

## TG73, 43.3cM, Chromosome 6

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Primer Name	Primer Sequence (5'-3')
CMTG73-F1	GCTGCAGAGCTCTCTCAATGGG
CMTG73-R2	CTGAAACGGGTGTACCTCTTTAG

Gc171\_CMTG73F1-R2: 418 bp;

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1      GCTGCAGAGC TCTCTCAATG GCGCACTTTG GAAATATAGC TTCAGAATTA GTGAATTTTA
61     TAGATATTAA CAAGTTAAAG ACCTTGACTA GTATGAGTCC AAACGATTAT TGATGTAGAT
121    AGAAATGACA AAGTTGAAAC TTTCAAAGTG CAGTCAATGC TACAAGTCTT TATTTTATTA
181    TCTGTACGCT CCATGATTGA GTAAAATGCC TTTTACTTTT ATTATATCAA TTGATTATAA
241    TAAGTTTACG CGTGGGTAAA TATTTACCCA AGTAGTACGA GCTATTGTGT CTCAGCTTAT
301    TTTCTTATTA AGATTTAATG ATTTAAATAT TTAAGACTTA TATCATTGAA CCCATTACGT
361    CTTTAAAATA ATGGGTTCAT ATTTATTGTT TATTTCAATT TTAGAGAATT TTTACACA
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HUJ-VF CMTG73F1-R2: 487 bp;

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1      GCTGCAGAGC TCTCTCAATG GCGCACTTTG GAAATATAGC TTCAGAATTA GTGAATTTTA
61     TAGATATTAA CAAGTTAAAG ACCTTGACTA GTATGAGTCC AAACGATTAT TGATGTAGAT
121    AGAAATGACA AAGTTGAAAC TTTCAAAGTG CAGTCAATGC TACAAGTCTT TATTTTATTA
181    TCTGTACGCT CCATGATTGA GTAAAATGCC TTTTACTTTT ATTATATCAA TTGATTATAA
241    TAAGTTTACG CGTGGGTAAA TATTTACCCA AGTAGTACGA GCTATTGTGT CTCAGCTTAT
301    TTTCTTATTA AGATTTAATG ATTTAAATAT TTAAGACTTA TATCATTGAA CCCATTACGT
361    CTTTAAAATA ATGGGTTCAT ATTTATTGTT TATTTCAATT TTAGAGAATT TTTACACATA
421    TTTGTGCACC GCATAAAATA TACTGGATGA AGATGAACCC GATACTAAAG AGGTACACCC
481    GTTTCAG
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### Summary

Partial sequence was obtained for all tested samples with both the forward and reverse primers. Upon alignment, HUJBF and Gc171 sequences matched 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.