A) Average Frequency Trajectory

Mean Allele Frequency

4Ns
— −100
— −50
— 0
-- 50
-- 100

Time before the present

B) Allele Age

Probability

Allele Age

7168   2000   1000   Present

C) T_2

Probability

T_2

400   Present
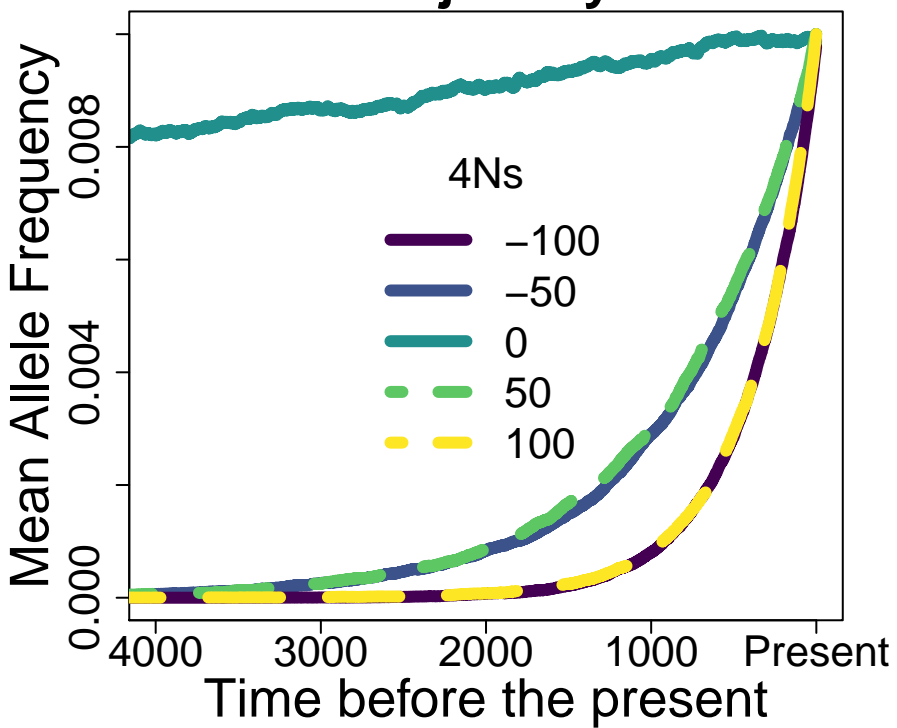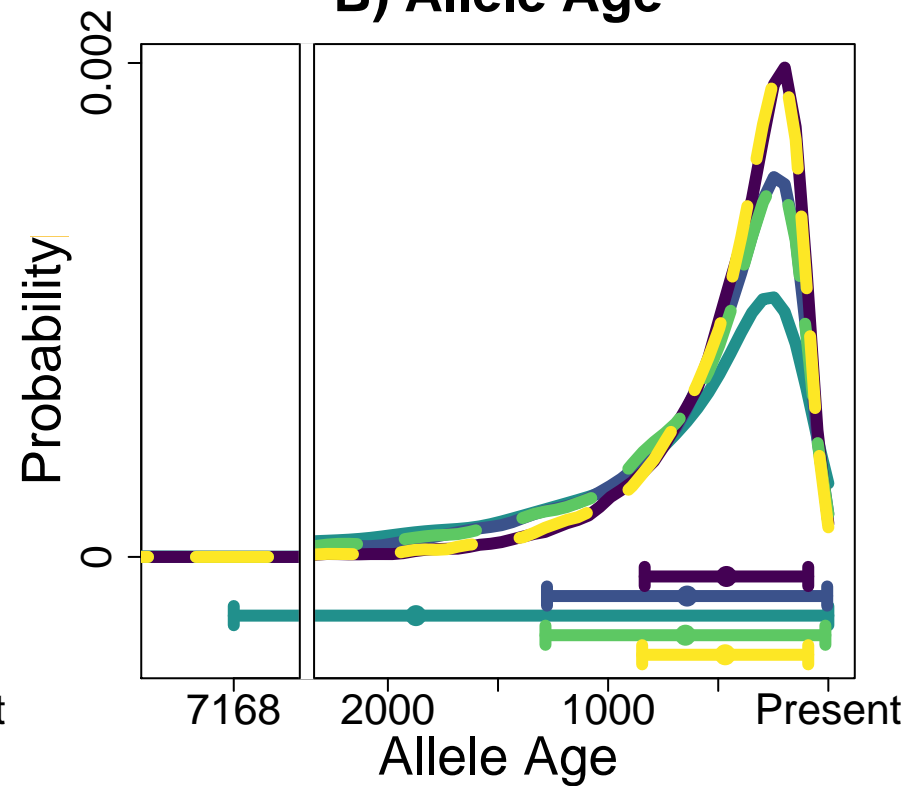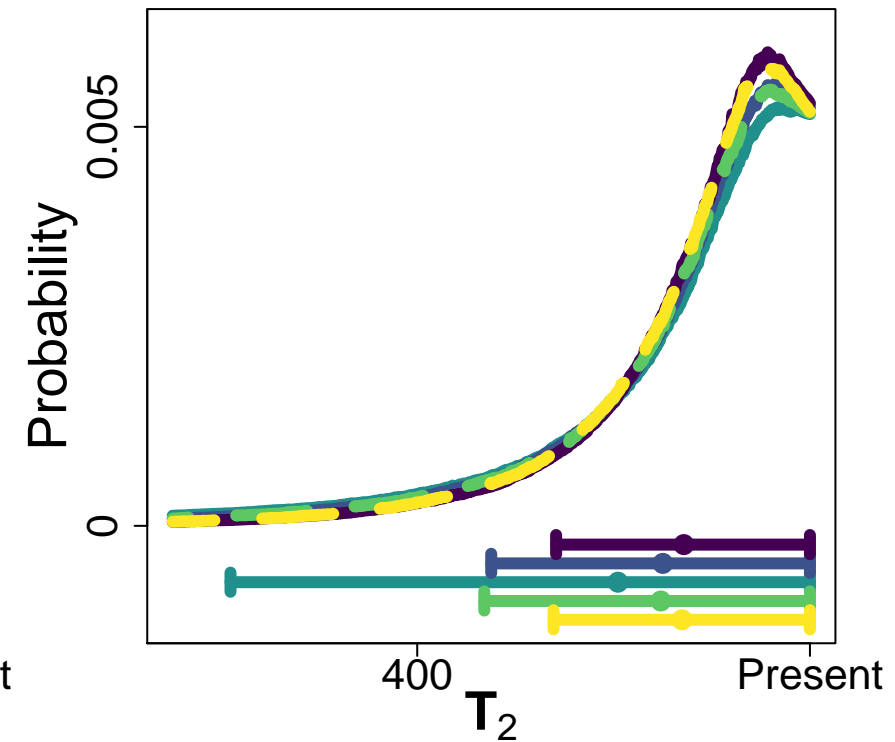
D) Probability Distribution of L
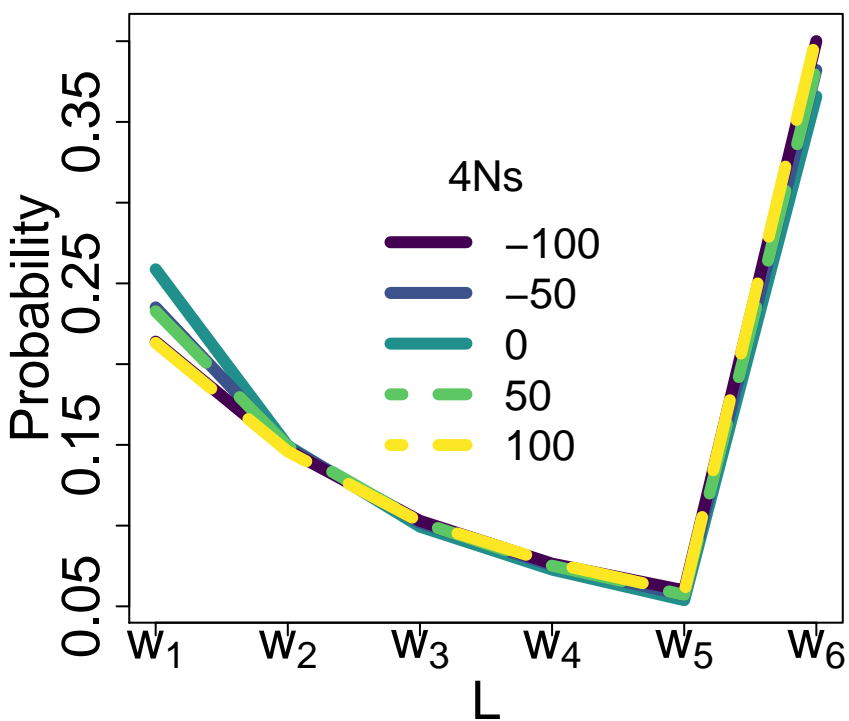
Probability

4Ns
— −100
— −50
— 0
-- 50
-- 100

W_1 W_2 W_3 W_4 W_5 W_6

L

E) The effect of selection on L

Neutrality

Neutral Allele

T_2

Allele

SHORTER distance to first difference between haplotype pairs
SMALLER L

Natural selection

Allele under natural selection

T_2

LONGER distance to first difference between haplotype pairs
LARGER L