

Table 1

	UniProt entry	UniProt residues	PDB ID	PDB chain ID	PDB residues
0	A4_HUMAN	290-301	5NX1	B	4-15
1	A4_HUMAN	290-301	5NX3	B	4-15
2	A4_HUMAN	290-341	3L33	E	4-55
3	A4_HUMAN	290-341	3L33	F	4-55
4	A4_HUMAN	290-341	3L33	G	4-55
5	A4_HUMAN	290-341	3L33	H	4-55
6	A4_HUMAN	290-341	5NX3	C	4-55
7	A4_HUMAN	290-342	1AAP	A	4-56
8	A4_HUMAN	290-342	1AAP	B	4-56
9	A4_HUMAN	290-342	1BRC	I	4-56
10	A4_HUMAN	290-342	1CA0	D	4-56
11	A4_HUMAN	290-342	1CA0	I	4-56
12	A4_HUMAN	290-342	1TAW	B	4-56
13	A4_HUMAN	290-342	1ZJD	B	4-56
14	A4_HUMAN	290-342	5NX1	C	4-56
15	A4_HUMAN	294-341	5C67	C	8-55
16	A4_HUMAN	294-342	5C67	E	8-56
17	A4_HUMAN	294-342	6GFI	C	8-56
18	A4_HUMAN	294-342	6GFI	E	8-56
19	A4_HUMAN	302-342	5NX1	D	16-56
20	A4_HUMAN	306-342	5NX3	D	20-56
21	AMBP_HUMAN	230-282	1BIK	A	25-77
22	AMBP_HUMAN	286-338	1BIK	A	81-133
23	AMBP_HUMAN	286-338	4U30	W	4-56
24	AMBP_HUMAN	286-338	4U30	X	4-56
25	AMBP_HUMAN	286-338	4U30	Y	4-56
26	AMBP_HUMAN	286-338	4U30	Z	4-56
27	APLP2_HUMAN	309-320	5JBT	X	4-15
28	APLP2_HUMAN	323-360	5JBT	Y	18-55
29	BOOH2_RHIMP	20-72	2ODY	E	20-72
30	BOOH2_RHIMP	20-72	2ODY	F	20-72
31	BOOH2_RHIMP	88-140	2ODY	E	88-140
32	BOOH2_RHIMP	88-140	2ODY	F	88-140
33	BPT1_BOVIN	39-50	3FP7	I	4-15
34	BPT1_BOVIN	39-90	1FAK	I	4-55
35	BPT1_BOVIN	39-90	3GYM	I	4-55
36	BPT1_BOVIN	39-90	3GYM	J	4-55
37	BPT1_BOVIN	39-90	4WXV	C	4-55
38	BPT1_BOVIN	39-90	4WXV	I	4-55
39	BPT1_BOVIN	39-90	5YVU	I	4-55
40	BPT1_BOVIN	39-90	5YW1	I	4-55

41	BPT1_BOVIN	39-91	1AAL	A	4-56
42	BPT1_BOVIN	39-91	1AAL	B	4-56
43	BPT1_BOVIN	39-91	1B0C	A	4-56
44	BPT1_BOVIN	39-91	1B0C	B	4-56
45	BPT1_BOVIN	39-91	1B0C	C	4-56
46	BPT1_BOVIN	39-91	1B0C	D	4-56
47	BPT1_BOVIN	39-91	1B0C	E	4-56
48	BPT1_BOVIN	39-91	1BHC	A	4-56
49	BPT1_BOVIN	39-91	1BHC	B	4-56
50	BPT1_BOVIN	39-91	1BHC	C	4-56
51	BPT1_BOVIN	39-91	1BHC	D	4-56
52	BPT1_BOVIN	39-91	1BHC	E	4-56
53	BPT1_BOVIN	39-91	1BHC	F	4-56
54	BPT1_BOVIN	39-91	1BHC	G	4-56
55	BPT1_BOVIN	39-91	1BHC	H	4-56
56	BPT1_BOVIN	39-91	1BHC	I	4-56
57	BPT1_BOVIN	39-91	1BHC	J	4-56
58	BPT1_BOVIN	39-91	1BPI	A	4-56
59	BPT1_BOVIN	39-91	1BPT	A	4-56
60	BPT1_BOVIN	39-91	1BTH	P	4-56
61	BPT1_BOVIN	39-91	1BTH	Q	4-56
62	BPT1_BOVIN	39-91	1BTI	A	4-56
63	BPT1_BOVIN	39-91	1BZ5	A	4-56
64	BPT1_BOVIN	39-91	1BZ5	B	4-56
65	BPT1_BOVIN	39-91	1BZ5	C	4-56
66	BPT1_BOVIN	39-91	1BZ5	D	4-56
67	BPT1_BOVIN	39-91	1BZ5	E	4-56
68	BPT1_BOVIN	39-91	1BZX	I	504-556
69	BPT1_BOVIN	39-91	1CBW	D	4-56
70	BPT1_BOVIN	39-91	1CBW	I	4-56
71	BPT1_BOVIN	39-91	1D0D	B	4-56
72	BPT1_BOVIN	39-91	1EAW	B	4-56
73	BPT1_BOVIN	39-91	1EAW	D	4-56
74	BPT1_BOVIN	39-91	1EJM	B	504-556
75	BPT1_BOVIN	39-91	1EJM	D	504-556
76	BPT1_BOVIN	39-91	1EJM	F	504-556
77	BPT1_BOVIN	39-91	1F5R	I	4-56
78	BPT1_BOVIN	39-91	1F7Z	I	4-56
79	BPT1_BOVIN	39-91	1FAN	A	4-56
80	BPT1_BOVIN	39-91	1FY8	I	4-56
81	BPT1_BOVIN	39-91	1G6X	A	4-56
82	BPT1_BOVIN	39-91	1JV8	A	4-56
83	BPT1_BOVIN	39-91	1JV9	A	4-56
84	BPT1_BOVIN	39-91	1K6U	A	4-56
85	BPT1_BOVIN	39-91	1LD5	A	4-56

86	BPT1_BOVIN	39-91	1LD6	A	4-56
87	BPT1_BOVIN	39-91	1MTN	D	304-356
88	BPT1_BOVIN	39-91	1MTN	H	304-356
89	BPT1_BOVIN	39-91	1NAG	A	4-56
90	BPT1_BOVIN	39-91	1OA5	5	4-56
91	BPT1_BOVIN	39-91	1OA6	5	4-56
92	BPT1_BOVIN	39-91	1P2I	I	4-56
93	BPT1_BOVIN	39-91	1P2J	I	4-56
94	BPT1_BOVIN	39-91	1P2K	I	4-56
95	BPT1_BOVIN	39-91	1P2M	B	4-56
96	BPT1_BOVIN	39-91	1P2M	D	4-56
97	BPT1_BOVIN	39-91	1P2N	B	4-56
98	BPT1_BOVIN	39-91	1P2N	D	4-56
99	BPT1_BOVIN	39-91	1P2O	B	4-56
100	BPT1_BOVIN	39-91	1P2O	D	4-56
101	BPT1_BOVIN	39-91	1P2Q	B	4-56
102	BPT1_BOVIN	39-91	1P2Q	D	4-56
103	BPT1_BOVIN	39-91	1PIT	A	4-56
104	BPT1_BOVIN	39-91	1QLQ	A	4-56
105	BPT1_BOVIN	39-91	1T7C	B	4-56
106	BPT1_BOVIN	39-91	1T7C	D	4-56
107	BPT1_BOVIN	39-91	1T8L	B	4-56
108	BPT1_BOVIN	39-91	1T8L	D	4-56
109	BPT1_BOVIN	39-91	1T8M	B	4-56
110	BPT1_BOVIN	39-91	1T8M	D	4-56
111	BPT1_BOVIN	39-91	1T8N	B	4-56
112	BPT1_BOVIN	39-91	1T8N	D	4-56
113	BPT1_BOVIN	39-91	1T8O	B	4-56
114	BPT1_BOVIN	39-91	1T8O	D	4-56
115	BPT1_BOVIN	39-91	1TPA	I	4-56
116	BPT1_BOVIN	39-91	1UUA	A	2-54
117	BPT1_BOVIN	39-91	1UUB	A	2-54
118	BPT1_BOVIN	39-91	1YKT	B	4-56
119	BPT1_BOVIN	39-91	1YLC	B	4-56
120	BPT1_BOVIN	39-91	1YLD	B	4-56
121	BPT1_BOVIN	39-91	2FI3	I	4-56
122	BPT1_BOVIN	39-91	2FI4	I	4-56
123	BPT1_BOVIN	39-91	2FI5	I	4-56
124	BPT1_BOVIN	39-91	2FTL	I	4-56
125	BPT1_BOVIN	39-91	2FTM	B	4-56
126	BPT1_BOVIN	39-91	2HEX	A	4-56
127	BPT1_BOVIN	39-91	2HEX	B	4-56
128	BPT1_BOVIN	39-91	2HEX	C	4-56
129	BPT1_BOVIN	39-91	2HEX	D	4-56
130	BPT1_BOVIN	39-91	2HEX	E	4-56

131	BPT1_BOVIN	39-91	2IJO	I	4-56
132	BPT1_BOVIN	39-91	2KAI	I	4-56
133	BPT1_BOVIN	39-91	2PTC	I	4-56
134	BPT1_BOVIN	39-91	2R9P	E	4-56
135	BPT1_BOVIN	39-91	2R9P	F	4-56
136	BPT1_BOVIN	39-91	2R9P	G	4-56
137	BPT1_BOVIN	39-91	2R9P	I	4-56
138	BPT1_BOVIN	39-91	2RA3	C	4-56
139	BPT1_BOVIN	39-91	2RA3	I	4-56
140	BPT1_BOVIN	39-91	2TGP	I	4-56
141	BPT1_BOVIN	39-91	2TPI	I	4-56
142	BPT1_BOVIN	39-91	2ZJX	A	4-56
143	BPT1_BOVIN	39-91	2ZJX	B	4-56
144	BPT1_BOVIN	39-91	2ZVX	A	4-56
145	BPT1_BOVIN	39-91	2ZVX	B	4-56
146	BPT1_BOVIN	39-91	3BTD	I	504-556
147	BPT1_BOVIN	39-91	3BTE	I	504-556
148	BPT1_BOVIN	39-91	3BTF	I	504-556
149	BPT1_BOVIN	39-91	3BTG	I	504-556
150	BPT1_BOVIN	39-91	3BTH	I	504-556
151	BPT1_BOVIN	39-91	3BTK	I	504-556
152	BPT1_BOVIN	39-91	3BTM	I	504-556
153	BPT1_BOVIN	39-91	3BTQ	I	504-556
154	BPT1_BOVIN	39-91	3BTT	I	504-556
155	BPT1_BOVIN	39-91	3BTW	I	504-556
156	BPT1_BOVIN	39-91	3FP6	I	4-56
157	BPT1_BOVIN	39-91	3FP8	I	4-56
158	BPT1_BOVIN	39-91	3LDI	A	4-56
159	BPT1_BOVIN	39-91	3LDI	B	4-56
160	BPT1_BOVIN	39-91	3LDI	C	4-56
161	BPT1_BOVIN	39-91	3LDI	D	4-56
162	BPT1_BOVIN	39-91	3LDI	E	4-56
163	BPT1_BOVIN	39-91	3LDJ	A	4-56
164	BPT1_BOVIN	39-91	3LDJ	B	4-56
165	BPT1_BOVIN	39-91	3LDJ	C	4-56
166	BPT1_BOVIN	39-91	3LDM	A	4-56
167	BPT1_BOVIN	39-91	3LDM	B	4-56
168	BPT1_BOVIN	39-91	3LDM	C	4-56
169	BPT1_BOVIN	39-91	3LDM	D	4-56
170	BPT1_BOVIN	39-91	3LDM	E	4-56
171	BPT1_BOVIN	39-91	3OTJ	I	4-56
172	BPT1_BOVIN	39-91	3P92	E	4-56
173	BPT1_BOVIN	39-91	3P95	E	4-56
174	BPT1_BOVIN	39-91	3TGI	I	4-56
175	BPT1_BOVIN	39-91	3TGJ	I	4-56

176	BPT1_BOVIN	39-91	3TGK	I	4-56
177	BPT1_BOVIN	39-91	3TPI	I	4-56
178	BPT1_BOVIN	39-91	3U1J	E	4-56
179	BPT1_BOVIN	39-91	3WNY	A	4-56
180	BPT1_BOVIN	39-91	3WNY	B	4-56
181	BPT1_BOVIN	39-91	3WNY	C	4-56
182	BPT1_BOVIN	39-91	3WNY	E	4-56
183	BPT1_BOVIN	39-91	3WNY	F	4-56
184	BPT1_BOVIN	39-91	3WNY	G	4-56
185	BPT1_BOVIN	39-91	3WNY	H	4-56
186	BPT1_BOVIN	39-91	3WNY	I	4-56
187	BPT1_BOVIN	39-91	4BNR	I	4-56
188	BPT1_BOVIN	39-91	4BNR	J	4-56
189	BPT1_BOVIN	39-91	4DG4	C	4-56
190	BPT1_BOVIN	39-91	4DG4	E	4-56
191	BPT1_BOVIN	39-91	4DG4	F	4-56
192	BPT1_BOVIN	39-91	4DG4	H	4-56
193	BPT1_BOVIN	39-91	4PTI	A	4-56
194	BPT1_BOVIN	39-91	4TPI	I	4-56
195	BPT1_BOVIN	39-91	4WWY	C	4-56
196	BPT1_BOVIN	39-91	4WWY	I	4-56
197	BPT1_BOVIN	39-91	4Y0Y	I	4-56
198	BPT1_BOVIN	39-91	4Y0Z	I	4-56
199	BPT1_BOVIN	39-91	4Y10	I	4-56
200	BPT1_BOVIN	39-91	4Y11	I	4-56
201	BPT1_BOVIN	39-91	5JB4	A	1004-1056
202	BPT1_BOVIN	39-91	5JB4	B	1004-1056
203	BPT1_BOVIN	39-91	5JB4	C	1004-1056
204	BPT1_BOVIN	39-91	5JB5	A	4-56
205	BPT1_BOVIN	39-91	5JB5	B	4-56
206	BPT1_BOVIN	39-91	5JB5	C	4-56
207	BPT1_BOVIN	39-91	5JB6	A	1004-1056
208	BPT1_BOVIN	39-91	5JB6	B	1004-1056
209	BPT1_BOVIN	39-91	5JB6	C	1004-1056
210	BPT1_BOVIN	39-91	5JB7	A	1004-1056
211	BPT1_BOVIN	39-91	5JB7	B	1004-1056
212	BPT1_BOVIN	39-91	5JB7	C	1004-1056
213	BPT1_BOVIN	39-91	5PTI	A	4-56
214	BPT1_BOVIN	39-91	5XX2	A	4-56
215	BPT1_BOVIN	39-91	5XX2	B	4-56
216	BPT1_BOVIN	39-91	5XX3	A	4-56
217	BPT1_BOVIN	39-91	5XX3	B	4-56
218	BPT1_BOVIN	39-91	5XX4	A	4-56
219	BPT1_BOVIN	39-91	5XX4	B	4-56
220	BPT1_BOVIN	39-91	5XX5	A	4-56

221	BPT1_BOVIN	39-91	5XX5	B	4-56
222	BPT1_BOVIN	39-91	5XX6	A	4-56
223	BPT1_BOVIN	39-91	5XX6	B	4-56
224	BPT1_BOVIN	39-91	5XX7	A	4-56
225	BPT1_BOVIN	39-91	5XX7	D	4-56
226	BPT1_BOVIN	39-91	5XX8	A	4-56
227	BPT1_BOVIN	39-91	5XX8	B	4-56
228	BPT1_BOVIN	39-91	6F1F	A	4-56
229	BPT1_BOVIN	39-91	6F1F	B	4-56
230	BPT1_BOVIN	39-91	6F1F	C	4-56
231	BPT1_BOVIN	39-91	6F1F	D	4-56
232	BPT1_BOVIN	39-91	6F1F	E	4-56
233	BPT1_BOVIN	39-91	6PTI	A	4-56
234	BPT1_BOVIN	39-91	7PTI	A	4-56
235	BPT1_BOVIN	39-91	8PTI	A	4-56
236	BPT1_BOVIN	39-91	9PTI	A	4-56
237	BPT1_BOVIN	40-90	1BRB	I	5-55
238	BPT1_BOVIN	44-88	1CO7	I	9-53
239	BPT1_BOVIN	50-73	1K09	A	2-25
240	BPT1_BOVIN	50-73	1K09	B	2-25
241	BPT1_BOVIN	51-91	3FP7	J	16-56
242	CO6A3_HUMAN	3111-3163	1KNT	A	4-56
243	CO6A3_HUMAN	3111-3163	1KTH	A	4-56
244	CO6A3_HUMAN	3111-3163	1KUN	A	4-56
245	CO6A3_HUMAN	3111-3163	2KNT	A	4-56
246	H7COV9_HUMAN	216-264	6HAR	E	8-56
247	MAMB1_DENAN	4-56	5M4V	A	4-56
248	PCPI_SABMA	114-165	4BD9	B	114-165
249	PCPI_SABMA	3-55	4BD9	B	3-55
250	PCPI_SABMA	55-107	4BD9	B	55-107
251	Q964Q0_IXOSC	100-152	6NAN	A	75-127
252	SPIT1_HUMAN	249-301	1YC0	I	249-301
253	SPIT1_HUMAN	249-301	4ISL	B	249-301
254	SPIT1_HUMAN	249-301	4ISN	B	249-301
255	SPIT1_HUMAN	249-301	4ISO	B	249-301
256	SPIT1_HUMAN	249-301	5EZD	A	249-301
257	SPIT1_HUMAN	249-301	5EZD	B	249-301
258	SPIT1_HUMAN	249-301	5H7V	A	249-301
259	SPIT1_HUMAN	390-441	5H7V	A	374-425
260	SPIT2_HUMAN	37-88	4U32	X	4-55
261	TFPI1_HUMAN	124-176	1ADZ	A	13-65
262	TFPI1_HUMAN	124-176	1TFX	C	4-56
263	TFPI1_HUMAN	124-176	1TFX	D	4-56
264	TFPI1_HUMAN	124-176	4DTG	K	6-58
265	TFPI1_HUMAN	216-268	1IRH	A	7-59

266	TFPI1_HUMAN	53-104	6BX8	B	4-55
267	TFPI1_HUMAN	53-104	6BX8	D	4-55
268	TFPI1_HUMAN	53-104	6BX8	F	4-55
269	TFPI1_HUMAN	53-104	6BX8	H	4-55
270	TFPI1_HUMAN	53-105	4BQD	A	25-77
271	TFPI1_HUMAN	53-105	4BQD	B	25-77
272	TFPI1_HUMAN	53-105	5NMV	K	25-77
273	TFPI2_HUMAN	35-87	1ZR0	B	4-56
274	TFPI2_HUMAN	35-87	1ZR0	D	4-56
275	VKT1_PSETT	30-82	3BYB	A	6-58
276	VKT1_PSETT	30-82	3BYB	B	6-58
277	VKT1_PSETT	30-82	3BYB	C	6-58
278	VKT1_PSETT	30-82	3D65	I	6-58
279	VKT1_PSETT	30-82	3UIR	C	6-58
280	VKT1_PSETT	30-82	3UIR	D	6-58
281	VKT1_PSETT	30-82	5ZJ3	A	6-58
282	VKT1_PSETT	30-82	5ZJ3	B	6-58
283	VKT1_PSETT	30-82	5ZJ3	C	6-58
284	VKT1_STIHL	2-54	1SHP	A	2-54
285	VKT1_STIHL	2-54	3M7Q	B	2-54
286	VKT1_STIHL	2-54	3OFW	A	4-56
287	VKT1_STIHL	2-54	3T62	D	4-56
288	VKT1_STIHL	2-54	3T62	E	4-56
289	VKT1_STIHL	2-54	3T62	F	4-56
290	VKT1_STIHL	2-54	3UOU	B	2-54
291	VKT1A_CYRSC	36-86	2JOT	A	3-53
292	VKT21_LYCMC	24-76	2M01	A	3-55
293	VKT9_BUNFA	6-58	1JC6	A	6-58
294	VKT_NAJAT	28-80	2M99	A	4-56
295	VKT_PSEPC	6-58	6A5I	A	6-58
296	VKTA_MICTN	30-83	4NTW	B	6-59
297	VKTA_MICTN	30-83	4NTX	B	6-59
298	VKTA_MICTN	30-83	4NTY	B	6-59
299	VKTH1_DENPO	6-58	1DEM	A	6-58
300	VKTH1_DENPO	6-58	1DEN	A	6-58
301	VKTH2_BUNMU	30-82	1BUN	B	6-58
302	VKTHA_DENAN	6-58	1DTX	A	6-58
303	VKTHC_DENAN	6-58	1BF0	A	6-58
304	VKTHC_DENAN	6-58	5YV7	A	6-58
305	VKTHC_DENAN	6-58	6KZF	A	6-58
306	VKTHK_DENPO	26-78	1DTK	A	4-56
307	VKTS1_CONST	32-84	1Y62	A	6-58
308	VKTS1_CONST	32-84	1Y62	B	6-58
309	VKTS1_CONST	32-84	1Y62	C	6-58
310	VKTS1_CONST	32-84	1Y62	D	6-58

311	VKTS1_CONST	32-84	1Y62	E	6-58
312	VKTS1_CONST	32-84	1Y62	F	6-58
313	VKTS1_CONST	32-84	2CA7	A	6-58
314	VKTS1_CONST	32-84	6Q61	A	6-58
315	VKTS1_CONST	32-84	6Q6C	A	6-58
316	VKTS1_CONST	32-84	6Q6C	B	6-58
317	VKTS1_CONST	32-84	6YHY	A	6-58
318	VKTS1_CONST	32-84	6YHY	B	6-58
319	WFKN1_HUMAN	358-410	2DDI	A	9-61
320	WFKN1_HUMAN	358-410	2DDJ	A	9-61

Table 2

PDB Query IDs
1AAL
1AAP
1B0C
1BHC
1BIK
1BPI
1BPT
1BRB
1BRC
1BTH
1BTI
1BUN
1BZ5
1BZX
1CA0
1CBW
1CO7
1D0D
1DTX
1EAW
1EJM
1F5R
1F7Z
1FAK
1FAN
1FY8
1KNT
1KTH
1MTN

1NAG
1P2I
1P2J
1P2K
1P2M
1P2N
1P2O
1P2Q
1T7C
1T8L
1T8M
1T8N
1T8O
1TAW
1TFX
1TPA
1Y62
1YC0
1YKT
1ZJD
1ZR0
2FI3
2FTL
2HEX
2IJO
2KAI
2KNT
2ODY
2PTC
2R9P
2RA3
2TGP
2TPI
3BTD
3BTE
3BTF
3BTG
3BTH
3BTK
3BTM
3BTQ
3BTT
3BTW
3BYB
3D65

3FP6
3FP7
3FP8
3GYM
3L33
3LDI
3LDJ
3LDM
3M7Q
3OFW
3OTJ
3T62
3TGI
3TGJ
3TGK
3TPI
3U1J
3UIR
3UOU
3WNY
4BD9
4BNR
4BQD
4DG4
4DTG
4ISL
4ISN
4ISO
4NTW
4NTX
4NTY
4PTI
4TPI
4U30
4U32
4WWY
4WXV
4Y0Y
4Y0Z
4Y10
4Y11
5EZD
5JBT
5M4V
5NMV

5NX1
5NX3
5PTI
5YV7
5YVU
5YW1
5ZJ3
6F1F
6GFI
6HAR
6KZF
6PTI
6Q61
6YHY
7PTI
8PTI
9PTI

Figure 1

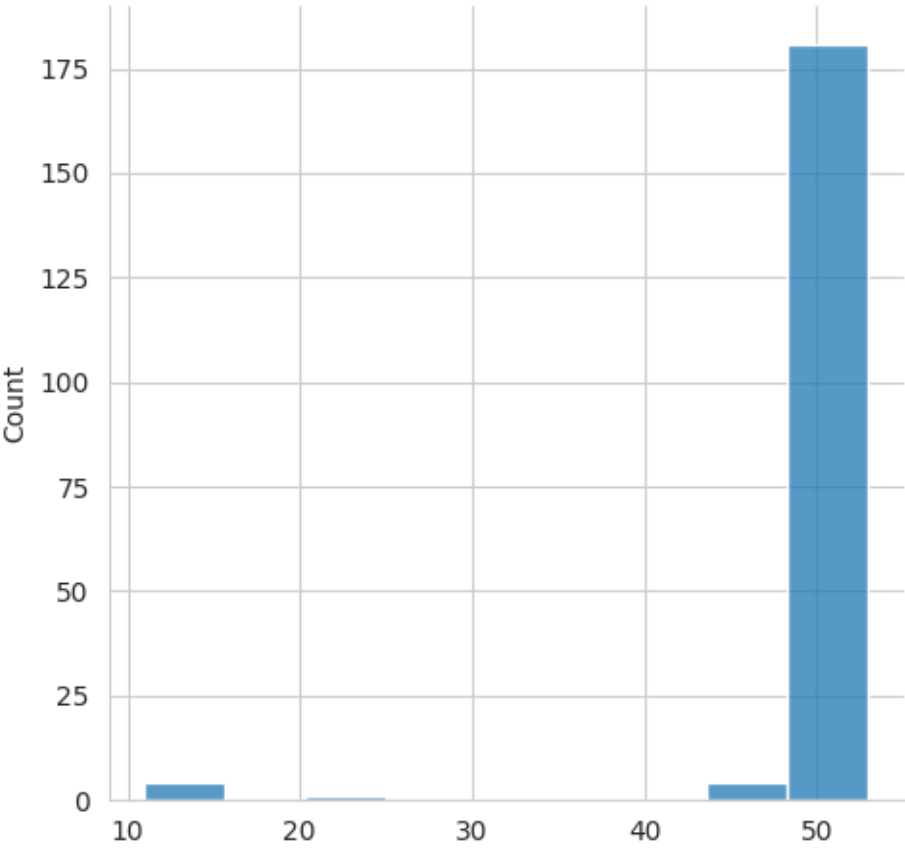


Table 3

Final seed
1AAP
1B0C
1BIK
1BRB
1BUN
1DTX
1FAK
1KNT
1T8L
1TFX
1Y62
1YC0
1ZR0
2ODY
3BYB
3M7Q
3UOU
3WNY
4BD9
4BNR
4BQD
4NTW
4U30
4U32
5M4V
5NMV
5YV7
5YW1
6GFI
6HAR
6YHY

Figure 2

