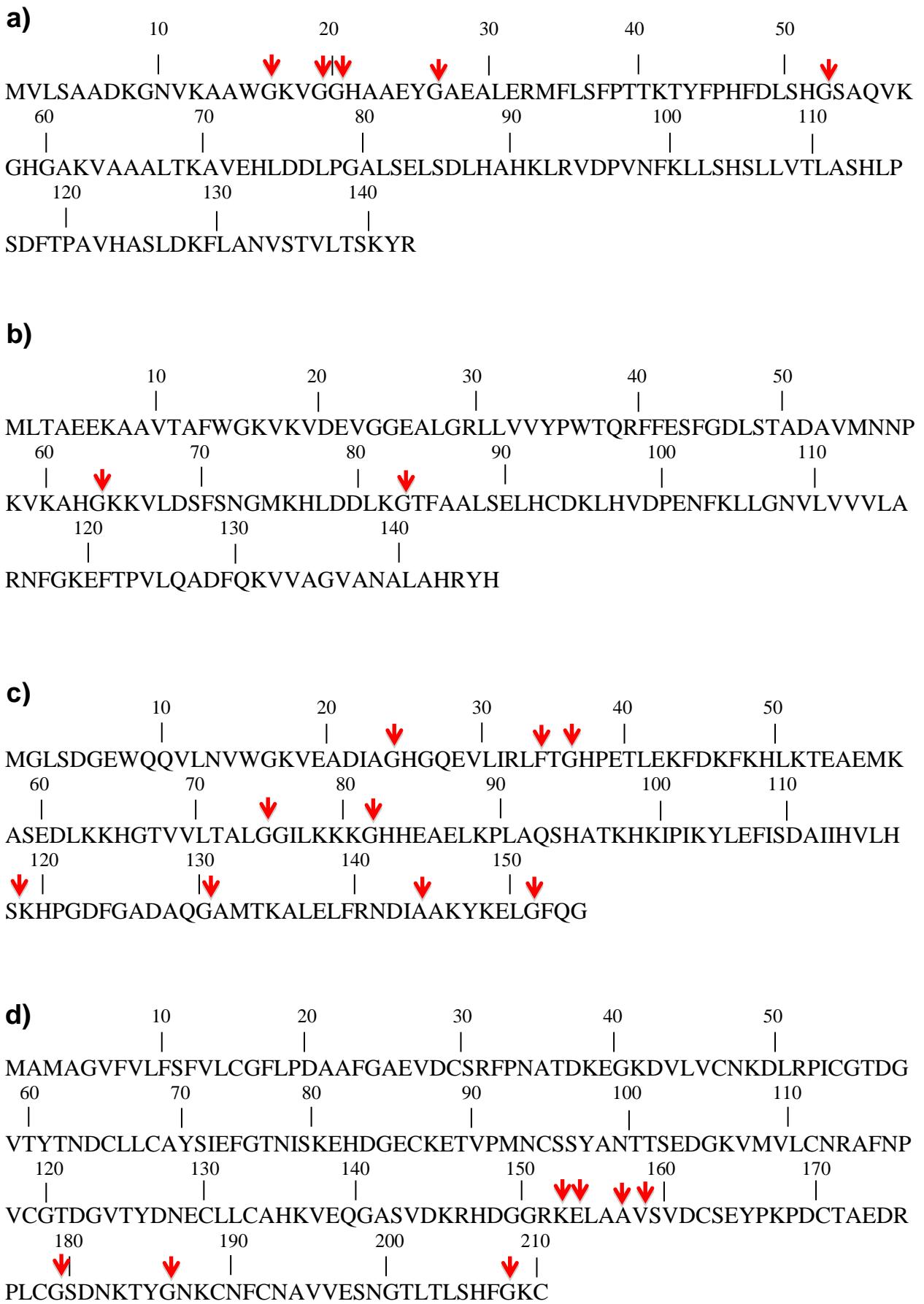


Supplementary Figure S1: Dependence of the bacteriolytic activity of the BlpLc on some factors. a) Temperature; b) ionic strength; c) pH; d) pH stability; e) temperature stability. Values represent means \pm standard deviations of three independent measurements.



e)

10	20	30	40	50	
MGSIGAASMEFCFDVFKELKVHHANENIFYCPIAIMSALAMVYLGAKDSTRTQINKVV					
60	70	80	90	100	110
		↓			
RFDKLPGFGDSIEAQCGTSVN VHSSLRDILNQITKPNDVYSFSLASRLYAEERYPILPEY					
120	130	140	150	160	170
LQCVKELYRGGLEPINFQTAADQARELINSWVESQTNGIIRNVLQPSSVDSQTAMVLVN					
180	190	200	210	220	230
AIVFKGLWEKA KFDEDTQAMPFRVTEQESKPVQ MMYQIGLFRVASMA SEKMKILELPF					
240	250	260	270	280	290
ASGTMSMLVLLPDEVS GLEQLESIINFEKLTEWTSSNV MEERKIKVYLPRMKMEEKYNL					
300	310	320	330	340	350
			↓		
TSVLMAMGITDV FSSSANLSGISSAESLKISQAVHAA HAEINEAGREVVG SAEAGVDAAS					
360	370	380			
VSEEFRADHPFLFCIKHIATNA VLFFGRCVSP					

Supplementary Figure S2: Type of bond hydrolyzed by BlpLc in different substrates. a) Bovine hemoglobin, A-chain; b) bovine hemoglobin, B-chain; c) horse myoglobin; d) ovamucoid; e) ovalbumin. Arrows, bonds hydrolyzed by the BlpLc.