

Additional file 12

Prior distribution of parameters used in ABC analysis. Population size parameters (N_i) are given in units of N_e and time parameters (t_i) in units of generations. Gamma distribution shape parameter = 2. P: geometric distribution parameter, SNI: Single Nucleotide Insertion

Parameter	Distribution	Minimum	Maximum
Demographic parameter priors			
N1	Uniform	10	10000
N1b	Uniform	10	10000
N2	Uniform	10	10000
N2b	Uniform	10	10000
N2c	Uniform	10	10000
N3	Uniform	10	10000
t1	Uniform	10	10000
t2	Uniform	10	10000
Mutation model priors			
Mean mutation rate	Uniform	1×10^{-4}	1×10^{-3}
Individual locus mutation rate	Gamma	1×10^{-5}	1×10^{-2}
Mean locus coefficient P	Uniform	0.1	0.3
Individual locus coefficient P	Gamma	1×10^{-2}	0.9
Mean SNI rate	Log-uniform	1×10^{-8}	1×10^{-4}
Individual locus SNI rate	Gamma	1×10^{-9}	1×10^{-3}