Molecular Characterization of Bovine CSN1S2*B and Extensive Distribution of Zebu-Specific Milk Protein Alleles in European Cattle. By Ibeagha-Awemu et al., page 3522. The objectives of this study were to characterize αS2-casein B at the molecular level and include the results in a genetic analysis of the casein complex in 26 cattle breeds from 3 continents. DNA-based methods for genotyping at the αS2-casein gene were developed. Diversity estimates at the milk protein loci were highest in the zebus, followed by southeastern European taurines. A wide presence of zebu-specific milk protein alleles and haplotypes in European cattle was found.