

**Fig. S7. Information on the polymorphic site YM23 - Pos 4161**

(a) Sequence alignment (HT1,2,3,4,5,6; HTPrz1; HTPrz2; Reference from BAC clone E) with primer positions underlined. Positions identical to the sequence in the first row are represented with a hyphen. The mutation leading to HTPrz2 is marked. (b) PCR products amplified from male (m) and female (f) genomic DNA and a no-template-control (-). (c) Capillary sequence traces of the confirmed mutations in HT1,2,3,4,5,6 and HTPrz1 and HTPrz2 respectively.

<b>A</b>	YM23_HT1/2/3/4/5/6	TTTCGGATTG	ATGATCTCAT	<u>GGAGCCTTCA</u>	<u>CCATCTTGTC</u>	<u>CACTTCGGCA</u>	GAGAGACTAC	3840
	YM23_HT1Prz2	-----	-----	-----	-----	-----	-----	
	YM23_HT1Prz1	-----	-----	-----	-----	-----	-----	
	YM23-BACcontig	-----	-----	-----	-----	-----	-----	
	YM23_HT1/2/3/4/5/6	AGACCCCTTT	ACTGAGGAGA	AAAGTGAGAC	ACCTTTCATA	GCGATATCCT	AATCTGCAAT	3900
	YM23_HT1Prz2	-----	-----	-----	-----	-----	-----	
	YM23_HT1Prz1	-----	-----	-----	-----	-----	-----	
YM23-BACcontig	-----	-----	-----	-----	-----	-----		
YM23_HT1/2/3/4/5/6	CTGCGTGCCT	TTAAACGGCA	ACACCTCCCA	CGCAGTCTTA	CCCTTCCACC	TAGCTTCAGG	3960	
YM23_HT1Prz2	-----	-----	-----	-----	-----	-----		
YM23_HT1Prz1	-----	-----	-----	-----	-----	-----		
YM23-BACcontig	-----	-----	-----	-----	-----	-----		
YM23_HT1/2/3/4/5/6	AACTCAGTCT	TCCCTGCTAG	CCCTTGGGGT	TCTGAGCTTG	CCTCCCTCAGA	AGAGATAGGA	4020	
YM23_HT1Prz2	-----	-----	-----	-----	-----	-----		
YM23_HT1Prz1	-----	-----	-----	-----	-----	-----		
YM23-BACcontig	-----	-----	-----	-----	-----	-----		
YM23_HT1/2/3/4/5/6	CCTTGCCCTT	AGGTTTCCCG	CTCCCGCCTG	CTAGACCCGC	CGGTGCCCAG	CCCCCGGAGT	4080	
YM23_HT1Prz2	-----	-----	-----	-----	-----	-----		
YM23_HT1Prz1	-----	-----	-----	-----	-----	-----		
YM23-BACcontig	-----	-----	-----	-----	-----	-----		
YM23_HT1/2/3/4/5/6	CCTGGTGAAT	GAGCTACAGA	GGCTCCAGGG	AATTGAACTG	CGGCGAAAGC	AGGTACACGT	4140	
YM23_HT1Prz2	-----	-----	-----	-----	-----	-----		
YM23_HT1Prz1	-----	-----	-----	-----	-----	-----		
YM23-BACcontig	-----	-----	-----	-----	-----	-----		
YM23_HT1/2/3/4/5/6	CCCACGTGGA	ACACAGATTT	<u>GCAGACCTTC</u>	<u>TGCGACGAAA</u>	<u>GCTATGAGGC</u>	ACACGCCACA	4200	
YM23_HT1Prz2	-----	-----	-----	-----	-----	-----		
YM23_HT1Prz1	-----	-----	-----	-----	-----	-----		
YM23-BACcontig	-----	-----	-----	-----	-----	-----		

