

Disulfide bonds for RNaseA mapped by tandem MS experiments and subsequent database search in MassMatrix under different conditions

C40	69.3						
C58	--	13.1					
C65	--	107.8	10.4				
C72	--	--	--	807.6			
C84	554.9	27.8	--	48.6	--		
C95	89.7	629.3	25.7	56.4	--	286.2	
C110	32.4	51.8	112.7	36.3	--	38.1	11.6
	C26	C40	C58	C65	C72	C84	C95

pH = 8.0 without iodoacetamide

C40	75.8						
C58	23.2	141.9					
C65	--	72.9	149.3				
C72	144.6	--	168	941.8			
C84	302.9	81.1	107.3	19.8	107.8		
C95	19.7	172.8	60.4	10.8	--	515.9	
C110	111.1	254.2	369.5	123.7	--	140.3	251
	C26	C40	C58	C65	C72	C84	C95

pH = 8.0 without iodoacetamide (thermally denatured)

C40	--						
C58	--	18					
C65	--	--	27				
C72	--	24.7	--	222.9			
C84	27	67.7	--	23.5	--		
C95	--	151	20.5	8.7	--	42.3	
C110	--	21	300.2	--	--	--	12.9
	C26	C40	C58	C65	C72	C84	C95

pH = 8.0 with iodoacetamide

C40	--						
C58	--	--					
C65	--	--	--				
C72	--	--	--	79.3			
C84	431.6	--	--	--	--		
C95	--	386.4	--	--	--	121.4	
C110	--	--	129.8	--	--	--	--
	C26	C40	C58	C65	C72	C84	C95

pH = 6.0 without iodoacetamide