

Supplemental Table 3. Repeat sequences in azuki bean mtDNA

Repeat	Length	copy	Position
1	1215	a	404090..841
		b	193239..194455
2	36	a	5726..5761
		b	141157..141192
3	31	a	12671..12701
		b	complement(291814..291844)
4	36	a	146234..146269
		b	complement(291777..291812)
5	18	a	12732..12749
		b	382931..382948
6	51	a	16892..16942
		b	263207..263257
7	46	a	16897..16942
		b	complement(144108..144153)
		c	263212..263257
8	24	a	16893..16916
		b	34104..34127
		c	263208..263231
9	16	a	18218..18263
		b	306817..306862
10	85	a	21853..21937
		b	401094..401187
11	47	a	125951..125998
		b	21914..21961
12	74	a	23472..23545
		b	complement(316264..316337)
13	25	a	25178..25202
		b	313627..313651
14	40	a	28173..28212
		b	complement(134002..134041)
15	28	a	28201..28228
		b	complement(133812..133839)
16	30	a	29743..29772
		b	complement(334629..334658)
17	23	a	34073..34195
		b	complement(273198..273314)
18	34	a	34094..34127
		b	16881..16916
19	36	a	36107..36142
		b	166426..166461
20	34	a	36108..36141
		b	166427..166460
		c	258251..258284
21	30	a	36113..36142
		b	166432..166461
		c	complement(256811..256840)
22	37	d	complement(258256..258284)
		a	40996..41032
23	30	b	complement(332179..332215)
		a	41258..41287
24	49	b	complement(289931..289960)
		a	41508..41556
25	29	b	complement(298388..298436)
		a	44719..44747
26	35	b	complement(316408..316436)
		a	46126..46160
		b	295515..295549

27	29	a	54167..54195
		b	70403..70431
		a	55604..55627
		b	complement(210611..210634)
28	24	c	complement(219319..219342)
		d	254771..254794
		e	complement(361196..361219)
29	25	a	55897..55921
		b	complement(234981..235005)
30	25	a	55974..55998
		b	208152..208176
31	30	a	59298..59327
		b	complement(159038..159067)
32	38	a	62936..62973
		b	282441..282478
33	30	a	64635..64664
		b	complement(225993..226022)
34	42	a	64910..64951
		b	complement(88286..88327)
35	38	a	65021..65058
		b	227278..227315
36	31	a	65064..65094
		b	complement(126552..126582)
37	43	a	66747..66789
		b	365596..365638
38	30	a	67019..67048
		b	244031..244060
		a	68512..68621
		b	complement(210611..210720)
39	110	c	complement(219319..219428)
		d	254685..254794
		e	complement(361196..361305)
40	181	a	68512..68691
		b	complement(361126..361305)
41	31	a	68700..68730
		b	complement(126591..126621)
42	27	a	69579..69605
		b	87605..87631
43	69	a	75403..75471
		b	complement(239168..239236)
44	28	a	78051..78078
		b	complement(10967..10994)
45	44	a	80134..80177
		b	143547..143590
46	41	a	92775..92815
		b	complement(224725..224765)
47	84	a	97467..97550
		b	358362..358445
48	62	a	101337..101598
		b	complement(341474..341735)
49	40	a	101742..101781
		b	341289..341328
50	30	a	110569..110598
		b	233542..233571
51	33	a	111037..111069
		b	353297..353329
52	321	a	113798..114118
		b	complement(355759..356079)

53	137	a	114018..114154
		b	complement(146537..146673)
54	116	a	114074..114189
		b	complement(402480..402595)
55	44	a	120061..120104
		b	complement(227472..227515)
56	62	a	120366..120427
		b	complement(226732..226793)
57	30	a	121570..121599
		b	121627..121656
58	100	a	121866..121965
		b	complement(174287..174386)
		a	complement(174320..174364)
59	45	b	121888..121932
		c	complement(216379..216423)
60	204	a	122790..122993
		b	complement(175077..175281)
61	40	a	127951..127990
		b	289637..289676
62	28	a	136681..136708
		b	398847..398874
63	41	a	138874..138914
		b	364399..364439
64	115	a	139243..139358
		b	270466..270581
65	25	a	141783..141807
		b	complement(312920..312944)
66	88	a	143790..143877
		b	272942..273029
67	84	a	144070..144153
		b	complement(263212..263295)
68	109	a	complement(169796..169904)
		b	144134..144242
69	40	a	144134..144173
		b	complement(169865..169904)
		a	289514..289549
70	36	b	complement(394750..394785)
		c	144134..144169
		d	complement(169869..169904)
71	80	a	144236..144315
		b	complement(258613..258692)
72	50	a	144358..144407
		b	complement(254944..254993)
73	103	a	146015..146117
		b	complement(336492..336597)
74	88	a	146204..146291
		b	complement(291754..291842)
75	66	a	12673..12738
		b	146204..146269
		a	355759..355859
76	101	b	complement(114018..114118)
		c	146573..146673
77	147	a	146747..146893
		b	394973..395119
78	47	a	148840..148886
		b	224352..224398
79	25	a	336698..336722
		b	156890..156914

80	30	a	162812..162841
		b	complement(296362..296391)
81	29	a	164988..165016
		b	complement(263390..263418)
82	172	a	169865..170036
		b	394746..394917
83	46	a	170627..170672
		b	396142..396187
84	61	a	171015..171075
		b	171468..171528
85	89	a	172525..172613
		b	complement(344479..344575)
		a	172637..172678
86	42	b	376184..376225
		c	172688..172749
		d	178033..178094
87	43	a	176278..176320
		b	192579..192621
88	149	a	complement(289080..289228)
		b	177524..177672
89	188	a	complement(344990..345165)
		b	177485..177672
90	60	a	213724..213783
		b	177613..177672
91	101	a	177853..177953
		b	213946..214046
92	64	a	177953..178016
		b	214001..214064
93	32	a	complement(344649..344680)
		b	177994..178025
94	24	a	178150..178173
		b	292731..292754
95	26	a	292765..292790
		b	178163..178188
96	34	a	178227..178260
		b	322490..322523
97	32	a	178392..178423
		b	322660..322691
98	40	a	181153..181192
		b	complement(313302..313341)
99	30	a	182405..182434
		b	285388..285417
100	51	a	198514..198664
		b	complement(351636..351785)
101	50	a	211443..211492
		b	complement(385946..385995)
		a	215464..215496
102	37	b	complement(254655..254687)
		c	361303..361335
103	24	a	215463..215486
		b	331738..331761
104	24	a	complement(382843..382866)
		b	216403..216426
105	28	a	217209..217236
		b	277197..277224
106	38	a	220034..220071
		b	complement(313617..313654)
107	29	a	221435..221463
		b	complement(243894..243922)

108	27	a	226033..226059
		b	364803..364829
109	40	a	357798..357837
		b	226758..226797
110	50	a	227143..227192
		b	complement(346484..346533)
111	31	a	232169..232199
		b	complement(383580..383610)
112	43	a	238317..238359
		b	11024..11066
113	24	a	247855..247878
		b	325886..325909
114	235	a	250286..250520
		b	341889..342123
115	28	a	254600..254627
		b	complement(273591..273618)
116	49	a	254910..254958
		b	355255..355308
117	25	a	255072..255096
		b	262806..262830
118	44	a	2982..3025
		b	258291..258334
119	25	a	258483..258507
		b	361358..361382
120	123	a	259471..259599
		b	276277..276396
121	37	a	289229..289265
		b	345139..345175
122	103	a	289255..289357
		b	336138..336240
123	119	a	336287..336404
		b	289428..289546
124	48	a	289529..289576
		b	291828..291875
125	60	a	313180..313239
		b	complement(362746..362809)
126	40	a	316176..316215
		b	397121..397160
127	29	a	319992..320020
		b	complement(4053..4081)
128	103	a	289083..289185
		b	344990..345101
		a	complement(114074..114118)
129	45	b	146573..146617
		c	355759..355803
		d	402551..402595
130	39	a	382910..382948
		b	12714..12749
		a	complement(114074..114154)
131	81	b	146537..146617
		c	402515..402595
