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Table S1. List of eight-residue chameleons found

Helix			Sheet			Number	Sequence
PDBid	Chain	Residue	PDBid	Chain	Residue		
	C	82	3PVI	B	108	11	AIEAIYRL
	A	30	2LMQ	G	30	7	AIIGLMVG
	A	12	2KDM	A	12	5	AKEEAIKE
	A	62	1E9S	M	383	4	ALERVREER
	B	137	4IQJ	D	1172	8	ALFALREV
	A	402	3C3I	D	108	4	AQLILEQI
	B	11	2G39	B	128	2	AVIEAAAI
	A	162	4LRZ	H	284	4	AVITLKPI
	D	196	3MTR	B	187	10	AVRLAALN
	B	260	2Z14	A	20	5	AYLEEEVL
	H	132	5XHH	B	103	4	DLIVAVVS
	N	206	4MYW	B	177	7	EAEYQEIR
	A	27	6FLQ	F	222	5	EIKAAARD
	A	179	2W3X	D	92	12	ELGFDYLR
	A	32	3E0G	A	132	18	ELVKLVTH
	B	221	4YXD	A	220	27	FALDLLME
	B	299	5BU3	C	116	4	FHQSVSEL
	A	248	5B2Q	A	1466	4	FIYQILND
	B	43	5JBA	S	198	3	FLTGVISW
	B	278	3T8E	A	167	5	GAAALVLS
	A	29	2LMP	K	29	8	GAIIGLMV
	F	405	5C9A	B	189	27	GALLVAVL
	A	23	5J0C	B	105	3	GIINFEQK
	A	11	2R5M	A	54	5	IATVVGVL
	B	61	4H1Z	E	31	3	IESFTLTL
	A	32	3N4Q	B	204	3	IKASQELV
	A	87	6EXV	G	5	14	ISLEHEIL
	A	102	6CQB	B	240	5	IVSAAQTI
	G	155	4R7G	A	337	8	KAGLIGFS
	a	69	3J61	Z	69	3	KCFLKLVN
	A	28	5OQV	F	28	5	KGAIIGLM
	A	49	4Z3T	B	124	2	KIDSLINQ
	A	722	4SLI	A	579	7	KPAIILSS
	a	69	6EM5	Z	69	34	KPFIKVVN
	C	186	3J39	Z	69	2	KPFLKSLN
	G	32	5U0S	T	109	111	KVAIANVL
	B	12	3UOE	A	129	3	LAIAAIRN
	A	545	6G4T	A	145	12	LAVVGVFL

	A	453	2LEQ	A	5	3	LIAQVKTV
	A	297	1ZBT	A	173	4	LKEVVAMV
	A	205	4KF5	C	154	3	LKGEINQR
	k	8	1S1O	A	5	7	LLLLLLLLL
	F	407	2NN3	D	129	3	LLVAVLTA
	A	41	5IYD	O	76	3	LNDVEFRE
	A	429	2LE1	A	61	4	LVERLVER
	6	80	5XJL	E	56	15	LVLDDAEE
	A	171	5LY6	B	158	7	MEQLKVKF
	A	255	2HGS	A	442	2	NKHVGHLL
	m	38	1VUX	l	38	2	PMFSALSE
	A	289	4FJC	E	348	3	QDAIKQLG
	F	564	5YBO	A	243	6	RALALAI I
	B	49	2LNJ	A	96	2	RQAELINA
	B	245	2DW7	B	147	5	RVFVYAAG
	A	18	4PT2	A	260	2	RVLEALLL
	A	345	1JTI	A	344	3	SAEAGVDA
	B	253	2J7O	A	110	8	SAVVLSAV
	A	17	2GEF	B	45	5	SELYIAVR
	C	240	5CXO	A	78	25	SVAVALAA
	B	25	2A6X	B	124	7	SVTAF LND
	B	77	5HD2	A	249	3	SVVSQVSA
	B	29	6F74	D	312	2	TAHRLAIA
	A	39	5EQX	A	412	3	TITAEVLA
	s	13	3VU1	A	423	2	TKLKEGIK
	A	481	3KLW	B	3	10	TLELSARV
	a	110	1VUH	1	110	4	TLQEIQIGW
	D	321	1KDG	A	369	2	TRYAQGTV
	A	441	2MAM	A	28	5	TVKRLVKV
	A	252	1PTO	F	10	10	TVQELALK
	E	496	5KUM	A	189	11	VEAHVRAQ
	B	118	3CMB	C	268	2	VEGRAILR
	M	276	3WJR	A	144	13	VITAGIGI
	A	37	5U9M	C	29	153	VKVGSIK
	A	30	1P3R	B	17	3	VKYKAKLI
	A	155	1QIU	B	114	3	VLATVAAL
	B	19	2FUN	C	276	7	VLYVKLHN
	B	239	5NIF	P	132	254	VSLLIAGH
	F	789	4WWT	U	91	93	YTELLIKE
	A	277	2KRT	A	99	8	YYKLLEVS

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Table S2. List of seven-residue chameleons found

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Helix			Sheet			Number	Sequence
PDBid	Chain	Residue	PDBid	Chain	Residue		
3WY7	B	349	2YFO	A	178	3	AAAACLD
4HIA	B	164	5CIO	A	48	6	AAAALVR
5HSX	B	316	5KEI	A	484	3	AAAVAL
2G38	A	67	1ZXI	F	196	11	AAAAVVL
4Q5T	A	226	5XD6	B	48	2	AAAIKKL
2IW3	A	193	1MTP	A	313	5	AAATAAM
1JXB	A	51	3HSJ	A	55	6	AAVALE
1KHV	A	201	4YAS	A	98	8	AAAVFHN
4N4J	A	340	6COO	D	220	14	AAAVIVG
1BUE	A	51	4BON	B	248	3	AAAVLKG
5HA4	A	228	3F02	B	348	2	AAAVSGM
2ET6	A	53	2VZ8	B	1077	2	AADVVD
1UP8	A	22	5F56	A	509	3	AAELALN
4CVH	A	232	3I90	A	4	3	AAESI IK
1AHA	A	147	1Z0A	C	83	83	AAGALLV
3J9T	X	103	5AJ3	E	253	10	AAGFAIG
2RD0	A	920	3IWD	A	14	50	AAIDLFT
1UM9	B	61	1XN1	I	71	5	AAIVGAA
3TSN	D	356	6D6S	B	241	5	AAKFAIN
4MM0	B	350	2V1O	F	48	2	AALARVE
4N0P	B	35	3K8A	A	13	2	AALIEKA
2JJX	B	208	4U48	A	345	2	AALLLAR
4EX8	A	307	5H1A	C	235	3	AALSAVQ
3QE7	A	234	4B45	A	265	3	AALVVIA
2YIU	A	206	5Y60	N	177	4	AALVVVH
5GJ2	A	122	5X22	D	319	22	AAQVEAE
1HKU	A	328	4MJS	L	18	11	AAREIRR
2VQJ	A	126	5JD4	F	173	10	AARLAVG
1PW4	A	398	5NZC	A	22	3	AASAIVG
6CFW	M	241	1GYC	A	5	2	AASLVVA
4ES6	A	94	4KDS	A	341	2	AATAAIL
2PZI	A	508	5NO7	B	60	2	AATAELA
3T37	A	507	5WX3	D	22	3	AAVLAIA
1LEH	B	207	5HY7	A	883	2	AAVSAAV
3W8W	B	63	1RH1	A	121	17	AAVSFAR
3MOS	A	130	1V26	B	178	9	ACGMAYT
6B73	B	164	5B0S	B	164	5	ADALVTT

1QWL	B	438	1T0B	H	127	5	ADEKERL
3U5E	G	223	5O5L	I	69	8	ADKYDEV
1A06	A	258	4KRA	A	288	131	ADLAKYI
3UON	A	68	5HSP	A	55	8	ADLIIGV
2MGY	A	110	1EI5	A	437	3	ADLLLVS
1SJ2	A	544	3L2P	A	436	6	ADLVVLG
5UEN	A	55	5E6U	A	572	3	ADVAVGA
3FDH	A	26	4UZS	A	557	3	ADVITST
4PM9	A	248	3RQA	C	143	4	ADVLASA
3JRR	B	87	5UE1	B	44	2	ADVLLQ
4ABK	A	139	3EQO	B	286	4	AEAIIDA
2H7O	A	169	4ZBT	D	161	4	AEAKITL
2EJW	B	167	3HFZ	B	389	3	AEALLEA
3PDK	B	146	5U9O	C	98	3	AEIEALL
4UVK	A	227	1KQM	A	46	3	AEIQSSK
1VW1	D	2080	2LWY	A	40	4	AEKTVLE
5K1S	C	312	5DA8	Y	213	2	AELDEAL
5DJS	B	506	1IOK	E	213	2	AELEDAY
1IU3	F	106	4B54	A	157	6	AELIEKV
2O18	B	40	5YLY	A	36	7	AELKEKI
1H8B	A	9	4GQ2	P	155	7	AEQVIAS
2PFF	G	1298	2H1T	B	31	5	AESQLRA
3TIG	A	18	1I8D	A	107	4	AEVAKIL
6CON	F	5	3UPY	A	352	3	AEVCAVA
5KQW	C	458	3UI2	A	187	6	AEVDEIV
3CRM	A	234	5YJ8	A	27	4	AEVEALH
5VYV	A	131	3W3S	A	7	2	AEVELTL
6ERC	A	491	3ROH	A	57	2	AEVIKRT
4CIU	A	395	3SY8	A	174	4	AEVLARW
2G9N	B	125	2NWA	D	55	3	AEVQKLQ
3N6R	J	257	4DI7	A	127	3	AEVRLV
5N69	B	136	2K5V	A	18	3	AEVVAAY
5BY7	B	264	2JDJ	B	87	2	AEVVEEL
2ZC7	A	8	2GV9	A	208	2	AEVVERT
5A1S	A	32	2OQT	B	80	6	AFALITL
1GXS	B	142	5OOM	6	269	6	AFLLFKQ
4L6V	L	28	4WYK	A	418	5	AFTRTFI
3LXU	X	469	5KP6	A	194	3	AGAVALL
2R3B	A	256	2BQ1	E	254	5	AGAVYLH
2DHH	A	22	2OZG	A	60	37	AGGLAIL
2PCE	D	64	1C1D	A	38	4	AGGTRAA
1BDG	A	380	1ZXO	F	108	2	AGIACIL

3PL9	A	124	2YNK	A	371	2	AGKVELI
3IP5	A	128	5AWU	A	275	10	AGKYLAD
4D8J	D	105	2P0L	A	163	2	AGLAQRR
5VAN	A	645	2FHQ	A	70	3	AGLCFQE
4JED	A	186	2G6G	A	115	2	AGTVTGY
1JEB	B	135	1SB3	E	236	3	AGVAAAL
1BQB	A	66	6EHF	A	32	4	AGVDANY
4N4J	A	328	1RB8	G	83	7	AGVNLSF
4DML	B	240	2E4H	A	23	5	AGVVRFL
1ZTB	A	350	3SLK	A	273	8	AGVVVET
5V4S	C	252	5HD2	A	256	3	AGVYATV
2G7S	A	126	3S6P	C	512	2	AHFRSLS
3CTY	B	168	5LZJ	B	95	32	AIAAISM
1J22	A	100	3C8L	B	111	5	AIAAVTV
5C76	B	494	2G0B	G	172	4	AIARALY
3WJ7	B	331	4GRW	G	33	2	AIAWFRQ
4KYS	A	249	1PM3	A	54	2	AIESLVL
4KIE	A	153	3D54	E	130	9	AIFDSLH
4WD2	A	399	4D61	i	416	4	AIGKVLK
1VPX	B	127	2IJD	2	55	4	AILAACA
3LUB	F	97	3BGH	A	107	2	AILEDIV
3EAU	A	302	2NQO	D	166	2	AIQVLPK
4JW1	B	390	3S6P	C	247	2	AITCEAN
3D9S	B	72	1KUK	A	52	7	AITLALL
3RRP	A	349	3HRV	A	102	2	AITVGGL
5Z06	A	332	2YZE	F	145	7	AIVAGIE
4LG1	A	41	5JPQ	W	224	8	AIVLSKY
3TF4	B	234	4V3H	B	299	7	AKAEY EY
3FTP	B	180	4FSO	A	102	2	AKAGVAG
3J7Y	d	141	2WBK	A	785	15	AKDIFIE
3OJA	A	361	4ZBT	D	163	3	AKITLEQ
3S1B	A	25	5EPG	A	622	4	AKIVSID
3NX3	A	84	6B8B	A	5	8	AKNLAKA
3J38	R	13	3VF1	A	102	2	AKVIEEK
1V8G	A	284	3FIP	B	241	4	ALAAGAG
1HX9	A	167	5YBL	D	244	28	ALAFSTI
1VQR	B	240	4JOM	A	39	2	ALAITDH
3EF6	A	374	4ZPY	A	27	9	ALATRLV
6EZM	R	195	5A0V	A	156	3	ALAVAIR
2RBC	A	171	3FCM	B	110	2	ALDVLTV
4FHM	B	918	4NS0	A	8	8	ALEFSLI
3VKG	B	2039	6DLL	C	263	4	ALEKSIA

4ZO4	A	47	4NV1	H	236	2	ALELEKI
2HCF	A	156	3J7X	G	307	5	ALERARR
3H87	A	94	1AYO	A	5	2	ALEVQTL
2QK2	A	154	5MH3	J	27	8	ALFIARA
5MGX	E	218	1IGO	A	46	2	ALFRK GK
2UV4	A	43	4MQ0	A	141	35	ALGIFVQ
3IUP	B	160	5HPN	E	26	13	ALGMVET
4DJI	B	352	5TCY	A	168	16	ALIILTN
2VZ8	B	340	6F44	B	894	12	ALIKVLL
3BEY	F	79	6EGU	C	29	3	ALIRAGS
5FSH	B	35	5IV4	A	100	31	ALLALWR
1PEA	A	31	4EUV	A	119	9	ALLAVEQ
2UXI	A	61	5XMG	A	289	3	ALLDSLH
1VRQ	C	96	5IEG	A	30	14	ALLDTLQ
3Q10	C	227	5U9O	C	102	4	ALLEEAA
3KCU	E	125	2COJ	B	181	7	ALLFVLL
4KT0	A	357	4G7X	B	87	4	ALLGSLT
1UHL	B	152	1D9K	E	43	11	ALLIAIS
4Q65	A	30	4P42	B	348	4	ALLILYL
4H3T	A	55	2ISM	A	289	2	ALLRLVL
4P0P	A	168	2PLM	A	132	7	ALLTRGL
5X5Y	F	106	4GMP	O	190	10	ALLVAIL
1J2W	D	167	2HZG	A	28	3	ALLVVA
6B85	A	54	3CU3	A	93	2	ALMLVVI
1GT8	D	774	2YWC	D	449	6	ALRAVTT
1ZA0	A	113	6GEB	L	323	2	ALREYLV
4K1P	G	249	4GHB	B	157	2	ALRIQQK
1GW5	B	302	5TV4	A	381	9	ALRNINL
3A06	A	304	3SYB	A	272	3	ALRTAFN
3JB9	S	111	3S61	B	164	3	ALRVISR
1DXR	L	226	4OK4	A	387	25	ALSIHRL
3K0I	A	552	3UAZ	A	196	11	ALSVLTV
3OA8	A	254	3HUL	A	24	3	ALTLYLT
2A8N	A	11	5VZJ	F	60	8	ALVEARS
1WOQ	A	59	5K3J	A	198	2	ALVVAEL
4FO9	A	243	2OR9	H	78	3	ALYLQMN
5OLN	B	43	5E5U	A	143	6	AMAIFFQ
2IQT	A	281	4FOY	A	76	4	AMLEASI
4QND	A	88	2QW7	J	76	2	AMVVGII
3N8T	A	162	5O79	A	126	6	ANGVATY
5HSX	A	164	2PHH	A	266	34	APLRSFV
3SJR	D	56	4C8I	A	171	5	AQAALL

3JD5	P	115	1EXS	A	67	2	AQEVLLA
3D0O	B	209	4WJB	D	330	4	AQIEQIF
4OGD	A	164	3KF6	A	120	5	AQSFEEL
3L8R	C	73	2DH3	B	67	2	AQTDLLQ
5Y3T	C	35	3LK4	V	186	12	AQVA AVL
5GAN	J	352	3ZJY	C	36	3	AQVIKML
1IDQ	A	51	3GVF	A	109	16	ARALGML
2HJR	C	162	5FL3	A	88	2	ARFRCNL
1TWY	G	39	4BPP	1	9	7	ARIMDVL
4BSX	C	60	3LMB	A	128	2	ARISLEA
4REA	A	515	5X22	C	96	24	ARLQLIH
1KIJ	A	187	4MVE	A	96	2	ARLREVA
1SY9	B	11	2BQY	A	86	4	ARLVGVL
6EK7	A	391	4OIB	A	53	5	ARQLVDI
5BMN	A	44	5YAL	A	182	6	ARRIGVA
2VEA	A	212	4ZVX	A	307	9	ARRLFIH
3BJS	B	212	5LMV	C	53	20	ARVDIER
1J5W	A	284	3HO5	A	147	8	ARVFLEV
1EFV	B	105	1VW3	B	273	5	ARVLAKL
3ML1	A	154	5Y6Q	B	244	3	ASAAAGF
3UHO	B	97	1HMW	A	446	6	ASAYALD
5LC5	b	20	3GNL	B	45	6	ASF AIAG
5SVD	A	157	4Q6U	A	296	4	ASHVLR L
4HK5	D	151	5O96	D	55	8	ASIERVK
1KKH	A	118	1PIE	A	74	3	ASITIGT
3DFI	A	26	2X28	A	66	3	ASLAQAE
6FLM	B	3	2ALA	A	127	3	ASLKAKV
2ZBB	A	62	4J5I	H	111	5	ASLLRAV
2XEV	B	21	5LR0	B	368	9	ASQLFLS
1WVT	C	108	5EOR	L	182	8	ASSFLHL
4GF0	B	197	2IIR	A	212	2	ASVA AVK
4KA7	A	580	2KPL	A	95	4	ASVDLEL
1EX6	A	83	3VH9	A	63	17	ASVKQVS
2E3M	A	222	4FFA	D	113	16	ASVLR AV
1Z3X	A	76	3J0C	G	127	3	ASVQ AFL
4KGK	A	101	5T4Y	C	243	4	ASVSASM
1A00	A	130	2WV3	A	180	265	ASVSTVL
5VHX	E	1042	5VKY	A	78	4	ASVTTLN
4F35	C	140	1MTP	A	315	6	ATAAMML
4M1R	B	146	3GWE	A	193	3	ATAVIAE
5K1R	A	133	1TP6	A	86	2	ATLAYRE
2ZJ2	A	157	2NN6	D	76	5	ATLEVIL

3PIK	A	414	1WOD	A	75	5	ATRQTLL
1H0H	A	161	1QIU	B	116	13	ATVAALA
3ONJ	A	68	3I74	B	574	4	ATYKAKL
4HT5	A	208	5FFN	A	189	8	AVAALEN
4U3W	A	290	3OBY	A	141	2	AVAGVLR
4M48	A	511	4KEC	A	238	15	AVAIFKL
4CZB	C	250	1LSH	A	852	3	AVAIMGL
5MQF	A	806	5F83	A	234	14	AVAVYTT
5UXB	B	61	4MJD	A	76	5	AVEGRLL
1RWT	B	137	6F90	C	172	11	AVEGYRI
5LN3	K	180	1SUJ	A	341	7	AVELPLT
2YBD	A	75	2AB4	A	188	7	AVELVRE
2QLV	C	12	4X3S	A	10	8	AVESIRK
5N8O	A	1029	1EW0	A	110	3	AVGEMRS
2LOQ	A	32	3MWS	B	71	2	AVGTVLV
2VLB	A	52	3HMJ	H	1376	7	AVIESVV
1WPQ	A	226	5TA5	A	560	8	AVIRLGL
2P92	A	59	5O68	D	208	5	AVLFGSV
2Z1K	C	257	1J93	A	146	2	AVLGFVG
4HYE	A	166	4OPF	A	247	4	AVLKGIA
1V4V	B	181	1V8D	A	199	3	AVLLAAK
1E5W	A	122	3X0V	B	363	16	AVLLASY
5V8C	A	199	1XRC	A	90	10	AVLSAIG
3V5S	A	262	4XL4	A	254	24	AVLVIMS
4IMR	B	72	3LJY	A	227	2	AVQQRII
2HXO	A	90	1SP8	C	117	2	AVRAVAL
1PQK	B	74	4RUW	A	378	2	AVRAVLR
1GEG	F	158	9LPR	A	127	49	AVRGLTQ
5LPH	B	241	6BFU	B	131	2	AVRIILD
4UPH	C	511	5CIO	A	309	2	AVRLGYA
1OMI	A	196	3ING	A	264	18	AVSRIIS
3QBD	B	274	2PCR	B	102	3	AVSVGLV
3N4J	A	144	2HLC	A	50	7	AVSVVVY
4F9I	B	473	5TJT	D	259	9	AVTVERE
3G5U	A	563	5DBX	B	25	26	AVVQAAL
1J0M	A	171	3AGR	A	38	8	AWQAIVV
4YXY	A	47	2WK4	B	161	11	AYKLALK
5W1R	A	3827	4HXG	K	15	2	AYLSDPR
3EH8	D	7	4WNZ	B	3	4	AYLVGLY
1HU3	A	187	4IPA	D	343	2	CRLTTTI
2PU3	A	190	5HBV	D	95	3	CTRDERI
3TM8	A	138	3HX8	D	99	5	DAAGKYV



5MAW	D	222	5H8Z	A	309	6	DAQLKVV
4WKW	A	203	3C0U	B	26	2	DASLTLA
2AVU	E	93	4YMP	A	14	2	DAVIKAY
5Z0Y	A	450	4LA1	A	356	2	DEITQLK
4TRB	B	12	3THT	B	223	5	DEIVSLS
1W37	A	230	5BZ0	A	226	7	DEVIEAS
1JS4	A	344	5GL6	A	141	5	DFAVRQI
3LLM	A	193	2EAA	B	81	4	DFLLVVL
1AD5	A	282	2WBK	A	284	41	DFSAQIA
3MKH	C	271	3SS6	A	253	2	DGSAVLV
1H3N	A	658	3VCC	B	46	14	DIARITI
1UMN	G	139	2N6D	A	33	10	DIFNVAK
1BGA	D	63	3EGN	A	82	5	DIRLMKE
2OPU	A	81	2W9C	A	300	3	DIVSRGR
1M0U	A	135	4GVS	B	64	4	DIVVDTI
1U0L	B	105	3N3C	A	339	4	DKFLVLA
3AT7	A	91	3PRX	Y	145	6	DLDASID
3ON4	C	56	5LF8	A	92	2	DLGVAVI
2B18	A	148	5FUR	G	698	10	DLILAEY
5J7V	A	608	5J7U	E	608	3	DLISIAK
2ZTJ	A	146	3J21	k	190	5	DLLAVYE
2JVZ	A	156	4BL0	A	48	6	DLLQSLR
4PIW	A	257	5DL6	A	159	5	DLQAAYL
1IRU	R	185	1GKU	B	755	31	DLTIKLV
2Q8K	A	22	5IYU	A	431	11	DLVVTKY
3RC3	A	591	6CB1	b	96	5	DLYLWLS
1YQ1	A	164	3N91	A	221	2	DNLLTLK
4R2Z	B	65	2P8J	A	180	2	DRVVERI
5A9F	A	563	4J3Z	D	5	4	DTLDIFA
3G9G	A	125	3GI0	A	30	2	DTVIEEL
1XQR	B	139	5J7V	C	525	3	DTVRVKA
1DDG	B	336	3WVF	A	78	4	DVEQALL
1GQN	A	123	5WOX	A	67	9	DVKATVD
3AHZ	A	71	5JQC	A	62	14	DVKILKE
2YU1	A	425	6C29	B	29	10	DVKILLE
1WZC	B	237	3PVM	B	1543	7	DVLEVIK
5NUG	A	1448	5NUR	A	256	36	DVLLVAQ
1VRQ	A	493	6AVH	A	408	9	DVLRATG
2VH8	A	481	3K9C	B	43	14	DVMLSAV
1UVD	H	97	5EPE	A	180	5	DVVEMVL
3LM2	A	172	3L81	A	38	2	DVVERLS
4LS9	A	331	4BQI	B	256	4	DVVQALA

5UV4	A	215	4DOO	B	41	2	DVYAFGV
5YDA	A	135	1IBQ	B	83	4	DVYRDTV
4BJM	D	115	4IXL	A	226	3	DVYRNNL
3P3L	A	198	4JGR	A	141	13	DYLVAAI
5LFD	A	97	4EB1	L	381	23	EAAASTA
1N2F	B	111	1WFO	A	112	3	EAAEALV
4TWE	A	632	5L12	A	149	3	EAEAAAL
3TLF	C	238	3DXS	X	66	2	EAEILAE
1EGY	A	46	1QFG	A	584	10	EAKAALS
2WIA	A	157	5XDF	B	2	6	EALKIAL
1K6W	A	166	5U9O	C	101	28	EALLEEA
6FCX	B	487	3WIE	C	69	4	EALLQVL
2HRZ	A	276	5JOZ	A	161	2	EALRKVA
3K2D	B	17	4Q6K	C	380	3	EAQVAEV
3S6S	A	59	4BRV	C	116	6	EARKEIK
4E6H	A	161	4TM4	D	175	8	EARNIVI
1G57	A	155	5VRV	F	210	7	EATIDLM
2PKE	A	119	3OXH	A	78	3	EAVAAIA
4D8J	D	39	2R7F	A	186	3	EAVDVLL
6BKA	A	153	2CXH	A	176	2	EAVIESL
1OBR	A	303	3JB5	G	285	15	EAVLYVA
1GSZ	B	93	2WJ0	A	83	21	EAYVALK
1V9N	A	35	1QEZ	F	98	2	EDAKIVA
2.00E+1 8	A	65	5H4F	A	101	8	EDAKLVA
2HWG	A	543	3LD3	B	123	6	EDAKVLA
2J4O	A	212	6FKF	g	251	5	EDELFRF
5FLZ	B	182	3NB3	D	292	13	EDILKYV
1SKY	E	395	1ROW	A	71	3	EDKLVVH
4YHX	A	82	2KD2	A	22	2	EDLRVVL
4D10	O	133	3VMM	A	397	3	EDLVIEA
4AKK	B	153	6AW3	A	100	15	EEATGQF
5B5R	A	408	5VWK	A	30	2	EEELTLT
3NZQ	B	643	3LYC	M	108	2	EEFEAGL
2ABK	A	160	3OII	A	157	2	EKLLKV
4QFE	D	194	3V5N	A	250	2	EELAADL
3N5L	B	289	2COF	A	76	2	EELAKLE
5KR3	A	226	2J22	A	68	4	EELEKLI
5MUU	K	104	3U74	U	36	5	EELELVE
1OD6	A	49	5BOI	A	185	2	EERLAI I
1YWM	A	144	1KSI	B	363	2	EESRTEV
4QLZ	A	211	5HU3	A	41	9	EFAAKII

5JSB	H	108	4IT6	B	113	3	EFELKLE
5U9N	A	98	3UL6	B	82	3	EFERLVK
2GGZ	B	78	1OX6	B	180	5	EFIAAVN
3WME	A	82	2XCU	C	197	4	EFIVAGS
2WNW	A	54	3TDQ	B	8	9	EGAGVVF
5F5M	B	56	1HDR	A	128	6	EGLLTL
1Y56	A	364	4IC6	B	115	2	EGKLVGA
2A9F	B	373	1RFE	A	89	2	EGVAEIV
4CVH	A	124	3CAW	A	27	2	EGVLLKV
4IOZ	C	35	5XMD	A	39	3	EHRTVEV
2DRH	A	152	2PKH	G	90	2	EHVVEAI
4HYE	A	164	3OD2	B	97	11	EIAVLKG
2CF7	H	61	5JSE	A	356	4	EIDGYLA
5OJS	T	433	4NOR	A	165	2	EIEKTIK
2C5U	A	358	3GDH	C	213	4	EIEQNFL
5XYI	S	112	2XHC	A	153	3	EIERMKK
4XPW	A	43	4ZZ7	B	32	5	EIGQLD
5J73	B	57	2LTT	A	8	3	EIIIELI
3ANW	A	69	3ZOQ	B	46	2	EIIKLRL
5WUJ	A	9	6BDD	A	159	2	EIILEKI
2ZL0	M	138	4Z3L	B	96	5	EIISNEI
2OUG	B	149	2LCL	A	53	2	EIKHSVK
4X3N	B	182	4FCE	A	352	3	EIKKARL
1W33	A	136	6BBO	H	157	8	EIKQRLK
2ZF5	O	112	4JT6	D	303	3	EIKREYG
5E0E	A	212	3I7V	B	57	5	EILDYIG
3TTK	B	163	2JGR	A	281	4	EILPAAL
3THW	B	502	4IKN	A	44	5	EIQGVID
3NVL	B	419	5DJK	A	144	4	EITDAAV
1FBM	A	31	4ALB	B	129	9	EITFLKN
2Z6G	A	567	1VX7	E	71	2	EIVEACT
1HZ4	A	273	5GRO	B	103	2	EIVLEEL
3E2I	A	116	3LYG	A	76	2	EIVSIVE
5GUI	A	7	3Q5I	A	63	2	EKAIKVI
1R89	A	8	487D	J	77	43	EKALELV
5FMF	Y	80	4K55	A	108	11	EKALVEL
4L5E	A	8	5UX0	D	73	3	EKEEIIK
1DKF	A	9	2Q78	H	119	4	EKILEAE
3D3L	A	478	4LID	A	44	2	EKLEKEI
5T9J	A	373	3TO0	B	221	6	EKLLVLL
3B8M	B	32	2GV9	A	885	4	EKTFTKL
3P8C	A	109	3URG	A	80	5	EKTVEVL

1XG5	A	71	4J4G	B	68	27	ELAAECK
5A4J	C	391	5MQO	A	500	2	ELALVQE
6BQ2	A	274	3CUJ	A	233	21	ELDIRMR
5HB4	B	1127	4ACB	D	357	7	ELEEKVL
4AK9	B	51	5TPZ	D	167	13	ELEEVLL
2P9B	A	359	1W4T	A	110	2	ELELLVA
3LXT	A	140	3EDP	B	176	3	ELEQELQ
3DKX	B	141	4GBT	A	291	5	ELFNVVV
3K7U	C	61	4ZI8	A	107	6	ELFSAEV
1DKF	B	5	4B54	A	158	8	ELIEKVR
4WC2	A	333	5YLY	A	37	9	ELKEKIK
5ZT3	A	60	3CBN	A	134	2	ELKVEII
2WT3	A	94	2DBJ	A	69	7	ELLEEVG
3LL9	A	229	5UN2	A	85	5	ELLLLAE
1P16	A	24	2PJJ	A	289	6	ELRLMVA
2IE8	A	126	3G7G	C	72	2	ELSARYA
2KK1	A	97	1W7C	A	334	4	ELSLQEL
5JAA	B	8	3QTC	A	232	2	ELSSALV
2PLW	A	131	3KYG	B	21	4	ELTLSIT
4INA	A	67	4M3J	B	46	2	ELVALIN
3RM5	A	459	4W2Q	A	46	2	ELVASLT
2XKR	A	219	4P7C	B	220	2	ELVMETL
5LEF	D	20	5I6H	B	704	3	ELYEKL
2DG6	A	182	3POR	A	149	3	EMAVAAA
3NXL	C	236	1JD1	A	120	3	EMEAIAA
4EHI	B	185	4RL8	A	257	2	ENFRLNL
2AF0	A	6	2F73	B	16	30	ENLYFQS
1KYV	A	33	4P86	B	85	12	EPLVKGGA
4HY3	D	132	5FWM	K	14	6	EPVAEIG
4P7F	A	6	3S3K	B	196	5	EQRILRH
3IZX	C	984	1J4W	A	47	5	ERIAQIT
2GZA	C	294	4Z37	A	528	2	ERLALMV
6FD2	B	94	1HC2	A	473	3	ERLATFR
1PEM	A	61	5EY2	B	138	8	ERLGLTV
2GPT	A	80	5AEW	T	151	15	ERRDVLR
3QOE	A	225	3JS9	C	10	5	ERTYIMV
4O02	A	438	3NQH	A	86	2	ERVKVMK
2KVC	A	80	4LEJ	A	305	2	ERVRARL
1ORN	A	146	1O1V	A	120	4	ERVSKRL
3J7J	E	368	4YK8	B	123	6	ERWIVNL
3I3Y	C	185	3GME	A	190	4	ESEAELL
4X8Y	B	94	4AX3	D	118	5	ESQFTFK

2XWU	B	852	4JCN	A	145	4	ESVGKVV
1ZCH	A	105	2P9W	A	246	2	ESVLVGA
2O3A	A	47	5OHP	A	182	2	ESVRDVV
5DA0	A	222	1KJN	B	105	3	ETLAIIF
4RIT	A	129	2POU	A	398	6	ETLLLRA
4MFK	A	26	4ZDK	B	300	9	ETVRIAL
1G59	A	326	3TTY	C	618	12	EVAERVK
3AS8	A	43	1SKY	E	49	3	EVALHLG
1BLX	A	61	5MWN	B	142	16	EVAVLRH
4DS7	D	121	6BM8	A	300	5	EVDEMLR
1H0C	A	138	2J0X	B	381	19	EVEEGLA
2PLJ	A	111	6AP4	I	56	3	EVELVAS
2W83	D	10	5HGG	A	77	105	EVENLIL
4QBD	B	8	5NJF	D	54	8	EVENVEF
4NV0	A	34	4ANI	C	138	4	EVERIIN
2GL8	D	167	4IC1	G	82	2	EVETLRE
3DZV	A	106	3VQR	A	241	3	EVGEKLV
4IR7	A	51	4NV8	B	124	5	EVGGLAA
1GW5	S	34	4FX5	A	47	5	EVHAVVT
3GTD	A	129	4PXL	B	63	12	EVIASIA
3NN1	C	42	2UX8	E	193	10	EVKGLVE
3OFM	A	82	5UX0	A	583	8	EVKILEN
1EE8	B	196	4BWI	B	56	2	EVLAEAV
4YIB	A	505	5OBY	A	196	14	EVLATAG
1LLD	A	48	4JOQ	B	166	2	EVLDMQH
3A11	C	22	4QAN	A	116	4	EVLEIAE
5WQ8	M	257	1B0U	A	20	3	EVLKGV5
2YZR	C	230	2VRF	B	80	2	EVLLEVK
2EAY	A	152	5UT6	A	42	16	EVLCLKV
1R8U	A	7	2CDU	B	373	2	EVLMSLV
6CK9	B	77	6FKF	B	64	2	EVQQLLG
1AE1	A	240	4IZO	A	220	4	EVSALIA
3JC5	A	43	4FIN	A	325	7	EVSNLRK
3EFV	C	89	2AGS	A	152	5	EVTKSAA
1V4N	B	228	2PN2	A	94	2	EVTKVMA
4XAJ	D	463	3U2A	A	83	2	EVVARFR
5GUH	A	469	2JDJ	A	88	2	EVVEELA
4RM7	A	44	3GPC	B	496	9	EVVKAFV
5LQZ	U	69	4KQN	B	425	4	EVSVLS
3D2L	C	22	2HFG	H	46	2	EWVAWVL
1A03	A	72	4BXM	B	126	8	EYITFLG
3FQD	A	305	2OGK	A	52	2	EYLEVEL

2OZB	E	16	3SY9	C	410	4	EYRVIVD
5HVO	C	132	1ZGA	A	77	2	FAKTIVK
1XKY	C	32	4TNU	A	295	12	FAKTTKL
2F6H	X	113	6BQ7	B	43	7	FALNSIL
3LXZ	A	159	6EWP	A	24	3	FCFSVDL
3VI3	B	232	5TUL	A	289	7	FDAIMQV
1PSQ	A	153	3.00E+3 9	B	145	2	FEAAIAA
3GB0	A	117	4OZ5	A	99	5	FEAIRVL
3FF1	A	364	1IB8	A	121	2	FEGTLA
3SQR	A	211	1Z0D	A	56	4	FEIWDTA
3DU5	B	358	1PIE	A	142	5	FELLIKG
4OLT	A	108	4OI6	A	44	4	FEQAWAD
5FWK	A	662	3A3I	B	63	6	FETALLS
2Y5W	B	187	2QOS	C	46	4	FEVIEEG
3DAQ	D	168	2FR2	A	33	4	FEYLEEV
5MKE	D	669	4CTE	A	196	4	FFILLNM
1XSE	A	191	3T1E	A	186	10	FFSTLRS
4DUP	A	152	4DAM	E	64	2	FFTVWAN
5Z10	B	985	5LTG	B	501	3	FFYKFG
2I7N	B	349	2A8M	A	127	14	FGAVGAL
4WED	A	430	4IWN	A	217	3	FGSLVAL
3PBL	A	210	2BV4	A	14	3	FGVTVLV
4C0A	E	151	4RL3	B	30	5	FILAFAI
3KDP	G	16	3G05	A	9	10	FIVGLII
4YFM	A	62	2CG8	B	28	2	FIVSAIL
1VFF	A	177	3VU0	A	30	4	FKAFKVA
1OB8	A	121	4QJV	C	4	3	FKILEKR
1Z9I	A	44	5X2F	D	21	19	FKKIKVL
1RN5	A	30	2H00	A	95	10	FKKLIRD
5EC0	A	243	3HP7	A	243	2	FLAHLEK
4NN1	A	145	4CQ7	B	112	9	FLAITGG
1SFR	A	229	3EIF	A	589	3	FLEGFVR
5YS3	B	98	1SZ3	B	79	5	FLGAYLG
5I31	A	352	2OMD	B	99	4	FLVLAVG
4HE8	H	200	4FB3	E	28	3	FPAFLVY
2IPC	D	907	2BS4	E	23	7	FQEYKIE
3J7A	E	71	2QVL	A	209	3	FQGEALL
3IFE	A	20	3ISR	D	7	4	FQSNAMK
3B0H	B	348	3E1E	E	100	2	FRAEVVK
1KCX	B	230	1MQ0	B	76	2	FRAIAIA
1XJT	A	106	1YRH	E	118	4	FSAMTSA

3ILX	B	119	5DXD	B	96	2	FSGKLHG
4P0F	A	17	3DB2	C	241	3	FSINVYG
5F0N	A	840	5AYX	D	281	6	FSLKLFA
2B4A	A	76	3SIO	B	44	3	FSLLDIV
3IP3	B	77	5W3C	A	133	17	FSLNGKI
2GUV	A	9	2JGD	A	301	2	FSSDFQT
1M6D	A	28	1RB8	G	18	3	FSVTGNV
3Q45	C	301	2KCA	A	32	3	FTAAAHV
3OPB	A	377	3MEP	B	173	2	FTEILLT
2X0D	A	257	5MWF	E	116	6	FTLIVEA
5EUL	Y	20	1U8S	B	46	2	FTLLMLI
3GB8	A	287	3RQB	A	94	10	FTLTMMQ
5N9J	A	71	3UGH	A	478	4	FTMRLLV
3K8I	A	80	4M1V	A	299	13	FTNLIFS
5GWS	A	68	1L0W	A	235	5	FTQLDLE
4COI	B	102	4TF4	A	464	10	FVEAQIN
1NEK	C	114	4YE5	A	517	11	FVITVVL
2D1P	F	82	4D63	A	148	6	FVRLTVK
1KV6	B	138	200K	A	21	19	FVTLKAI
5M45	C	34	5X3E	A	218	4	FVTYVEI
3PNZ	E	134	2OSO	A	136	2	FVVNEVE
4PIR	C	222	3S1E	A	434	3	FYAVSLI
5DOQ	B	273	4INN	A	62	3	FYAYGIS
1TFF	A	102	1VDH	E	108	3	FYSVVEL
5LHJ	A	287	4JD3	C	191	8	GAAAVVA
1OMO	A	110	3AOE	F	111	3	GAAGGIA
5DKV	A	48	4ZK3	A	340	3	GAEAAAA
2QKD	A	133	4Y9L	B	292	3	GAIAERI
3DBW	A	200	4DX8	B	23	7	GAIEKIK
1KG2	A	123	1K0G	B	250	14	GAILSLS
3JB6	A	904	2YWH	A	99	6	GALLLID
4GIC	A	195	3IK4	B	28	2	GAQAVAA
2BTD	A	193	4H7U	A	349	4	GATSVMF
3LXU	X	470	2P8U	A	183	2	GAVALLI
5NF8	A	43	3WVQ	B	396	2	GAVILAA
3GF9	A	177	3SLU	B	173	2	GDILAAE
5XG2	A	64	2KKU	A	78	2	GEARIKR
4EOY	A	61	5JOV	A	287	3	GEFKFIL
1JEH	B	431	5AJG	A	184	4	GEMIAEA
1B70	B	708	3TVL	A	156	14	GEVEALV
1H1Y	B	211	3DM3	A	21	3	GEVISAL
1C4T	A	214	2HQL	B	28	4	GFLVTIK

4L6V	L	133	5IKG	A	353	3	GGAFVAY
3O59	X	246	1TQY	D	238	3	GGAILVL
1AKN	A	196	3SO1	G	15	8	GGASVSL
1SZQ	A	118	2CWW	B	318	5	GGILATA
2Y5Y	A	110	4OAV	B	357	3	GGIYLGf
4NTC	A	315	3U7V	A	474	2	GGLVAQL
4M9A	C	253	5IWY	D	146	3	GIAAQAT
4MZ0	B	390	5J3E	B	122	3	GIAGLMK
4GKB	A	18	3NB3	D	192	7	GIGGAIS
2YEV	D	262	4XU3	A	145	16	GILAEVA
3PX5	A	304	2CWW	B	319	9	GILATAS
1XFI	A	82	2I9I	A	116	3	GILEDLK
1XFI	A	100	5CFJ	A	10	4	GILLCRL
4YE8	A	54	5IZM	B	468	4	GILLHGL
4NWZ	C	15	5AQB	A	384	13	GIVAALG
4M1Q	B	125	6EXV	B	895	10	GIVDQVM
2.00E+5 7	B	78	4FFI	A	472	7	GIVVREI
3LJK	A	511	3FN9	B	642	4	GKNILKA
2IFY	A	424	4TR6	A	312	2	GKVVEAI
4AEC	A	189	1Z26	A	474	4	GLAFIAA
3CCG	A	87	4C47	A	91	2	GLAGRIL
2DMT	A	31	6BM7	E	36	4	GLEKRFE
2YEV	D	734	1DO5	C	42	2	GLHGLHV
4B3H	D	34	5HP6	A	823	8	GLIDELR
1FX8	A	161	6B9S	H	202	5	GLILALT
4EUK	A	67	4QL0	A	311	5	GLKATRL
3AKC	A	56	6D6Y	A	435	9	GLLALLE
2MPN	B	43	3LP8	A	287	2	GLLFAGI
1B0P	B	939	3SUC	A	717	14	GLLGQIA
1VJP	A	334	4OOB	A	102	4	GLLVDLV
4YLI	B	72	2V5I	A	173	3	GLMAAYL
4GA4	A	176	1YM5	A	262	4	GLMLASI
1BUY	A	101	6EM5	B	98	24	GLRSLTT
4BUJ	B	1062	3OFN	B	63	2	GMALILE
2C0J	B	40	2YWH	A	337	6	GMGFRVG
3R64	D	115	4TW1	O	136	2	GNITKES
1FSX	B	106	3R7A	A	175	36	GNVLVVV
1VUA	c	223	1VUG	p	223	9	GPGHKAR
3NAZ	A	391	5LMV	a	480	17	GQAEVRA
3PDU	B	200	5I2Y	A	26	4	GQLLEVL
1SDJ	A	2	3CXG	B	10	2	GRENLYF



1G5M	A	87	1MC1	B	119	25	GRFATVV
5W34	B	287	4WJ4	A	327	8	GRVAALR
2DVL	A	235	3SYS	B	93	4	GRVGVAA
3MEK	A	107	1VDN	A	16	9	GRVVFKL
3UF0	B	128	3K1D	A	669	2	GRWREVL
1IO0	A	107	5C58	A	260	5	GSGILAL
5EEF	A	113	4R40	A	379	6	GSVLQLV
2H2Q	A	157	2N3D	A	83	11	GSVYAEA
1VM6	A	149	4XL4	A	384	5	GTAILLE
1JX2	A	1059	3LDF	A	47	3	GTAYLSK
1AP9	A	120	1WFZ	A	24	118	GTGLVGA
1KPK	C	43	1UYO	X	206	42	GTLVGLA
5B04	A	147	4QYR	A	239	2	GVAAVLL
3G8R	A	23	1UMF	D	202	3	GVALIRA
5H36	A	125	3A5P	C	74	2	GVATATF
5WSL	B	113	1OAK	H	33	3	GVDWVRQ
1XFH	C	208	1NKV	B	241	25	GVFALIA
5FJJ	C	269	5LOU	A	149	4	GVGAALA
5OJS	T	1235	5OA3	D	180	8	GVLGIKV
1ZU2	A	44	5E1V	B	168	2	GVLLELS
2Z1M	D	105	6D3U	B	138	4	GVLRILE
4K7E	A	107	3CFU	A	106	2	GVLSYVI
1F16	A	179	4TQ2	A	174	6	GVLTASL
4DAJ	B	130	3N2Q	A	90	5	GVMIGLA
2FSF	A	757	5JKE	A	123	7	GVMLQTL
4C9J	A	35	5B4J	A	112	21	GVSAAIA
4K17	C	293	3ISH	A	211	4	GVSSLSI
4HPZ	A	121	5J60	B	215	2	GVTAVEV
2FK0	J	47	2QV3	A	136	70	GVTNKVN
4ZRM	B	188	3DEZ	B	181	3	GVVAIFT
1R6V	A	389	3HHD	D	229	2	GVVAVLL
4XT1	A	49	5IUD	G	20	6	GVVFLFG
4C3B	B	80	3VIU	A	542	6	GVVGVLE
5VRF	A	119	1MIU	A	618	2	GVVVSVV
2ZIE	B	116	3HHR	B	119	10	HADIQVR
2Y93	A	160	4NH0	A	631	8	HAVVGLV
5NFV	A	562	5IG1	B	90	3	HFYLVFE
1SUI	B	173	5OA3	U	85	14	HKRLIDL
6B5F	B	213	3E0J	B	75	2	HKVAVVR
1M41	B	333	4NZT	M	372	4	HLEEAYR
1KDX	A	66	4RT6	A	595	13	HLLAEKI
2P3E	B	71	2I45	A	32	3	HLVKLLG

2I7A	A	118	5NTH	A	275	2	HLVTLRY
5C6G	A	431	6ENY	G	153	9	HLYTLIV
5J8V	B	1665	3CZB	B	332	2	HTRLRYR
2V9K	A	11	3KYH	B	172	4	HVAQLLL
1BGF	A	101	4FGI	A	91	7	HVAVVIS
4EXN	A	121	5MQS	A	531	3	HVEAVLS
3HVY	D	299	4HVN	A	98	3	HVTIEAV
2LQ5	A	68	5TCQ	M	353	8	IAAVNAL
5WTK	A	294	4CHH	A	35	2	IADFVIK
5CDY	A	21	3LX3	A	20	4	IAELLVE
5M87	A	128	3HMZ	A	151	3	IAEVIGA
3LK7	A	130	3G9H	A	74	2	IAEVLNA
2IT1	A	96	6FU4	D	207	2	IAPPLEL
3TIJ	A	378	2P5T	H	33	9	IAILLGG
4QSH	B	17	1N6F	F	93	7	IAIRVMR
3L6B	A	193	5FTY	B	231	6	IAITVKA
1XQE	A	28	3M5U	A	185	19	IALFYGG
4F0F	A	131	2NRE	A	12	11	IALGIEY
2F1M	B	78	3DWO	X	44	6	IAQLTVN
2FMJ	A	215	2WL6	B	7	11	IASAART
1AKA	B	297	4ZM6	A	764	14	IASLILN
3JYG	B	144	5KIS	A	195	3	IASWLLE
2OQH	C	304	5AWE	A	169	3	IATAAHL
3ZCI	A	51	3MGD	B	63	2	IATAAIA
2A6A	A	86	2P0K	A	51	3	IATVVGL
5B46	A	171	4D65	C	295	3	IAVGASY
3HZQ	A	39	5FSR	A	256	2	IAVVMGA
3W1G	A	129	1DQK	A	92	5	IAYFVLK
2NN6	A	163	1WUB	A	50	5	IDAASIA
2OWN	A	35	5YEP	A	40	2	IDIAVLA
2GZD	C	76	3TH0	A	321	24	IDNLLVR
1AK5	A	336	1Y88	A	50	10	IDVVAER
3SHO	D	29	5OPT	W	123	2	IEAAVEA
3G7Q	A	399	5I68	A	356	3	IEAGVKI
3NZP	A	212	4P6Z	M	176	4	IEAVNLL
4PJ1	E	467	4P1X	H	23	2	IEIIKRT
2YJJ	I	142	5WY5	A	61	5	IEIKRGV
1PGN	A	232	5CFD	C	237	8	IEITASI
1Q3A	B	35	4EKJ	A	470	4	IEKALKV
3DWD	B	89	5JFC	L	367	4	IELEKMK
6FUE	B	4	3VHX	B	104	2	IETLKQE
4N5C	C	301	5OPQ	D	97	2	IEVSKTA

1M56	B	45	5EIO	A	171	15	IFVTLII
4L6V	L	79	7AHL	A	132	9	IGGLIGA
1YGY	A	471	5A5T	F	124	8	IGTLLGT
4USR	A	336	3I83	A	130	2	IGVTRTA
5MGX	E	252	3K6Q	D	53	2	IHAELSK
3TGH	A	171	1UW5	C	83	5	IHEKAWN
1AH7	A	176	4BUM	X	138	8	IHGAAVV
2AUS	A	184	2KDY	A	252	15	IHHIGLA
2ZVI	D	392	4NHM	A	532	6	IIDAVLE
4V1R	A	319	3DEG	C	195	4	IIDSWFD
5ZQZ	A	304	1L2F	A	207	4	IIDVVKT
1JK0	B	242	2OY1	O	109	5	IIEKIIT
6G2J	h	83	1CBG	A	248	3	IIGITLV
5G06	P	155	1XN9	A	5	2	I IKDKKN
2Q27	A	13	5M0A	A	63	4	IIVEALK
3OKF	B	253	6GC8	R	59	86	IKAEVVA
3.00E+0 4	D	73	5CFJ	A	6	5	IKAFGIL
4USK	B	127	4PXD	A	185	7	IKAFVEL
4J7C	J	369	3BG3	A	600	3	IKALAVS
2G59	B	16	1ZVR	A	15	7	IKDMAKD
3I6D	A	424	5X2A	A	53	2	IKELREA
4RH3	C	269	1DKU	A	270	7	IKELVVT
1ZXJ	D	139	4DUL	A	116	7	IKKALVF
1DL3	B	193	3PMS	A	46	7	IKMFIKN
1ZU1	A	119	1B9L	E	10	2	IKNLRRLR
4N0H	B	181	3EKG	A	8	4	IKQVRAF
3RKG	A	243	3BGY	B	144	4	IKSTEEI
2KWP	A	5	5KHS	B	73	5	ILAVVEA
3WD8	D	321	2D9Q	B	87	2	ILDQVEL
1LDN	D	150	1XUV	C	114	14	ILDTARF
4FJQ	A	176	3OWA	B	239	3	ILEDALV
2QM3	A	75	3WW4	B	72	5	I LESLNE
6F0K	D	125	5FRK	B	59	3	ILFSALA
4KT0	K	113	2RHS	C	229	5	ILGAGMV
3AN0	A	154	1F8F	A	281	5	ILGKIAV
4PB1	A	380	3GBW	A	36	8	ILLGGLG
5GUI	A	33	3JYQ	A	5	6	ILLGLIG
4LJI	A	121	4EQX	A	380	9	ILRAAAV
6C95	A	116	5B58	C	16	3	ILRDLSL
4O89	A	15	3ETJ	A	188	6	ILRTSVA
2P0S	B	89	4KKU	A	36	4	ILSDYLS

3JCM	A	911	3EUT	B	169	17	ILVLALE
2OC5	A	38	3UET	B	403	20	INAIIVIE
6ESQ	A	289	3IEU	A	231	4	INGLILV
3PPC	B	498	4EVS	A	353	12	INKEIET
5YZ0	B	2122	4HPH	A	525	6	INKVITE
4G3V	A	9	5TEA	E	26	2	INVVNEI
4IF2	A	77	3OL2	A	229	3	IPRIARV
3N71	A	104	2R9Y	A	99	2	IRLAARI
1Z1W	A	710	1JL4	B	20	6	IRLVIRY
2RAI	B	364	4QG5	D	537	6	IRLYLEQ
2ON5	H	18	1PBY	A	240	3	IRQIFAL
1OTF	A	20	1E3P	A	466	3	IRQVSEA
3ECS	E	27	5XYN	B	159	7	IRTLLEF
3UJH	A	131	3DF0	A	499	3	IRVFSEK
1ALU	A	31	4QGN	A	99	12	IRYILDG
3DL8	D	55	2GZQ	A	140	2	ISFILSL
5CVC	A	198	1NKQ	C	113	2	ISGVALA
3VVJ	B	36	1QAQ	A	152	5	ISILSMV
1HBM	C	132	2DBJ	A	66	15	ISKELLE
5I6C	B	232	1Q55	C	327	2	ISLIGTG
3KSY	A	542	9EST	A	16	115	ISLQYRS
1ORR	D	246	5U02	A	267	4	ISLYFTA
6C01	B	563	5IB9	A	187	3	ITATVKV
3CHX	F	148	5W6V	A	611	9	ITAVVGS
1W85	B	9	3UT0	D	779	8	ITDALRI
2MMU	A	83	6CK9	G	399	59	ITGLLLT
2ZYD	A	246	1LF9	A	120	3	ITKDIFT
3PM2	A	95	1WLH	A	247	3	ITLDAID
2GA9	D	3	4KC8	C	425	8	ITLKIIE
4ZVC	B	108	1RQQ	B	19	3	ITLLREL
3HRI	F	272	4POT	D	19	8	ITQIEAY
5DOQ	A	63	3QDY	B	65	11	ITVAVGV
1H6Z	A	888	1XFJ	A	126	3	IVAAAHA
3WMM	F	24	2WW8	A	818	5	IVAFQIV
1Q5N	A	237	4FZZ	B	16	4	IVEIASV
4CLF	A	82	1O12	B	14	31	IVEKVL I
1W44	A	242	1VDE	B	119	20	IVELVKE
2ZZE	B	467	5N0A	B	308	8	IVKEIAE
4AID	B	214	3J0C	F	127	6	IVLGGVN
3M1I	C	159	5HV7	A	247	43	IVLKL L S
3BWT	A	77	4H5J	B	245	6	IVLTKIS
3CU7	B	1208	4YNN	A	173	11	IVSALKR

1N11	A	359	4QRI	A	150	2	IVTLLLK
3KZU	C	88	2YGK	B	70	2	IVYAVGA
1G8X	B	829	4K39	B	93	7	IYNSLQT
4IW7	A	282	2N47	A	184	3	KAALIQL
3J39	F	42	2O3I	A	352	2	KAAVIAL
2NM0	A	163	4MGH	A	337	8	KAGLVGF
4OPF	A	308	4BA2	B	55	11	KAIAAVY
3WEE	A	334	1UKK	A	5	3	KAKAVWE
3H1Q	A	81	4HFQ	A	121	2	KAKVERL
2ZIC	A	333	4JCC	A	162	5	KALAILL
1YA6	B	70	1VYA	A	33	2	KALKLVN
1N0U	A	317	3SOT	A	149	20	KALLKVV
3WBW	B	129	4K55	A	109	10	KALVELK
5VCH	B	423	4LE5	B	305	4	KCIVQLS
3TJZ	E	168	3K4Z	A	39	2	KCSFDVV
1TDI	B	117	1E0R	B	20	5	KDAKIAL
2KWY	A	33	3J7A	G	89	12	KDDVVKI
5XUS	A	138	5Y3R	B	46	5	KDEIALV
1SGL	A	152	4CVH	A	51	2	KDIVVAV
2QM4	C	162	4NON	A	47	13	KDLEIQD
4DRA	D	69	2CG8	B	7	10	KDLEMFA
3JS3	B	183	5EFX	A	51	3	KDVLVLL
4CGV	B	103	5MDN	A	591	2	KDYERVL
1T5J	A	32	1Z68	A	467	3	KEEIKKL
3LYF	B	77	4RZ7	A	211	10	KEGKATV
5JCA	L	204	3B4X	A	341	4	KEIVKKE
1G4W	R	118	2Z8L	A	30	4	KELKNVT
1RY2	A	117	2DBJ	A	68	2	KELLEEV
5.00E+4 3	A	35	5OLJ	A	452	2	KELRTLE
3OWA	B	548	5IK2	H	57	3	KETLIAV
2D2Z	A	238	4Q8R	A	72	3	KEVEIAY
1YW5	A	43	4YCV	A	424	4	KEVLNAY
1M6N	A	414	4H4G	G	132	11	KFKAVAE
3MKO	A	73	5INE	B	374	2	KFWYLEH
5DA9	A	199	4OPW	B	106	3	KGDELKI
1TBX	B	72	4H0P	A	19	2	KGKLF AI
1THG	A	192	5VGJ	H	43	4	KGLEWVS
6EMF	A	52	4QS9	A	72	5	KGLFYAL
3O7P	A	201	4FGM	A	184	3	KHSLVLS
4Q3O	A	173	3DRX	B	123	2	KHVYRVL
4DDQ	D	276	6F44	G	6	10	KIADLVR

2AJ4	A	470	2VKT	A	24	3	KICSIAL
3AIB	A	99	5NZV	D	277	10	KIEEKIT
2QK1	A	241	2YGT	A	272	3	KIETVK
4OV4	A	49	4M9Q	A	49	3	KIEVFDL
3Q87	A	85	2Q5C	D	119	2	KIKEFLF
2QAG	B	198	3A0Z	B	68	6	KIKITSE
1A0E	A	116	1XFL	A	102	2	KILDKVV
1Y7P	A	62	4YDS	A	191	2	KILERVK
4CCA	A	408	4A1R	C	32	2	KIRVLLL
4M66	A	57	2EGT	A	123	5	KISWEVK
1W44	A	241	2D92	A	17	6	KIVELVK
5WC0	F	272	2QSW	A	24	4	KIVRLLF
3VVN	A	17	5JVH	Q	76	21	KKAIVRL
1IV8	A	310	3RWO	B	57	3	KKIKAQI
3MYU	A	33	5HNY	K	237	3	KKLSGKL
1WA5	C	780	3R5G	A	8	3	KKLTVFF
2FEZ	A	263	5CT3	A	16	24	KKSAKTT
2OEB	A	29	3TZG	B	122	3	KKVQGY
2GYA	S	88	4TOM	U	90	3	KKVRFFK
5LB4	A	154	1WZO	B	2	2	KLARFLA
5CDI	I	23	5KGN	B	185	4	KLATVVG
1AQ5	B	31	4YPJ	B	675	2	KLEAVAK
5FHH	A	119	5LDV	A	359	3	KLEAVAR
2H3R	D	21	4NIY	E	58	15	KLENKTL
4HCX	B	361	4TSR	A	7	8	KLESVVI
3QZ3	C	141	4MTL	B	235	2	KLFGKIL
4FHM	B	722	4F2A	A	379	6	KLFLSLL
2VIX	B	183	1XIQ	E	39	4	KLIAIKM
2YQ1	B	108	2DTT	A	97	4	KLKRVVL
4B21	A	116	5J3S	A	81	8	KLKSQEI
4G1T	B	311	3G2F	A	16	2	KLLELIG
6EL1	P	232	3DQG	C	63	2	KLLGQFS
5ND2	C	336	2B39	B	497	5	KLLKVGR
2QYO	A	309	1LQL	G	95	2	KLLMNVV
1QPB	B	332	5IG8	A	171	3	KLLTAIA
4PJU	A	313	5HZX	A	25	4	KLLTLVL
2XSE	A	127	2BCM	B	80	2	KLNVKLK
4QJY	B	212	2RG0	A	296	6	KLSQYFI
1QAG	B	91	3OU0	A	336	6	KLTLGLL
2R7K	A	277	1IXL	A	86	5	KLVAKAK
4N5C	C	89	4YU8	A	109	3	KLVEKIL
3BRT	B	59	4C3F	A	12	34	KLVERLG

2R4G	A	245	5TPS	B	190	4	KLVSKLT
1C2P	B	178	5COZ	A	340	175	KMALYDV
1EA9	D	435	2AYQ	A	2	4	KMKLAVL
3A4L	B	22	4WIA	A	196	8	KNLAKIL
5GUG	B	2027	3C20	A	316	6	KNVALIN
3TE6	A	263	3VUO	A	983	2	KNVANVS
5AJ3	a	115	1IBQ	B	98	2	KQAVEAA
1OBB	B	336	3J60	Y	26	2	KQFVLEV
2C5S	A	230	3F44	A	90	2	KQKVIDL
2Y6X	A	101	6BCB	F	55	42	KQVELAL
1YBZ	A	62	6EUY	A	93	18	KREEEVL
1J9A	A	115	4YOV	E	38	2	KRFLVKY
5H4V	B	476	5D33	A	3	2	KRIDAAL
1BF5	A	74	6FML	F	233	10	KRKEVVH
3PKR	A	157	5CT3	A	17	26	KSAKTTL
1J4X	A	147	4EI8	A	295	6	KSALSIV
4D7E	B	19	5A2D	B	141	5	KSHVLRQ
2XTZ	C	334	1MKY	A	49	2	KTFKLVD
3I5X	A	101	2V6J	A	243	11	KTIKPIL
4DS7	F	13	4BYG	A	544	5	KTVALLV
5H8V	B	14	2KRS	A	32	4	KVEIIKE
1GPJ	A	306	4E2U	A	76	4	KVEKLIE
2IPC	D	608	3LPS	A	144	3	KVELFIK
3HIB	A	80	2LRH	A	77	12	KVFLLLQ
1QI7	A	200	4YMP	A	88	2	KVIQFEV
4DXE	K	30	1MJH	A	98	2	KVKDIIV
2O8P	A	124	4R6D	A	102	7	KVKSDIS
3HTE	C	25	4J7H	A	304	10	KVLAVAV
5UI5	I	203	4F3E	A	350	4	KVLDIRR
1AW9	A	141	3KEW	B	57	10	KVLDVYE
2Y8N	A	542	4ZPM	B	163	3	KVLELVL
2F1F	A	56	5WY1	A	623	9	KVLEQIE
3JU5	C	349	1M1J	E	313	3	KVLIEME
3IBV	B	151	4TX6	A	89	28	KVLLSIG
4Q2C	A	798	5JTW	F	177	8	KVLREDS
5V4A	B	205	5OBY	A	172	6	KVLVYDL
4R04	A	988	3KXY	C	94	2	KVQLYAQ
1VS6	S	16	2DC1	A	176	42	KVRLVAD
1PX8	B	180	5JPQ	p	126	9	KVTAKAI
4EA3	B	125	4GO7	X	37	6	KVTIVGL
3DUP	B	238	4F06	A	169	3	KVVEAVR
1Z69	C	226	2XSJ	B	305	2	KVVVAFI

2BL7	A	33	5H4C	C	159	3	KVYLKLE
2VSQ	A	164	2QPV	A	104	2	KVYNALR
1RV8	C	54	2OBE	A	202	4	KYGGRAL
5UE7	B	99	5TSP	B	402	7	KYNKLVK
4XQK	A	1168	3NIZ	A	22	2	KYQKLEK
2BK7	C	224	2IJD	2	57	10	LAAKALA
4S1P	A	175	1QWJ	D	4	4	LAALVLA
6C26	3	280	3RRK	A	187	3	LAALVVV
3HI0	A	424	3EC4	A	143	2	LAAMAGE
3LW5	K	61	3S0P	B	144	7	LACGVVG
4CR6	D	213	1MPY	D	176	4	LAEQVLD
3BBJ	A	192	2PP3	A	35	4	LAFLPLA
3F6T	A	52	4U7X	A	92	2	LAFVRLV
5VKV	A	10	2ZKS	A	194	4	LAGVLSF
5CBF	F	31	3EO7	A	162	4	LAIIVTA
1YE8	A	83	4DN7	B	353	2	LAIPILE
1A7L	C	275	5W1C	A	276	274	LAKEFLE
2OC5	A	70	5J37	B	113	12	LAKMEMR
4YXQ	D	304	1DT0	A	133	4	LALASTI
2L6W	A	15	3I7J	A	242	2	LALVVL T
2BB5	B	87	5G24	A	176	9	LALYLLA
1F4T	B	322	2CX1	A	10	34	LARLEAR
4TX2	B	435	3QP9	B	229	3	LARRLVR
2VF7	B	317	6B3T	A	255	13	LARVSEL
5DYN	A	31	5TBY	A	258	7	LASADIE
2OQG	A	11	5MR6	A	135	3	LASVFAA
1FRV	B	372	3LZZ	B	131	5	LASVLVA
5VHX	E	830	2R42	A	29	9	LAVALNL
2ONK	J	270	5T09	A	80	5	LAVEFVK
2HS6	A	263	4MDR	A	37	6	LAVVERL
5U30	A	650	1XEB	G	61	6	LAYLRL L
5U1Z	B	81	6BOG	A	957	6	LDALRLI
3DYJ	B	290	4PO3	X	137	5	LDHVLLT
4WZR	A	169	1TM0	A	292	2	LDKVLEL
2H12	F	345	2Y4O	B	377	2	LDLAVEL
3MVU	A	132	3QLB	B	613	2	LDLLAAL
5GJV	A	871	1UAN	B	2	4	LDLLVVA
3ENB	B	101	3LRU	A	39	9	LDPLEVH
3RFR	B	136	4DMU	J	8	9	LDVILL L
3MOV	A	71	1NJ8	A	96	3	LDVKLAL
3NZP	A	163	5B0V	B	77	2	LEAII DI
3W6J	C	40	4ZN0	C	104	3	LEAKAVI



5VYV	B	8	5TEA	E	95	2	LEARVIG
6CGV	M	293	5J72	B	44	2	LEATLNY
4L5A	A	283	5JGL	B	277	17	LEAVALI
6G2J	Y	52	5LDV	A	360	4	LEAVARV
2O7K	A	42	3V5N	A	249	7	LEELAAD
2AYU	A	334	3IAL	B	113	4	LEERLAL
3LIJ	A	84	3PM7	B	10	2	LEEVAVL
1EYU	A	120	5C58	A	459	14	LEFYDYK
1V30	A	117	2AXW	A	127	13	LEHHHHH
3VP7	A	125	5J61	C	27	16	LEIISEI
2GRJ	A	176	3TIQ	A	11	3	LEKKVEE
4L4O	A	192	5XNA	B	119	5	LEKTYKV
1R6T	A	10	5Y9E	A	180	4	LELFNSI
1UI0	A	3	6BK8	u	180	8	LELLQAQ
3JD5	e	385	4CKE	D	143	4	LELVNLI
6ANY	A	55	4B5D	A	183	4	LENSAQR
4Q84	A	478	1IPA	A	47	4	LEQALVW
3C2W	H	306	3PI7	A	37	8	LEQGRIA
1X87	A	513	3F8M	B	131	3	LERVLTT
1V8Z	C	344	5UZW	C	372	24	LESAHAV
2PD0	B	209	1T9M	B	181	2	LESVEFW
5XMB	A	47	3GU0	A	220	3	LEVEEVY
2QK2	A	36	5CPG	A	103	3	LEVLEKL
3C23	B	195	3BMB	A	119	3	LEVLELE
3LXH	A	373	4WYJ	C	142	11	LEVTVML
3IGF	B	226	1EFP	B	219	2	LEVSVR
3HWC	C	450	4O3W	A	320	3	LFAVFAA
3I3N	A	205	3IFS	D	328	4	LFETVLK
3PMD	A	121	5UEB	B	66	2	LFFDHLI
2FVI	D	156	3N2S	C	158	3	LFGLAVG
5L25	A	158	4GLQ	A	118	6	LFGLLIA
2Y9Y	B	132	4F2A	A	380	5	LFLSLLD
5ZGB	F	113	2WW4	B	13	5	LFLYITG
4HE8	H	313	1K30	A	271	4	LFPLALL
2OY9	B	61	1NEZ	A	109	2	LFRAYEQ
5LLM	A	469	2FZW	A	67	5	LGAGIVE
1A03	A	77	5WRT	A	142	6	LGALAMI
4O5H	D	220	2WAE	A	559	3	LGELIQA
5N6M	A	113	3GP6	A	106	5	LGFTAGV
2WZL	A	264	5GLD	A	24	8	LGFVALD
1VKW	A	183	1SB3	D	437	3	LGIALSH
2JG2	A	139	5GND	A	149	10	LGIISTL

1S9I	A	116	4RHB	D	59	46	LGKVSIA
4KT0	B	332	5O3M	F	171	12	LGLALAS
2YW3	B	28	3S8S	A	48	4	LGLARVL
5TSA	A	131	3DZM	C	135	3	LGLGLGV
5OHU	A	243	5WNV	F	43	108	LGLRRLA
2LAK	A	131	4FSP	A	162	2	LGRLTEV
3JWG	A	18	6BOG	A	19	4	LGTVVAV
5KEV	A	30	6C7A	A	18	47	LGVALIN
3UNV	A	226	3IR7	B	270	12	LGVLLYD
5DDS	C	459	4CSB	A	94	4	LGYVLG
3WJO	B	49	4HEA	4	353	7	LGYYIVS
4U83	C	305	5F56	A	525	4	LHAAALR
5LW1	A	51	6EUA	B	127	2	LHLVAIT
5FFN	A	149	5FSR	A	244	2	LIASAVD
6EQI	C	406	4QHX	A	284	3	LIASFLR
2Y4T	B	260	1W7C	A	556	6	LIESAEE
3N3D	A	86	4M0K	D	143	3	LIHDDVI
4GDY	B	420	3IXV	F	406	5	LIKESLL
1J5V	A	157	3OWA	B	238	3	LILEDAL
4XRV	B	238	3G16	A	116	5	LIREIRA
2DU9	A	75	5A42	A	630	7	LIRERRD
1ABV	A	75	3PDK	B	438	6	LIRVMAE
3DYJ	B	133	5TR0	B	44	32	LISATKA
1CGT	A	121	6CVM	A	834	73	LITTAHA
5LC5	L	490	2BWQ	A	20	6	LIVTILG
5NUE	B	320	5CFB	B	189	4	LKEEKDL
2IU4	A	15	5WS4	A	33	4	LKGIDLT
2CUY	B	274	6EYC	4	328	2	LKGLVLR
2X7V	A	160	5F20	A	16	3	LKKIRDL
4NOO	A	181	3IAB	B	126	3	LKKRAVS
2GRE	D	195	1XU8	B	91	5	LKLIKRL
3I4F	A	126	4ANG	B	61	3	LKLVPV
4FGW	B	244	5B4X	B	280	2	LKNVVAL
1V4V	B	221	2BZ1	A	3	3	LKRVAEA
2JPS	A	10	2JB7	A	117	6	LKVIVAE
2D2E	A	179	5JTW	B	155	7	LKVVARG
6EI3	A	259	6AYY	A	218	4	LLAGIGG
2ZWM	B	109	3JB9	I	53	3	LLARVKA
1WCV	1	154	4BJG	A	1184	9	LLATLEE
3S5R	B	57	4BXI	A	134	2	LLDTIIE
2K4P	A	78	5IEG	A	31	11	LLDTLQL
3TNU	A	110	3EBC	A	127	19	LLDVKTR

4MH6	A	29	1GN1	C	141	3	LLEIKKI
4IKV	A	375	2BDV	A	127	6	LLFAGLS
5MKK	A	164	6CE7	A	500	2	LLGFMLF
4R1I	A	103	5F7R	E	143	3	LLGVGIA
4XGC	E	328	3RYS	A	137	2	LLIAAFL
4PGR	A	27	2C1Y	A	67	11	LLIATVG
4EZB	A	208	5EKZ	A	145	2	LLIEALS
2B6G	A	98	5YVE	A	296	16	LLKAFGI
2DNX	A	70	3SXS	A	12	2	LLKELGS
6F1T	m	392	1VZO	A	58	4	LLKVLGT
3MV2	F	139	5TJI	A	554	4	LLLAIEV
3W0L	D	115	3HRG	A	182	2	LLLANSF
5CXV	A	141	5DWZ	G	258	2	LLLISFD
2R6G	G	19	4XPM	C	127	16	LLLLFIA
5HB4	B	1145	6EKU	A	606	6	LLLTARL
4Q2S	A	59	5OEN	A	9	3	LLLTFIY
3IZC	a	80	6CB1	Z	80	4	LLPTRYT
4IFQ	A	866	6BAQ	G	140	2	LLQLAVK
4XB6	C	77	4DG9	A	394	3	LLRAYRT
1BG3	A	636	1IM5	A	150	3	LLRDAVK
1OXW	B	359	4E5Z	A	632	7	LLSDRKK
1CX8	C	497	5X8R	k	115	14	LLSFVRD
1BZY	B	145	5IL6	B	175	8	LLSLVRQ
5C1F	A	23	3AYH	B	3	2	LLSRFSD
5ISW	A	334	4ZLT	A	238	4	LLTALGF
5CTQ	B	499	2RA5	A	210	5	LLTMERT
1NYO	A	93	5LFU	A	452	3	LLTSILT
6CYZ	A	218	3VKD	A	158	6	LLTVALT
5VZT	D	23	3DI4	A	257	3	LLVEIFA
4U7P	A	201	5K84	A	150	31	LLVLKDL
6CFW	M	277	4NWN	O	31	5	LLVSKTI
2YEV	D	666	4QT8	A	405	2	LLVSSSF
5VHX	E	957	4RE6	C	36	18	LLVVGFS
3IZ5	a	80	3J61	Z	80	4	LMPTRYT
5TDX	D	84	4U59	A	1048	4	LNIALAA
1AOA	A	265	3.00E+8 2	A	33	4	LNLA FVA
5JHE	A	300	2P5I	A	104	2	LNLSLVL
5OQT	A	160	3BJR	A	50	3	LP A I I V
4LOB	A	292	3J31	O	183	3	LPKVIEI
2ZOP	C	35	2YWD	A	157	2	LPV LVRQ
1WYO	A	85	3V8X	A	469	6	LQAAFKK

5YS3	B	124	200A	A	130	2	LQVFVLS
4M7S	A	101	3TY1	A	175	3	LQTLTEL
1JJ7	A	191	3RW9	B	37	8	LQVEQLL
5I81	A	247	4A1E	B	99	8	LRALTTV
5Y08	A	44	6CGS	B	73	3	LRAQALD
4YR9	A	228	5J1A	A	262	10	LRATLEV
1TZ7	A	152	4RQQ	H	104	2	LRDYALY
5LN3	O	177	3KF6	B	24	3	LRFLGCV
1Z7M	B	224	5W5E	K	103	3	LRGLLKE
5IVW	2	118	4AUR	A	54	6	LRIALLG
3VKG	B	2342	3OM1	A	356	4	LRILEKS
3X14	A	78	5LV5	A	381	11	LRILLRY
3ZF7	f	401	5TJG	D	216	6	LRKERAA
6C54	B	373	5JFC	S	11	3	LRKERLA
4ZQW	D	158	4FSP	A	245	2	LRLALSR
2IT1	A	168	2OQB	B	34	2	LRLEVRA
5TD3	A	46	5GAP	H	255	3	LRLLGDL
3ZEY	3	213	2K70	A	30	3	LRLVGAR
1E9H	B	118	2CYE	D	86	111	LRMEHLV
3HTH	B	139	3CR9	A	74	29	LRPVAEE
4PCQ	D	147	2PHH	A	268	34	LRSFVVE
1DPM	A	296	5Y60	N	138	13	LRVIPFL
4FWJ	B	165	1ZX5	A	181	2	LRVLEVS
3CU7	B	1083	4F3E	A	339	13	LRVLGQV
2NVO	A	84	4F7E	A	245	3	LRVTLDV
5UB3	A	268	2OLS	A	186	5	LSAGVQR
1ZVP	C	33	4KKU	A	37	4	LSDYLSL
4C7V	A	34	3ISY	A	9	3	LSIDAIQ
5ZGB	A	359	2W9T	B	3	5	LSIIVAH
4MCT	C	52	5Y3R	B	252	5	LSIRIAA
5LNK	H	266	5G02	A	316	3	LSITFLW
5D8K	B	6	2ZUX	B	304	6	LSKLWTL
1T6J	B	617	5YDM	A	254	5	LSLAAVN
2YNM	A	271	2ILX	A	202	2	LSLAKKM
6FKF	a	184	5OJM	D	239	6	LSLSFRL
5IJN	W	932	4PLK	B	15	6	LSLTAAE
5H9D	A	308	5AE0	A	204	32	LSLTKKM
2X5F	A	126	3DZM	C	151	2	LSLVGDL
1WKV	A	375	6B3O	C	405	9	LSLVQNA
4KF8	A	11	2H63	C	179	2	LSLVSAT
3T8J	A	16	4O1V	A	63	11	LSLYLLL
5NL1	I	37	4BOT	C	60	10	LSNLISL

2JX5	A	25	3LTO	B	36	2	LSNLLSS
2B1E	A	217	1W18	B	326	5	LSPLISA
5IJI	A	24	4II9	A	241	11	LSTGIAL
3B47	A	14	4ZIQ	A	789	2	LSTLVVR
5MMJ	g	59	4HVZ	A	33	3	LSVLRQA
2QG3	B	171	3WJG	A	150	2	LSYVVRW
3B9P	A	229	5UZ8	A	187	3	LTALAKD
2Q27	A	86	5E5D	A	118	13	LTALANA
4JOQ	B	260	4LD8	A	147	3	LTALKLV
3JCL	A	1037	5HAL	A	30	4	LTALNAY
5W3S	A	294	5LK3	A	343	11	LTCLVSL
1OU5	A	62	1HN2	B	115	7	LTELFVK
5UFT	A	131	3TGV	A	82	2	LTFDAVA
5VCH	B	555	5MGA	A	764	4	LTFFENIS
2DUN	A	31	4CU4	A	175	13	LTGLARS
1ULS	C	109	2WUQ	B	20	3	LTGSFLV
4CJD	A	78	3I70	A	17	5	LTGTVEE
5XU1	S	355	4EZI	A	57	2	LTIASGL
1TLV	A	213	5A98	A	43	2	LTIHIER
3BK1	A	112	3OU0	A	337	9	LTGLLLR
5UJS	B	120	4JF7	C	88	5	LTGLPLL
3IZC	t	27	5NQ9	C	29	5	LTLTNAA
3GYE	B	320	5WVD	A	19	11	LTSELLG
3FG6	E	112	5WTI	Z	418	2	LTVQLDR
1G8F	A	207	1WWL	A	73	11	LTVRAAR
4KF7	A	351	3GFA	A	170	2	LVA AISL
5G2R	A	228	3U0A	B	264	3	LVA AVMQ
2NPA	A	56	5DIL	B	78	2	LVAKLVA
3UCA	B	155	3NSJ	A	317	2	LVDYSLE
2HZT	B	3	5HAD	A	120	4	LVEATLE
1N0U	A	504	3M65	B	89	23	LVEGLKR
4CLF	A	71	3P7N	B	138	31	LVEILNY
5DJE	A	112	2WNW	A	16	2	LVERAVS
5IJI	A	164	5LOQ	E	69	6	LVFFTLR
3KG2	B	790	3JVG	A	23	38	LVGGLGL
3J7J	L	274	3MKS	D	354	5	LVGLLRL
1D2K	A	355	4CZW	A	325	5	LVGTVVN
2R0R	B	10	3N05	B	88	6	LVGYLDR
5EGI	B	222	5XF7	A	169	2	LVIVGFF
6ELQ	X	460	3UCO	B	194	5	LVKELIK
2BBH	A	88	6APV	A	116	19	LVLEDIL
2PZI	A	615	2YGM	B	343	4	LVLGGAL

5AZO	A	405	1I5L	G	40	6	LVLLEDAE
2MV6	A	28	2Q86	A	44	2	LVLTLTVL
1QMH	A	289	1WUU	A	58	7	LVLPMAL
3GT5	A	269	3H7M	A	181	2	LVPVARS
4HMY	A	219	1SZW	B	67	5	LVRILKN
5KQT	A	150	3FHH	A	213	3	LVRYYNN
3TT1	A	102	5VPQ	A	256	2	LVVAIYF
5K8M	B	309	5WOU	A	92	5	LVVQREV
6G2J	b	19	5HCF	F	69	3	LVSFSV
3V39	A	42	5CYL	F	154	5	LWAVDRL
1ECA	A	24	2Y5P	A	66	5	LYAVFKA
5MLK	A	204	1W4T	A	184	2	LYESAVR
2KGY	A	20	3HZO	A	20	4	LYFQGAM
2JII	B	18	3IHJ	A	18	2	LYFQSMT
5XTC	I	484	5ZE8	A	321	3	LYLKLTA
2KSF	A	36	4H63	R	6	3	LYLLGVV
1IHG	A	310	1CI9	A	49	3	LYRRAQG
5XQI	C	7	4TMD	A	69	2	MAATAAE
5IXD	A	174	5A5L	A	130	6	MAVLAIS
1Y10	A	194	1QVJ	A	222	3	METEAVN
4B0Z	A	96	1KK3	A	363	6	MGLVTGL
5KC1	F	187	5M86	D	316	2	MKIDEIT
6C0W	K	101	5W1N	D	97	5	MKQFKNS
1VL6	D	374	4ACB	D	311	6	MKVHLNV
3GDE	A	141	4H40	B	284	2	MLLTGLY
2XAU	B	492	4YRV	B	257	12	MRALEEL
1UAZ	B	215	3CT9	A	176	6	MVLDVTA
1D2F	A	99	4G2A	A	23	2	MVSELIR
1E9I	C	218	4WY5	B	151	4	NAEALAV
2QH5	A	92	1XD3	C	223	3	NAIALSA
1UKY	A	86	5OXC	A	145	8	NAISDNV
4FM4	N	34	4MEE	A	457	5	NAISGAL
1VS6	I	43	1UYO	X	101	25	NAKTDSI
2N00	A	79	5TCQ	M	357	2	NALEEKK
6FGK	A	20	4AYU	C	59	13	NELLVYK
2FSF	A	172	1PVT	A	47	8	NEYGFDY
2L86	A	22	5K5G	A	22	2	NFGAILS
1UN8	A	117	4K3B	A	528	3	NFGLAAE
2A61	B	110	4BZH	A	2	6	NFIEKIT
4QKV	A	8	1IM8	A	159	2	NGVLVLS
6EM5	b	89	4Q98	A	325	2	NHYKISL
4HPF	A	101	4IP7	A	535	11	NIMRVLS

2QGY	A	87	3W5G	B	517	3	NKISLLS
1E6J	P	129	1VUP	x	139	106	NKIVRMV
3LKB	B	87	5MXA	A	240	2	NLQLKPL
3BLV	D	100	4BUG	B	339	5	NLTLRKT
3QZ3	C	31	2AIO	J	78	2	NLYLQMS
4H7P	B	182	4FSO	A	259	3	NRALSLL
5YFP	D	324	1W5S	B	178	2	NRIGFLL
4MT0	A	63	2MPL	A	77	2	NSEIYRK
4NV0	A	176	4RTF	D	45	3	NSVVSVL
4GF2	A	68	5IXM	C	244	5	NTEAKLL
1SZI	A	217	5SWK	C	47	2	NTVEYVA
5X0M	A	1027	2B34	F	103	2	NVILVGI
2W8A	B	491	5T9T	B	389	7	NVTIVAA
3MSX	B	131	1I3N	A	179	6	NVLLRY
1XI9	C	286	4JS5	A	31	13	PAQFAAI
6F0K	C	190	5DM3	B	108	2	PDLATLR
5K8E	A	354	4BCD	A	165	32	PDVLERV
4B2T	d	431	6EOJ	A	560	2	PEIELAL
1GWI	A	262	3K6L	A	95	4	PEQRALV
3KJX	C	84	2B0V	A	66	2	PEVLTGI
1H8L	A	96	2B8E	C	28	3	PEVTDLV
2I4Y	A	290	1TB4	A	342	19	PEYLA AF
3AHM	A	246	2OGK	D	118	4	PIAVKLR
3WJS	A	37	3MC2	A	85	2	PIMAEYY
5H35	C	119	5XM7	A	519	29	PISVGLI
3ZUX	A	178	4TU3	X	198	4	PIVLGLI
1J1Z	A	303	4ZPL	A	161	8	PKYAE LV
5UV0	A	101	5UM4	A	85	6	PLDQLEL
5XTC	I	271	3MYU	A	85	3	PLIQTLT
1WCV	1	125	3SUA	E	246	8	PLTLNAL
3PM0	A	155	4ODO	B	102	6	PLTVVAV
2C5S	A	201	4CL3	D	249	11	PVAAYLT
1WU4	A	320	4YOY	A	19	15	PVGLIAT
1RZT	I	89	3NZP	B	335	55	PVLELFS
1A2F	A	41	4OVY	A	199	217	PVLVRLA
3JTS	G	75	5HL4	A	138	7	PVNL RNL
1A80	A	201	2NTM	C	202	7	PVTAAAA
2NYV	A	89	6B2V	A	233	3	PYTLEAL
1HBM	C	97	5IMY	A	409	16	PYVRSRA
1N5D	A	43	5GXF	B	17	3	QAAVKQL
5A7D	R	77	3RW9	B	33	7	QALSLQV
1HCI	A	375	4IBO	D	199	3	QANAIGP

4G1K	D	207	5O6F	A	60	2	QAQQVHA
1IXR	B	162	1IV4	C	143	6	QARAVVL
2BEC	A	25	1QUT	A	272	9	QASLLRL
5LQX	V	191	5WYP	B	307	5	QAVEEVE
1SJ7	C	23	3APP	A	100	17	QAVQAAQ
4F9I	B	624	5KIP	A	88	11	QAYADVT
4OKO	D	148	6EN4	A	711	4	QEAVLAM
6EMY	A	115	5MDM	E	37	7	QEESFLS
1DG3	A	546	4EV0	D	61	3	QERTLAL
4I2N	A	168	5T43	A	62	9	QEVKAVL
4EUK	B	126	3MTS	C	15	2	QEYYLVK
3EPU	B	11	4YC2	B	79	3	QFSLKLN
2NWQ	B	180	6C6Y	H	78	4	QFSLNLR
1D5T	A	238	2YUD	A	81	9	QGFARLS
2AHU	D	118	5J3O	B	110	14	QGVLTQT
4TR2	B	589	4DDX	B	960	6	QIVEILR
1Z1N	X	469	5MLK	B	260	3	QKLVEEA
4HPO	P	7	5W6D	G	132	3	QKVHALF
4ZF7	A	14	5B4W	B	139	3	QLEQLLL
2XEV	B	23	5VKZ	A	174	4	QLFLSFL
3ZTA	A	80	3HHQ	P	134	2	QLILEKI
5A3A	A	291	5TR0	B	43	34	QLISATK
3ANG	D	63	6AVU	A	692	11	QLLAGLR
6AZ0	A	125	5H5C	A	90	5	QLLVELD
4KKI	A	146	5JPQ	O	20	15	QLSLDVL
3DBG	B	419	1T2W	B	117	4	QLTLITA
3U0C	B	53	6AP4	J	224	3	QLTLLIG
1IOV	A	296	3HN8	B	22	8	QLVVRIL
1B92	A	128	3JWJ	B	193	175	QMAVFIH
3VLD	A	407	2ALA	A	30	9	QMQVVET
1MLD	A	14	6G96	B	155	9	QPLSLLL
2RJQ	A	234	4UY2	A	142	4	QQCNLTF
5A9F	A	741	2VP1	B	128	5	QRARVLY
2VDC	H	306	4ZFS	A	225	2	QREVAHA
1A28	A	191	2EI5	B	55	83	QRFYQLT
5K5W	A	192	5TSH	C	471	3	QRLARRV
2N5F	A	24	2ADZ	A	28	5	QRVLLSL
1SVF	A	38	4WSG	A	138	4	QSLGTAV
4K6J	A	247	4O1Q	E	74	31	QSYLIAY
4R0Z	A	259	2KOY	A	122	4	QTAILVA
3U1O	A	169	3FJ4	B	34	5	QTLVLIR
3E0Z	C	89	2WAA	A	84	2	QTVELFH



3TYW	C	193	1E3P	A	468	4	QVSEALG
5YS9	A	614	5HPJ	A	49	2	QVTELVN
1RF4	A	345	1NJK	A	119	5	QVVADAL
2XSZ	F	69	1SZ3	B	14	10	RAAGVVL
1WFD	A	71	2PCL	A	6	5	RAENIKK
2YVY	A	123	5YJ8	A	26	8	RAEVEAL
2OAP	1	94	5K84	A	245	30	RAEVLVR
2G9N	B	124	1J4J	A	90	5	RAEVQKL
3R31	A	56	4RLW	B	139	5	RAIASAK
3ULQ	A	249	2WOH	B	425	19	RAIAVFE
4B3Z	D	238	2JZX	A	135	2	RAITIAG
2X7M	A	77	5IEG	A	29	9	RALLDTL
2VPW	C	239	4B46	A	294	5	RALLVLA
1XC2	A	193	5X1N	A	405	10	RALSLAT
3TBF	B	204	3VVM	B	330	3	RALVMGA
1QKL	A	62	6B57	B	82	15	RARVLGT
3JTX	A	284	4FPP	B	238	3	RASIAAW
3BNI	A	67	4HUB	B	81	59	RAVALRA
3KOL	A	111	5KDR	A	117	3	RAVTVIG
2PR7	B	122	1G29	2	311	2	RAVVEIV
6FPD	A	188	3OZY	A	140	5	RAYASSI
2EYQ	A	565	5F56	A	506	4	RDVAAEL
2PKE	A	118	3DWT	B	48	2	REAVAAI
3EU8	C	85	3OWC	B	152	2	REEGLRR
4A9A	D	70	2VLG	D	99	2	REIILKM
1F6Y	B	102	4E2U	A	74	8	REKVEKL
5A4J	C	390	2NSQ	A	57	2	RELALVQ
3M07	A	527	5FJU	C	29	11	RELLLLR
4UHJ	C	105	5WB2	A	380	6	RELVARI
3G1N	B	11	3CXG	B	11	2	RENLYFQ
2N3T	A	83	2CWW	B	42	14	RFLALAL
4EAH	B	160	4P6Z	S	3	2	RFMLLFS
2QBY	B	322	3AYH	B	6	2	RFSDIIS
1SFK	F	23	1QZ8	B	39	2	RFVLALL
4KUE	C	39	4REV	A	136	5	RGIATIT
1VV6	0	100	1VV6	z	100	2	RGSDIAG
2EJC	A	126	5WNV	L	30	173	RGVCTVV
5TUU	A	46	2OQB	A	27	2	RHAEQQA
4DOH	C	61	5Y96	B	71	2	RHLLRLY
6B8H	b	106	3BF2	A	54	2	RIDSVSQ
4GVL	B	255	1RC9	A	126	6	RIGCAA
2B9S	B	26	4QQV	C	24	2	RIICSWA

6EHQ	M	424	2BTU	A	327	4	RIIGRTV
3B7Z	A	112	5J37	B	110	4	RIKLAKM
2DFA	A	44	4QDK	A	223	3	RILEAVR
3HIN	B	254	1W2T	B	380	4	RIRAFLD
5I9J	A	222	1S9I	A	20	2	RISELGA
4RHF	A	48	5IIQ	A	376	7	RISLDTE
5VBA	A	353	4IEF	E	164	2	RIYTEIV
1VWX	O	161	5GW4	d	228	13	RKEKAKI
2Q97	T	94	4RNZ	A	88	3	RKEKTL
3.00E+4 9	A	278	2B9L	A	212	2	RKIRQVI
6AP4	P	81	6AP4	G	81	2	RKLMEIC
1WY5	A	9	3LBA	A	107	4	RKVLALQ
4JED	A	40	5TMC	D	6	2	RKVRIAL
3MZV	A	295	3VB0	A	61	2	RLAAIGW
1EHK	A	266	5OOM	6	267	42	RLAFLLF
4N9N	B	83	6BOG	A	956	2	RLDALRL
5MC9	B	33	2YZY	A	118	3	RLEGEVR
2YWB	A	398	3GSE	A	132	3	RLEILRR
1XZP	A	219	5UKG	A	93	5	RLERIKE
2FUG	N	2	5C1I	C	210	6	RLERVLE
2IZP	B	98	4PCH	E	87	2	RLETELL
4002	A	342	3G8B	A	205	5	RLGEVLA
3P8C	B	177	3FCH	B	138	4	RLGQMIV
2K28	A	47	5NKM	E	186	4	RLLIAFQ
1Q2V	D	26	4ZFL	F	163	7	RLNILAA
2WJ9	B	162	4RQQ	H	103	2	RLRDYAL
2NMP	B	236	5A68	A	54	10	RLRFLQN
4XE3	A	103	2H34	B	37	4	RLRRLVG
5DSE	C	131	5KWN	A	16	4	RLRVIAE
5TPR	A	275	3S6P	C	242	2	RLTYKAI
5FGN	A	155	5L70	B	148	3	RLVLAAV
3MDK	B	24	2YXE	A	183	3	RLVLAEK
6C30	E	298	5FHY	A	116	3	RLVLSST
3W10	A	55	4AM3	B	433	3	RLVSEIT
2YCU	A	322	4J25	F	156	5	RMVSAVL
1A9M	A	87	3GI0	B	87	43	RNLLTQI
1WGZ	A	495	2XG6	B	269	5	RPFLAYL
1XVL	C	161	1OH2	P	91	7	RQAFVEL
2DY3	C	178	5YBO	A	242	7	RRALALA
3BK6	C	132	3NWR	A	90	2	RRARITL
6CFZ	I	83	2ZRH	A	228	3	RRIETLK

2AZE	A	16	5BQL	D	201	24	RRLERIK
4WPX	C	98	6B8B	A	15	8	RRVVEDV
2OUG	B	138	2LCL	A	42	3	RSMLLLN
1ZP9	A	34	4JF7	C	159	12	RTLKTTY
5YRP	A	131	3FE4	A	174	2	RTTLTGL
1BMT	A	212	3N6R	J	338	7	RTVGVVA
4L6U	B	58	5LN4	B	107	6	RVEEYVF
1UFO	E	225	2CVE	A	127	2	RVGLAFL
1IHP	A	136	1UIR	A	23	4	RVIASGK
5TPR	A	131	6EPF	V	68	14	RVIDVFA
1X0U	C	496	3E2I	A	130	3	RVIVAGL
1C82	A	188	3M7F	B	11	19	RVKVIAG
5L1X	B	45	5WB0	F	156	2	RVLATAV
4C0D	A	538	6BM7	E	274	13	RVLLVLL
3PLS	A	276	5NTF	A	100	2	RVLVGEV
5MAW	D	96	2FR0	A	61	3	RVRELVV
5MQF	A	1437	1M1C	B	31	3	RVRTDFK
2QL2	C	10	3V8X	A	752	5	RVRVRDI
1LQS	L	32	3RQZ	C	212	2	RVTFHRV
2RFG	C	57	3ANN	B	39	10	RVVALVA
1P2F	A	182	4KND	B	90	2	RVVDTVI
1GPL	A	124	4C3Y	E	224	3	RVVGAEV
2WC5	A	111	5UOF	B	226	9	RVVKVAA
2XRY	A	298	2QT5	A	84	8	RVVLEVE
1Z2R	F	183	4WQM	A	106	7	RVVSKRF
1Y82	D	52	5VE5	B	124	4	RYLTVRA
3GWJ	D	253	4MJF	A	126	4	RYYFERL
1SZN	A	33	5I99	A	185	3	SAAELIV
4H05	B	243	4ZON	B	112	4	SA AFLRE
3DDH	B	47	3EFM	A	527	2	SAALFQT
2W9M	B	143	1VW3	C	80	2	SAATILE
4JW3	D	64	4WEN	A	216	8	SAAYALG
3IXC	A	179	5LQ7	A	151	3	SAENYIA
5N7H	A	37	6D6R	H	145	5	SAEVQAV
4KW2	A	157	1Q6W	L	116	2	SAEVVEK
2XZM	3	21	5UBA	A	186	8	SALVELQ
1RC2	B	133	6ART	D	392	16	SALVVEL
5CW3	B	224	2IBY	C	388	11	SAMLIQK
5F54	A	86	1N12	A	128	5	SATATLV
2A6P	B	133	5H45	A	37	2	SAVALAL
6F1T	f	1038	5OPQ	D	234	4	SAVMGIV
3D4X	A	130	5WOX	A	5	5	SAVSTVL

4I1A	B	124	5V5S	I	61	2	SAYRIAE
1VHJ	B	71	5LVC	b	349	5	SCSIYVT
1VSY	4	736	3R05	B	255	6	SDEITLS
5LGM	A	2	4FYD	B	95	5	SDYLVKL
3R5A	F	38	5OST	A	229	10	SEIVAAV
3QV0	A	20	3UNI	B	710	21	SELKIEK
3P9D	J	453	1SKQ	B	359	10	SELVSKL
1GER	A	211	4TZ5	B	334	16	SETLVEV
6GFC	A	19	4NMF	B	535	9	SEVLGQI
1NMO	B	227	5AOH	A	212	3	SEWLNEN
3J7V	B	120	2XVR	C	120	4	SEYTSQL
1WSX	A	104	5GUH	A	681	59	SFGAFVA
4YIX	A	138	3QQ2	A	275	3	SFHAGYR
3ALF	A	94	4XYX	A	285	41	SFIDSSI
4UVK	A	777	1AM5	A	26	2	SFKVIFD
2N9G	A	98	1BIH	A	94	4	SFRKTYL
2WAQ	A	504	2XC1	B	461	4	SGAYLLT
4G1K	D	261	1IG8	A	79	2	SGDFLAI
4HL6	D	202	3STJ	I	156	11	SGIVSAL
1XA3	A	196	2X09	B	698	14	SGLTATT
2D96	A	56	1M0W	A	462	3	SGSLLRS
3ZX0	C	391	5XHW	A	179	4	SGTYILS
1HBH	A	132	1NKQ	D	114	20	SGVALAL
4MT1	A	475	2WQK	B	122	3	SIAFSAF
6FAH	D	249	3EZU	A	301	2	SIGVAQG
5TTP	B	191	3KD8	A	6	5	SIILIVL
3O2U	A	133	5F6J	E	310	4	SIITGLL
5VCH	B	379	5DD7	A	89	7	SILLAIS
6EI9	B	142	5A7V	A	206	3	SILTEVV
5Y3R	C	662	4C3Z	A	28	2	SITVRNA
1H99	A	39	4FMR	D	101	3	SIYVSLT
1LDB	C	42	5M4S	A	201	10	SKAIGDA
2A7K	C	225	9API	A	319	10	SKAVHKA
5N9J	Y	175	3EVN	A	213	2	SKLLLQL
1BVR	C	72	4OIW	F	125	101	SLAGRVT
4TX4	A	2	5MKS	A	286	27	SLEIDSL
5U1D	A	188	4HOV	C	24	9	SLFLVLV
2HJR	C	307	6C86	A	145	5	SLFSKSV
4OJ7	C	121	5FDA	A	7	8	SLIAALA
2G1U	A	32	2I6B	A	133	3	SLIANLA
1E5T	A	649	4W6F	B	44	30	SLKFIAT
2RCA	A	224	2R5R	A	125	3	SLLDYEV

2REP	A	363	3IYU	Y	420	6	SLNSLRF
4EZC	B	220	5NJF	A	474	7	SLPVGVG
1C1G	D	45	2HC6	A	95	4	SLQKKLK
5JH5	A	174	5VX6	A	151	2	SLRLIIR
3ZHC	A	233	6GK8	L	180	976	SLSSTLT
3J2P	A	474	5HP5	B	287	2	SLSVSLV
2DI3	A	81	2HJS	A	247	2	SLSVTLQ
2L6X	A	44	1MCS	A	74	4	SLTVSGL
3WAJ	A	247	2DW7	I	32	6	SLVAVVT
1SI2	A	31	2BJ0	B	115	7	SQVRVFT
3A2C	A	27	3R2Y	A	22	12	SQVLGLG
4S1P	A	173	5A06	F	32	6	SRLAALV
5CWS	E	179	3BS0	A	130	3	SRLIVLR
3N6H	A	324	3NVQ	A	216	4	SRVAQLC
1EYE	A	67	2P6H	A	96	2	SRVIPVV
1U46	B	124	1PBF	A	219	10	SRYAVQV
1LJR	A	67	4IL7	A	150	7	SSAILIY
1WIV	A	31	4J57	F	92	5	SSVDTLL
1IHO	B	131	2MKL	C	66	6	STIVSKL
6CKG	B	226	4FZH	C	142	2	STLHSIN
1CDG	A	205	4FFE	X	20	25	STVDVYL
4G07	A	423	2RHS	D	762	4	SVAIRLN
5JJT	A	261	3E1D	Z	29	4	SVEIILT
3JBR	A	841	3P2N	A	169	5	SVFTVEI
2QHO	B	26	3U75	C	527	5	SVIIREL
5EOV	A	159	3D2F	A	14	7	SVLAVAR
4R0C	C	103	2XRO	E	95	3	SVSLASL
3BV0	A	125	5DZV	B	411	29	SVSVEVA
2YWK	A	69	4RPM	A	214	3	SVSYAIA
5HJF	A	27	4RU4	C	529	4	SVTAPVT
2DI3	A	83	1YP1	A	6	2	SVTLQLV
3J5P	D	416	4J5T	A	124	4	SVVLYFS
4I4T	F	12	3EL6	A	209	72	SVYAEVS
4IJ5	A	124	4HE4	B	116	3	SVYNRVK
2CLY	E	32	4LCV	D	75	10	SWNETLT
2I1J	A	127	5I99	A	227	3	SYAVQAR
2L3Y	A	101	5P8W	A	196	3	SYLEYMK
1EO8	B	93	3Q34	B	113	167	SYNAELL
2GGF	A	103	3FZX	A	209	10	SYSVLER
4F8A	A	138	5AWG	B	240	7	TAFSHSF
3CPG	A	84	1ORU	A	9	2	TAKA EGL
3WTC	B	48	4XLQ	D	318	5	TAKEVEA

1LLC	A	240	4XR7	D	598	9	TALARIS
5T6Q	A	445	3NFD	B	144	5	TALCLLR
2ASY	A	92	3L4V	A	66	2	TARLKNL
3RQS	B	27	5VU2	P	610	8	TASASAK
5BP1	A	707	5FJU	C	25	3	TASVREL
1XJW	C	136	4FT4	B	212	4	TATLLDL
2HPI	A	676	2CUH	A	73	5	TATVRGL
1Q2V	D	99	2ZNH	B	386	5	TAVVIAG
1B8F	A	201	5L77	A	400	12	TAYALRG
6CFZ	A	4	2J22	A	67	2	TEELEKL
5FVM	B	594	2DCU	A	80	3	TEFIRRV
1N0E	B	17	4IGB	B	3	41	TENLYFQ
3JBR	F	979	5GJW	F	979	3	TEQTQYF
1BCC	J	19	3E9E	A	3	33	TFALTIV
5OQJ	2	103	3SE4	C	7	5	TFKISLR
3FB2	A	46	4RNJ	A	63	5	TGAEALL
6EM5	b	53	1WEL	A	67	2	TGEGFVE
2NR3	A	114	5IGX	G	303	15	TGLLLLR
2NP5	A	132	5G56	A	621	4	TGLSAVL
3U64	A	160	5ICR	D	533	5	TGYVAAF
2DQB	C	263	2DD9	C	189	3	THRRVEE
1Z5R	C	14	2GJR	A	136	42	TIEAWTK
1VV0	k	200	1VUH	0	200	3	TILKALG
4OQP	A	107	3Q64	A	105	3	TIQLFAE
6BQG	A	224	3N6U	A	178	8	TIYVLR
1EHI	B	139	5JRL	C	105	3	TKELLTV
2M4M	A	23	2RMP	A	104	3	TKQILAY
1E1C	D	438	3ZVG	A	54	17	TKVLDAC
2Y0C	B	221	1M2X	A	23	5	TKYAANA
4KSI	A	391	5M5J	B	116	3	TLADALI
4PLH	C	18	3I96	C	17	6	TLAHLIA
4MRN	B	53	2DC0	B	395	6	TLALPFA
2XDT	A	723	3HFQ	B	263	5	TLAVFAV
2DG8	C	170	4CUC	A	707	5	TLEAIAR
1ZB1	A	125	5ISV	B	65	5	TLFNIAV
5AYM	A	321	5MLC	G	99	4	TLGIAVT
1VVM	H	70	5CWA	A	178	141	TLIANAV
2CKW	A	192	4LUA	A	65	5	TLIATAA
2NR9	A	12	5DZY	F	181	4	TLILTAL
2GH1	A	75	2ARZ	A	89	3	TLLAEAR
4HYR	B	80	1I7S	A	8	3	TLLKVQA
5A7T	A	128	5Z80	A	103	4	TLLQVDL

1M6N	A	111	5NUG	A	4606	10	TLPVYLN
3NR7	A	16	6CG7	B	72	3	TLRAQAR
4K7C	A	186	3DS8	A	123	2	TLRKLVA
5F4Z	E	245	4J3O	D	531	4	TLSYSLT
1PKF	A	197	3PJQ	A	497	18	TLVASVT
1XQO	A	141	3UC2	D	112	3	TLVFTIK
4AID	B	103	4O9X	A	362	4	TLVSRLI
2YPT	E	204	4GW9	A	286	5	TLVVSLV
5LP7	C	361	4BQ1	B	205	4	TLVYELK
4RJI	D	153	2V4D	F	35	5	TNAFRIA
2VPW	C	17	5F5Q	A	123	12	TNALHFV
4OQS	A	231	3O1J	D	137	3	TNIALLL
1YIS	A	28	4ZV3	C	105	3	TNKATLW
2I6R	B	202	3MYU	A	84	3	TPLIQTL
1V07	A	44	5O5D	A	27	3	TQAGKVV
1WLZ	B	27	3LCB	A	372	4	TQEFENF
5LNC	A	95	3RL6	A	115	7	TQLDFEI
5H43	A	260	2J3Z	A	417	4	TQVVIDA
3E6R	A	99	4Q9C	A	71	17	TRSLNL
3FG6	E	108	4RSV	A	85	3	TSAFLTV
4LUN	U	109	2FHR	A	512	11	TSPLLGA
2JU2	A	27	1ZBT	A	212	2	TSTATVL
1GWI	A	246	2QMH	F	112	4	TTISLIV
1LSU	B	92	4IYG	A	168	18	TLLLLKE
2WTL	E	118	3KYE	B	41	5	TTSAVLL
3P9D	C	94	5VMK	A	11	9	TTVILIA
1XU7	A	145	1YP4	A	167	42	TVAALPM
5U5I	B	246	3GZ8	B	24	6	TVDAVLF
3RR1	A	41	5IK2	D	41	5	TVEAAVH
5WZG	A	508	4JXJ	A	180	6	TVEKCFD
4P5W	A	79	3W5J	B	37	2	TVELLSG
3Q5D	A	162	4IHE	B	344	17	TVFALST
2Q7R	D	5	2N59	A	61	2	TVGNVVL
3S5H	A	1027	1XBT	G	118	6	TVIVAAL
1L1L	B	51	4LES	A	86	2	TVKRVVE
1CQI	A	106	3FN9	B	190	12	TVKVKLD
1YWT	B	98	4BYF	A	380	77	TVLGLLD
2GFP	B	89	4H5J	B	232	3	TVLIAAS
2PEI	A	73	3HCQ	B	82	14	TVRENLA
3O8L	B	422	5TSP	B	378	9	TVRIGLI
3JYZ	A	6	6ETZ	A	792	3	TVRTRVS
5LTX	B	75	3H3J	B	256	4	TVSALLE

2P7N	A	114	4P08	A	441	15	TVSARLF
4AV3	B	184	2YXZ	C	133	5	TVSGYAL
1EJ6	B	458	3IZ6	P	64	2	TVSIRGR
4PS9	A	246	4J57	A	182	11	TVTGYKI
4PS9	A	315	4CU4	A	648	19	TVVDALV
1QO8	D	548	2C5Q	C	115	2	TVVFGRI
5DA0	A	356	2B5O	A	252	3	TVVMLAT
4PHZ	F	67	5N0L	F	116	4	TVVPILG
2AA1	B	84	5LJO	A	444	7	TYAELSV
1XUQ	A	44	4W6Q	D	5	2	TYITNLN
4CVW	C	25	2A1A	B	38	3	TYVIKRV
2W7W	A	93	5BR9	D	120	4	VAAIDA
4LQL	C	196	2K3F	A	5	2	VAAQIKL
5DW7	A	299	3N4Q	B	82	4	VAAVGAY
3HAZ	A	778	3QH4	A	60	3	VADDVVT
4I1U	B	25	2B9V	I	489	6	VADLFAA
2DI3	A	122	3HFZ	B	388	3	VAEALLE
1HTJ	F	169	3S9J	A	11	2	VAEKQLA
1W8G	A	185	5FVN	B	75	16	VAFAGLK
1JK0	A	253	3QDF	A	16	3	VAFASIE
2GVH	B	58	1NMT	B	91	4	VAFIAAT
3DGR	A	221	4LAT	A	80	4	VAGLALI
1EMD	A	125	4YWN	B	27	10	VAIAAEV
5IFE	C	1114	2D30	A	80	5	VAIATIVA
5WY4	A	275	2IJD	2	54	2	VAILAAK
3RHA	B	121	2R1I	B	97	2	VAILDEL
5ZKP	A	145	4QYR	A	9	3	VAIVGAA
1BXE	A	47	4HFN	A	82	171	VAKVLES
1H31	G	239	5MFT	A	230	41	VALELYV
3ASY	B	192	2G5G	X	80	5	VALEMLA
4HEA	V	11	5TYT	A	76	2	VALTLLG
3H0L	S	216	5DS0	J	232	4	VALVLEV
4CT8	A	47	4H83	F	31	8	VAPLARE
5E7X	A	142	9PAI	A	317	7	VAQALQK
1XWY	A	115	5J63	B	147	8	VAQLRIA
4Q25	A	159	5FR8	A	313	2	VAQYDKT
2Y7D	D	254	1R5M	A	69	5	VARLARI
5F4Q	C	203	4PF1	C	489	5	VARLFAS
1FPS	A	37	2EIS	A	69	6	VARLKEV
5MKK	B	65	2Z3J	D	29	7	VASAALS
2RH8	A	21	6BNJ	A	160	23	VASLLVK
3DCF	A	175	2DXQ	A	63	2	VATATLL



5TWV	F	485	4JWT	A	113	15	VATKLSQ
1WDK	B	475	4AUI	A	247	5	VATTVAY
3UNF	V	76	4C5I	B	385	6	VATVTRI
2ZXE	A	303	5FV4	F	30	34	VAVFLGV
3IQC	A	81	3FZB	B	42	4	VAVYLTG
4II2	A	855	4OI2	A	30	12	VCLELVK
1B2R	A	117	2HJR	C	266	33	VCSTYLT
5W1H	A	963	3I4C	B	241	6	VDAVIDL
1OTV	B	125	4IGB	B	105	7	VDAYLNF
2XTS	B	107	3U1W	A	87	2	VDDTYAI
1F37	B	82	5E4W	D	8	3	VDEIVEK
2RAS	A	153	1R1M	A	7	2	VDETISL
3CFY	A	88	4UQ1	u	25	5	VDLAVNL
3AAG	A	116	4BZI	L	497	6	VDLFLAS
1JRY	B	220	3UW3	A	156	4	VDWMTAM
4A5M	A	16	5OIK	C	99	12	VEFTLDV
4CO6	B	205	5MQC	C	230	2	VEILIEV
2EGG	A	175	2YWL	A	96	3	VEKAERL
5JNM	A	296	6AT0	A	19	8	VEKIIDR
6CCZ	A	347	3SVM	A	7	7	VEKILDM
3ZPJ	A	200	1K1Y	B	545	4	VEKKIEL
1D0X	A	411	5NC5	A	129	58	VEKSSSS
2Z2U	A	236	2H5R	A	216	3	VELYERA
3HBA	B	270	5W0P	B	756	4	VEQIANV
3KDW	A	33	3MAE	C	190	2	VESIVKR
2O98	P	32	1JSX	A	182	2	VESVVKL
5WQ7	C	259	1G7S	A	484	2	VEVLTVG
3RD8	A	265	1UW5	C	40	5	VEVLVNE
2REK	B	66	3VVF	B	212	5	VFQERVA
4R0C	C	119	5M6Q	A	216	2	VFTVAFA
4J72	A	251	2VDF	A	110	4	VGAGLGF
5I20	F	275	3G8B	A	176	5	VGGAAVA
1W8X	P	10	2AP1	A	158	2	VGGGLVL
1GY8	D	122	4RL8	A	48	3	VGILRLL
1BS2	A	453	1TDQ	A	175	4	VGISAVM
4LEC	B	73	4HOG	A	7	13	VGIVAAL
5MKK	A	129	4IZ6	A	400	3	VGRLMTR
3J38	T	72	4RI1	A	82	2	VGSITKI
1NOF	A	241	4K4D	B	81	5	VGTELNA
4O95	A	353	5EI0	A	352	9	VHKAELK
5AQD	H	8	4X6K	A	32	8	VIAAADA
3V1V	A	326	4KYI	F	116	9	VIALAGN

5GL9	A	255	4DD5	A	10	28	VIASAAR
4AT7	A	58	3A8K	C	95	5	VIDNLIV
3IC4	A	55	3GA2	A	72	2	VIEKVHS
2K9Y	A	15	1T0I	A	147	2	VIGGVAV
4XFD	A	148	1ZXO	B	86	3	VIGNIKA
4WGV	A	88	5F6Z	D	70	5	VIGSAIA
5FVM	B	925	6EVR	A	144	26	VIGVLMK
5C9E	A	152	4QEZ	B	191	2	VIIRALS
4QQW	A	231	4BH5	C	64	5	VILADWL
3ZGB	A	373	2Y7S	B	200	6	VILGDVR
3VV9	D	261	5BNZ	B	426	6	VIRADEA
1IFL	A	41	4AHC	A	15	4	VIRLFKK
2QF7	A	85	5XC2	D	269	4	VIRVAKL
2RH1	A	61	1CI3	M	179	19	VITAIK
4A2N	B	136	3LGW	A	152	2	VITQGI
5LC5	M	295	6BLM	A	67	8	VIVAILI
2ZXE	A	145	5CW0	A	141	25	VIVTGCF
1QYC	B	133	1WKB	A	250	2	VKAKVRR
4NS4	A	299	2MPR	B	164	3	VKDTAND
3FKM	X	85	4PSB	A	38	5	VKDVQLI
2YGW	A	282	4M7R	B	151	5	VKELQRE
1GUZ	C	98	3UX1	A	104	3	VKEVTDN
5J9Q	G	324	4OEB	D	19	5	VKIKNLK
4H04	A	221	5OLP	B	428	7	VKKFVKK
1GWC	C	21	2P3H	A	94	2	VKLALAL
3UO2	B	146	4YXC	B	152	4	VKLTVEL
5WWL	M	122	1GJI	A	252	2	VKMQLRR
2XN0	B	623	4I8P	A	499	4	VKQVTEY
2VTY	A	156	3PMS	A	43	7	VKTIKMF
1AFV	A	24	1VUX	I	24	121	VKVVEEK
2YII	C	524	5FMD	A	421	20	VKVVENV
5HFG	A	103	5YRP	A	21	3	VLAAEAL
3EEZ	A	300	2XQY	A	44	2	VLADAEA
1MQ4	A	198	5BOI	A	199	161	VLCYEFL
1GC5	A	258	2CW8	A	499	5	VLDRVES
3KA5	A	19	5VU2	P	512	12	VLEMELL
6BAR	A	159	4QT8	A	323	4	VLFQVAV
3WXV	A	174	3LBA	A	259	4	VLGISAI
3WBH	B	472	5K5X	A	49	3	VLGRVLG
2JWA	A	26	3LT3	B	174	9	VLGVVFG
5WF9	A	77	2HN1	A	117	3	VLKILLY
2PP0	B	179	4KQL	A	297	16	VLKNVVI

2R50	B	21	5DMP	A	27	3	VLKSWAV
2OKK	A	127	4W7X	B	220	25	VLLEYVT
5KTF	A	45	5Y2C	A	76	2	VLLGLGG
4Z3N	A	406	2IWN	A	85	3	VLLTLMR
2HNL	B	116	5CAG	A	119	2	VLNIDEL
2R09	A	78	1OH2	Q	90	5	VLQAFVE
3HRJ	A	175	5DLL	A	103	22	VLQTVVE
1F99	N	89	5CTO	C	186	6	VLRYVSY
4DX8	B	140	5FX8	U	78	4	VLSTAFD
4A25	D	32	3PL1	A	155	3	VLVDLTA
1QOY	A	75	2OTE	B	151	6	VLVGDIK
1T6C	A	304	3MC9	B	62	3	VLVSEVL
1Y8G	A	317	2OEM	B	4	14	VMATYLL
2CKD	B	19	2YCH	A	143	4	VMVAAAR
4WW5	B	165	1VYN	A	59	6	VNGLSRA
1H6O	A	183	2A24	A	99	7	VNYVLSE
4CCS	A	215	3C8I	A	17	2	VPAMIAE
1U6Z	A	272	6CWX	B	134	3	VPGLAIL
3RXZ	B	64	4F7G	A	143	14	VPRLLEGI
5IM5	2	74	5H45	A	53	2	VQALAAK
2NYF	A	484	2ZXR	A	522	7	VQAVDLR
1QNO	A	148	2O2G	A	139	6	VQAVVSR
4RPW	A	182	1XQ4	B	65	3	VQEVRL
1NH7	A	223	5IOV	D	89	8	VQGVVFG
4A0C	E	170	5MI7	A	25	33	VQNKTID
3P85	A	218	2DSJ	A	231	2	VRALLTS
3J1E	B	32	6FGY	A	99	369	VRANIAA
5XSP	A	7	4B1P	T	142	5	VRARVIS
5YBB	B	178	2YXM	A	26	3	VRFVVEL
3M6V	B	139	5V1W	A	135	12	VRGLLEN
3OQC	B	177	1G0D	A	658	2	VRKLLVD
1GVI	B	436	6FAI	B	212	15	VRKVKLL
1JRK	D	125	3E0X	B	109	4	VRKVVSL
4KKM	B	160	2FYI	D	43	2	VRLELIQ
3C1A	B	284	5JZD	B	356	6	VRLFAGA
2ZSK	B	174	2RE2	A	50	3	VRLIEKY
1KPL	B	14	4CAI	A	103	3	VRLRRRD
3J3S	C	402	5LCW	Z	181	9	VRLRSFT
5NFN	A	28	5XNR	A	211	3	VRSELRE
5LD5	B	347	4YPT	A	42	2	VRTIKYF
5L1X	B	44	2HTD	B	101	2	VRVLATA
4UVM	A	243	4WEN	A	215	7	VSAAYAL

1YQ3	D	16	5OL2	A	37	6	VSALLLG
3DDL	B	51	3C65	A	31	2	VSALVVF
5F54	A	85	4IA6	B	345	5	VSATATL
5LQD	D	417	4IEF	E	173	2	VSETAEA
4PIR	C	252	5IA8	A	18	4	VSFKITL
5N6H	A	199	4HT1	T	117	6	VSGLLAL
4JND	A	98	5GOY	A	360	3	VSHLIAT
4BUJ	B	835	4RHB	D	62	4	VSIKDT
5JAE	B	180	4XCG	B	381	3	VSILIRG
4HEN	D	240	4QOE	E	6	14	VSIVVAA
1UPK	A	43	3RNS	A	143	10	VSKNLVA
1S12	B	26	5BWI	A	207	3	VSLLTQH
2DFW	A	234	3SNO	A	144	9	VSVMTSS
1TKC	A	444	3BD0	A	283	3	VSYAAGA
1ADO	A	253	1SGV	B	196	12	VTALRRT
6BPE	G	239	5HIF	B	29	3	VTALSDG
5UWZ	A	137	1ZO1	I	430	2	VTEGVVK
1E8X	A	604	4L37	A	492	4	VTIDIKS
3ZEV	A	39	3KKG	A	114	7	VTLFTLA
1C4X	A	116	1YP1	A	7	2	VTLQLVV
5SY1	A	349	2W59	B	136	2	VTLSCLV
4DJI	A	339	5GLJ	A	89	4	VTLVISQ
5O5J	G	23	1YKD	A	324	3	VTQLVNK
3ZSS	B	576	4DN7	B	279	17	VTRLNTI
1GT8	D	778	4RMX	B	580	6	VTTIARA
2R6A	A	68	3P3I	B	90	22	VTVTAEL
3R5S	A	31	4B60	A	194	4	VTVTGTL
4HWH	C	21	4YTZ	B	856	9	VVALEVA
3VTZ	B	30	4CU4	A	649	12	VVDALVR
1GQE	A	66	1YWX	A	51	2	VVDTLDQ
4DF0	A	72	2B8M	A	17	3	VVEKLVN
2MZ8	A	113	6GBZ	C	76	15	VVERLEY
1PS6	B	96	2Q78	H	77	5	VVETLAR
4GVW	A	152	2ALA	A	33	4	VVETSLE
3M1I	C	991	4F2A	A	91	39	VVFKGTL
4E6Y	A	141	6BVC	A	87	3	VVGALAA
5UQI	A	163	5XO1	C	172	6	VVGDAVA
5NIK	J	534	4NKP	B	121	4	VVGIGIV
5IWK	A	498	6D7A	A	48	16	VVILGFA
2CH0	A	21	4PF1	C	504	2	VVKIIDV
3J20	Q	37	2E7V	A	59	5	VVKLRKE
4L62	B	104	3LNW	B	60	9	VVKLSAE

1F1M	C	18	4I0O	A	82	3	VVLAVKE
4XYD	A	426	3MNF	A	117	2	VVLGALL
5K47	A	332	5BP1	A	690	5	VVLSVVA
2GTD	F	192	2B1O	A	165	6	VVNGSVY
3DAH	B	178	3GVF	A	106	8	VVRARAL
1K1A	A	61	4NNM	A	96	19	VVRLLV T
2GEJ	A	371	5MDS	C	294	9	VVSAQIM
5DIR	C	98	4YN3	A	597	3	VVSASLV
1PJR	A	172	3D71	A	247	6	VVSDVYQ
2J1D	G	332	5MCN	A	295	26	VVSQFIT
2WIU	A	418	4CGK	B	346	15	VVTAVES
6AZ1	H	97	2B34	E	131	3	VVVDAYS
2KPH	A	133	4P75	A	45	6	VVVG EVL
1FSX	B	110	2W4N	C	62	15	VVVLARN
4FKC	A	264	3ADI	C	22	6	VYEIVKE
3E8J	A	165	3KYF	A	173	3	VYERFKA
5YQ7	M	118	1IM0	A	161	4	WARLYTR
2K1A	A	12	3AK5	C	221	6	WVLV GVL
3R5Z	B	126	1EW3	A	50	2	YAEYQTK
5ULM	B	90	5VMJ	A	252	16	YAFALNR
3OKF	B	245	5VLP	A	521	17	YAIARCC
3KHX	A	148	5LVP	D	60	64	YAIKILE
1VGO	A	47	5LP5	B	556	6	YAITILV
3BQS	B	56	3EZW	G	300	20	YALEGAV
4PNG	A	138	2PCS	A	61	2	YDAIIEV
4CLV	A	135	4FZV	A	224	3	YDRVLVD
4XHA	B	662	1GPM	B	466	5	YDWV VSL
1J1D	B	77	3NNH	C	31	8	YEINVLR
3RU8	X	268	3HZL	A	224	5	YEMAIAA
1COY	A	21	4JXK	A	259	4	YGGAVAA
4REA	A	472	1R44	F	62	10	YGLLLWD
3PT7	B	112	1VX7	U	84	2	YGVLLRY
2VAT	K	353	4H8P	A	51	4	YIAMTLK
4PS9	A	354	5YEL	A	58	11	YIEQGKK
1G8I	A	31	3O8V	A	15	21	YKGF IKD
2CMX	A	21	5VJ7	B	2	3	YKILEKK
1YSH	C	26	1FRR	A	2	6	YKTVLKT
2OTR	A	28	4.00E+2 7	E	84	7	YKVVGNL
3UYU	B	79	3HSJ	A	53	4	YLAAAVA
5G2V	A	315	5Y09	A	162	5	YLATVLA
5UJS	B	263	5EUO	G	88	3	YLCAGAI

6EPE	U	211	2XN2	A	178	4	YLEKVAS
1S7B	C	6	3DJC	J	147	7	YLGGAIL
3O4Z	A	144	4KH9	A	345	3	YLGYLRL
1FEW	A	95	5LY6	B	247	4	YLKLETT
6CGI	D	135	5W1A	C	47	5	YLLGEIK
1F5Q	B	167	3A79	B	280	2	YLNINYNL
2EBB	A	35	1JI6	A	274	2	YLQGIEF
5WAQ	A	97	1IXR	B	4	3	YLRGLVL
4IGC	I	795	3GN6	A	312	81	YLTRRLV
2LNL	A	239	1TVE	B	32	9	YNLVLLA
2YRI	B	339	5KTK	A	195	5	YQAFLLA
2A68	D	916	4FOU	B	51	33	YQAFLLA
2PEI	A	20	3O72	D	234	21	YQAVRLI
3VOU	A	121	3EO6	A	92	4	YRLEVME
4EFZ	B	197	5VQJ	A	129	3	YRSIRKV
1NOU	B	281	2UUR	A	88	16	YSFLTTF
5F0Q	A	80	3L9Q	A	76	5	YSYNIRH
2H9A	B	219	4C94	D	84	5	YSYSIIE
4PDY	A	129	3Q31	A	91	3	YTLAQFH
4YIS	B	99	3HDP	A	100	3	YTLFKKA
5EWP	A	192	4JX0	B	47	3	YTQLEAI
1T5O	D	248	1J8K	A	68	3	YTVSVVA
1PIE	A	123	3L6D	A	122	3	YVKGMIIV
3AVT	A	880	2YWC	C	446	9	YVLALRA
5YET	B	327	5TXK	A	347	2	YVLFYRQ
2HP0	A	146	2HOE	A	88	5	YVLGIEV
5KYM	B	44	3PHS	A	204	4	YVLKEIE
1Q2Y	A	17	2GP1	G	47	15	YVREEVF
4JD9	D	94	3O4O	C	194	2	YYRCVLT