



**FIGURE 14.29.** Distributions of effects of QTLs, scaled relative to the phenotypic standard deviation. (A) A compilation of studies of milk yield in cattle and growth and meat quality in pigs. (B) The distribution of effects of 31 QTLs on the third chromosome on bristle number in *Drosophila*. Effects smaller than about 0.5 s.d. are undetectable. The curve shows a hypothetical exponential distribution.

4.29A, redrawn from Hayes B. et al., *Genet. Sel. Evol.* **33**: 209–230, © 2001 EDP Sciences; 14.29B, redrawn from Shrimpton A.E. et al., *Genetics* **118**: 445–459, © 1988 Genetics Society of America