

**LE\_HBa0107A05\_SP6\_266924, 3cM**  
**These Primers Were Designed From the SP6 BAC End**

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Primer Name	Sequence (5'-3')
CM-1F1	GAAGGATTTAAGAGTGTAGGAAC
CM-1R1	GCGGTTTGATTTCGATTTTGTAC

Gc143-2 Sequence\_CM1F1-R1: 497 bp;

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1      GAAGGATTTA AGAGTGTAGG AACTACGTCT TGAGCGTGAA AATCCTTTTA GGATATATGT
61     AATGTCATGG CTTAAACTTA GGAAAAAATG AAAAAAAAAA ACAATCTCAA TTTAAAAACT
121    GTTAGAAACC TTCCACGAGG TCATTTACAG TCCGTGGTTT GACCTACGGA CTGTAAATTC
181    CATCCGTGAA AGTTAGACTG AAATTTGAGT TTGAGAATTT CATTCTACGG GCCCAAATAT
241    AGCTTTATAT TCATCTTGGT GTTCAATATA TATATAAGTA GATATGGAAC AATGACTTAT
301    TGAGTCTTTG GTTAATTATG TGTAAGTTT GGACCAAGAG TCGTAGTTAG CTAGCAATTG
361    TTTTCGTTTT TGTTGTTAAT ATTGGGAAGA ATATAGGTTA TACATAATTT GTGTATATTT
421    TGGTCATTCC ATCTACCCAA ATTTTTGTTG TTTATGTTGT TTTAGAAGTA GGGGTGTACA
481    AAATCGAATC AAACCGC
  
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Gc9 Sequence\_CM1F1-R1: 497 bp;

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1      GAAGGATTTA AGAGTGTAGG AACTACGTCT TGAGCGTGAA AATCCTTTTA GGATATATGT
61     AATGTCATGG CTTAAACTTA GGAAAAAATG AAAAAAAAAA ACAATCTCAA TTTAAAAACT
121    GTTAGAAACC TTCCACGAGG TCATTTACAG TCCGTGGTTT GACCTACGGA CTGTAAATTC
181    CATCCGTGAA AGTTAGACTG AAATTTGAGT TTGAGAATTT CATTCTACGG GCCCAAATAT
241    AGCTTTATAT TCATCTTGGT GTTCAATATA TATATAAGTA GATATGGAAC AATGACTTAT
301    TGAGTCTTTG GTTAATTATG TGTAAGTTT GGACCAAGAG TCGTAGTTAG CTAGCAATTG
361    TTTTCGTTTT TGTTGTTAAT ATTGGGAAGA ATATAGGTTA TACATAATTT GTGTATATTT
421    TGGTCATTCC ATCTACCCAA ATTTTTGTTG TTTATGTTGT TTTAGAAGTA GGGGTGTACA
481    AAATCGAATC AAACCGC
  
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HUJ-VF Sequence\_CM1F1-R1: 497 bp;

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1      GAAGGATTTA AGAGTGTAGG AACTACGTCT TGAGCGTGAA AATCCTTTTA GGATATATGT
61     AATGTCATGG CTTAAACTTA GGAAAAAATG AAAAAAAAAA ACAATCTCAA TTTAAAAACT
121    GTTAGAAACC TTCCACGAGG TCATTTACAG TCCGTGGTTT GACCTACGGA CTGTAAATTC
181    CATCCGTGAA AGTTAGACTG AAATTTGAGT TTGAGAATTT CATTCTACGG GCCCAAATAT
241    AGCTTTATAT TCATCTTGGT GTTCAATATA TATATAAGTA GATATGGAAC AATGACTTAT
301    TGAGTCTTTG GTTAATTATG TGTAAGTTT GGACCAAGAG TCGTAGTTAG CTAGCAATTG
361    TTTTCGTTTT TGTTGTTAAT ATTGGGAAGA ATATAGGTTA TACATAATTT GTGTATATTT
421    TGGTCATTCC ATCTACCCAA ATTTTTGTTG TTTATGTTGT TTTAGAAGTA GGGGTGTACA
481    AAATCGAATC AAACCGC
  
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**Summary**

Upon alignment, all tested samples matched identically. Therefore, the breeding lines do not contain an introgression from a wild species at this location and a marker for the TY-1 gene cannot be found at this location on chromosome 6.