

Supplementary Materials: *Oenocarpus bacaba* and *Oenocarpus bataua* Leaflets and Roots: A New Source of Antioxidant Compounds

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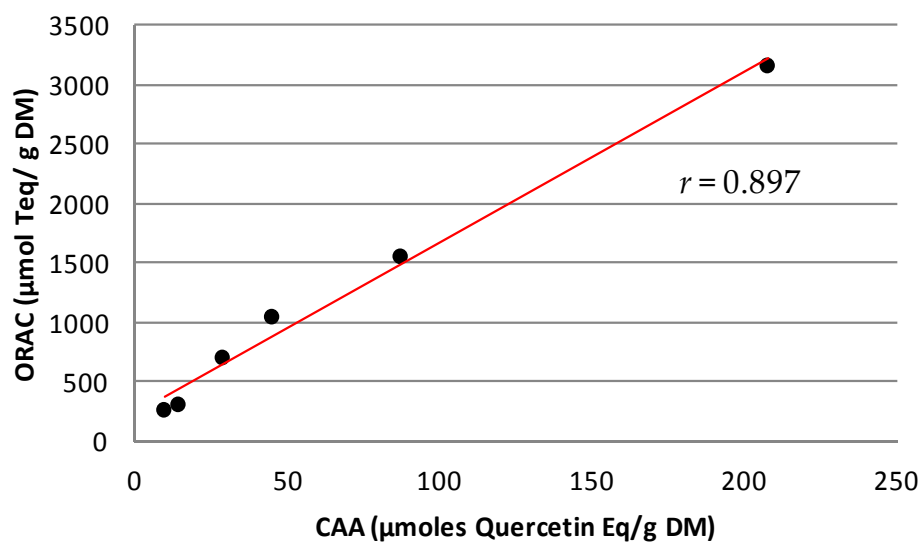


Figure S1. Correlation between ORAC and CAA activity. Correlations have been calculated using a Pearson's r correlation coefficient ($p < 0.05$). n: 3 biological repetitions by palm species.

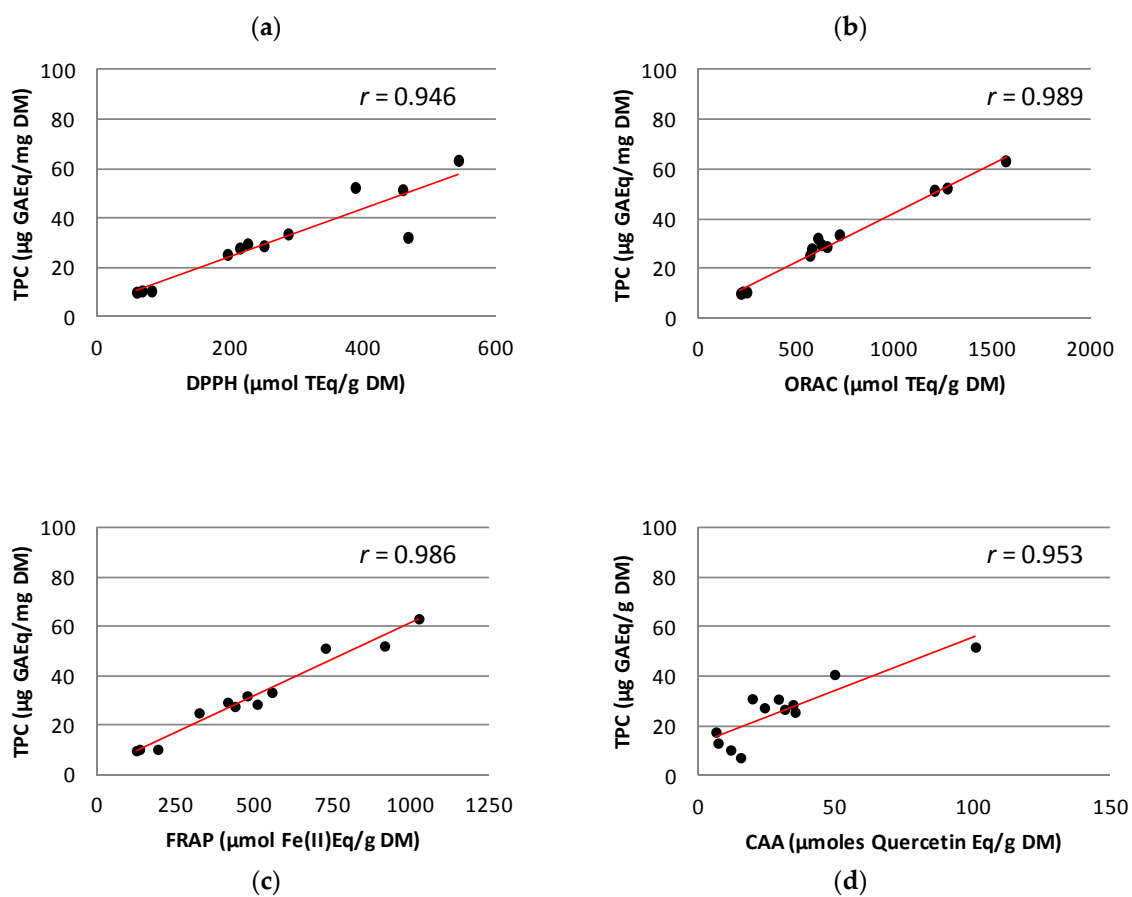


Figure S2. Correlations between Total Phenolic Content and, (a) DPPH, (b) FRAP, (c) ORAC (d) CAA of *O. bataua* and *O. bacaba* root and leaflet extracts. Correlations have been calculated using a Pearson's r correlation coefficient ($p < 0.05$). n: 3 biological repetitions by palm species.

Table S1. Palm extracts classification.

Classification	TPC			DPPH			FRAP			ORAC		
	Organ	Extract	Content ^a	Organ	Extract	Activity ^b	Organ	Extract	Activity ^c	Organ	Extract	Activity ^d
Poor extracts	R	Obt-W	9,6	R	Obt-W	60,9	R	Obt-W	128	R	Obt-W	218
	L	Obt-W	10,1	L	Obt-W	68,9	L	Obt-W	138	L	Obt-W	229
	R	Obc-W	10,1	R	Obc-W	83,3	R	Obc-W	196	R	Obc-W	248
Intermediate extracts	L	Obt-M	24,9	L	Obt-M	197,4	L	Obt-M	327	L	Obt-M	569
	R	Obc-M	27,5	R	Obc-M	215,9	R	Obt-M	418	R	Obc-M	579
	R	Obc-A	28,4	R	Obt-M	227,7	R	Obc-M	441	L	Obc-W	610
	R	Obt-M	29,2	R	Obc-A	252,3	L	Obc-W	480	R	Obt-M	627
	L	Obc-W	31,8	R	Obt-A	288,7	R	Obc-A	512	R	Obc-A	656
	R	Obt-A	33,2	L	Obc-M	389,7	R	Obt-A	559	R	Obt-A	720
	L	Obt-A	51,1	L	Obt-A	461	L	Obt-A	729	L	Obt-A	1203
Good extracts	L	Obc-M	52	L	Obc-W	468,9	L	Obc-M	917	L	Obc-M	1268
	L	Obc-A	63	L	Obc-A	544,9	L	Obc-A	1026	L	Obc-A	1565

Obt: *Oenocarpus bataua*; Obc: *Oenocarpus bacaba*; A: Acetone/water; M: Methanol/water; W: Water, R: Root; L: Leaflet; ^a Content in μg GAEq/mg DM; ^b Activity in μmol TEq/g DM; ^c Activity in μmol TEq/g DM; ^d μmol TEq/g DM. Classification have been performed using the reproducible hierarchical positioning of the extract in the 4 assays and their activity value.

Table S2. Total phenolic content and chemical activities (DPPH, FRAP, ORAC) of *Oenocarpus bataua*, *Euterpe oleracea* berries and green tea leaves.

Extract	Organ	Assay	TPC	DPPH	FRAP	ORAC
		Palm	($\mu\text{g GAEq/mg DM}$)	($\mu\text{mol TEq/g DM}$)	($\mu\text{mol Fe(II)Eq/g DM}$)	($\mu\text{mol TEq/g DM}$)
Water	berry	Obt (1)	8.2 \pm 0.5	32 \pm 0.2	137 \pm 7.6	166 \pm 12.4
	leaf	Green tea (1)	99.5 \pm 8.6	748 \pm 51.9	1911 \pm 81.6	1348 \pm 45.4
Acetone/Water	berry	Obt (1)	32.7 \pm 5.8	235 \pm 41.9	480 \pm 85.5	379 \pm 67.5
		Obt (2)	32.2 \pm 0.8	241 \pm 12.9	706 \pm 11	170 \pm 1.4
	leaf	Eo (2)	38.7 \pm 4.6	257 \pm 22.5	503 \pm 5.8	453 \pm 4.5
		Green tea (1)	126.2 \pm 2	1185 \pm 33.9	2686 \pm 106.8	2167 \pm 19
Methanol/Water	berry	Obt (1)	30 \pm 2.9	201 \pm 19.6	469 \pm 45.9	362 \pm 35.5
	leaf	Green tea (1)	98.3 \pm 8	1045 \pm 68.7	26775 \pm 142.4	2366 \pm 30.6

Eo: *Euterpe oleracea*; Obt: *Oenocarpus bataua*; DM: Dry Mater; GAEq: Gallic acid equivalent; TEq: Trolox equivalent; Eq: equivalent. (1) data from Leba et al. (2014); (2) data from Rézairé et al. (2014). $n = 3$ repetitions and error represent Standard Error of the Mean (SEM)