Supplemental Table 1. Genes coded in azuki bean cpDNA

Name	Type	Region
accD	CDS	59241..60755
atpA	CDS	52595..54127
atpB	CDS	10342..11838
atpE	CDS	11835..12236
atpF_exon1	CDS	51254..51397
atpF_exon2	CDS	52112..52510
atpH	CDS	50592..50837
atpI	CDS	48839..49582
ccsA	CDS	110941..111928
cemA	CDS	62370..63053
clpP_exon1	CDS	complement(72339..72457)
clpP_exon2	CDS	complement(71385..71681)
clpP_exon3	CDS	complement(70407..70625)
matK	CDS	complement(5024..6538)
ndhA_exon1	CDS	complement(118068..118619)
ndhA_exon2	CDS	complement(116244..116783)
ndhB_exon1	CDS	complement(94177..94899)
ndhB_exon1	CDS	138071..138793
ndhB_exon2	CDS	complement(92729..93484)
ndhB_exon2	CDS	139486..140241
ndhC	CDS	13504..13866
ndhD	CDS	complement(112181..113677)
ndhE	CDS	complement(114353..114658)
ndhF	CDS	complement(107724..109973)
ndhG	CDS	complement(114877..115407)
ndhH	CDS	complement(118621..119803)
ndhI	CDS	complement(115673..116158)
ndhJ	CDS	14652..15128
ndhK	CDS	13911..14549
petA	CDS	63231..64193
petB	CDS	75315..76775
petD_exon1	CDS	76978..76986
petD_exon2	CDS	77705..78178
petG	CDS	66745..66858
petL	CDS	66491..66586
petN	CDS	complement(35053..35142)
psaA	CDS	21915..24167
psaB	CDS	24193..26397
psaC	CDS	complement(113796..114041)
psaI	CDS	60984..61088
psaJ	CDS	67435..67569
psbA	CDS	complement(3299..4360)
psbB	CDS	72860..74386
psbC	CDS	complement(28776..30197)
psbD	CDS	complement(30145..31206)
psbE	CDS	complement(65308..65559)
psbF	CDS	complement(65179..65298)
psbH	CDS	74966..75187

psbI	CDS	complement(55998..56108)
psbJ	CDS	complement(64724..64846)
psbK	CDS	complement(56582..56767)
psbL	CDS	complement(65040..65156)
psbM	CDS	34353..34457
psbN	CDS	complement(74717..74848)
psbT	CDS	74551..74658
psbZ	CDS	complement(27929..28117)
rbcL	CDS	complement(8132..9562)
rpl12_exon1	CDS	complement(83272..83665)
rpl12_exon1	CDS	149305..149698
rpl12_exon2	CDS	complement(82177..82611)
rpl12_exon2	CDS	150359..150793
rpl14	CDS	2391..2759
rpl16	CDS	850..2257
rpl20	CDS	complement(68866..69225)
rpl23	CDS	complement(83684..83965)
rpl23	CDS	149005..149286
rpl32	CDS	110380..110541
rpl33	CDS	68052..68186
rpoA	CDS	complement(78414..79415)
rpoB	CDS	37241..40453
rpoC_exon1	CDS	40480..40914
rpoC_exon2	CDS	41679..43298
rpoC2	CDS	43507..47598
rps11	CDS	complement(79486..79902)
rps12_exon1	CDS	complement(70068..70181)
rps12_exon2	CDS	complement(96338..96568)
rps12_exon2	CDS	136402..136632
rps12_exon3	CDS	complement(95782..95805)
rps12_exon3	CDS	137165..137188
rps14	CDS	26520..26822
rps15	CDS	complement(119902..120174)
rps18	CDS	68332..68640
rps19	CDS	complement(81844..82122)
rps19	CDS	150848..151126
rps2	CDS	47883..48593
rps3	CDS	35..685
rps4	CDS	18011..18616
rps7	CDS	complement(95260..95727)
rps7	CDS	137243..137710
rps8	CDS	complement(80828..81232)
rrn16	rRNA	98666..100156
rrn16	rRNA	complement(132814..134304)
rrn23	rRNA	102577..105388
rrn23	rRNA	complement(127582..130393)
rrn4.5	rRNA	105499..105602
rrn4.5	rRNA	complement(127368..127471)
rrn5	rRNA	105831..105951
rrn5	rRNA	complement(127019..127139)

trnA-UGC_exon1	tRNA	101535..101572
trnA-UGC_exon1	tRNA	complement(131398..131435)
trnA-UGC_exon2	tRNA	102384..102418
trnA-UGC_exon2	tRNA	complement(130552..130586)
trnC-GCA	tRNA	complement(36166..36236)
trnD-GUC	tRNA	33890..33963
trnE-UUC	tRNA	33212..33284
trnF-GAA	tRNA	complement(15739..15811)
trnfM-CAU	tRNA	26976..27049
trnG-UCC	tRNA	complement(27149..27219)
trnH-GUG	tRNA	complement(2957..3030)
trnI-CAU	tRNA	complement(84410..84483)
trnI-CAU	tRNA	148487..148560
trnI-GAU_exon1	tRNA	100453..100494
trnI-GAU_exon1	tRNA	complement(132476..132517)
trnI-GAU_exon2	tRNA	101436..101472
trnI-GAU_exon2	tRNA	complement(131498..131534)
trnK-UUU_exon1	tRNA	complement(7253..7289)
trnK-UUU_exon2	tRNA	complement(4654..4688)
trnL-CAA	tRNA	complement(92043..92123)
trnL-CAA	tRNA	140847..140927
trnL-UAA_exon1	tRNA	complement(16736..16772)
trnL-UAA_exon2	tRNA	complement(16183..16232)
trnL-UAG	tRNA	110782..110861
trnM-CAU	tRNA	complement(12362..12434)
trnN-GUU	tRNA	complement(106845..106916)
trnN-GUU	tRNA	126054..126125
trnP-UGG	tRNA	67235..67308
trnQ-UUG	tRNA	57220..57291
trnR-ACG	tRNA	106201..106274
trnR-ACG	tRNA	complement(126696..126769)
trnR-UCU	tRNA	complement(54298..54369)
trnS-GCU	tRNA	55782..55869
trnS-GGA	tRNA	complement(18835..18922)
trnS-UGA	tRNA	28479..28571
trnT-GGU	tRNA	complement(32358..32429)
trnT-UGU	tRNA	17664..17736
trnV-GAC	tRNA	98353..98424
trnV-GAC	tRNA	complement(134546..134617)
trnV-UAC_exon1	tRNA	complement(13238..13274)
trnV-UAC_exon2	tRNA	complement(12611..12649)
trnW-CCA	tRNA	complement(66989..67062)
trnY-GUA	tRNA	33353..33436
ycf1	CDS	complement(120539..125221)
ycf2	CDS	84571..91447
ycf2	CDS	complement(141524..148399)
ycf3_exon1	CDS	19178..19303
ycf3_exon2	CDS	19994..20221
ycf3_exon2	CDS	21027..21179
ycf4	CDS	61273..61863