

Table S1. Analysis of variance (ANOVA) including regression models, R^2 , F test and probability values for the final reduced models generated for antioxidant potential of the extracts obtained from white and black defatted mustard under different pH and temperature conditions.

Non-germinated white mustard						
ABTS ($\mu\text{mol TE g}^{-1}$)						
Source of variation	SS ¹	df ²	MS ³	F calculated	F tabulated	p value
Regression	9312.92	2	4656.46	19.95	4.46	< 0.001
Residue	1867.63	8	233.45			
Total	11180.55	10				
R^2	0.83					
Regression model: $Y = 61.90 + 56.82x_1 + 42.98x_1^2$						
DPPH ($\mu\text{mol TE g}^{-1}$)						
Source of variation	SS	df	MS	F calculated	F tabulated	p value
Regression	733.8973	2	366.95	96.78	4.46	< 0.001
Residue	30.3323	8	3.79			
Total	764.23	10				
R^2	0.96					
Regression model: $Y = 30.76 - 15.80x_1 - 12.30x_1^2$						
Germinated white mustard						
ABTS ($\mu\text{mol TE g}^{-1}$)						
Source of variation	SS	df	MS	F calculated	F tabulated	p value
Regression	12019.91	2	6009.95	27.79	4.46	< 0.001
Residue	1729.90	8	216.24			
Total	13749.81	10				
R^2	0.87					
Regression model: $Y = 74.83 + 64.56 x_1 + 48.82x_1^2$						
DPPH ($\mu\text{mol TE g}^{-1}$)						
Source of variation	SS	df	MS	F calculated	F tabulated	p value
Regression	141.8392	2	70.92	23.65	4.46	< 0.001
Residue	23.9889	8	3.00			
Total	165.83	10				
R^2	0.85					
Regression model: $Y = 37.43 - 6.38 x_1 - 6.24 x_1^2$						
Non-germinated black mustard						
DPPH ($\mu\text{mol TE g}^{-1}$)						
Source of variation	SS	df	MS	F calculated	F tabulated	p value
Regression	689.9486	2	344.97	44.72	4.46	< 0.001
Residue	61.7191	8	7.71			
Total	751.67	10				
R^2	0.91					
Regression model: $Y = 26.68 - 15.24 x_1 - 12.06 x_1^2$						

¹SS means sum of squares; ² df means degrees of freedom; ³MS means mean square.