Table 1: **Chemical shifts for Sample A and Sample B**

	Sample A								Sample B					
Res.	**^{15}N**	**^{13}CO**	**^{13}Cα**	**^{13}Cβ**	**^{13}Cγ**	**^{13}Cδ**	**^{13}Cε**	**^{13}Cξ**	**^{15}N**	**^{13}CO**	**^{13}Cα**	**^{13}Cβ**	**^{13}Cγ**	**^{13}Cδ**
L38	126.8		53.5	41.9	29.1	24.8			126.9		56.4	42.1	30.1	
Y39	123.1		57.9	38.4	132.5	133.8	118.5	157.3			57.3	38.9		
V40			60.4	36.0	21.3				n.a.	n.a.	n.a.	n.a.	n.a.	
G41			44.3								43.9			
S42	114.1	174.4	55.5	67.5					116.4		54.5	64.2		
H50		175.3	58.4	29.6	130.7	117.8					59.0	29.3		
G51									105.0	171.6				
V52			60.3	36.0	21.3				n.a.	n.a.	n.a.	n.a.	n.a.	
A53	128.5	176.4	49.4	23.3					125.9		51.8	21.0		
T54	109.9	173.6	58.4	71.9	21.3				113.9		58.7	72.0	23.1	
V55	118.6	175.7	60.7	36.0	21.3				120.9	n.a.	n.a.	n.a.	n.a.	
A56	130.1	175.5	50.1	21.4					129.1		49.0	22.0		
E57	121.5		54.5	33.2	36.0	184.5			120.7		54.1	33.0	36.0	183.3
E61	126.6		54.5	33.0	35.8	182.9					55.5	32.7	36.2	
Q62	126.2		54.3	32.9	34.1				126.4		54.0	31.6		
V63	128.9		60.5	35.5	21.3				n.a.	n.a.	n.a.	n.a.	n.a.	
T64	124.8		62.0	69.9	22.7						61.3	69.9	21.7	
N65	125.2		52.3	43.0	177.3				125.0		52.1	42.9	177.2	
V66	125.3								n.a.	n.a.	n.a.	n.a.	n.a.	
G67			47.3						110.5		46.4			
G68	110.0		45.0						103.4		44.1			
A69	125.5		50.2	24.8							50.5	22.7		
V70	118.6		60.3	36.0	21.3				n.a.	n.a.	n.a.	n.a.	n.a.	
V71			59.1	35.3	21.3				n.a.	n.a.	n.a.	n.a.	n.a.	
T72	119.3		55.7	69.2	19.2				111.7		59.3	68.5	19.0	
G73	114.6	170.9	48.4						118.7		47.6			
V74	121.1													
T75	122.7	173.8	60.4	72.0	21.7				123.9		59.7	71.4		
A76	125.4	173.2	51.9	16.8					123.9		49.4	18.2		
V77	116.8		60.5	35.5	21.3				n.a.	n.a.	n.a.	n.a.	n.a.	
A78	125.2	176.9	50.1	25.7					128.8		50.2	20.4		
Q79	108.5	173.7	54.2	30.1	32.3	179.5			116.8		52.3	31.1	33.1	177.7
K80			54.0						n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
T81	124.6	174.5	61.6	69.9	22.2									
V82	124.5		61.7	34.5	21.3				n.a.	n.a.	n.a.	n.a.	n.a.	
E83	122.1		57.5	26.6	37.4	184.3			114.6		56.7	27.6	36.8	183.2
G84	104.4	170.1	43.9						105.2		43.9			
A85	117.8	178.3	51.7	19.4					119.8		51.3	19.0		
G86	112.6		45.1						106.8		45.2			
S87	120.5	173.2	56.4	65.4					107.3	173.0	56.2	67.1		
I88					28.0/								28.2/	
	121.5	175.5	59.2	42.1	18.0	15.0			118.5		60.6	41.8	18.7	14.4
A89	126.0	172.7	51.8	16.4					125.4		51.7	16.4		
A90	120.3		49.6	21.4					127.8		49.5	20.8		
A91	123.0		50.0	21.4							49.4	21.3		
T92	123.9		60.9	70.4	21.4				118.2		60.6	68.4	21.8	
G93	110.9		44.5						113.5		43.9			
F94	116.3		57.0	41.4							57.9	37.7		

V95	117.4							n.a.	n.a.	n.a.	n.a.	n.a.
	Residues assigned sequentially in the C terminus										
A107		50.5	17.8								
I112				27.3/							
		61.1	38.8	17.7	13.2						
D119		54.4	41.2	180.0							
S129		58.3	64.0								
	Type-assignment for residues in the C terminus										
A		52.6	18.8								
D		54.4	41.2	180.0							
E		56.7	30.4	36.4	184.0						
G		45.0									
L		54.0	38.0	29.0	25.0						
M		53.3	32.2			16.8					
P		63.2	32.2	27.5	50.7						
Q		55.7	29.7	33.7	180.2						
V		62.0	32.0	20.8							
Y		57.8	39.0	130.3	117.0	133.0	157.0				

Assignments for form A were obtained from spectra obtained on two samples, one consisting of ≈ 6 mg of U-[^{13}C,^{15}N] labeled AS in a 2.5 mm rotor, and one consisting of ≈ 8 mg of U-[^{13}C,^{15}N\K,V] AS in a 4 mm rotor. Assignments for form B were obtained from one sample consisting of ≈ 8 mg of U-[^{13}C,^{15}N\K,V] AS in a 4 mm rotor. n.a., not available.