

Fig. S6. Information on the polymorphic site YE17.1 - Pos 1277

(a) Sequence alignment (HT1,4,5,6, HTPrz1,2; HT2,3; Reference from BAC clone E; homologous sequence on EcaX) with primer positions underlined. Positions identical to the sequence in the first row are represented with a hyphen. The mutation leading to HT2/3 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 HT1,4,5,6 and HT2,3 respectively.

A

YE17_HT1/4/5/6/HTPrz	<u>TCTGAGGTGG</u>	TGAGAGAATC	ATACTTGAGA	GCACATGTTG	CAAAGCCAAG	<u>ATGCAGGGCC</u>	1166
YE17_HT2/3	-----	-----	-----	-----	-----	-----	
YE17-BACcontig	-----	-----	-----	-----	-----	-----	
ecaX:6089749-6071249	--c-----	-cca-----	-----	-agtg-----	-----	-----	
YE17_HT1/4/5/6/HTPrz	<u>TAAGTTGTTT</u>	<u>GCAGAGAGCA</u>	AGATTACCTC	CTGGGACAAC	TAGAGCAGGA	<u>CCCAGAGGTG</u>	1126
YE17_HT2/3	-----	-----	-----	-----	-----	-----	
YE17-BACcontig	-----	-----	-----	-----	-----	-----	
ecaX:6089749-6071249	-----t	-----g-	-----	-----	-c-g-----	-----	
YE17_HT1/4/5/6/HTPrz	CTGCCTTTC	AACAGAGCTA	GGCTTCCATG	AA...TGAC	TCTCGAGTTC	<u>TACATTCACA</u>	1282
YE17_HT2/3	-----	-----	-----	...	-----	<u>A</u>	
YE17-BACcontig	-----	-----	-----	...	-----	-----	
ecaX:6089749-6071249	-----c-	-----c-	-----	-cagt-----	-----	c-----	
YE17_HT1/4/5/6/HTPrz	GTTTGAGATT	ACTGTTTAGA	AAGCACACTT	CTGTTGGTTG	CAGGCGTGAA	TAACAGTGAT	1342
YE17_HT2/3	-----	-----	-----	-----	-----	-----	
YE17-BACcontig	-----	-----	-----	-----	-----	-----	
ecaX:6089749-6071249	-----g--	-gga-----	-----t-----	-c-----t	cggggtgtgag	tcac-----	
YE17_HT1/4/5/6/HTPrz	TGTATAAAGT	GTAGAATCAC	TTATTAGAAA	TCAGAGACAA	TCTATCTGTT	GTTCAGCCGG	1402
YE17_HT2/3	-----	-----	-----	-----	-----	-----	
YE17-BACcontig	-----	-----	-----	-----	-----	-----	
ecaX:6089749-6071249-g	-----cc	c-----t-	
YE17_HT1/4/5/6/HTPrz	GTGGA...CA	<u>CTGGACACCA</u>	<u>CCAGTCAGG</u>	CTGTCCGATG	CTGGAGAACA	ACGATGCTAC	1458
YE17_HT2/3	-----	-----	-----	-----	-----	-----	
YE17-BACcontig	-----	-----	-----	-----	-----	-----	
ecaX:6089749-6071249	---gatg--	---t---	-g-----g	t---t---	-----	-a-----	

