

SUPPORTING INFORMATION FOR THE WORLD WIDE WEB EDITION

Table 1: Thermodynamic parameters from Thermal Unfolding of Dimer A₂ Observed by Circular Dichroism and DSC

pH ^a	Concentration (μ M)	T _m ^b	ΔH_m ^c	
			Buffer ^d	30% Glycerol ^e
3.5	300 ^f	359.3	293(vH) 294(cal) 288(fit)	
	300 ^f	364.1		310(vH) 282(cal) 272(fit)
	310	357.4	274	
	100	353.7		305
4.0	25	339.2	249	
	97	346.8	288	
	160	349.2	292	
	260	352.2	291	
4.13	37.5	349.6		292
4.4	3.1	323	231	
	6.3	326.5	228	
	12.5	328.6	226	
	25	332.4	228	
	348	342.6	254	
	262	351.2		308
4.7	12	317.1	216	
	25	321.3	217	
	48	323.6	239	
	96	325.8	239	
	188	330.9	244	
	277	334.9	245	
	336	335.4	234	
	340	334.4	225	
	378	335.6	241	
4.9	25	337.2		265
	96	342		291
	180	346.4		280
	277	348		287
	336	349.2		293
5.0	355	327.1	212	
	37.5	333.4		271
	100	327.5		
5.1	253	318.2	201	
	25	317.6		213
5.4	37.5	317.4		246
	100	324.9		221

^a pH adjusted at 25 °C. For measurements in glycerol reported value is pH = pH_{read} + 0.19.

^b Temperature of the transition midpoint ($f_M = 0.5$). The error in T_m is < 1 °C. ^c Transition enthalpy at T_m. Error of ΔH_m is approximately 10% (see Material and Methods). ^d Data collected in buffer are from (30). ^e w/w. ^f From DSC experiments. T_m corresponds to the maximum of the heat capacity trace ($f_M = 0.57$ -0.59). (vH), (cal) and (fit) indicate van't Hoff enthalpy, calorimetric enthalpy and fitting enthalpy, calculated as described in Experimental Procedures.

Table 2: Thermodynamic parameters from Thermal Unfolding of (A12)₂ Observed by Circular Dichroism and DSC

pH ^a	Concentration (μ M)	T _m ^b	ΔH_m ^c	
			Buffer	30% Glycerol ^d
2.0	120	326.4	211	
	350	331.4	228	
	50	329.9		219
	100	332.6		227
	546	339.6		232
3.0	26	320	205	
	100	325.1	213	
	351	330.4	220	
	29.2	327.9		235
	58	331.2		227
	117	333.7		229.7
	252	337		236
	398	338.7		237
	27	316.8	203	
3.5	52	319.5	206	
	101	323	212	
	202	326.2	217	
	270	327.9	220	
	300 ^e	330.6 ^e	215(vH) 195(cal) 205 (fit)	
	351	329.2	223	
	27	326.6		223
	54	329.4		222
	101	332.1		225
	272	336.4		229
	300 ^e	338 ^e		235(vH) 200 (cal) 218(fit)
	352	337.3		234
	459	338.6		230
4.1	25	321.8		218
	49	324.4		221
	100	327.5		226
4.3	100	313.3	198	
	25	317.6		213
	49	321		221
	100	324.9		221
4.5	25	314.1		221
	49	317.2		216
	100	321.8		227

^a pH adjusted at 25 °C. For measurements in glycerol reported value is pH = pH_{read} + 0.19.

^b Temperature of the transition midpoint ($f_M = 0.5$). The error in T_m is < 1 °C. ^c Transition enthalpy at T_m. Error of ΔH_m is approximately 10% (see Material and Methods). ^d w/w. ^e From DSC experiments. T_m corresponds to the maximum of the heat capacity trace ($f_M = 0.57$ - 0.59). (vH), (cal) and (fit) indicate van't Hoff enthalpy, calorimetric enthalpy and fitting enthalpy, calculated as described in Experimental Procedures.

Table 3: Thermodynamic parameters from Thermal Unfolding of (A19)₂ Observed by Circular Dichroism and DSC

pH ^a	Concentration (μ M)	T _m ^b	ΔH_m ^c	
			Buffer	30% Glycerol ^d
2.0	100	322.5	212	
	250	326.2	214	
	605	329.5	227	
	25	324.9		226
	100	330.2		227
3.0	30	317	210	
	59	320.1	208	
	118	322.9	215	
	238	325.6	220	
	494	328.8	221	
	30	325.9		225
	60	328.1		225
	120	330.9		226
	251	333.6		235
	411	335.7		235
	77	318.4	202	
3.5	100	319.8	204	
	155	321.4	208	
	249	323.0	217	
	300 ^e	326.0 ^e	210(vH) 190(cal) 195 (fit)	
	559	326.5	214	
	11	320.5		214
	18	322		218
	27	324.1		220
	43	326.0		222
	54	326.5		221
	108	329		227
	271	322.8		231
	300 ^e	335 ^e		230(vH) 205 (cal) 216(fit)
	580	335.8		232
4.3	25	315.3		220
	50	318.3		221
	100	321.8		223

^a pH adjusted at 25 °C. For measurements in glycerol reported value is pH = pH_{read} + 0.19.

^b Temperature of the transition midpoint ($f_M = 0.5$). The error in T_m is < 1 °C. ^c Transition enthalpy at T_m. Error of ΔH_m is approximately 10% (see Material and Methods). ^d w/w. ^e From DSC experiments. T_m corresponds to the maximum of the heat capacity trace ($f_M = 0.57$ - 0.59). (vH), (cal) and (fit) indicate van't Hoff enthalpy, calorimetric enthalpy and fitting enthalpy, correspondingly, calculated as described in Experimental Procedures.