Table 1. Probability of obtaining the observed difference in frequency (f) and Fay and Wu's *H* statistic when comparing P and U mutations

Demographic conditions	Recombination	$P\left(\Delta f \ge 0.122\right)$	$P\left(\Delta H \ge 0.281\right)$
Constant population size	0	0.0012	0.0002
	1 cM	0.0007	< 0.0001
	10 cM	0.0006	< 0.0001
	Unlinked	< 0.0001	< 0.0001
$\operatorname{Growth}^{\ddagger}$	0	< 0.0001	< 0.0001
Severe growth	0	< 0.0001	< 0.0001
Bottleneck and growth	0	< 0.0001	< 0.0001
Bottleneck and severe growth	0	< 0.0001	< 0.0001

Probabilities were obtained by coalescent simulations under the neutral model (see *Materials and Methods*).

*Total rate of cross-over per generation between the most distant polymorphisms,

expressed in cM and assuming ancestral population size of 10,000.

[†]Simulations assuming unlinked genes and complete linkage within genes.

[‡]Demographic conditions are detailed in *Materials and Methods*.