4/20/22, 1:05 AM Stride

REM					Se	econdary str	ucture sum	nmary		~~~~
REM										~~~~
CHN	/home/proj/stride/tmp/tmpEbxraLpdb A								~~~~	
REM	•								~~~~	
REM									~~~~	
SEQ	1	SGFI	RKMA	FPSGK	VEGCM\	/QVTCGTTTLNG	LWLDDTVYCP	PRHVICTAEDML	. 50	~~~~
STR		TTTT HHHHHH EEEEEETTEEEEEEEETTEEEEEGGGG HHHHH								~~~~
REM										
REM				•		•	•			~~~~
SEQ	51	NPN	YEDL	LIRKS	NHSFL\	/QAGNVQLRVIG	HSMQNCLLRL	KVDTSNPKTPK.	100	~~~~
STR		ŀ		~~~~						
REM										~~~~
REM				•		•				~~~~
SEQ	101	YKF	VRIQ	PGQTF	SVLAC	YNGSPSGVYQCA	MRPNHTIKGS	FLNGSCGSVGF	150	~~~~
STR			Т	TTEEE	EEEEEE	ETTEEEEEEEE	ETTTT B	TTTTTTEE		~~~~
REM										~~~~
REM										~~~~
REM										~~~~
LOC	Alpha	aHel:	ix	SER	10	A GLY	15 A			~~~~
LOC	Alpha	aHel:	ix	ALA	46	A LEU	50 A			~~~~
LOC	Alpha	aHel:	ix	TYR	54	A ARG	60 A			~~~~
LOC	310H	elix		ARG	40	A ILE	43 A			~~~~
LOC	310H	elix		ASN	63	A SER	65 A			~~~~
LOC	Stra	nd		MET	17	A CYS	22 A			~~~~
LOC	Stra	nd		THR	25	A LEU	32 A			~~~~
LOC	Stra	nd		THR	35	A PRO	39 A			~~~~
LOC	Stra	nd		LEU	67	A ALA	70 A			~~~~
LOC	Stra	nd		VAL	73	A LEU	75 A			~~~~
LOC	Stra	nd		VAL	77	A GLN	83 A			~~~~
LOC	Stra	nd		LEU	86	A VAL	91 A			~~~~
LOC	Stra	nd		GLN	110	A TYR	118 A			~~~~
LOC	Stra	nd		SER	121	A MET	130 A			~~~~
LOC	Stra	nd		VAL	148	A GLY	149 A			~~~~
LOC	Turn	VIII		SER	1	A ARG	4 A			~~~~
LOC	Turn			CYS	22	A THR	25 A			~~~~
LOC	Turn	II'		LEU	32	A THR	35 A			~~~~
LOC	Turn	ΙV		GLN	69	A ASN	72 A			~~~~
LOC	Turn	II'		ALA	70	A VAL	73 A			~~~~
LOC	Turn	II'		GLN	83	A LEU	86 A			~~~~
LOC	Turn			ASN	95		98 A			~~~~
LOC	Turn			GLN	107		110 A			~~~~
LOC	Turn			CYS	117		120 A			~~~~
LOC	Turn			TYR	118		121 A			~~~~
LOC	Turn			ARG	131		134 A			~~~~
LOC	Turn			LEU	141		144 A			~~~~
LOC	Turn			SER	144		147 A			~~~~
REM										~~~~
REM				D	etaile	ed secondary	structure	e assignment		~~~~
REM						,				~~~~
REM	1	Resi	due-		9	Structure	-Phi-	-Psi-	-Area-	~~~~
ASG	SER		1	'n	† ·	Turn			109.8	~~~~
ASG	GLY		2	2	T	Turn			91.7	~~~~
ASG	PHE		3	3	T	Turn			188.2	~~~~
ASG	ARG		4	4	Ť	Turn			191.0	~~~~
ASG	LYS		5	5	Ċ	Coil			170.8	~~~~
ASG	MET		6	6	Č	Coil			153.1	~~~~
ASG	ALA		7	7	Č	Coil			30.3	~~~~
ASG	PHE		8	8	Č	Coil			125.1	~~~~
ASG	PRO A		9	9	C	Coil			118.6	~~~~
ASG	SER		10	10	Н	AlphaHelix			19.8	~~~~
ASG	GLY		11	11	Н	AlphaHelix			47.8	~~~~
ASG	LYS		12	12	H	AlphaHelix			159.4	~~~~
ASG	VAL		13	13	H	AlphaHelix			20.3	~~~~
ASG	GLU		14	14	H	AlphaHelix			86.0	~~~~
ASG	GLY		15	15	H	AlphaHelix			22.7	~~~~
ASG	CYS		16	16	C	Coil			3.0	~~~~
ASG	MET		17	17	E	Strand			12.3	~~~~
ASG	VAL		18	18	E	Strand			0.8	~~~~
ASG	GLN		19	19	E	Strand			34.1	~~~~
.150	S = 14 /				_	Jei and		150.01	J • ±	

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4/20/22,	1:05 AIVI						Stride		
ASG	VAL A	20	20	E	Strand	-125.60	127.49	0.0	~~~~
ASG	THR A	21	21	E	Strand	-123.98	145.70	25.1	~~~
ASG	CYS A	22	22	E	Strand	-149.99	97.50	7.2	~~~
ASG	GLY A	23	23	T T	Turn	75.22	-133.71	70.0	~~~
ASG ASG	THR A THR A	24 25	24 25	E	Turn Strand	-80.97 -92.80	-8.44 125.22	150.1 37.4	~~~~
ASG	THR A	26	26	E	Strand	-132.11	130.84	38.5	~~~~
ASG	LEU A	27	27	E	Strand	-132.11	-178.11	2.6	~~~~
ASG	ASN A	28	28	E	Strand	-87.11	148.00	0.0	~~~~
ASG	GLY A	29	29	Ē	Strand	-132.42	158.90	0.0	~~~~
ASG	LEU A	30	30	Ē	Strand	-114.57	116.16	27.4	~~~
ASG	TRP A	31	31	Е	Strand	-101.53	109.24	20.8	~~~~
ASG	LEU A	32	32	Е	Strand	-124.86	123.68	7.1	~~~
ASG	ASP A	33	33	Т	Turn	57.67	-128.67	67.9	~~~~
ASG	ASP A	34	34	Т	Turn	-106.96	32.98	65.5	~~~~
ASG	THR A	35	35	Ε	Strand	-132.36	136.75	5.6	~~~~
ASG	VAL A	36	36	Ε	Strand	-116.13	122.15	0.0	~~~~
ASG	TYR A	37	37	Е	Strand	-103.50	138.77	23.5	~~~
ASG	CYS A	38	38	E	Strand	-158.15	162.74	3.1	~~~~
ASG	PRO A	39	39	E	Strand	-59.39	136.76	24.1	~~~
ASG	ARG A	40	40	G	310Helix	-68.53	-17.27	47.7	~~~~
ASG	HIS A	41	41	G	310Helix	-69.70	-0.49	61.7	~~~~
ASG	VAL A	42	42	G	310Helix	-65.49	-22.40	0.0	~~~~
ASG ASG	ILE A CYS A	43 44	43 44	G C	310Helix Coil	-85.59 -97.82	-2.95 146.40	5.5 4.9	~~~~
ASG	THR A	45	45	C	Coil	-97.82 -94.56	165.80	71.3	~~~~
ASG	ALA A	46	46	Н	AlphaHelix	-52.03	-34.54	95.4	~~~~
ASG	GLU A	47	47	н	AlphaHelix	-76.97	-40.93	172.7	~~~
ASG	ASP A	48	48	H	AlphaHelix	-56.19	-34.39	48.2	~~~~
ASG	MET A	49	49	Н	AlphaHelix	-60.25	-29.59	69.8	~~~
ASG	LEU A	50	50	Н	AlphaHelix	-57.38	-42.81	150.1	~~~~
ASG	ASN A	51	51	С	Coil	-158.91	82.16	143.8	~~~
ASG	PRO A	52	52	С	Coil	-83.92	145.30	38.8	~~~~
ASG	ASN A	53	53	С	Coil	-118.03	82.97	88.3	~~~
ASG	TYR A	54	54	Н	AlphaHelix	-51.78	-47.45	30.0	~~~~
ASG	GLU A	55	55	Н	AlphaHelix	-55.27	-41.07	106.1	~~~~
ASG	ASP A	56	56	Н	AlphaHelix	-74.64	-39.13	100.2	~~~~
ASG	LEU A	57	57	Н	AlphaHelix	-67.69	-35.40	30.4	~~~
ASG	LEU A	58	58	Н	AlphaHelix	-69.82	-38.22	17.3	~~~~
ASG	ILE A	59	59	Н	AlphaHelix	-53.22	-37.93	136.6	~~~
ASG ASG	ARG A LYS A	60 61	60 61	H C	AlphaHelix Coil	-73.47 -100.59	-4.57 162.43	81.0 58.6	~~~~
ASG	SER A	62	62	C	Coil	-140.04	166.91	49.8	~~~~
ASG	ASN A	63	63	G	310Helix	-52.49	-43.61	54.1	~~~~
ASG	HIS A	64	64	G	310Helix	-68.45	-3.09	164.3	~~~~
ASG	SER A	65	65	G	310Helix	-83.64	-12.88	35.2	~~~~
ASG	PHE A	66	66	Č	Coil	-109.76	125.90	8.3	~~~
ASG	LEU A	67	67	Е	Strand	-108.63	103.79	72.9	~~~~
ASG	VAL A	68	68	Е	Strand	-102.20	124.42	0.2	~~~~
ASG	GLN A	69	69	Е	Strand	-127.78	121.72	52.4	~~~~
ASG	ALA A	70	70	Ε	Strand	-105.45	98.67	19.3	~~~~
ASG	GLY A	71	71	T	Turn	76.37	-110.38	61.9	~~~~
ASG	ASN A	72	72	Т	Turn	-111.47	-7.39	156.4	~~~~
ASG	VAL A	73	73	E	Strand	-95.54	127.00	91.4	~~~
ASG	GLN A	74	74	E	Strand	-82.66	135.96	130.8	~~~~
ASG	LEU A	75 76	75 76	E	Strand	-103.23	150.98	15.4	~~~~
ASG	ARG A	76	76	C	Coil	-97 . 85	116.27	45.1	~~~
ASG	VAL A	77 70	77 70	E	Strand	-82.10	121.12	17.5	~~~~
ASG ASG	ILE A GLY A	78 79	78 79	E E	Strand Strand	-110.07 172.56	17.80 149.48	98.1 17.5	~~~~
ASG	HIS A	80	80	E	Strand	-145.03	136.63	57.4	~~~~
ASG	SER A	81	81	Ē	Strand	-149.47	161.93	56.3	~~~
ASG	MET A	82	82	Ē	Strand	-106.62	134.81	55.4	~~~~
ASG	GLN A	83	83	Ē	Strand	-127.80	94.16	67.6	~~~~
ASG	ASN A	84	84	T	Turn	56.33	-125.01	143.6	~~~~
ASG	CYS A	85	85	Т	Turn	-90.68	11.45	83.0	~~~~
ASG	LEU A	86	86	Ε	Strand	-109.49	151.90	65.5	~~~~
ASG	LEU A	87	87	Е	Strand	-102.71	126.56	1.0	~~~~
ASG	ARG A	88	88	Ε	Strand	-105.21	110.04	60.0	~~~~

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	ASG	LEU A	89	89	Е	Strand	-103.64	117.22	0.0	~~~
	ASG	LYS A	90	90	Е	Strand	-82.61	128.77	73.2	~~~~
	ASG	VAL A	91	91	Е	Strand	-115.86	159.65	1.2	~~~
	ASG	ASP A	92	92	С	Coil	-80.48	-4.92	92.1	~~~
	ASG	THR A	93	93	С	Coil	-125.19	133.62	60.7	~~~~
	ASG	SER A	94	94	С	Coil	-86.88	135.00	67.7	~~~~
	ASG	ASN A	95	95	Т	Turn	-66.16	113.31	8.3	~~~~
	ASG	PRO A	96	96	T	Turn	-67.53	-13.15	114.9	~~~~
	ASG	LYS A	97	97	T	Turn	-104.37	13.14	149.9	~~~~
	ASG	THR A	98	98	T	Turn	-58.69	121.82	34.3	~~~
	ASG	PRO A	99	99	C	Coil	-87.71	177.68	30.5	~~~
	ASG	LYS A	100	100	C	Coil	-73.59	135.57	194.6	~~~
	ASG	TYR A	101	101	C	Coil	-154.71	167.37	90.1	~~~
	ASG	LYS A	102	102	C	Coil	-144.06	157.18	176.2	~~~
	ASG	PHE A	103	103	C	Coil	-107.57	124.53	122.2	~~~
	ASG	VAL A	104	104	C	Coil	-131.02	143.85	123.3	~~~
	ASG	ARG A	105	105	C	Coil	-103.66	117.09	234.2	~~~
	ASG ASG	ILE A	106 107	106	C T	Coil	-84.67 -100.92	166.23	55.7 134.2	~~~
	ASG	GLN A PRO A	107	107	T	Turn		159.50	67.4	~~~~
	ASG	GLY A	100	108 109	T	Turn Turn	-56.74 93.56	140.84 -19.53	48.3	~~~
	ASG	GLY A	110	110	Ë	Strand	-76.11	154.70	81.2	~~~
	ASG	THR A	111	111	E	Strand	-108.98	164.60	87.8	~~~~
	ASG	PHE A	112	112	E	Strand	-167.18	163.20	30.1	~~~~
	ASG	SER A	113	113	E	Strand	-97 . 97	146.50	0.0	~~~~
	ASG	VAL A	114	114	E	Strand	-120.67	127.71	9.4	~~~~
	ASG	LEU A	115	115	Ē	Strand	-95.39	95.44	2.8	~~~~
	ASG	ALA A	116	116	Ē	Strand	-72.02	125.83	1.6	~~~~
	ASG	CYS A	117	117	Ē	Strand	-127.77	155.39	0.0	~~~~
	ASG	TYR A	118	118	Е	Strand	-135.70	124.91	47.9	~~~~
	ASG	ASN A	119	119	Т	Turn	56.35	32.54	92.8	~~~~
	ASG	GLY A	120	120	Т	Turn	92.49	-2.33	12.4	~~~~
	ASG	SER A	121	121	Е	Strand	-122.63	136.18	71.5	~~~~
	ASG	PRO A	122	122	Ε	Strand	-57.25	133.58	54.5	~~~~
	ASG	SER A	123	123	Ε	Strand	-108.11	-48.70	84.5	~~~
	ASG	GLY A	124	124	Ε	Strand	-165.80	172.38	25.9	~~~
	ASG	VAL A	125	125	Е	Strand	-121.41	131.37	60.9	~~~~
	ASG	TYR A	126	126	Е	Strand	-123.98	148.08	130.7	~~~~
	ASG	GLN A	127	127	Е	Strand	-104.92	132.16	40.9	~~~~
	ASG	CYS A	128	128	Е	Strand	-149.43	-177.06	23.9	~~~
	ASG	ALA A	129	129	Е	Strand	-133.56	153.35	27.4	~~~
	ASG	MET A	130	130	Е	Strand	-81.39	115.36	28.6	~~~
	ASG	ARG A	131	131	T	Turn	-64.58	158.19	97.6	~~~
	ASG	PRO A	132	132	T	Turn	-59.97	-28.93	88.5	~~~
	ASG	ASN A	133	133	T	Turn	-88.15	19.32	104.9	~~~
	ASG	HIS A	134	134	T	Turn	67.39	20.78	133.7	~~~
	ASG	THR A	135	135	С	Coil	-112.69	174.51	68.2	~~~
	ASG	ILE A	136	136	В	Bridge	-125.25	136.87	67.6	~~~
	ASG	LYS A	137	137	C	Coil	-94.70	141.63	153.1	~~~
	ASG	GLY A	138	138	C	Coil	155.94	-149.95	61.9	~~~
	ASG	SER A	139 140	139	C	Coil	-150.13	109.45	108.1	~~~
	ASG	PHE A		140	C T	Coil	-110.48	136.19	107.1	~~~
	ASG ASG	LEU A ASN A	141 142	141 142	T	Turn Turn	-94.95 -59.75	168.97 117.64	118.0 162.4	~~~~
	ASG	GLY A	142	142	T T	Turn	106.67	-2.04	14.5	~~~~
	ASG	SER A	143	144	T	Turn	-82.06	-15.64	7.2	~~~
	ASG	CYS A	144	144	T	Turn	-62.06 -54.64	144.97	53.3	~~~
	ASG	GLY A	146	146	T T	Turn	98.38	-18.52	16.9	~~~
	ASG	SER A	147	147	Ť	Turn	-64.46	148.70	23.9	~~~~
	ASG	VAL A	148	148	Ė	Strand	-114.56	157.71	36.2	~~~~
	ASG	GLY A	149	149	E	Strand	-108.29	146.66	40.3	~~~~
	ASG	PHE A	150	150	C	Coil	-158.18	360.00	72.3	~~~~
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