

Supplementary material 2 – The samples used in this work presented in the space defined by first three principal components.

- This figures in the left column represent 172 samples used for the development of the models based on supervised self-organizing maps (SOM).
- The principal components (PCs) and their axes were defined using only the samples which were used for training of the supervised SOMs. After that all 172 samples were mapped into the space defined by first three PCs. These 172 samples are presented in the left column.
- The additional 28 samples (which were collected in 2019) are mapped into the previously defined space (PC1-PC2, then PC1-PC3 as well as PC2-PC3). These 28 samples are presented in the right column of graphs. This new samples (in the right column) are labeled in a same way as the samples presented in Table 2.

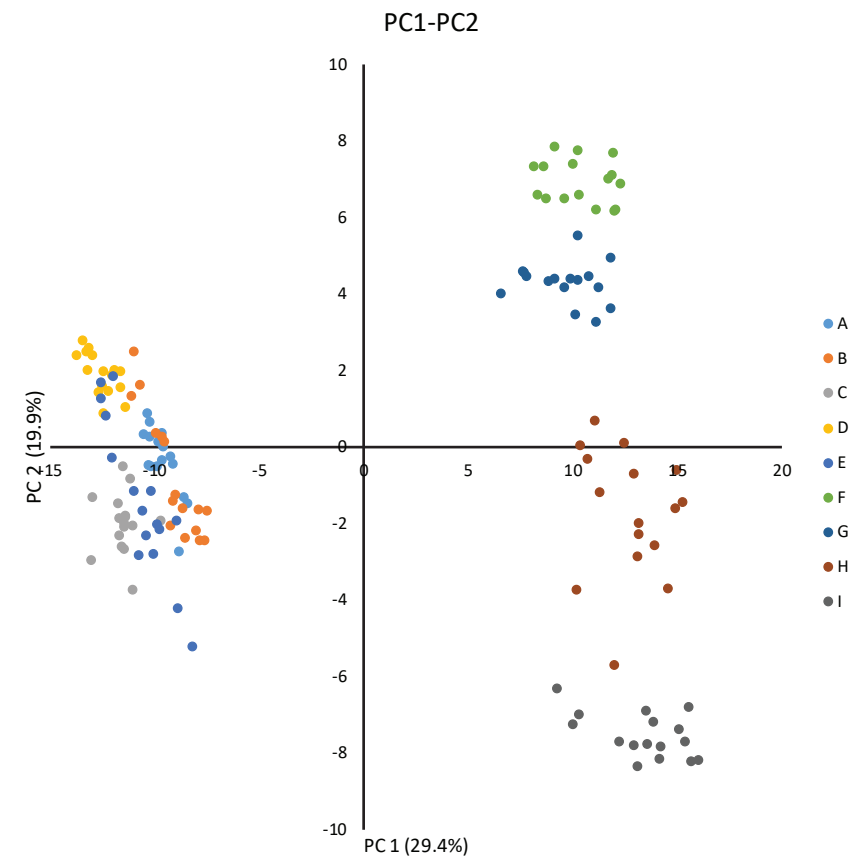
Note:

PC1 – First principal component

PC2 – Second principal component

PC3 – Third principal component

TRAINING SAMPLES



REAL SAMPLES (2019)

