

time ago (generations)

$4,692 \cdot N_A$

$2,278 \cdot N_A$

0

CVLN

CVLS

N_A

The diagram illustrates the population history of two models, CVLN (orange) and CVLS (green), relative to a common ancestor (blue). The vertical axis represents time in generations, with markers at 0, $2,278 \cdot N_A$, and $4,692 \cdot N_A$. The CVLN population (orange) and CVLS population (green) both have a constant size of N_A from time 0 to $2,278 \cdot N_A$. At $2,278 \cdot N_A$, both populations undergo a bottleneck, reducing to a size of N_A . The CVLN population then expands back to its original size of N_A at $4,692 \cdot N_A$. The CVLS population also expands back to its original size of N_A at $4,692 \cdot N_A$. The common ancestor (blue) is shown as a vertical bar of width N_A at the top of the diagram, with a double-headed arrow indicating its size. Arrows indicate the flow of genetic material from the CVLN and CVLS populations to the common ancestor.