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Supplement of

Soil water content drives spatiotemporal patterns of CO_2 and N_2O emissions from a Mediterranean riparian forest soil

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Figure S1: Concentrations of carbon dioxide (left column) and nitrous oxide (right column) during the incubation time for the sampling campaign of June 2013. Data is shown for the near-stream, intermediate and hillslope zones separately. For each plot, data is shown as mean ± SD (n = 5) for all sampling days of June. The best fit linear model used to calculate gas emissions is shown for each plot.
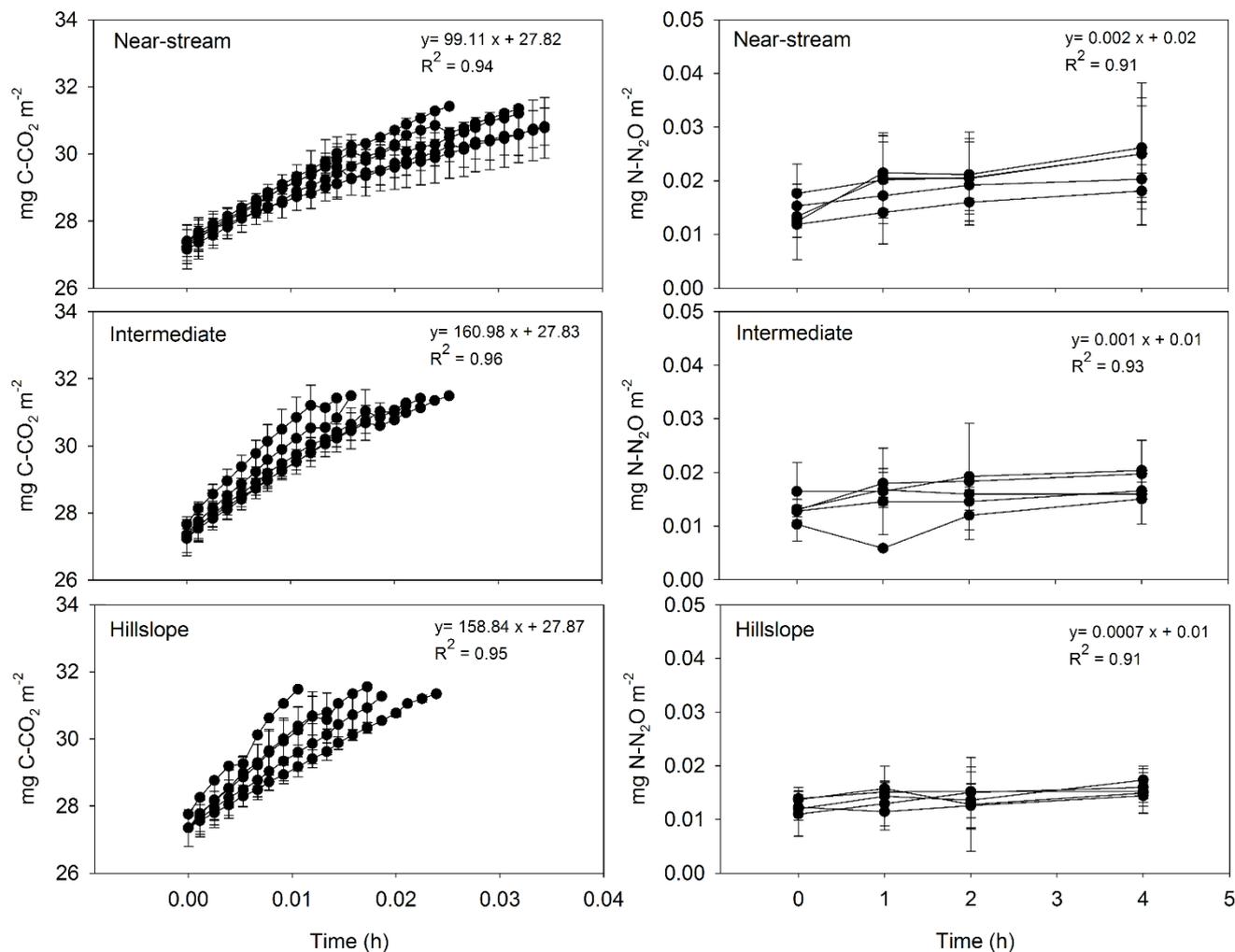
Figure S2. Loading plot of the (a) CO_2 and (b) N_2O partial least squares models (PLS) for the 75 measurements. The graph depicts the correlation structures between the X variables (circles) and gas emissions (vectors). Variables situated along the same directional axis correlate with each other. Different color in X variables indicates their influence on gas emissions based on the "variable importance in the projection (VIP)" scores for each model. In each case, white has VIP scores < 0.8, grey has VIP scores < 1.0 and black has VIP scores > 1.0.