



Supplementary Figure 2 Predicted cell wall mg /g dried biomass (DW) determined by application of a PLSR model generated from FTIR spectra vs measured (reference) values of isolated cell walls derived from ground leaf clippings of *Cynodon* grasses by washing non-cell wall extractives away with ethanol and 40°C water. The calibration set of samples (blue) was used to generate the model, while another independent validation set of samples (red) was used to test the capability of the model to predict unknown datasets with the R^2 and RMSE obtained for the validation set providing a measure of the model's accuracy in predicting unknown samples based on their FTIR spectra.