

Two New TPO Alleles Detected in the Portuguese Population

Cintia Alves ¹, Leonor Gusmao ¹, Antonio Amorim ^{1,2}

¹IPATIMUP, Porto, Portugal

²Faculty of Sciences, University of Porto, Portugal



The TPO is a tetrameric short tandem repeat locus widely used in forensics. The repeat motif is composed of AATG units. In this study we report the existence of two new TPO alleles in the Portuguese population: one is composed of five AATG units and the other has fifteen AATG units. Both have been fully sequenced. The first one, TPO*5, has been found in one individual from Braga district (North Portugal) and the other (TPO*15) in a sample from Visen district (in the central region of the country). Both have undetectable foreign ancestors.