

## LE\_HBa0118F10, 5 cM, Chromosome 6

Note: These primers were designed from the T7 BAC end.

Christopher Martin and Douglas Maxwell, University of Wisconsin Madison

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Primer Name	Sequence (5'-3')
CM7-F1	CCAGTTGAGAGCAAGTCATTG
CM7-R1	GAATCTAACATAGGAAGTATGACG

### Gc43 complete sequence\_CM7F2-R2: 407 bp;

```
1    GAACAGAGGT CTCATTGTTG TGAACTCTCT CAAGAAACCG GTTGAGAGAA AGTCATTGAC
61   AACTGATAAA ATAATTGTAG GTTTTGAGGA GGAGACAAAC TTGATACTTA GAAAGCTCAC
121  CAATGGACCG GCAGATCTAG ATGTCATTTT GATCATTGGT ATGCCTGGTT CAGGTAAAAC
181  TACTTTGGCG TACAAAGTAT ACAGTGATAA ATCAGTTTCT AACCATTTTC ACCTTCGTGC
241  ATGGTGCACG GTCGACCAAG GATATGACGA GAAGAAGTTG CTGGATAAAA TTTTCAATCA
301  AGTTAGTGAC TCAAATTCAA AATTGAGTGA GAATATTGAT GTTGCTGATA AGCTACGGAA
361  ACAACTATAC GGAAAGAGGT ATCTTATTGT CTTAGATGAC GTGTGGG
```

### Gc9 complete sequence\_CM7F2-R2: 407 bp;

```
1    GAACAGAGGT CTCATTGTTG TGAACTCTCT CAAGAAACCG GTTGAGAGAA AGTCATTGAC
61   AACTGATAAA ATAATTGTAG GTTTTGAGGA GGAGACAAAC TTGATACTTA GAAAGCTCAC
121  CAATGGACCG GCAGATCTAG ATGTCATTTT GATCATTGGT ATGCCTGGTT CAGGTAAAAC
181  TACTTTGGCG TACAAAGTAT ACAGTGATAA ATCAGTTTCT AACCATTTTC ACCTTCGTGC
241  ATGGTGCACG GTCGACCAAG GATATGACGA GAAGAAGTTG CTGGATAAAA TTTTCAATCA
301  AGTTAGTGAC TCAAATTCAA AATTGAGTGA GAATATTGAT GTTGCTGATA AGCTACGGAA
361  ACAACTATAC GGAAAGAGGT ATCTTATTGT CTTAGATGAC GTGTGGG
```

### Gc143-2 complete sequence\_CM7F2-R2: 407 bp;

```
1    GAACAGAGGT CTCATTGTTG TGAACTCTCT CAAGAAACCG GTTGAGAGAA AGTCATTGAC
61   AACTGATAAA ATAATTGTAG GTTTTGAGGA GGAGACAAAC TTGATACTTA GAAAGCTCAC
121  CAATGGACCG GCAGATCTAG ATGTCATTTT GATCATTGGT ATGCCTGGTT CAGGTAAAAC
181  TACTTTGGCG TACAAAGTAT ACAGTGATAA ATCAGTTTCT AACCATTTTC ACCTTCGTGC
241  ATGGTGCACG GTCGACCAAG GATATGACGA GAAGAAGTTG CTGGATAAAA TTTTCAATCA
301  AGTTAGTGAC TCAAATTCAA AATTGAGTGA GAATATTGAT GTTGCTGATA AGCTACGGAA
361  ACAACTATAC GGAAAGAGGT ATCTTATTGT CTTAGATGAC GTGTGGG
```

### Heinz 1706 complete sequence from SGN website\_CM7F2-R2: 407 bp;

```
1    GAACAGAGGT CTCATTGTTG TGACCTCTCC CAAGAAACCA GTTGAGAGCA AGTCATTGAC
61   AACTGATAAA ATAGTTGTAG GTTTTGAGGA GGAGACAAA TGGATACTTA GAAAGCTCAC
121  TAGTGGACCT ACAGATCTAG ATGTCATTTT GATCACTGGT ATGCCGGGTT CAGGTAAAAC
181  TACTTTGGCA TACAAAGTAT ACAATGATAA ATCAGTTTCT AGCCATTTTC ACCTTCATGC
241  ATGGTGCACG GTCGACCAAG GATGTGATGA GAAGAAGTTG TTGAATAAAA TTTTCAAACA
301  AGTTAGTGAC TCAGATTCAA ATTTTTTTGA GGATATTGAT GTTGCTGATA AGCTACGGAA
361  ACAACTGTAT GGAAAGAGGT ATCTTATTGT CTTAGATGAC GTGTGGG
```

## Conclusions

Complete sequence was obtained for Gc9, Gc43, and Gc143-2 with standard sequence methods. The Heinz 1706 sequence was downloaded from the SGN website <http://www.sgn.cornell.edu/>. Upon alignment Gc9, Gc43, and Gc143-2 all matched identically. Heinz 1706 differed by 30 SNP.