

a)

Importance of components :

	PC1	PC2	PC3	PC4
Standard deviation	1.9407	1.2724	1.1934	1.0563
Proportion of variance	0.3139	0.1349	0.1187	0.0930
Cumulative proportion	0.3139	0.4488	0.5675	0.6604

b)

Variables	PC1	PC2	PC3	PC4
BGL	<b>0.8474</b>	-0.0607	0.3182	-0.0614
NAG	<b>0.8279</b>	-0.0241	0.3481	0.0095
PHO	<b>0.8958</b>	-0.0171	0.1409	0.0855
resp0	<b>0.7358</b>	-0.0122	-0.3877	0.1873
resp	<b>0.7379</b>	-0.1002	-0.5414	0.1114
ndvi	0.2707	<b>0.7415</b>	0.0037	0.0218
vert	-0.2508	<b>0.6285</b>	-0.1677	-0.1029
adn	0.2312	<b>0.5590</b>	0.2447	0.4650
Ni	0.1934	0.3027	<b>-0.3667</b>	-0.1262
N	-0.3248	0.2505	<b>0.5448</b>	0.2665
P	0.3469	-0.1212	0.4619	<b>-0.5165</b>
canope	-0.147	-0.422	0.0770	<b>0.6899</b>