

Supplementary material

Table 1: Supplementary material - Pearson correlation coefficients between sugars, organic acids, TPC and antioxidant activity of the leaves of yerba mate PLANT and NAT¹

	FRU	CIT	ACE	MAL	TAR	LAT	SUC	TPC	DPPH	FRAP	ABTS
GLU	1.000*	0.994*	-0.992*	-0.998*	0.691	-0.993*	-0.819*	-0.999*	-0.006*	-0.991*	-0.919*
FRU	1.000	0.994*	-0.991*	-0.999*	0.683	-0.994*	-0.820*	-0.998*	-0.996*	-0.993*	-0.921*
CIT		1.000	-0.980*	-0.991*	0.683	-0.993*	-0.840*	-0.997*	-0.991*	-0.990*	-0.877*
ACE			1.000	0.984*	-0.683	0.973*	0.797	0.992*	0.993*	0.975*	0.912*
MAL				1.000	-0.679	0.995*	0.816*	0.996*	0.992	0.993*	0.927*
TAR					1.000	-0.652	-0.512	-0.693	-0.681	-0.634	-0.646
LAT						1.000	0.862*	0.991*	0.990*	0.999*	0.889*
SUC							1.000	0.816*	0.853*	0.874*	0.580
TPC								1.000	0.994*	0.989*	0.907*
DPPH									1.000	0.992*	0.898*
FRAP										1.000	0.886*
ABTS											1.000

¹ Relative parameter from PLANT and NAT leaves

*Significant terms ($p \leq 0,05$)

GLU: glucose (mg/g)

FRU.: fructose (mg/g)

CIT: citric acid (mg/g)

ACE: acetic acid (mg/g)

MAL: malic acid (mg/g)

TAR: tartartaric acid (mg/g)

LAT: latic acid (mg/g)

SUC: succinic acid (mg/g)

TPC: Total Phenolic Content ($\mu\text{g EAG/g}$)

DPPH: Antioxidant activity by DPPH assay ($\mu\text{mol TEAC/g}$)

FRAP: Antioxidant activity by FRAP assay ($\mu\text{mol TEAC/g}$)

ABTS: Antioxidant activity by ABTS assay ($\mu\text{mol TEAC/g}$)

PLANT: leaves of intentional planting

NAT: leaves of native mate.