Figure S4  The B73 9L NUMT is located between the centromere and 9L-specific FISH probes on pachytene chromosomes. Chromosome 9 has been well-characterized cytogenetically with a series of probes on metaphase and pachytene chromosomes (Danilova and Birchler 2008). In the previous study, two proximal probes on the chromosome 9 long arm were BAC-specific probe (BAC-L1) and glossy15 (gl15). B73 chromosomes were hybridized with Alexa Fluor 488-labeled BAC-specific and gl15 probes and Texas red-labeled cosmid 3 and 9 probes. Using these probes, the B73 chromosome 9L NUMT was identified between the 9L-specific probes and the centromere.