

TG253, 55.0cM, Chromosome 6

Christopher Martin and Douglas Maxwell, University of Wisconsin Madison

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Primer Name	Primer Sequence (5'-3')
CMTG253-F1	GTGCTGGTGTGGTGCTAAATGTG
CMTG253-R1	GTCCTACAGTGTGCGAGCG

HUJ-VF_CMTG253F1-R1: 747 bp;

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1      GTGCTGGTGT  GGTGCTAAAT  GTGTGATAAT  ATTTAATACT  CATAACAAAT  AATTAAAAGA
61     GGAGAAAAAG  TTCAAAATAG  TCTCTTTATC  TTCTATTAAG  AATTAAAATC  ATATTTGAAT
121    TCTCACACAA  ATTATAATAG  TTCCTCATGT  TTACATTTTA  GGTCAATTTT  CAAATTCTTT
181    CTTATTTTGT  AATATTATTT  TTATTCATAA  TTTATGTATA  GAATTTAATT  TTTATTTTTT
241    TATATATATT  TAGTAGAAAT  AATAGCTTCA  TGTAAGAAA  GGAACATTTT  ATTTTATTGT
301    ACATTTTTAC  AGTTAAAATC  AAGAGATTTA  TTTATCGTTG  TCACGTGCAA  TTGTACATTT
361    TTTCTTTTCT  TGCAAAGTCA  AATGTTAAAG  TGTTTTCAGT  TTAGCCGTAT  TAATATTACT
421    ATCAAACAAA  ATAAGATTTT  CTTCACACCT  TCTCTTACAT  TGAGTATTAT  TTCTATCAAA
481    AATATTTTTA  AAAATTTTTA  ACGTTCTACA  CATAAAATTA  TAGATAAAAT  GAATATTTAA
541    AAATAGGCCG  GAGTTTGAGA  GAGAATAAAA  TATGTATGAA  TATTACAATA  TATGAAGGAT
601    CATGATATAA  AAGTTTAAGA  ATGACTTTGA  GGTTGAACCT  AAAGATTAAA  ACTATTTTAG
661    ATTTTTTCCT  AATGAAAGAG  ATAGTCAAAC  TTGAAAATCG  GTTTTAATTT  TGGTCATAGT
721    CAAATAAATC  GCTCGACACT  GTAGGAC
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Gc171 CMTG253F1-R1: 747 bp;

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1      GTGCTGGTGT  GGTGCTAAAT  GTGTGATAAT  ATTTAATACT  CATAACAAAT  AATTAAAAGA
61     GGAGAAAAAG  TTCAAAATAG  TCTCTTTATC  TTCTATTAAG  AATTAAAATC  ATATTTGAAT
121    TCTCACACAA  ATTATAATAG  TTCCTCATGT  TTACATTTTA  GGTCAATTTT  CAAATTCTTT
181    CTTATTTTGT  AATATTATTT  TTATTCATAA  TTTATGTATA  GAATTTAATT  TTTATTTTTT
241    TATATATATT  TAGTAGAAAT  AATAGCTTCA  TGTAAGAAA  GGAACATTTT  ATTTTATTGT
301    ACATTTTTAC  AGTTAAAATC  AAGAGATTTA  TTTATCGTTG  TCACGTGCAA  TTGTACATTT
361    TTTCTTTTCT  TGCAAAGTCA  AATGTTAAAG  TGTTTTCAGT  TTAGCCGTAT  TAATATTACT
421    ATCAAACAAA  ATAAGATTTT  CTTCACACCT  TCTCTTACAT  TGAGTATTAT  TTCTATCAAA
481    AATATTTTTA  AAAATTTTTA  ACGTTCTACA  CATAAAATTA  TAGATAAAAT  GAATATTTAA
541    AAATAGGCCG  GAGTTTGAGA  GAGAATAAAA  TATGTATGAA  TATTACAATA  TATGAAGGAT
601    CATGATATAA  AAGTTTAAGA  ATGACTTTGA  GGTTGAACCT  AAAGATTAAA  ACTATTTTAG
661    ATTTTTTCCT  AATGAAAGAG  ATAGTCAAAC  TTGAAAATCG  GTTTTAATTT  TGGTCATAGT
721    CAAATAAATC  GCTCGACACT  GTAGGAC
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Summary

Excellent sequence was obtained with both the forward and reverse primers for HUBJF 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.