

Probability an allele with frequency  $p$  will be lost during a bottleneck  
of size  $N$

	$N$			
	2	10	$10^2$	$10^4$
$p$				
0.5	0.06	$9.5 \times 10^{-7}$	$6.2 \times 10^{-61}$	$< 10^{-999}$
$10^{-1}$	0.66	0.12	$7.1 \times 10^{-10}$	$7.1 \times 10^{-916}$
$10^{-2}$	0.96	0.82	0.13	$5.1 \times 10^{-88}$
$10^{-4}$	0.9996	0.998	0.98	0.14