

Table S1 Detail of species, pot sizes and growing media of samples used in this study

Common name	Species	Pot Sizes (L)	Large pot (myco bx)		Small pot (myco bx)		Large pot (bx)		Small pot (bx)		Totals	
			plants	leaves	plants	leaves	plants	leaves	plants	leaves	plants	leaves
tomato	<i>Solanum lycopersicum</i> var. <i>lycopersicum</i>	30, 11	1	3	2	3	3	7	3	7	9	20
cucumber	<i>Cucumis sativus</i>	11, 4	2	6	4	6	3	6	3	5	12	23
zucchini	<i>Cucurbita pepo</i>	11, 4	1	4	3	5	4	5	4	5	12	19
soybean	<i>Glycine max</i>	13, 4	2	3	3	7	3	3	3	4	11	17
bush bean	<i>Phaseolus vulgaris</i>	4, 2	5	8	5	8	-	-	-	-	10	16
basil	<i>Ocimum basilicum</i>	11, 2	3	7	2	5	1	4	2	4	8	20
sunflower	<i>Helianthus annuus</i>	11, 4	5	10	4	10	4	9	4	12	17	41
poplar	<i>Populus deltoides</i> Bartr. x <i>Populus nigra</i> L.	100, 13	2	6	1	7	2	6	3	12	8	31

A total of 187 leaves were sampled from 87 different plants, each randomly selected from a pool of plants comprising 4 – 9 plants for each treatment combination. myco bx = Pro-mix BX mycorrhizae growth media, bx = Pro-mix BX growth media (Premier Tech, Rivière-du-Loup, Québec, Canada).

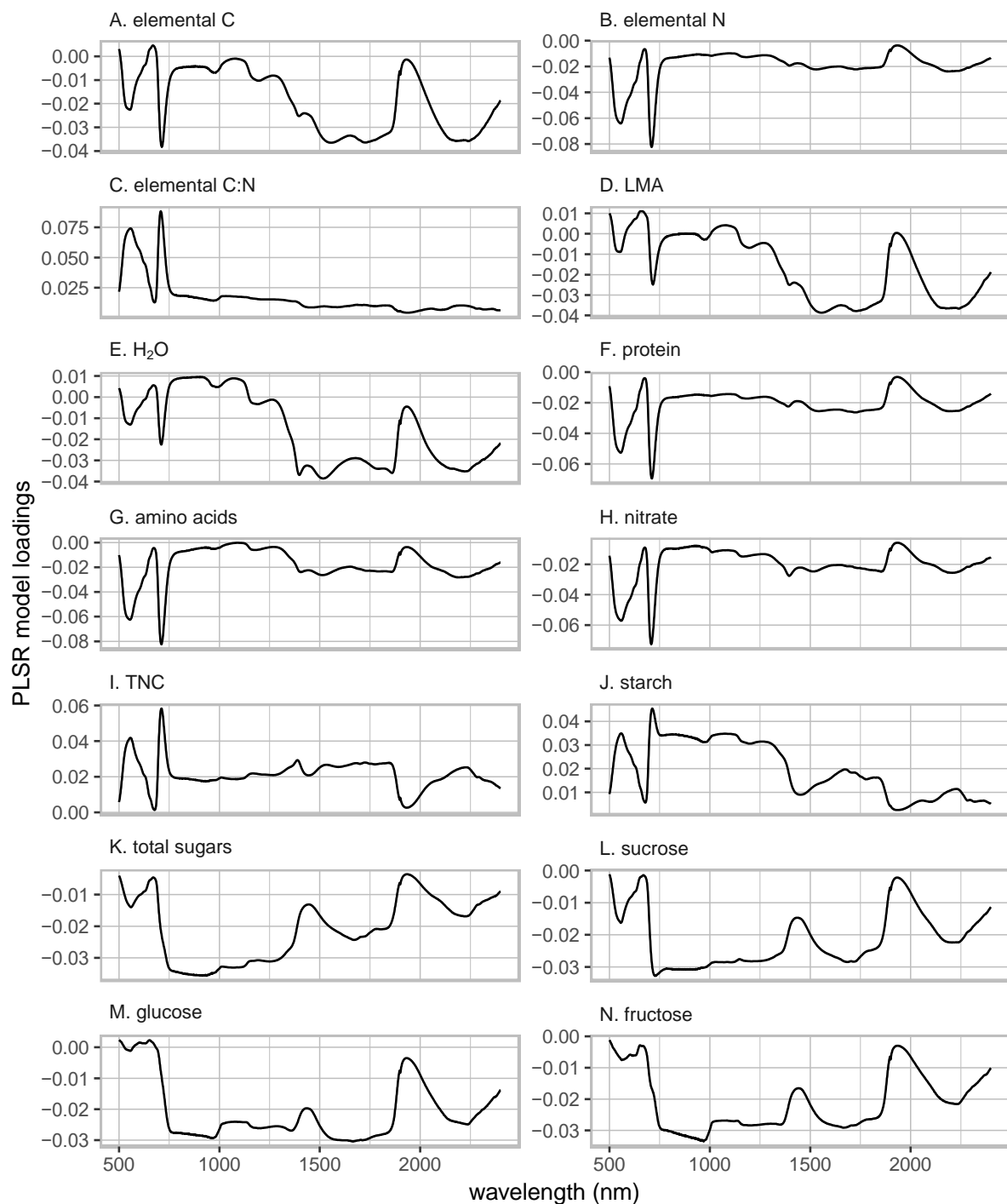


Fig. S1 PLSR model loadings for all traits assessed in this study. Loadings indicate the contribution of each trait throughout the wavelength range, with regions that depart from zero being the most important for the model. A. C g m⁻², B. N g m⁻², C. C:N, D. LMA g m⁻², E. H₂O g m⁻², F. protein mg m⁻², G. amino acids μmol m⁻², H. log nitrate μmol m⁻², I. total non-structural carbohydrate (TNC) μmol C₆ m⁻², J. starch μmol C₆ m⁻², K. log total sugars μmol C₆ m⁻², L. log sucrose μmol C₆ m⁻², M. log glucose μmol C₆ m⁻² and N. log fructose μmol C₆ m⁻².

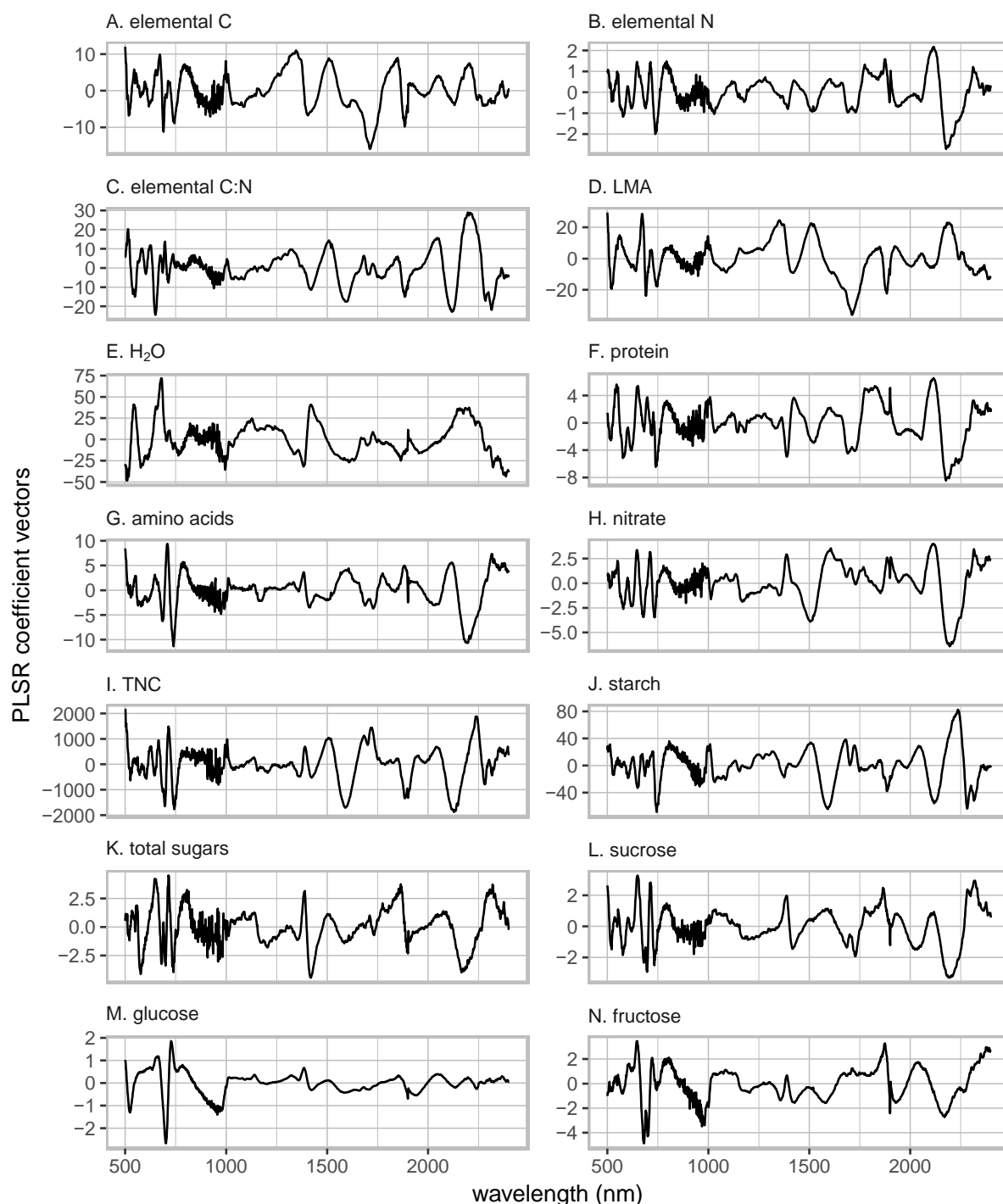


Fig. S2 PLSR model regression coefficient vectors for all traits assessed in this study. Trait values are estimated by multiplying wavelength values by the regression coefficients plus the intercept. A. C g m⁻², B. N g m⁻², C. C:N, D. LMA g m⁻², E. H₂O g m⁻², F. protein mg m⁻², G. amino acids μ mol m⁻², H. log nitrate μ mol m⁻², I. total non-structural carbohydrate (TNC) μ mol C₆ m⁻², J. starch μ mol C₆ m⁻², K. log total sugars μ mol C₆ m⁻², L. log sucrose μ mol C₆ m⁻², M. log glucose μ mol C₆ m⁻² and N. log fructose μ mol C₆ m⁻².