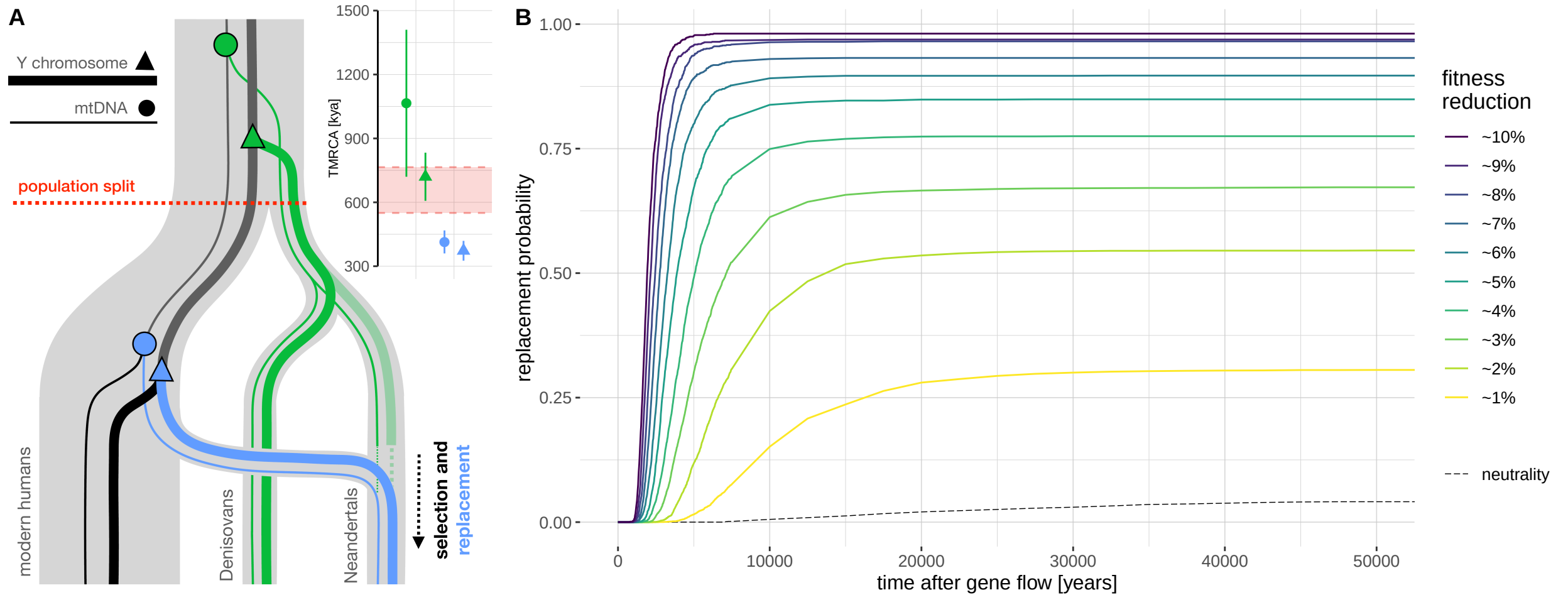
A
Y chromosome
mtDNA
population split
TMRCA [kya]
1500
1200
900
600
300
modern humans
Denisovans
Neandertals
selection and
replacement
B
replacement probability
1.00
0.75
0.50
0.25
0.00
0
10000
20000
30000
40000
50000
time after gene flow [years]
fitness reduction
~10%
~9%
~8%
~7%
~6%
~5%
~4%
~3%
~2%
~1%
neutrality