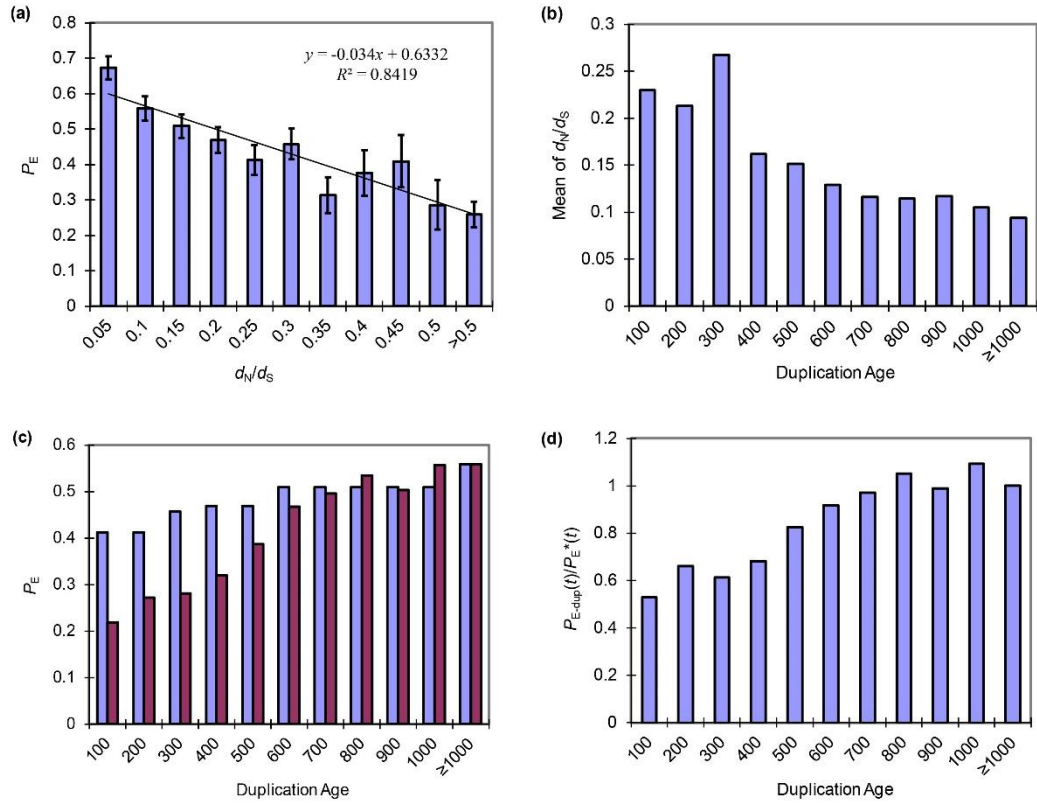# Supporting Information

Figure S1. The effect of sequence conservation on the relationship between P_E and duplicattion age. The d_N/d_S ration of mouse-rat one-to-one orthologous gene pairs was used as gene evolutionary conservation measurement. (a) Relationship between P_E in singletons and the evolutionary conservation of the gene, measured by the ratio of the nonsynonymous (d_N) to synonymous (d_S) nucleotide distances between the target gene and its rat ortholog. (b) Mean d_N/d_S ratio for each age bin of duplicates. (c) P_E in each age bin of duplicates—P_E (dup, t) and that of singletons with the same d_N/d_S ratio—P_E *(t). (d) Ratio of P_E (dup, t) and P_E *(t) in each age bin of duplicates.