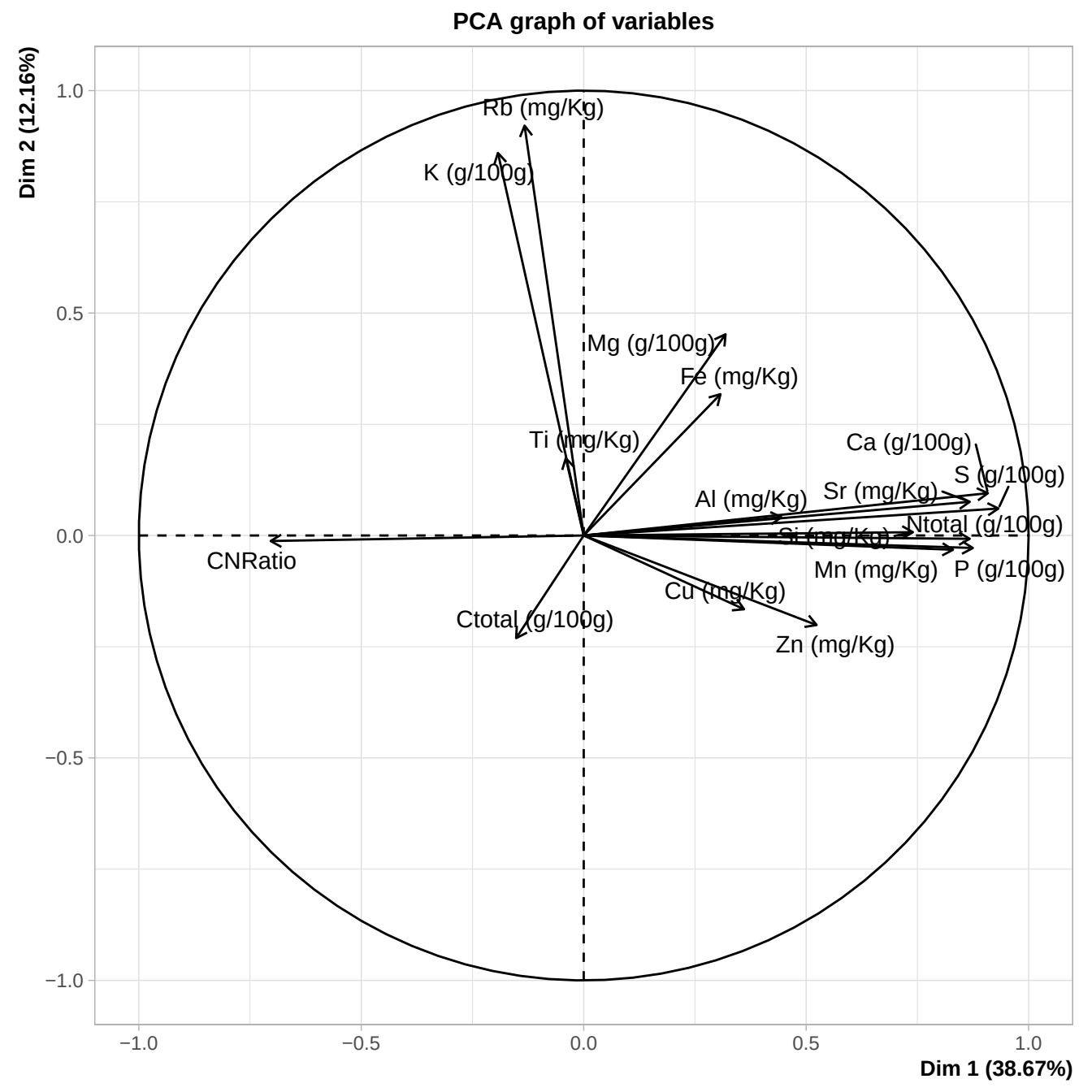
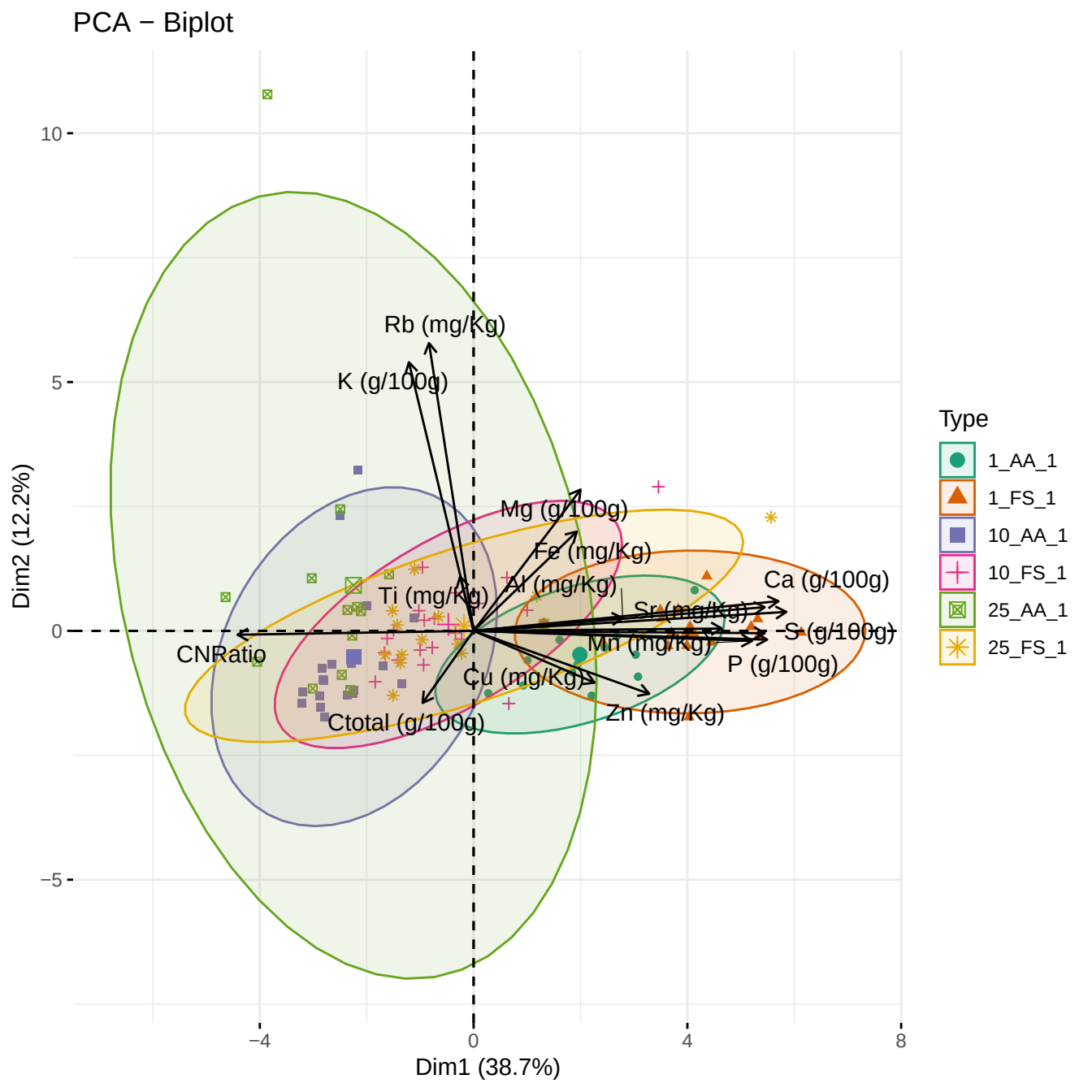
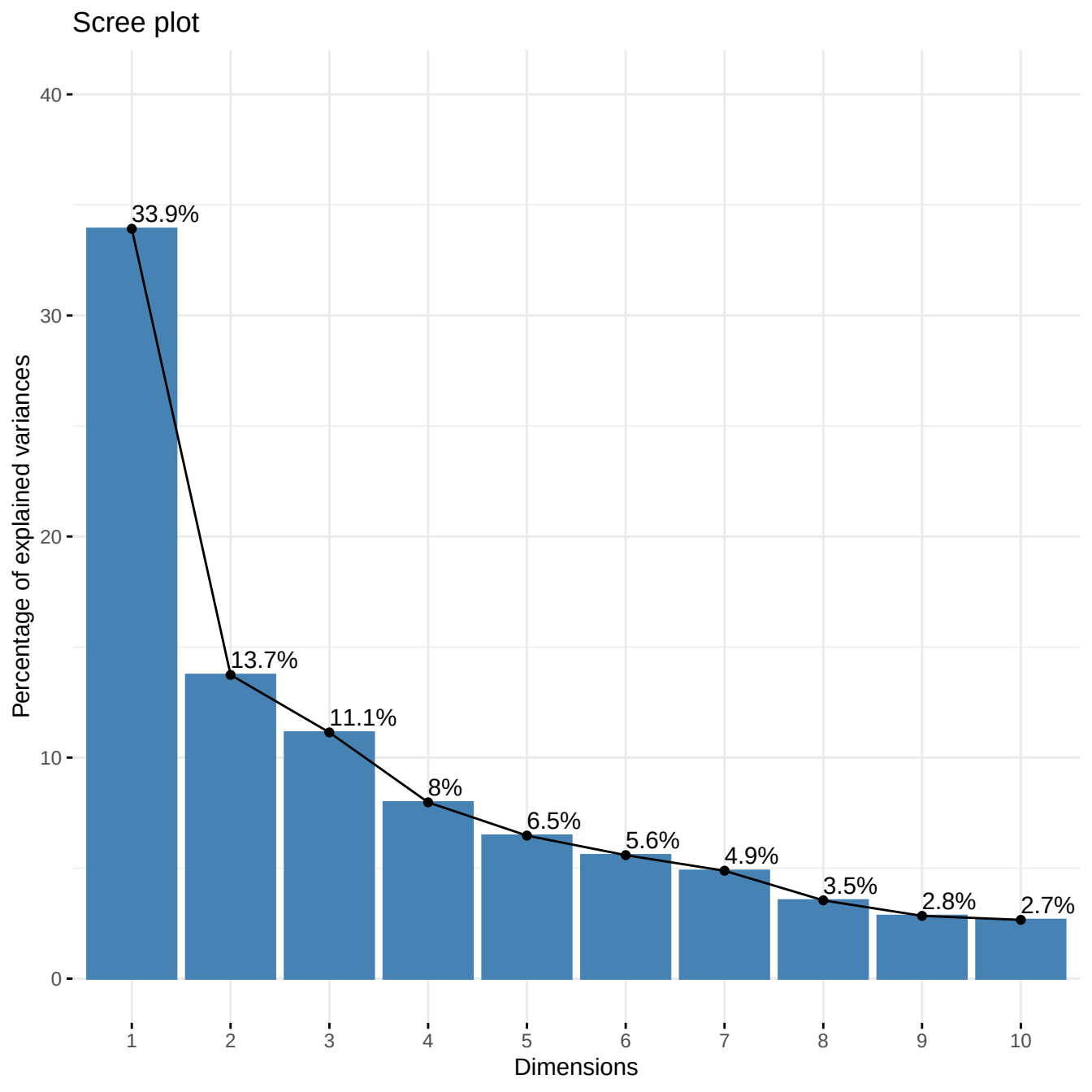
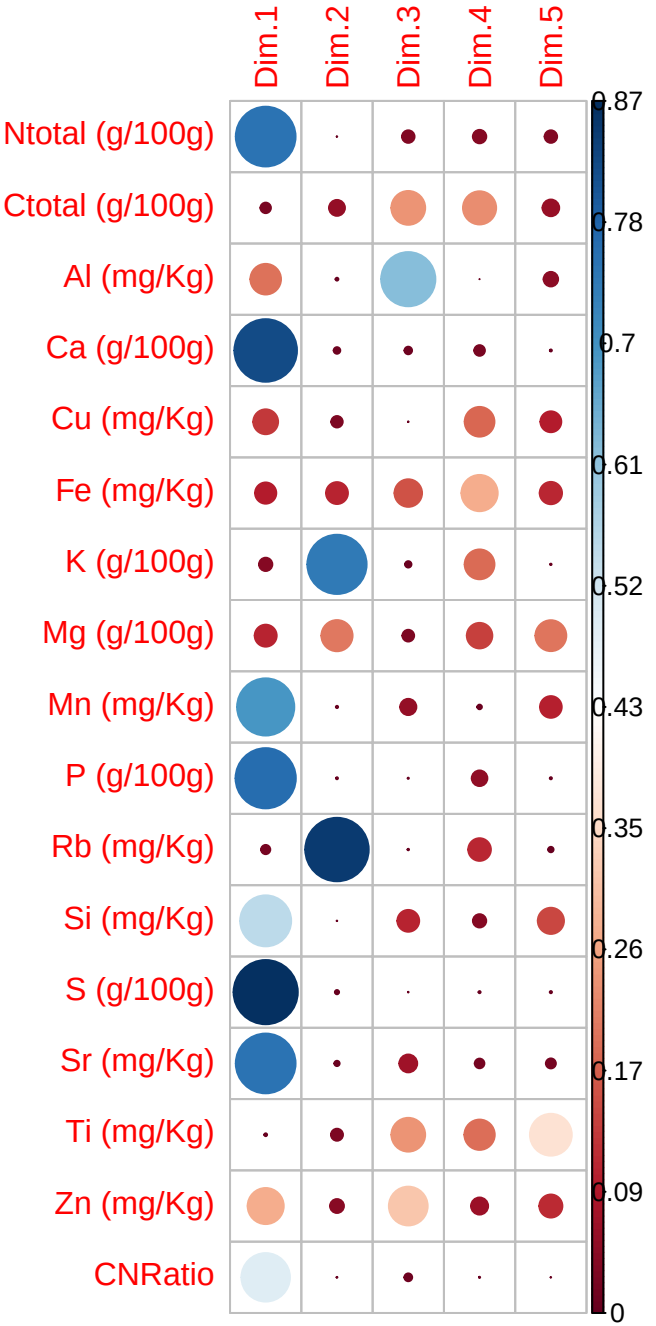
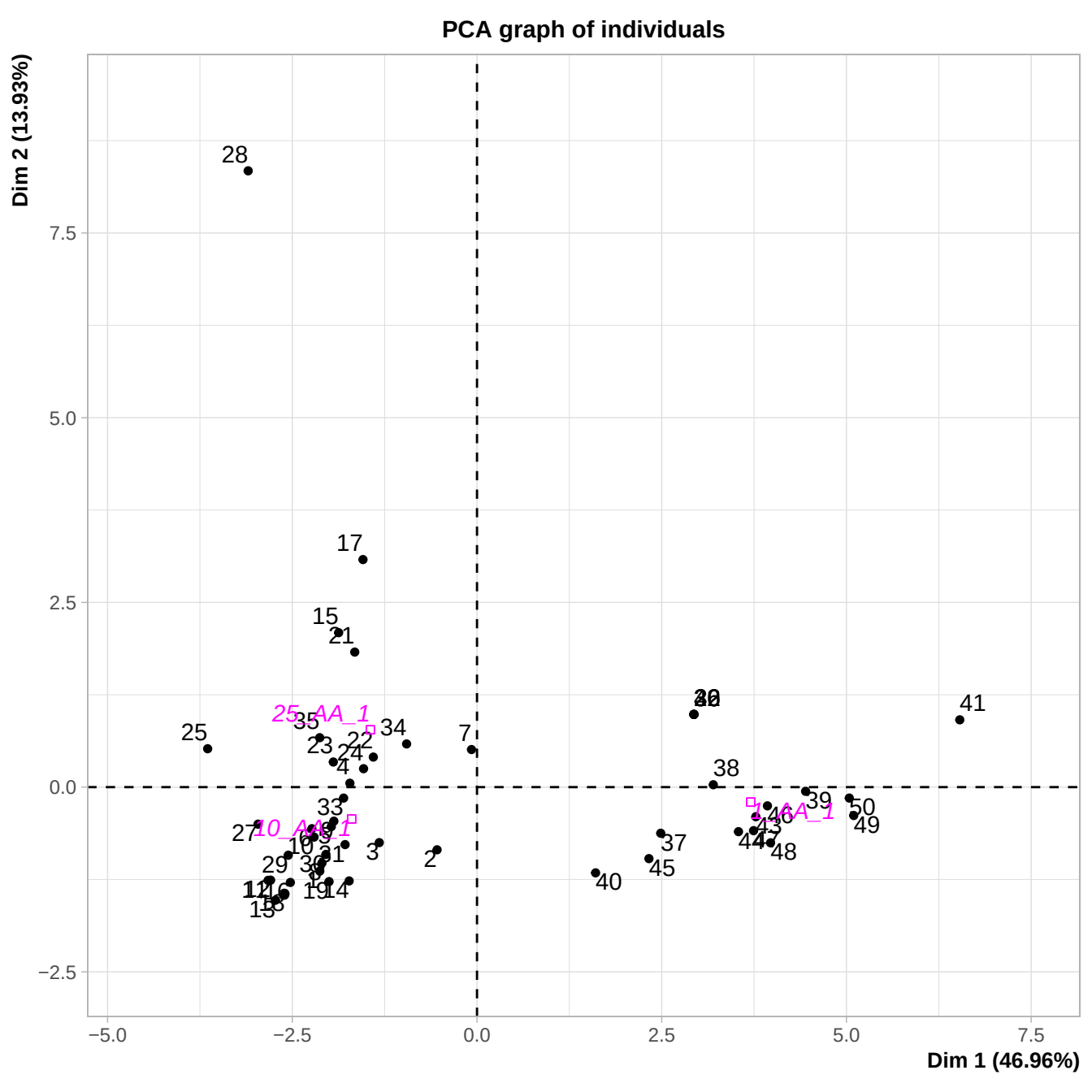

PCA graph of individuals
Dim 2 (12.16%)
Dim 1 (38.67%)
12
8
4
0
−4
0
4
25_AA_1
10_AA_5
1_FS_1
28
17
45
62
25
35
34
41
44
54
60
74
81
82
90
86
100
96
92
97
95
89
73
79
36
84
27
33
47
56
57
13

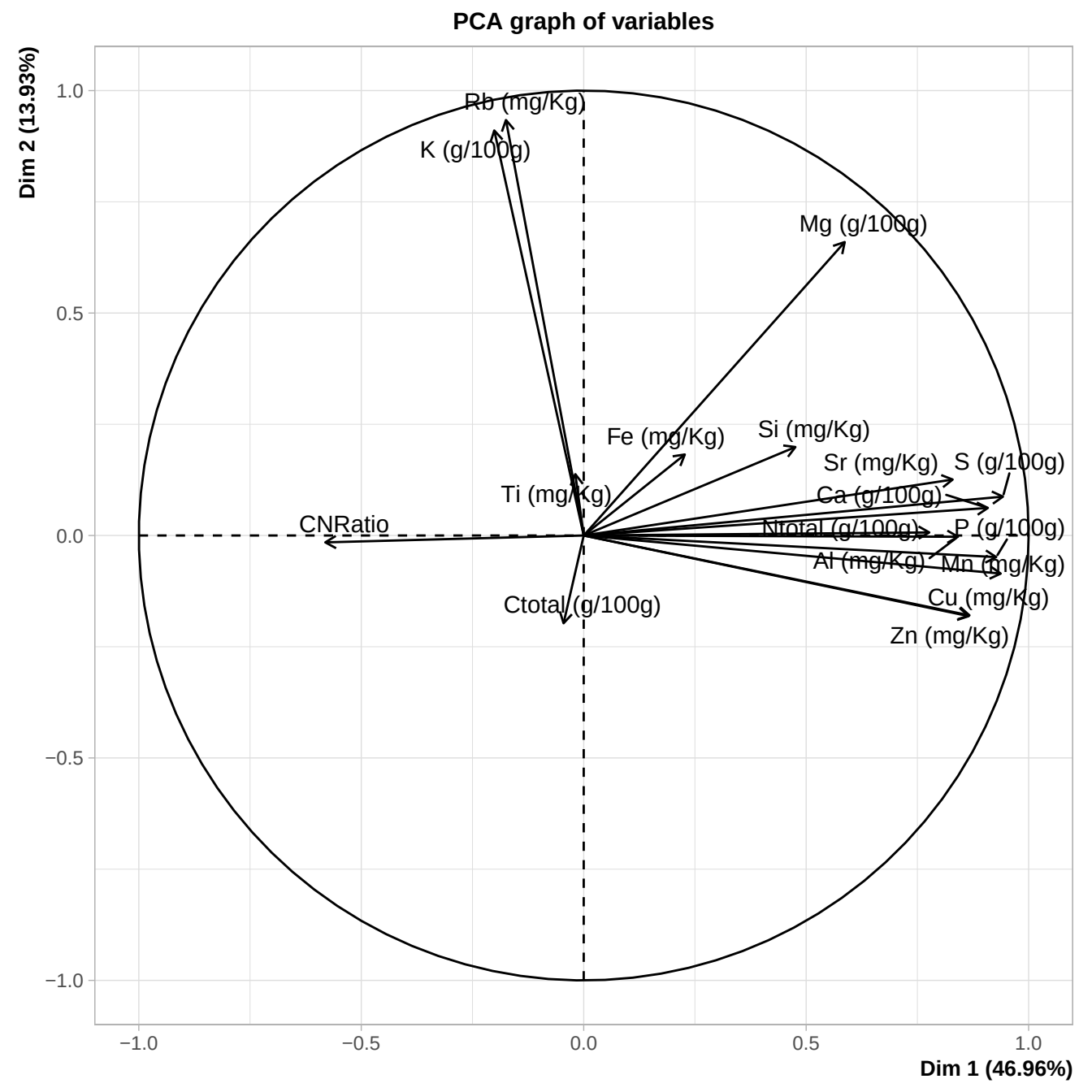

PCA graph of variables
Dim 2 (12.16%)
Dim 1 (38.67%)
1.0
0.5
0.0
−0.5
−1.0
−1.0
−0.5
0.0
0.5
1.0
Rb (mg/Kg)
K (g/100g)
Mg (g/100g)
Fe (mg/Kg)
Ti (mg/Kg)
Ca (g/100g)
S (g/100g)
Sr (mg/Kg)
Al (mg/Kg)
Ntotal (g/100g)
Si (mg/Kg)
CNRatio
Mn (mg/Kg)
P (g/100g)
Cu (mg/Kg)
Ctotal (g/100g)
Zn (mg/Kg)

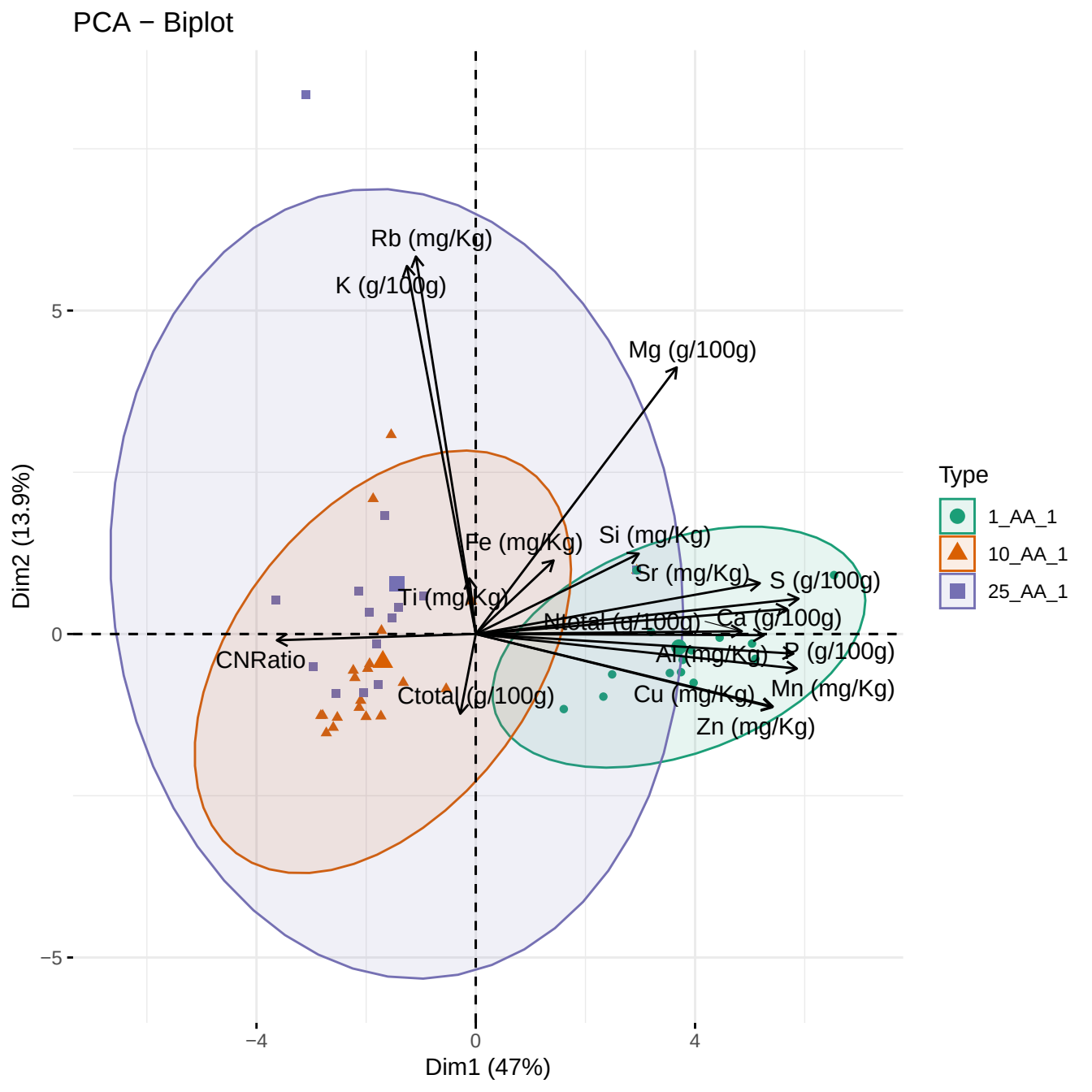

PCA − Biplot
Rb (mg/Kg)
K (g/100g)
Mg (g/100g)
Fe (mg/Kg)
Al (mg/Kg)
Ti (mg/Kg)
Ca (g/100g)
Sr (mg/Kg)
S (g/100g)
Mn (mg/Kg)
P (g/100g)
CNRatio
Cu (mg/Kg)
Zn (mg/Kg)
Ctotal (g/100g)
Dim2 (12.2%)
Dim1 (38.7%)
10
5
0
−5
−4
0
4
8
Type
1_AA_1
1_FS_1
10_AA_1
10_FS_1
25_AA_1
25_FS_1

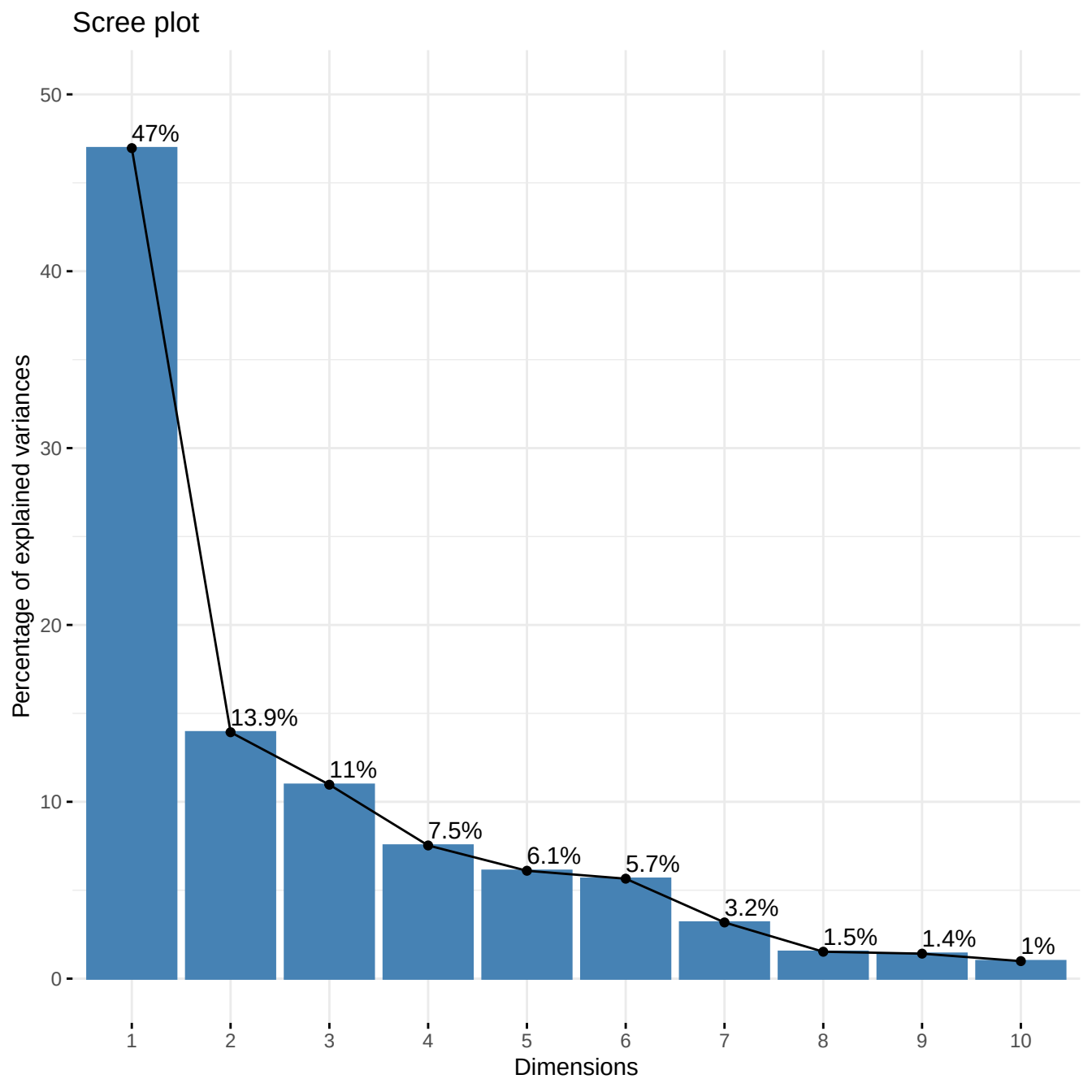

Scree plot
Percentage of explained variances
Dimensions
40
30
20
10
0
1
2
3
4
5
6
7
8
9
10
33.9%
13.7%
11.1%
8%
6.5%
5.6%
4.9%
3.5%
2.8%
2.7%

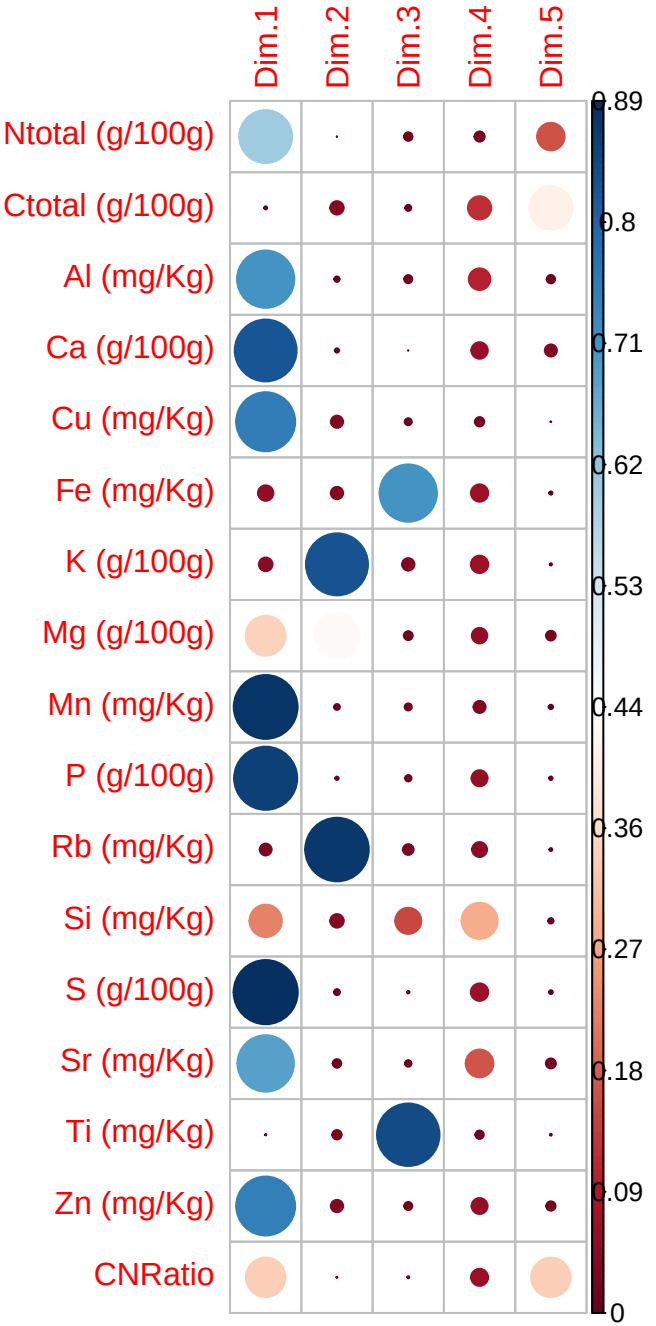

Dim.1
Dim.2
Dim.3
Dim.4
Dim.5
Ntotal (g/100g)
Ctotal (g/100g)
Al (mg/Kg)
Ca (g/100g)
Cu (mg/Kg)
Fe (mg/Kg)
K (g/100g)
Mg (g/100g)
Mn (mg/Kg)
P (g/100g)
Rb (mg/Kg)
Si (mg/Kg)
S (g/100g)
Sr (mg/Kg)
Ti (mg/Kg)
Zn (mg/Kg)
CNRatio
0.87
0.78
0.7
0.61
0.52
0.43
0.35
0.26
0.17
0.09
0

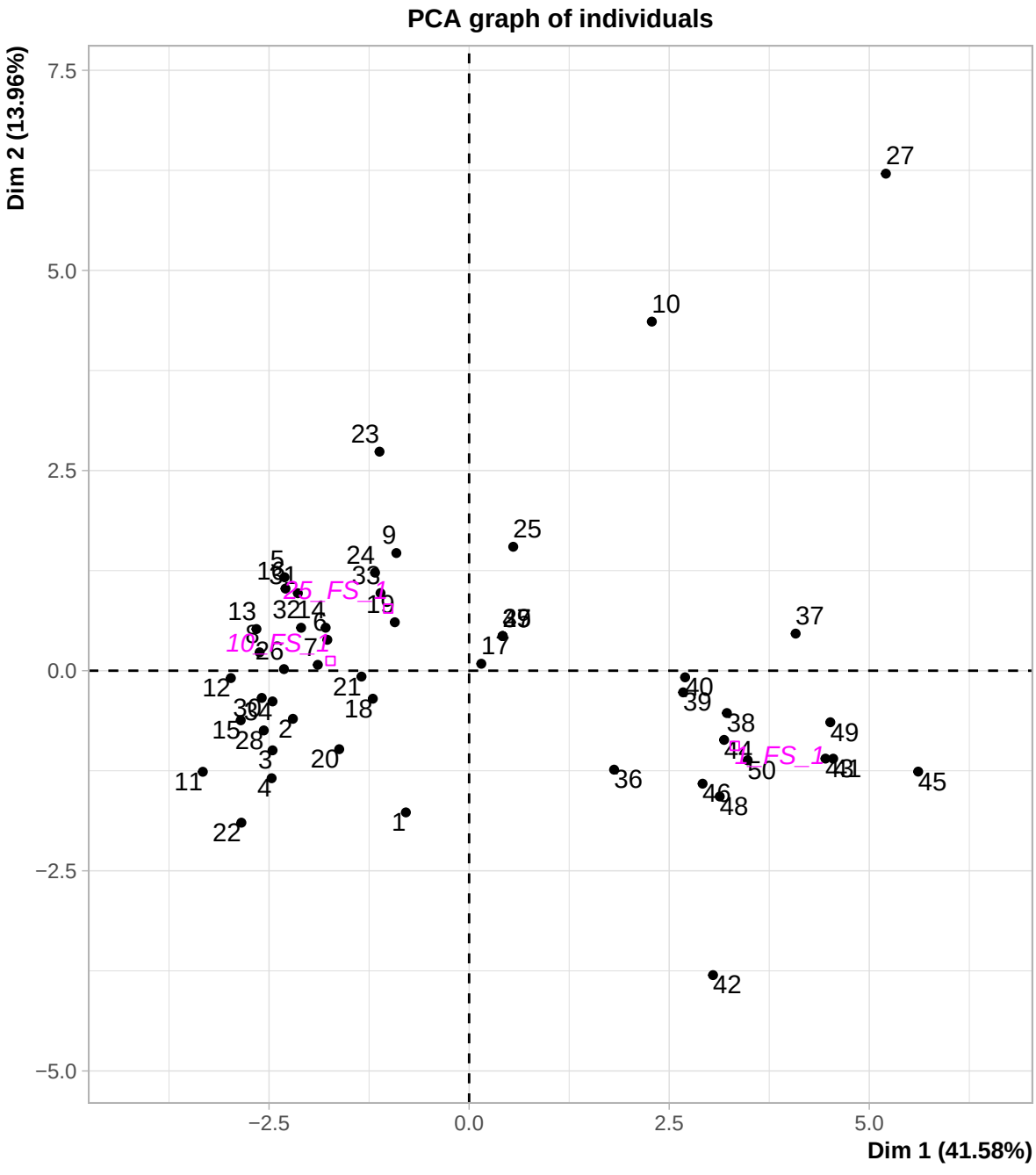

PCA graph of individuals
Dim 2 (13.93%)
Dim 1 (46.96%)
7.5
5.0
2.5
0.0
−2.5
−5.0
−2.5
0.0
2.5
5.0
7.5
25_AA_1
10_AA_1
1_AA_1
28
17
15
21
25
35
34
7
23
22
24
4
33
27
10
29
31
3
2
19
14
15
38
39
50
49
41
37
45
40
48
43
44
47

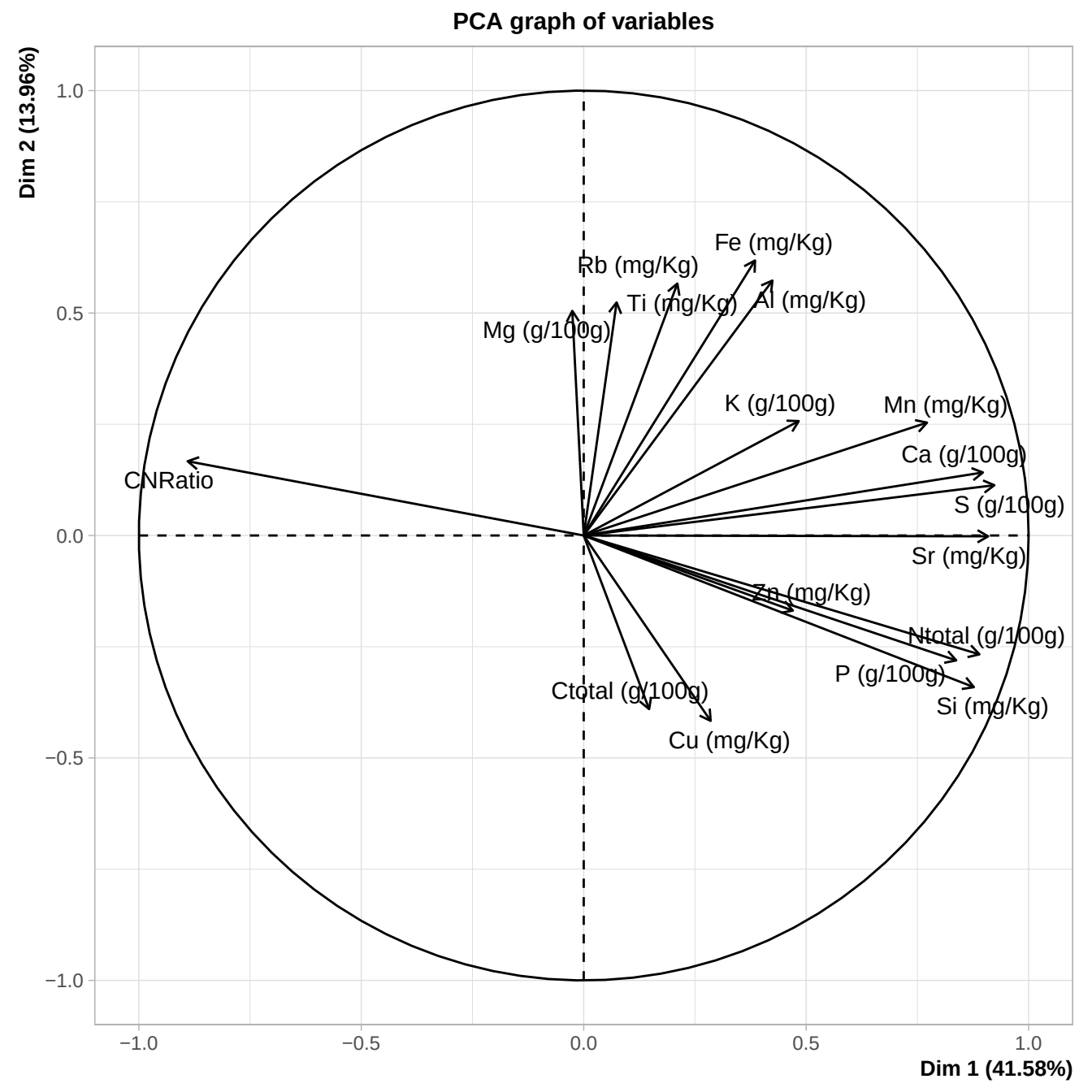

PCA graph of variables
Dim 2 (13.93%)
Dim 1 (46.96%)
1.0
0.5
0.0
−0.5
−1.0
−1.0
−0.5
0.0
0.5
1.0
Rb (mg/Kg)
K (g/100g)
Mg (g/100g)
Fe (mg/Kg)
Si (mg/Kg)
Sr (mg/Kg)
S (g/100g)
Ca (g/100g)
Ti (mg/Kg)
CNRatio
Ntotal (g/100g)
P (g/100g)
Al (mg/Kg)
Mn (mg/Kg)
Cu (mg/Kg)
Ctotal (g/100g)
Zn (mg/Kg)

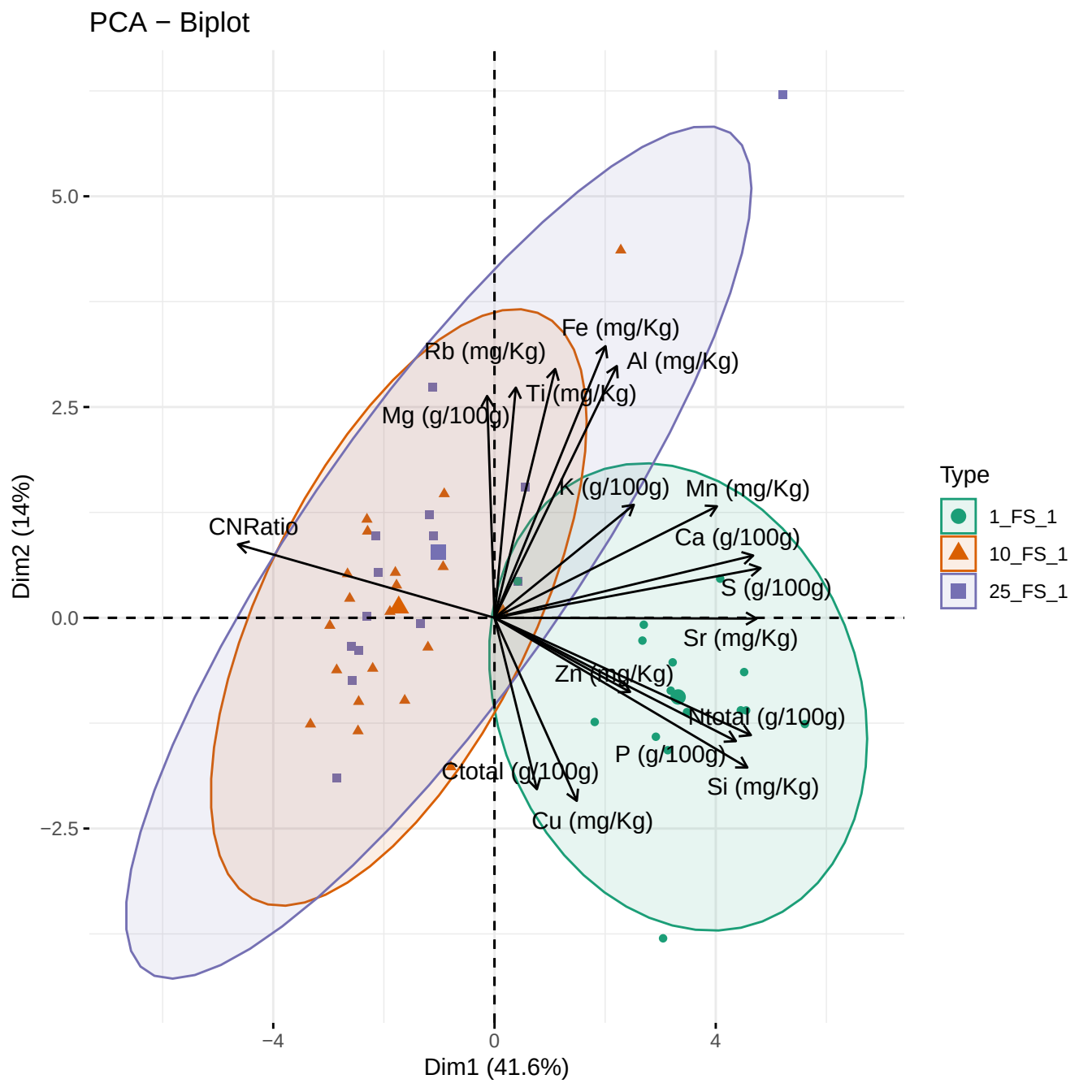

PCA − Biplot
Rb (mg/Kg)
K (g/100g)
Mg (g/100g)
Fe (mg/Kg)
Si (mg/Kg)
Sr (mg/Kg)
S (g/100g)
Ti (mg/Kg)
Ntotal (g/100g)
Ca (g/100g)
CNRatio
Al (mg/Kg)
P (g/100g)
Ctotal (g/100g)
Cu (mg/Kg)
Mn (mg/Kg)
Zn (mg/Kg)
Type
1_AA_1
10_AA_1
25_AA_1
Dim2 (13.9%)
Dim1 (47%)
5
0
−5
−4
0
4

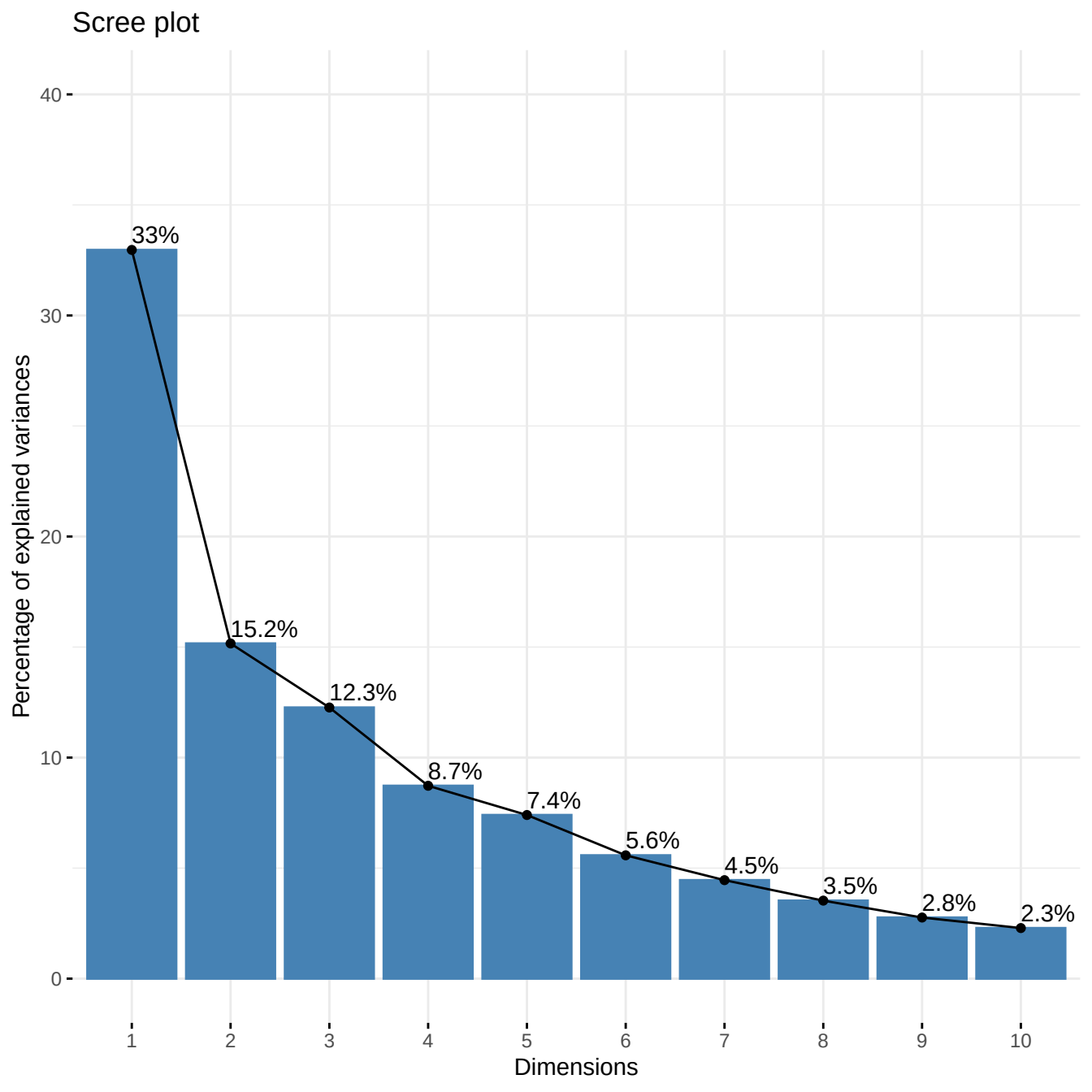

Scree plot
Percentage of explained variances
Dimensions
50
40
30
20
10
0
1
2
3
4
5
6
7
8
9
10
47%
13.9%
11%
7.5%
6.1%
5.7%
3.2%
1.5%
1.4%
1%

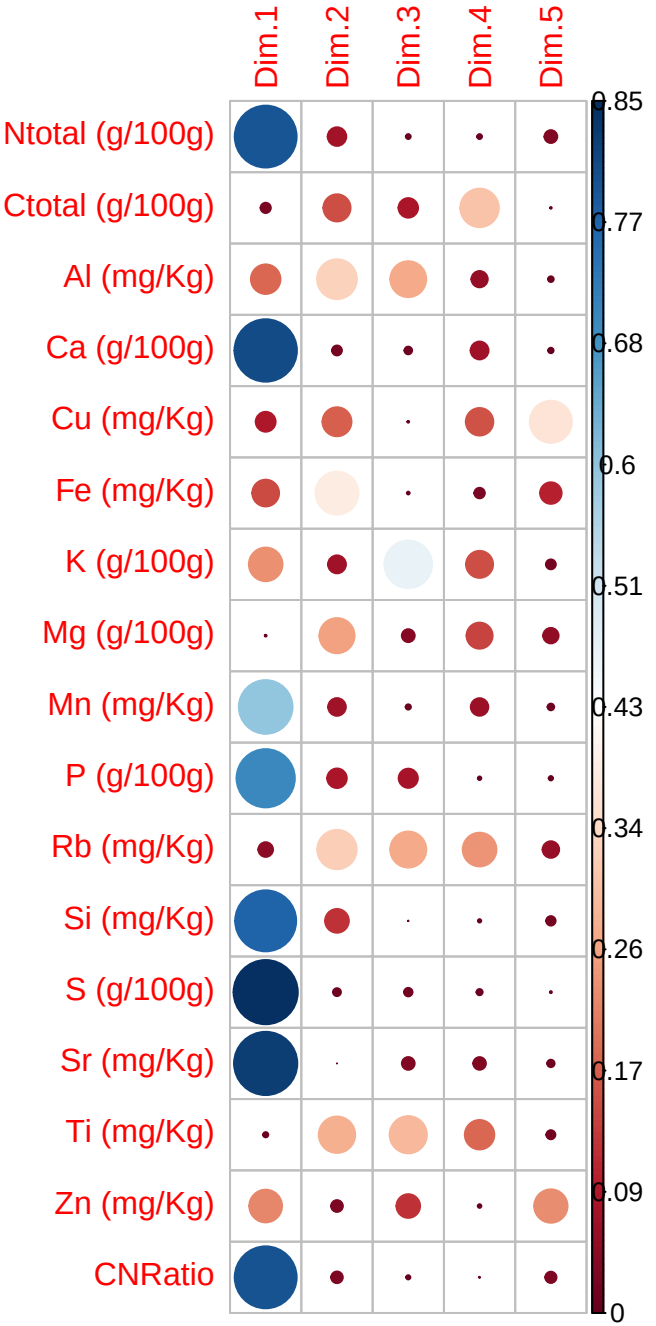

Dim.1
Dim.2
Dim.3
Dim.4
Dim.5
Ntotal (g/100g)
Ctotal (g/100g)
Al (mg/Kg)
Ca (g/100g)
Cu (mg/Kg)
Fe (mg/Kg)
K (g/100g)
Mg (g/100g)
Mn (mg/Kg)
P (g/100g)
Rb (mg/Kg)
Si (mg/Kg)
S (g/100g)
Sr (mg/Kg)
Ti (mg/Kg)
Zn (mg/Kg)
CNRatio
0.89
0.8
0.71
0.62
0.53
0.44
0.36
0.27
0.18
0.09
0


PCA graph of individuals
Dim 2 (13.96%)
Dim 1 (41.58%)
7.5
5.0
2.5
0.0
−2.5
−5.0
−2.5
0.0
2.5
5.0
25_FS_1
10_FS_1
11_FS_1


PCA graph of variables
Dim 2 (13.96%)
Dim 1 (41.58%)
1.0
0.5
0.0
−0.5
−1.0
−1.0
−0.5
0.0
0.5
1.0
Fe (mg/Kg)
Rb (mg/Kg)
Ti (mg/Kg)
Al (mg/Kg)
Mg (g/100g)
K (g/100g)
Mn (mg/Kg)
Ca (g/100g)
CNRatio
S (g/100g)
Sr (mg/Kg)
Zn (mg/Kg)
Ntotal (g/100g)
P (g/100g)
Ctotal (g/100g)
Si (mg/Kg)
Cu (mg/Kg)


PCA − Biplot
Dim2 (14%)
Dim1 (41.6%)
5.0
2.5
0.0
−2.5
−4
0
4
Fe (mg/Kg)
Rb (mg/Kg)
Al (mg/Kg)
Ti (mg/Kg)
Mg (g/100g)
K (g/100g)
Mn (mg/Kg)
CNRatio
Ca (g/100g)
S (g/100g)
Sr (mg/Kg)
Zn (mg/Kg)
Ntotal (g/100g)
P (g/100g)
Ctotal (g/100g)
Si (mg/Kg)
Cu (mg/Kg)
Type
1_FS_1
10_FS_1
25_FS_1


Scree plot
Percentage of explained variances
Dimensions
40
30
20
10
0
1
2
3
4
5
6
7
8
9
10
33%
15.2%
12.3%
8.7%
7.4%
5.6%
4.5%
3.5%
2.8%
2.3%


Dim.1
Dim.2
Dim.3
Dim.4
Dim.5
Ntotal (g/100g)
Ctotal (g/100g)
Al (mg/Kg)
Ca (g/100g)
Cu (mg/Kg)
Fe (mg/Kg)
K (g/100g)
Mg (g/100g)
Mn (mg/Kg)
P (g/100g)
Rb (mg/Kg)
Si (mg/Kg)
S (g/100g)
Sr (mg/Kg)
Ti (mg/Kg)
Zn (mg/Kg)
CNRatio
0.85
0.77
0.68
0.6
0.51
0.43
0.34
0.26
0.17
0.09
0