



FIGURE 26.6. A search for associations between genetic markers and Alzheimer's disease (AD) illustrates the difficulties of combining multiple statistical tests. (A) The statistical significance of associations considered one by one. The 54 genes studied are divided into different functional classes; the *right-hand* section shows 13 genes that showed significant associations in previous studies. A shows the initial survey and B shows a follow-up using a separate sample and a subset of markers (indicated by arrows above). Of the genes that initially showed significance, only one (AGER) remained so in the follow-up. The crosses in B show the p values after proper correction for multiple testing: None are significant.

26.6, redrawn from Emahazion T. et al., *Trends Genet.* 17: 407–413, © 2001 Elsevier