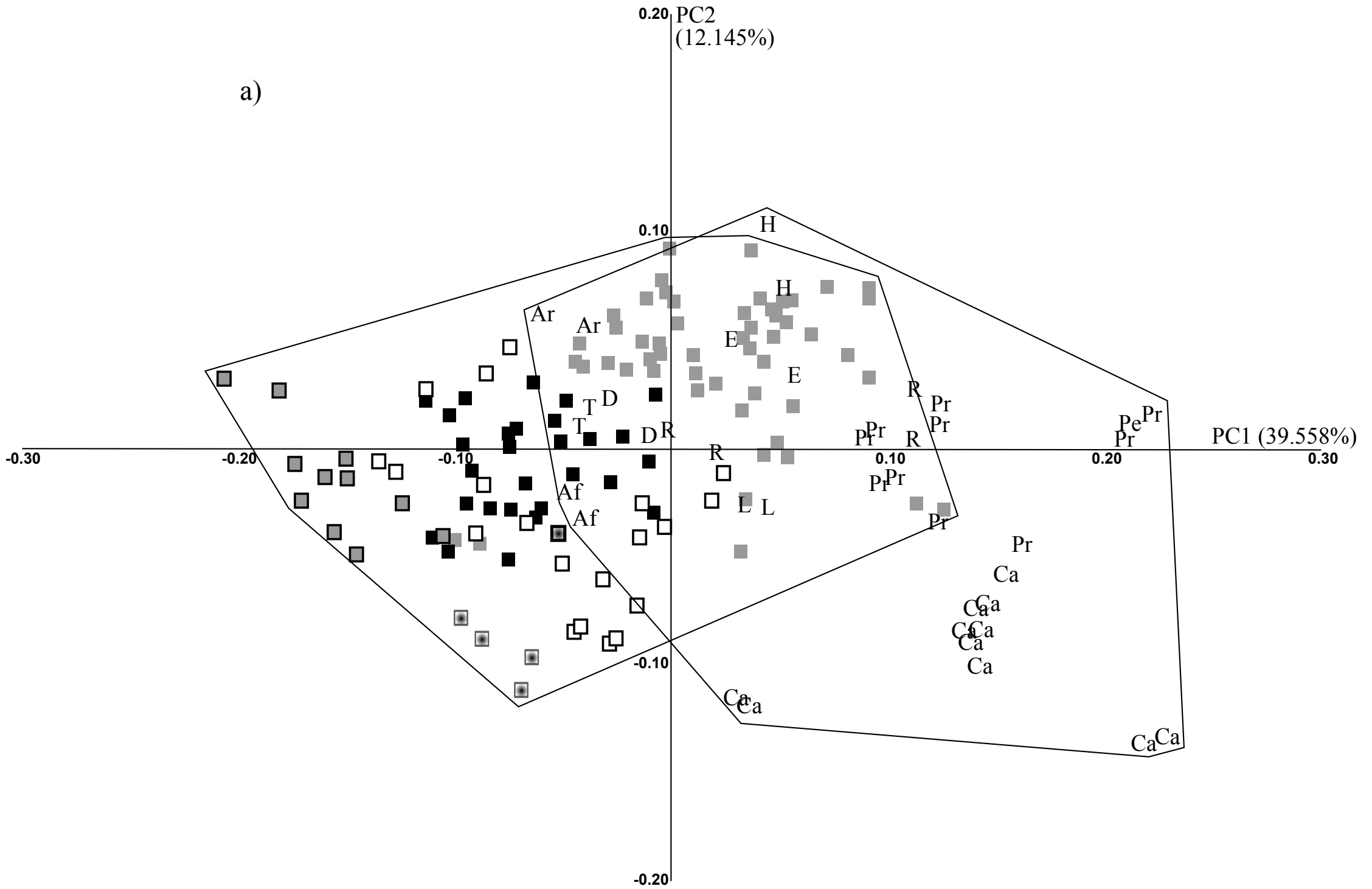
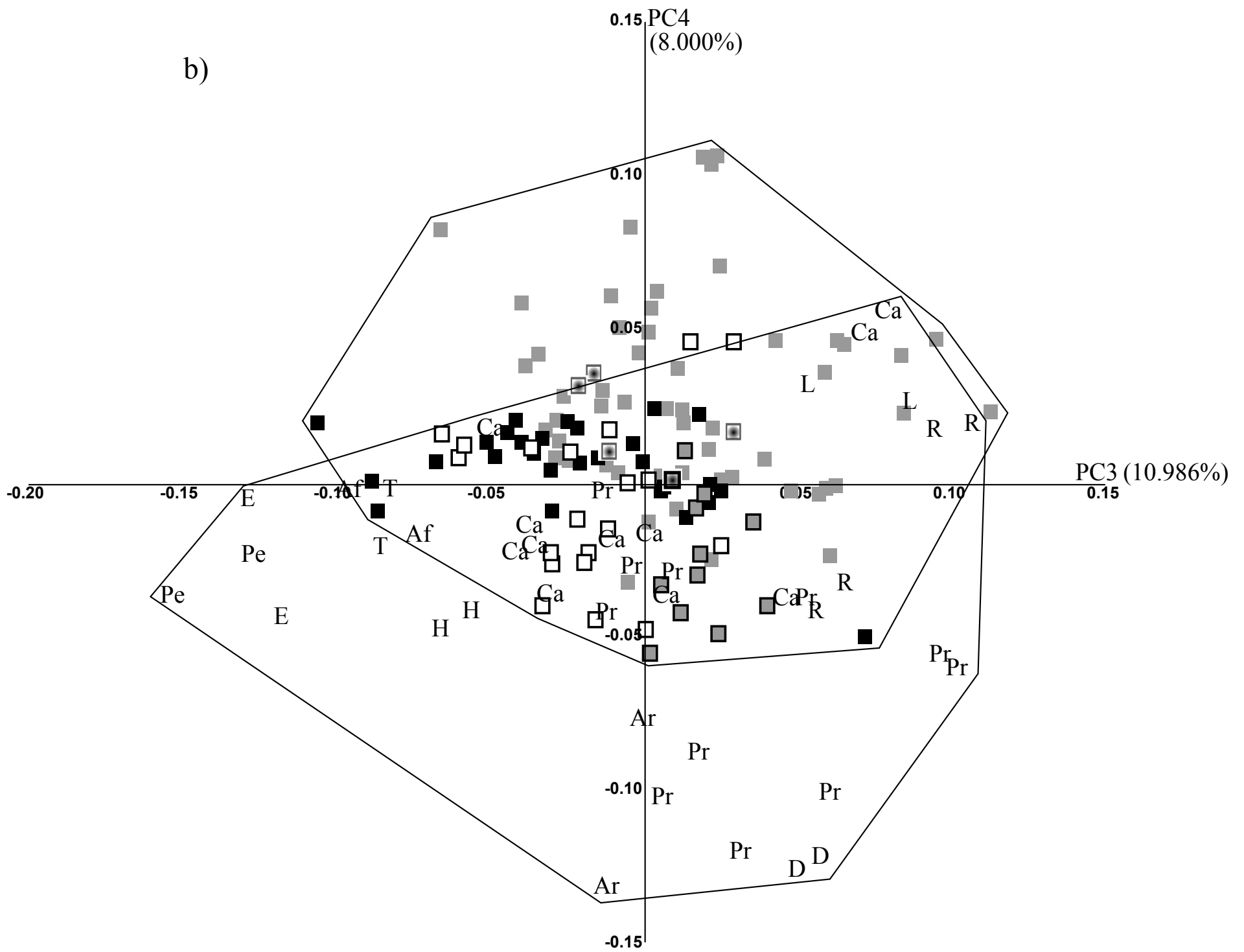
a)


PC2
(12.145%)
PC1 (39.558%)
0.20
0.10
-0.10
-0.20
-0.30
-0.20
-0.10
0.10
0.20
0.30

b)


PC4
(8.000%)
PC3 (10.986%)
0.15
0.10
0.05
-0.05
-0.10
-0.15
-0.20
-0.15
-0.10
-0.05
0.05
0.10
0.15