

Supplementary Figure legends:

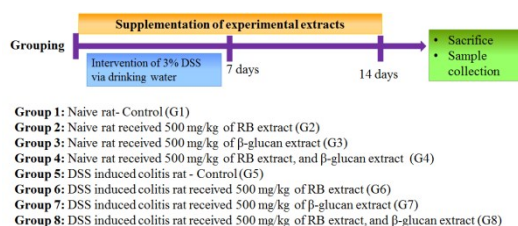


Fig S1. Schematic representation of experimental timeline and grouping.

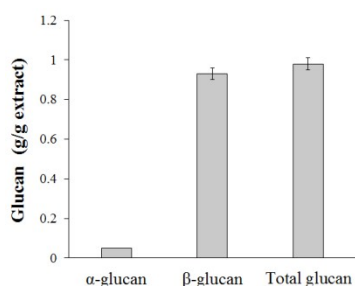


Fig S2. Glucan content of yeast. The extraction made up of 930 ± 30 , and 30 ± 0 mg/g of an extract of β -glucan, and α -glucan, respectively.

Table S1 Selected Histological parameters and scoring criteria

S. No	Criterion	Definition	Score
1	Loss of epithelium	Normal	0
		Mild: <10%	1
		Moderate: 10-50%	2
		Severe: >50%; severe erosion	3
2	Loss of mucosal architecture	Normal	0
		Mild: abnormality	1
		Moderate: diffuse or multifocal abnormalities	2

		Severe: diffuse or multifocal abnormalities	3
3	Infiltration of mononuclear cells in lamina propria	Normal	0
		Mild: <10%	1
		Moderate: 10-50%	2
		Severe: >50%; dense infiltrate	3
4	Infiltration of polymorphonuclear cells in lamina propria	Normal	0
		Mild: <10%	1
		Moderate: 10-50%	2
		Severe: >50%; dense infiltrate	3
5	Infiltration of inflammatory cells in submucosa	Normal	0
		Mild: <10%	1
		Moderate: 10-50%	2
		Severe: >50%; dense infiltrate	3
6	Cryptitis and abscess formation	Normal	0
		Mild: local excess of neutrophils in part of crypt	1
		Moderate: marked attenuation	2
		Severe: unequivocal crypt destruction	3
7	Goblet cell depletion	Normal	0
		Mild: <20%	1
		Moderate: 20-50%	2
		Severe: >50%	3

Note: the criterion was selected from previous study.⁵