

Fig. SM1 - NMDS biplot for the measured soil parameters with the superimposition of the confidence ellipses with $\alpha = 0.05$. “+” and circles represent variables and objects, respectively.

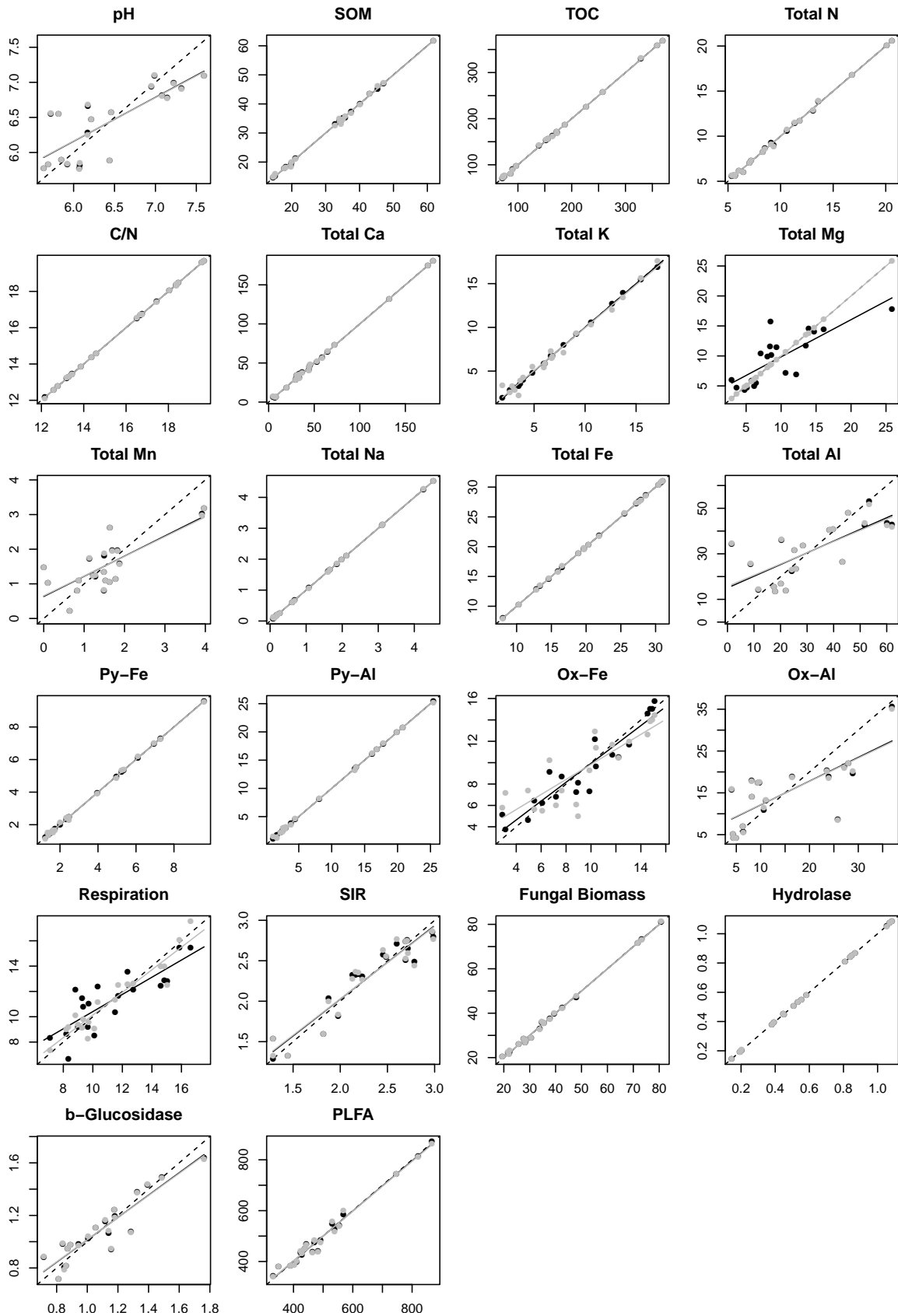


Fig. SM2 - Scatter plot of the predicted *vs.* measured values of each studied parameter for the PLSR models using the x_i vectors (black) and the d_i vectors (grey). Dashed lines show the linear fit of both the point clouds. Units for the axes are the same as in Table 3.

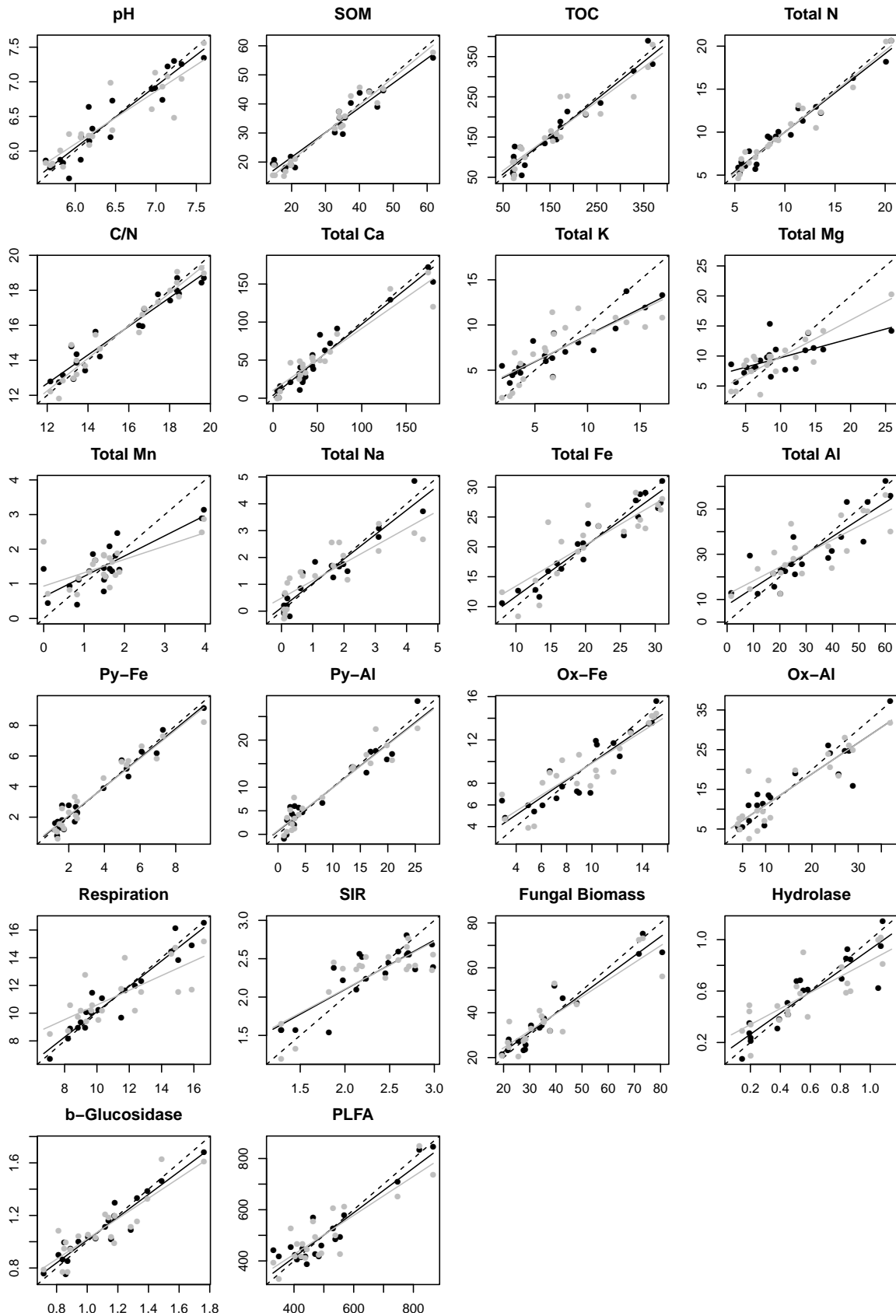


Fig. SM3 - Scatter plot of the predicted *vs.* measured values of each studied parameter for the SPC/LASSO models using the x_i vectors (black) and the d_i vectors (grey). Dashed lines show the linear fit of both the point clouds. Units for the axes are the same as in Table 3.

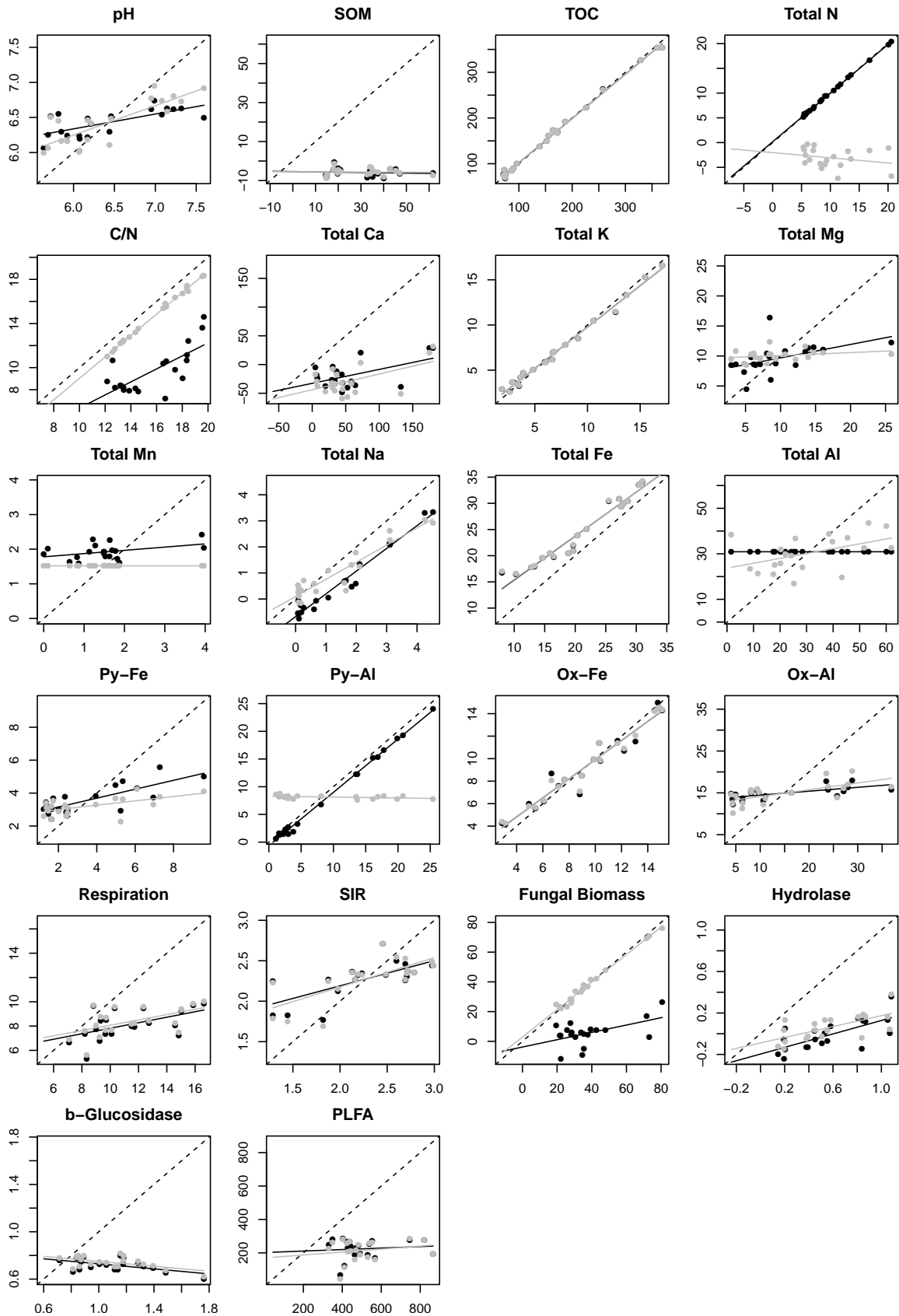


Fig. SM4 - Scatter plot of the predicted *vs.* measured values of each studied parameter for the Elastic net models using the x_i vectors (black) and the d_i vectors (grey). Dashed lines show the linear fit of both the point clouds. Units for the axes are the same as in Table 3.