

Supporting Information

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Jemalong A17 F83005.5	GATTGAATAAATTTACAATTATTCAATAAAATCAACTGTGGTGGATCCCTGACAGGATCG GATTGAATAAATTTACAATTATTCAATAAAATCAACTGTGGTGGATCCCTGACAG----- *****
Jemalong A17 F83005.5	ACTATGTGCAGACTGCTGCATTATTTACTACTTAGTCAAACTGCAAGTCTTGAAACAGAG -----CAAGTCTTGAAACAGAG *****
Jemalong A17 F83005.5	CACTTCCCAACTCCATAGATCTCTCCTTCTTTCTTA GT GTTTCGAAACCACAAATC CACTTCCCAACTCCATAGATCTCTCCTTCTTTCTTA C TGTTTCGAAACCACAAATC *****
Jemalong A17 F83005.5	ATTCATCC ATTCATCC *****

Fig. S1. Alignment of 5' UTR region of the resistant and susceptible alleles in Jemalong A17 and F83005.5, respectively.

A17-tv2	ATATGGAAGGTGTTGCTAGTTGTCGATGGTGAATTATAGTTATGAAAGTGGATTG
A17-tv1	ATATGGAAGGTGTTGCTAGTTGTCGATGGTGAATTATAGTTATGAAAGTGGATTG
A17-tv3	ATATGGAAGGTGTTGCTAGTTGTCGATGGTGAATTATAGTTATGAAAGTGGATTG *****
A17-tv2	CAGATTTATGCTTACATTGGTGGCTACTAATGCTCTATTGCTGAGGCATGAGGTTCCA
A17-tv1	CAGATTTATGCTTACATTGGTGGCTACTAATGCTCTATTGCTGAGGCATGAGGTTCCA
A17-tv3	CAGATTTATGCTTACATTGGTGGCTACTAATGCTCTATTGCTGAGGCATGAGGTTCCA *****
A17-tv2	GGGAAAGTTAACGGTACTAGATCTGGTTCACAGAAATCCAACGTGAGTTGACTG--
A17-tv1	GGGAAAGTTAACGGTACTAGATCTGGTTCACAGAAATCCAACGTGAGTTGACTG--
A17-tv3	GGGAAAGTTAACGGTACTAGATCTGGTTCACAGAAATCCAACGTGAGTTGACTG-- *****
A17-tv2	-----
A17-tv1	-----
A17-tv3	AAGCTCGGATCCTAATGCTTAATGGGAGCAAGATAAGGAAACTGATCAACAAATTAAAT
A17-tv2	-----TATACTTCTACAGAAAATTGTCAGATGGAAATCATTGCTGTTAAATGAAGGCA
A17-tv1	-----AAAATTGTCAGATGGAAATCATTGCTGTTAAATGAAGGCA
A17-tv3	ACTAGTATACTTCTACAGAAAATTGTCAGATGGAAATCATTGCTGTTAAATGAAGGCA *****
A17-tv2	TTGAAATGCAGCCAATCTGGAAATTTCAGTATGCTCAAGAAGAATTTCATTGCTCCAA
A17-tv1	TTGAAATGCAGCCAATCTGGAAATTTCAGTATGCTCAAGAAGAATTTCATTGCTCCAA
A17-tv3	TTGAAATGCAGCCAATCTGGAAATTTCAGTATGCTCAAGAAGAATTTCATTGCTCCAA *****
A17-tv2	ACCAATAAACATAACTGTGAGACTTCTAATGTTAGTTAAGTGGATTGTTATTCAAG
A17-tv1	ACCAATAAACATAACTGTGAGACTTCTAATGTTAGTTAAGTGGATTGTTATTCAAG
A17-tv3	ACCAATAAACATAACTGTGAGACTTCTAATGTTAGTTAAGTGGATTGTTATTCAAG *****
A17-tv2	AGCTATGTGAACCTCATGCCACAACAGGGTGCAGCAAGGGAGTGAATATGTACATCTGTA
A17-tv1	AGCTATGTGAACCTCATGCCACAACAGGGTGCAGCAAGGGAGTGAATATGTACATCTGTA
A17-tv3	AGCTATGTGAACCTCATGCCACAACAGGGTGCAGCAAGGGAGTGAATATGTACATCTGTA *****
A17-tv2	GTCGAGGAAAGGCACCTTCAATATCGTTAAGTTGGATATATACATATAAACACCCCATT
A17-tv1	GTCGAGGAAAGGCACCTTCAATATCGTTAAGTTGGATATATACATATAAACACCCCATT
A17-tv3	GTCGAGGAAAGGCACCTTCAATATCGTTAAGTTGGATATATACATATAAACACCCCATT *****
A17-tv2	TGAATGATCCTTAATTGCTCAACAAATGAATGTGATATTTCATCCCCCTCTTAAGCT
A17-tv1	TGAATGATCCTTAATTGCTCAACAAATGAATGTGATATTTCATCCCCCTCTTAAGCT
A17-tv3	TGAATGATCCTTAATTGCTCAACAAATGAATGTGATATTTCATCCCCCTCTTAAGCT *****
A17-tv2	TGTCATCTGCAAAGAAACTTATAATTGGTCAGAGGAAAGCCTACTCAAATGAGCAA
A17-tv1	TGTCATCTGCAAAGAAACTTATAATTGGTCAGAGGAAAGCCTACTCAAATGAGCAA
A17-tv3	TGTCATCTGCAAAGAAACTTATAATTGGTCAGAGGAAAGCCTACTCAAATGAGCAA *****
A17-tv2	GAGAGCCTCTAGTTGATCTTTTTTATTGAGGAAAGGAAGGAGGAAGGAGTG
A17-tv1	GAGAGCCTCTAGTTGATCTTTTTTATTGAGGAAAGGAAGGAGGAAGGAGTG
A17-tv3	GAGAGCCTCTAGTTGATCTTTTTTATTGAGGAAAGGAAGGAGGAAGGAGTG *****
A17-tv2	ATCTTATAATGAAACAAAGTACAAAAAAATGTAAAAATATGTTGAGTTATCGAA
A17-tv1	ATCTTATAATGAAACAAAGTACAAAAAAATGTAAAAATATGTTGAGTTATCGAA
A17-tv3	ATCTTATAATGAAACAAAGTACAAAAAAATGTAAAAATATGTTGAGTTATCGAA *****
A17-tv2	AGTGATGCTATTCTATGACC
A17-tv1	AGTGATGCTATTCTATGACC
A17-tv3	AGTGATGCTATTCTATGACC *****

Fig. S2. Alignment of transcript variants (tv) from the 3' UTR region of the *RCT1* allele in Jemalong A17. tv1 = the regular transcript with an 80-bp intron spliced out; tv2 = the transcript with only 67 bp of the 80-bp intron spliced out; tv3 = the transcript with retention of the 80-bp intron.

JEMALONG A17 F83005.5	ATGTCTTACCCAACAAGTCCCTTCATATGATTACAGAGAAGAAGGACACTGCTTCTT ATGTCTTACCCAACAAGTCCCTTCATATGATTACAGAGAAGAAGGACACTGCTTCTT *****
JEMALONG A17 F83005.5	GATCTGAACCTCACTCCATTGAGAACGATTGGCTCTAACAAAAAGTAT GA CGTGT GATCTGAACCTCACTCCATTGAGAACGATTGGCTCTAACAAAAAGTAT -- CGTGT *****
JEMALONG A17 F83005.5	TTGAGTTCCGAGGAGAAAGACACTCGCGCATCATTCAATTACATCTCACATCATCTCTT TTGAGTTCCGAGGAGAAAGACACTCGCGCATCATTCAATTACATCTCACATCATCTCTT *****
JEMALONG A17 F83005.5	CAGAACGCCGAATCC T CATTTCAGGATGATCAGTCGTTCAAAGAGGAGATCACATA CAGAACGCCGAATC G TCAATTTCAGGATGATCAGTCGTTCAAAGAGGAGATCACATA *****
JEMALONG A17 F83005.5	TCCCCATCGCTAGTTCACGCAATTGAATCTCTAAAATTCTGTATAGTCTC TCCCCATCGCTAGTTCACGCAATTGAATCTCTAAAATTCTGTATAGTCTC *****
JEMALONG A17 F83005.5	AACACTACGCCATTCAAGTGGTGTCTCAAGAGTTGGCAAATAATGGTGC AACACTACGCCATTCAAGTGGTGTCTCAAGAGTTGGCAAATAATGGTGC *****
JEMALONG A17 F83005.5	ACCACAGGCCAGGGTGTACTGCCTGTCTACGATGTCGATC ACCACAGGCCAGGGTGTACTGCCTGTCTACGATGTCGATC *****
JEMALONG A17 F83005.5	CAAACCTGGTAGTTGGTAATCATTTCAATCTATTGAACAGAA CAAACCTGGTAGTTGGTAATCATTTCAATCTATTGAACAGAA *****
JEMALONG A17 F83005.5	AAATGGATGGCCTAGAGTGGAGAAATGAGCTCGTGT AAATGGATGGCCTAGAGTGGAGAAATGAGCTCGTGT *****
JEMALONG A17 F83005.5	GTTGTCCTAAATTCCAGGAACGAAAGTGAGGTTATCAAGG GTTGTCCTAAATTCCAGGAACGAAAGTGAGGTTATCAAGG *****
JEMALONG A17 F83005.5	CGTTTACTGGACAAAGACAGACTTGTGCTGATA CGTTTACTGGACAAAGACAGACTTGTGCTGATA *****
JEMALONG A17 F83005.5	GTGCAAGATATGATTCAACTCTAGACACTCAACAA GTGCAAGATATGATTCAACTCTAGACACTCAACAA *****
JEMALONG A17 F83005.5	ATGTGGGGATGGTGGATTGGAAA ATGTGGGGATGGTGGATTGGAAA *****
JEMALONG A17 F83005.5	GGTCGCAATTGAGGTAGGAGCTTATTGCA GGTCGCAATTGAGGTAGGAGCTTATTGCA *****
JEMALONG A17 F83005.5	TGTGGTCAAGTGAATCTACA TGTGGTCAAGTGAATCTACA *****
JEMALONG A17 F83005.5	AAGATACAGAACGTTGAATCAGGA AAGATACAGAACGTTGAATCAGGA *****
JEMALONG A17 F83005.5	GTACTTCTTGTACTTGACGATGT GTACTTCTTGTACTTGACGATGT *****
JEMALONG A17 F83005.5	TGAAATGGTTGCTCCAGGTAGTAGA TGAAATGGTTGCTCCAGGTAGTAGA *****

Fig. S3. Alignment of coding sequences of resistant and susceptible alleles in Jemalong A17 and F83005.5, respectively.

JEMALONG A17 F83005.5	AGAGGAAATAGGGTTGACAAAATA T ACATAATGAAAGAATGGATGAAAGTGAATCTTT AGAGGAAATAGGGTTGACAAAATA C ACATAATGAAAGAATGGATGAAAGTGAATCTTT *****
JEMALONG A17 F83005.6	GAGCTTTAGTGGCATTCAGCAAGCGAGGCCTAGCAAAGATTTCAGAAATT GAGCTTTAGTGGCATTCAGCAAGCGAGGCCTAGCAAAGATTTCAGAAATT *****
JEMALONG A17 F83005.5	TCCACAAATGTAGTCAGTATTCTGGAGATTGCCCTAGCTCTTGAAGTCCTTGGTCC TCCACAAATGTAGTCAGTATTCTGGAGATTGCCCTAGCTCTTGAAGTCCTTGGTCC *****
JEMALONG A17 F83005.5	TATTTGTTGATAGGGAGGTAACAGAGTGGATTGTGTATTGGAGAAACTCAAAGAATT TATTTGTTGATAGGGAGGTAACAGAGTGGATTGTGTATTGGAGAAACTCAAAGAATT *****
JEMALONG A17 F83005.5	CCCAATGATCAAGTACATCAGAAGTAAAATAAGCTACGATGGCTTAAATGATGATACA CCCAATGATCAAGTACATCAGAAGTAAAATAAGCTACGATGGCTTAAATGATGATACA *****
JEMALONG A17 F83005.5	GAGAAATCAATTCCTTGACATTGCTTCTTTATTGGATGGATCGAAATGATGTC GAGAAATCAATTCCTTGACATTGCTTCTTTATTGGATGGATCGAAATGATGTC *****
JEMALONG A17 F83005.5	ATTCAATATTAATGGTCTGGATTTCAGAAATTGGAATAAGTGCCTTGTGAG ATTCAATATTAATGGTCTGGATTTCAGAAATTGGAATAAGTGCCTTGTGAG *****
JEMALONG A17 F83005.5	AGAACGCCTTGAAACGGTTGATGATAAGAACAGCTGGCATGATGATTGCTGCGAGAT AGAACGCCTTGAAACGGTTGATGATAAGAACAGCTGGCATGATGATTGCTGCGAGAT *****
JEMALONG A17 F83005.5	ATGGGAAGGGAAATCATTGAGAAATCAGCAATGGAGCCTGAGGAACGTTAGTAGGTG ATGGGAAGGGAAATCATTGAGAAATCAGCAATGGAGCCTGAGGAACGTTAGTAGGTG *****
JEMALONG A17 F83005.5	TGGTTTCATGATGATGTTGATGTATTGTCAGAACATACTGGAACAAAAGCTGTTGAG TGGTTTCATGATGATGTTGATGTATTGTCAGAACATACTGGAACAAAAGCTGTTGAG *****
JEMALONG A17 F83005.5	GGACTGACTTTGAAGATGCCATGTCATAGTCACAACGATTAGTACTAAACATTGAG GGACTGACTTTGAAGATGCCATGTCATAGTCACAACGATTAGTACTAAACATTGAG *****
JEMALONG A17 F83005.5	AACATGAAGAAACTCAGATT G CTGCAACTTCTGGTGTACAACCTGATGGAGATTAAA AACATGAAGAAACTCAGATT A CTGCAACTTCTGGTGTACAACCTGATGGAGATTAAA *****
JEMALONG A17 F83005.5	TATATTCAGAAATTAAAAAGGCTGCAGTGGAAATGGATTTCTTAAGATGCATAACCT TATATTCAGAAATTAAAAAGGCTGCAGTGGAAATGGATTTCTTAAGATGCATAACCT *****
JEMALONG A17 F83005.5	TCAAACTTCTATCAAAGAAATATAAGTTCCATTGAGTTAGAAAACAGCAATGCTAAACCT TCAAACTTCTATCAAAGAAATATAAGTTCCATTGAGTTAGAAAACAGCAATGCTAAACCT *****
JEMALONG A17 F83005.5	GTGTGGAAAGAGATTTCAGAGGATGGAGCAGCTGAAGATTCTAAATCTTAGTCATTCTCAT GTGTGGAAAGAGATTTCAGAGGATGGAGCAGCTGAAGATTCTAAATCTTAGTCATTCTCAT *****
JEMALONG A17 F83005.5	CATTGACACAGACCCCTGACTTTCTACACTTGCTTAATCTGAAAAGCTAGTGCTCGAA CATTGACACAGACCCCTGACTTTCTACACTTGCTTAATCTGAAAAGCTAGTGCTCGAA *****
JEMALONG A17 F83005.5	GATTGCCAAGGCTGTCT C AGGTTCCCATAGCATGGACATCTCAAAAAGTTGTTTG GATTGCCAAGGCTGTCT G AGGTTCCCATAGCATGGACATCTCAAAAAGTTGTTTG *****
JEMALONG A17 F83005.5	ATAAAATTGAAAGATTGTATTAGCCTTGTAGCCTTCCAAGAACATCTACGTTGAAA ATAAAATTGAAAGATTGTATTAGCCTTGTAGCCTTCCAAGAACATCTACGTTGAAA *****

Fig. S3. Continued.

JEMALONG A17 F83005.5	ACTCTGAA T ACTCTCATCTATC G GGATGTTAATGATTGACAAGTTGGAAGAGGACTTG ACTCTGAA A ACTCTCATCTATC T GGATGTTAATGATTGACAAGTTGGAAGAGGACTTG *****
JEMALONG A17 F83005.5	GAACAAATGGAATCTTAACCACCCGTGATTGCAAATA A TACTGGTATAACAAAAGTTCCC GAACAAATGGAATCTTAACCACCCGTGATTGCAAATA A CACTGGTATAACAAAAGTTCCC *****
JEMALONG A17 F83005.5	TTTC T AGTAAGGTAAAAAGCATTGGATTATTCTCTGTGATGAGGATT TTTC G AGTAAGGTAAAAAGCATTGGATTATTCTCTGTGATGAGGATT *****
JEMALONG A17 F83005.5	TCACGTGATGTTCCCTCATTT G GCTTGGATGTCACCAAATAATCTGTCA TCACGTGATGTTCCCTCATTT T GCTTGGATGTCACCAAATAATCTGTCA *****
JEMALONG A17 F83005.5	GCTTTCAACAGCTTCTCACATGTCATCCCTTGTGCTTAGAGGCATCAACTTGATT GCTTTCAACAGCTTCTCACATGTCATCCCTTGTGCTTAGAGGCATCAACTTGATT *****
JEMALONG A17 F83005.5	TTCCACGATCTATCATCTATTCCATTGCTCCTTCAAAGCTCAAAGCCTTGGCTGAC A TTCCACGATCTATCATCTATTCCATTGCTCCTTCAAAGCTCAAAGCCTTGGCTGAC G *****
JEMALONG A17 F83005.5	TGTGGATCAGAACCTCAACTATCACAAGATGCAACACGAATTGGAATGCTTAAGTGT TGTGGATCAGAACCTCAACTATCACAAGATGCAACACGAATTGGAATGCTTAAGTGT *****
JEMALONG A17 F83005.5	GCAAGTTCTATGGAATTGGAATCAACTGCAACTAC A TACAAGTACCAAGATGTGAATTCA GCAAGTTCTATGGAATTGGAATCAACTGCAACTAC G TACAAGTACCAAGATGTGAATTCA *****
JEMALONG A17 F83005.5	TTAATTGAATGTCGCAGTCAGTGAAGATTCAACCACCTCCAAATTCCATGAAATCTCTT TTAATTGAATGTCGCAGTCAGTGAAGATTCAACCACCTCCAAATTCCATGAAATCTCTT *****
JEMALONG A17 F83005.5	TTATTC A ATGGAATGAACCTCCCTAATCACCAATTCTGAAAGAGAGGATCTTACAG TTATTC A ATGGAATGAACCTCCCTAATCACCAATTCTGAAAGAGAGGATCTTACAG *****
JEMALONG A17 F83005.5	AATTGACTATCGATGAGCATGGCTTTCACTCCCTGTGATAATTACCCGGATTGG AATTGACTATCGATGAGCATGGCTTTCACTCCCTGTGATAATTACCCGGATTGG *****
JEMALONG A17 F83005.5	TTAGCTTC A ATCAGAACAGTTCTCTGTAAATTGGAAGTCCCTCAAGTGGAAAGGACGT TTAGCTTC A ATCAGAACAGTTCTCTGTAAATTGGAAGTCCCTCAAGTGGAAAGGACGT *****
JEMALONG A17 F83005.5	AGCTTGAA A ATAATGTGCATTGTCTATTCTCAAGGCCATA C GACATAACATCAGAT AGCTTGAA A ATAATGTGCATTGTCTATTCTCAAGGCCATA T GACATAACATCAGAT *****
JEMALONG A17 F83005.5	GGCCTGAAAATGTGTTAGTGATAAAATCACACAAAGACCACCACTCAACTCTATAAGAGA GGCCTGAAAATGTGTTAGTGATAAAATCACACAAAGACCACCACTCAACTCTATAAGAGA *****
JEMALONG A17 F83005.5	GA A GCATTATCCTC T GA A ATGAGGAGTGGCAGAGAGTGT A CAAATATGGAACCT GA G GCATTATCCTC T GA A ATGAGGAGTGGCAGAGAGTGT T CAAATATGGAACCT ***
JEMALONG A17 F83005.5	GGTGACAA GG TGGAGATTGTT G GT C TTTGGAACAGTTCAATTGTGATGAAGACAGCA GGTGACAA AG TGGAGATTGTT G GT T GGAACAGTTCAATTGTGATGAAGACAGCA *****
JEMALONG A17 F83005.5	GT T TATCTCATATATGATGAACCAGTC G TGCAAATATTGGACATGTCA GT T TATCTCATATATGATGAACCAGTC G TGCAAATATTGGACATGTCA *****

Fig. S3. Continued.

JEMALONG A17 AAGAATGTTCTTGTGATATCGGTGATGAAAATGAATGTGCTGCCATGAGGATCTCTCGC
F83005.5 AAGAATGTTCTTGC~~T~~GATATCGGTGATGAAAATGAATGTGCTGCCATGAGGATCTCTCGC

JEMALONG A17 CAAGTAGAGCCTACAGATGATTTGAACAAAAACAGAAAAGAAGAAAAT~~CGACTGA~~
F83005.5 CAAGTAGAGCCTACAGATGATTTGAACAAAAACAGAAAAGAAGAAAAT~~TGATG~~A

Fig. S3. Continued.

F83005.5-tv1	ATATGGAAGGTGTTGCTAGTGTGGCTGATTGGTGAATTATAGTTATGACAGTGGATTG
F83005.5-tv2	ATATGGAAGGTGTTGCTAGTGTGGCTGATTGGTGAATTATAGTTATGACAGTGGATTG
<hr/>	
F83005.5-tv1	CAGATTTATGCTTACATTGGTGGTTACTAATGCTCTATTGCTGAGGCATGAGGTGCCA
F83005.5-tv2	CAGATTTATGCTTACATTGGTGGTTACTAATGCTCTATTGCTGAGGCATGAGGTGCCA
<hr/>	
F83005.5-tv1	GGGAAAGTTAACGGTACTTAGATCTGGTTTCACAGAAATCCAACTTGAGTTGACTG--
F83005.5-tv2	GGGAAAGTTAACGGTACTTAGATCTGGTTTCACAGAAATCCAACTTGAGTTGACTGGT
<hr/>	
F83005.5-tv1	AAGCTCGGATCCTAATGCTTAATGGGAGTAAGATAAGGAAACTGATCAACAAATTAAAT
F83005.5-tv2	<hr/>
F83005.5-tv1	-----AAAATTGTCAGATGGAAATCATTCAATGTTAAATGAAGGCA
F83005.5-tv2	ACTAGTATACTTCTACAGAAAATTGTCAGATGGAAATCATTCAATGTTAAATGAAGGCA
<hr/>	
F83005.5-tv1	TTGAAATGCAGCCAATCTGGAAATTTCAGTATGCTCAAGAAGAATTCAATTGCTCCAA
F83005.5-tv2	TTGAAATGCAGCCAATCTGGAAATTTCAGTATGCTCAAGAAGAATTCAATTGCTCCAA
<hr/>	
F83005.5-tv1	ACCAATAAACATAAACTGTGAGACTTCTAACGTTGGTTAACGTTGGATTGTTATTCAAG
F83005.5-tv2	ACCAATAAACATAAACTGTGAGACTTCTAACGTTGGTTAACGTTGGATTGTTATTCAAG
<hr/>	
F83005.5-tv1	AGCTATGTGAACCTCATGCCACAACAGGGTGCCTAACAGGGAGTGAATATGTACATCTGTA
F83005.5-tv2	AGCTATGTGAACCTCATGCCACAACAGGGTGCCTAACAGGGAGTGAATATGTACATCTGTA
<hr/>	
F83005.5-tv1	GTCGAGGAAAGGCACCTCAATGTAACACCCCTACTAGAAATTACCTAGGATATCTAGCA
F83005.5-tv2	GTCGAGGAAAGGCACCTCAATGTAACACCCCTACTAGAAATTACCTAGGATATCTAGCA
<hr/>	
F83005.5-tv1	TGAGTGTAAACTGGCAATGGATACATTAAAATTACTACAATAAAATTCCCTCTGAAT
F83005.5-tv2	TGAGTGTAAACTGGCAATGGATACATTAAAATTACTACAATAAAATTCCCTCTGAAT
<hr/>	
F83005.5-tv1	AAGATACAAAATTCTCGTC
F83005.5-tv2	AAGATACAAAATTCTCGTC
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Fig. S4. Sequence polymorphisms between resistant and susceptible alleles in Jemalong A17 and F83005.5, respectively. The 299-bp 3' end of *RCT1* cDNAs and the 119-bp 3' end of the *rct1* cDNAs are not shared and thus not included in the alignment.

F83005.5-tv1 JEMALONG A17-tv1	ATATGGAAGGTGTTGCTAGTGTGGCTGATTGGTGAATTATAGTTATGA C AGTGGATTG ATATGGAAGGTGTTGCTAGTGTGGCTGATTGGTGAATTATAGTTATGA A AGTGGATTG *****
F83005.5-tv1 JEMALONG A17-tv1	CAGATTTATGCTTACATTGGTGG T TACTAATGCTCTATTGCTGAGGCATGAGGT GCCA CAGATTTATGCTTACATTGGTGG C TACTAATGCTCTATTGCTGAGGCATGAGGT TCCA *****
F83005.5-tv1 JEMALONG A17-tv1	GGGAAAGTTAACGTTGACTTAGATCTGGTTCACAGAAATCCAACTTGAGTTGACTGAA GGGAAAGTTAACGTTGACTTAGATCTGGTTCACAGAAATCCAACTTGAGTTGACTGAA *****
F83005.5-tv1 JEMALONG A17-tv1	AATTGTCAGATGGAAATCATTCATGTTTAAATGAAGGCATTGAAATGCAGCCAATCTTG AATTGTCAGATGGAAATCATTCATGTTTAAATGAAGGCATTGAAATGCAGCCAATCTTG *****
F83005.5-tv1 JEMALONG A17-tv1	GAAATTCAGTATGCTCAAGAAGAACATTGCTCCAAACCAATAAACATAAACTGTG GAAATTCAGTATGCTCAAGAAGAACATTGCTCCAAACCAATAAACATAAACTGTG *****
F83005.5-tv1 JEMALONG A17-tv1	AGACTTCTAACGTT G GTTAACGTTGATTGTTATTCAAGAGCTATGTGAACCTCATGCC AGACTTCTAACGTT A GTTAACGTTGATTGTTATTCAAGAGCTATGTGAACCTCATGCC *****
F83005.5-tv1 JEMALONG A17-tv1	ACAACAGGGTGC GA AGGGAGTGAATATGTACATCTTGAGTCGAGGAAAGGCACCTCA ACAACAGGGTGC GA AGGGAGTGAATATGTACATCTTGAGTCGAGGAAAGGCACCTCA *****
F83005.5-tv1 JEMALONG A17-tv1	AT AT **

Fig. 55. Alignment of transcript variants (tv) from the 3' UTR region of the *rct1* allele in F83.005.5. tv1 = the regular transcript with an 80-bp intron spliced out; tv2 = the transcript with retention of the 80-bp intron.