Figure S1  The gamma distribution as the asymptotic distribution of coalescence times at the early stage of the coalescent.

(A), (C) and (E): The asymptotic probability density functions of coalescence times in a sample of size 1000, collected from a population with $N_0 = 2 \times 10^6$. The growth rate is $\gamma = 0.001$. The plots from top to bottom correspond to the p.d.f.’s of $T_{998}$, $T_{994}$ and $T_{990}$. The histograms were generated by 500 coalescent simulations.

(B), (D) and (F): The same settings as (A), (C) and (E), except that $\gamma = 0.005$. 