FIGURE 13.21. The distribution of nucleotide diversity for humans. These data come from a survey of 106 genes and compare the distribution of diversity for synonymous changes (which do not alter amino acid sequence), nonsynonymous diversity (i.e., changes that do alter amino acid sequence), and diversity in noncoding sequence. The mean pairwise diversity for these three classes is $\pi = 0.00107$, 0.00028, and 0.00052, respectively.