

Average Content	Dosage for one sachet	% VNR
Proteases	20 mg	

pH				
Time (min)	Fasted		Fed	
	Ctrl	BAD	Ctrl	BAD

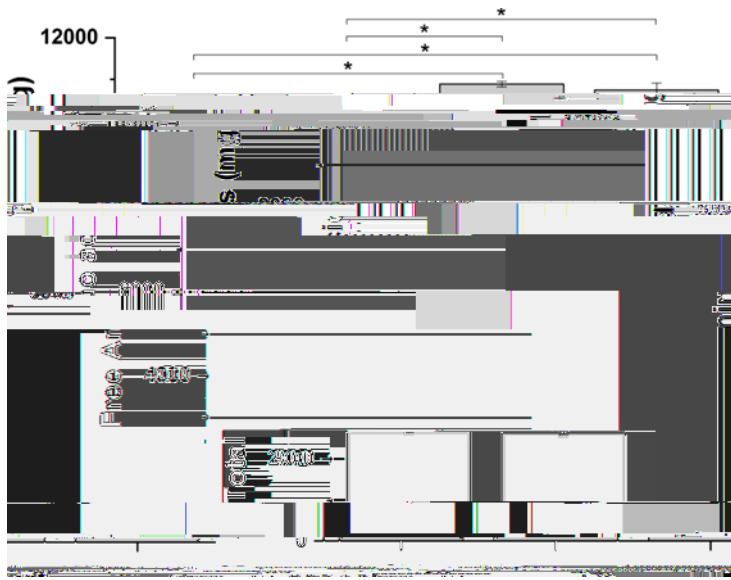


Figure SM1: Prodigestive effect on proteins of BAD proteases in presence of digestive enzymes. To assess the prodigestive activity of BAD towards proteins, a standard food, containing BSA as a protein source, was digested with an *in vitro* digestive process model, in presence of digestive enzymes. The proteolytic activity of BAD supplemented proteases was determined by measuring released free amino acids (mg/kg). Ctrl: control; SF: Standard Food; BAD: Biochetasi Acidità e Digestione. * $p < 0.05$.



Figure SM2: Lactose prodigestive effect on of BAD lactase in absence of digestive enzymes. To assess the prodigestive activity of BAD towards lactose, a standard food, containing lactose as a carbohydrates source, was digested with an *in vitro* digestive process model, in absence of digestive enzymes. The carbohydrate hydrolytic activity of BAD supplemented lactase was determined by measuring the percentage (%) of release glucose compared to the expected one. SF: Standard Food; BAD: Biochetasi Acidità e Digestione. * $p < 0.05$.