

Table S6. Semi-quantitative values of the main polyphenol classes of *Rhinanthus angustifolius* extracted with different methods (i.e., homogenizer, maceration, soxhlet) and different solvents (ethyl acetate, ethanol, methanol, water).

Methods	Solvents	Anthocyanins	Flavones	Flavonols	Lignans	LMW phenolics	Phenolic acids	Stilbenes
Homogenizer (HAE)	EA	4.77 ± 0.13 ^b	23.6 ± 0.65 ^{bc}	8.55 ± 0.54 ^{de}	23.53 ± 2.08 ^{ef}	65.29 ± 4.46 ^c	8.99 ± 1.19 ^{cd}	2.24 ± 0.67 ^{efg}
	EtOH	4.28 ± 0.19 ^{bc}	29.19 ± 1.17 ^a	12.13 ± 0.06 ^c	43.28 ± 1.11 ^b	72.34 ± 2.25 ^b	13.5 ± 2.57 ^{ab}	2.18 ± 0.5 ^{efg}
	MetOH	6.96 ± 0.08 ^a	30.61 ± 4.49 ^a	17.8 ± 0.7 ^a	20.63 ± 0.99 ^{fg}	80.32 ± 2.66 ^a	12.97 ± 1.33 ^{ab}	3.28 ± 0.79 ^{bcd}
	H2O	2.81 ± 0.7 ^d	12.41 ± 1.35 ^e	5.71 ± 0.58 ^{ef}	26.44 ± 1.15 ^e	46.34 ± 3.36 ^{de}	8.69 ± 0.2 ^{cd}	4 ± 0.85 ^{bc}
Maceration (MAC)	EA	3.73 ± 0.05 ^c	18.49 ± 0.1 ^d	4.93 ± 0.15 ^{fg}	49.68 ± 0.65 ^a	60.4 ± 5.99 ^c	9.16 ± 0.99 ^{cd}	1.79 ± 0.33 ^{fg}
	EtOH	4.61 ± 0.29 ^b	27.27 ± 0.83 ^{ab}	13.32 ± 1.78 ^{bc}	29.85 ± 1.45 ^d	61.69 ± 3.58 ^c	13.47 ± 1.46 ^{ab}	2.64 ± 0.5 ^{def}
	MetOH	6.82 ± 0.15 ^a	29.81 ± 0.75 ^a	17.07 ± 1.11 ^a	22.4 ± 1.85 ^f	51.39 ± 1.76 ^d	13.45 ± 2.05 ^{ab}	4.33 ± 0.31 ^b
	H2O	1.35 ± 0.04 ^f	5.36 ± 1.03 ^f	2.23 ± 0.44 ^g	16.55 ± 2.42 ^h	64.02 ± 4.02 ^c	6.57 ± 1.48 ^d	3.32 ± 0.39 ^{bcd}
Soxhlet (SOX)	EA	6.93 ± 0.63 ^a	29.19 ± 4.19 ^a	8.54 ± 0.81 ^{de}	18.51 ± 3.22 ^{gh}	75.22 ± 4.56 ^{ab}	15.92 ± 1.78 ^a	1.41 ± 0.27 ^g
	EtOH	4.96 ± 0.53 ^b	19.12 ± 4.1 ^d	8.96 ± 3.86 ^d	12.5 ± 0.53 ⁱ	45.93 ± 1.79 ^{de}	12.97 ± 2.82 ^{ab}	3.1 ± 0.2 ^{cde}
	MetOH	6.77 ± 0.63 ^a	21.05 ± 2.84 ^{cd}	15.78 ± 4.04 ^{ab}	18.09 ± 1.9 ^{gh}	44.8 ± 1.73 ^e	11.53 ± 0.54 ^{bc}	17.5 ± 1.45 ^a
	H2O	2.04 ± 0.17 ^e	7.79 ± 0.69 ^f	12.5 ± 0.21 ^c	36.87 ± 2.67 ^c	45.44 ± 0.68 ^{de}	9.22 ± 0.84 ^{cd}	3.69 ± 0.29 ^{bcd}

Results are expressed as mean value ± standard deviation (n = 3) and reported as mg equivalents/g dry matter. Different superscript letters in the same column indicate significant differences in the extracts (p < 0.05) using Duncan's post hoc test. EA= ethyl acetate, EtOH= ethanol, MetOH= Methanol, H2O= water, LMW= low molecular weight.

