

## TG221, 101.00 cM, Chromosome 6

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July 25, 2007

Primer Name	Primer Sequence (5'-3')
CMTG221-F2	CAGTATGCTTCACCGAATGGG
CMTG221-R1	GAGCCTCTTCATTCCAAGTTTTCTAC

HUJ-VF\_CMTG221F2-R1: 405 bp;

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1      CAGTATGCTT CACCGAATGG GAGACATAAC TCAGTAAATT GAAGTTGATA CAAGATTTAT
61     GATGTTGATT TGTTGGCCAT TAGTTTATCT GTTGGGGGAA ATAAACCTAA CATATGAATT
121    ACGAAGCGTT TTCTCTAGTG CACAGTTGCT TGGTGTGGAT TATAGGTTGG TTGGTTGGTT
181    GAACTACAGT TGC GTTGTG GAGTAAATT CTAGATATTG TGGAATCTCT TTTAAAAACT
241    TTTTACTCCT AATCTCAATT TCTGGACATG AGACTAACAA TCGTCTTTGT TCTCTAGTGT
301    TGTGATAAAC TTA AAAATAT GTTGTATGCG CATGAAGAGT AAAAGTAGTT AACAGAGAAG
361    TGAAAAGGAA GGAAGCAAAG TAGAAA ACTT GGAATGAAGA GGCTC
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Gc171\_CMTG221F2-R1: 405 bp;

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1      CAGTATGCTT CACCGAATGG GAGACATAAC TCAGTAAATT GAAGTTGATA CAAGATTTAT
61     GATGTTGATT TGTTGGCCAT TAGTTTATCT GTTGGGGGAA ATAAACCTAA CATATGAATT
121    ACGAAGCGTT TTCTCTAGTG CACAGTTGCT TGGTGTGGAT TATAGGTTGG TTGGTTGGTT
181    GAACTACAGT TGC GTTGTG GAGTAAATT CTAGATATTG TGGAATCTCT TTTAAAAACT
241    TTTTACTCCT AATCTCAATT TCTGGACATG AGACTAACAA TCGTCTTTGT TCTCTAGTGT
301    TGTGATAAAC TTA AAAATAT GTTGTATGCG CATGAAGAGT AAAAGTAGTT AACAGAGAAG
361    TGAAAAGGAA GGAAGCAAAG TAGAAA ACTT GGAATGAAGA GGCTC
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### Summary

Excellent sequence was obtained for both the forward and reverse primers with HUJBF and Gc171. Upon alignment, HUJBF matched Gc171 identically. Therefore, Gc171 has no introgression from a wild species in this region of chromosome 6. In addition, this area is not the location of the Ty4 gene.