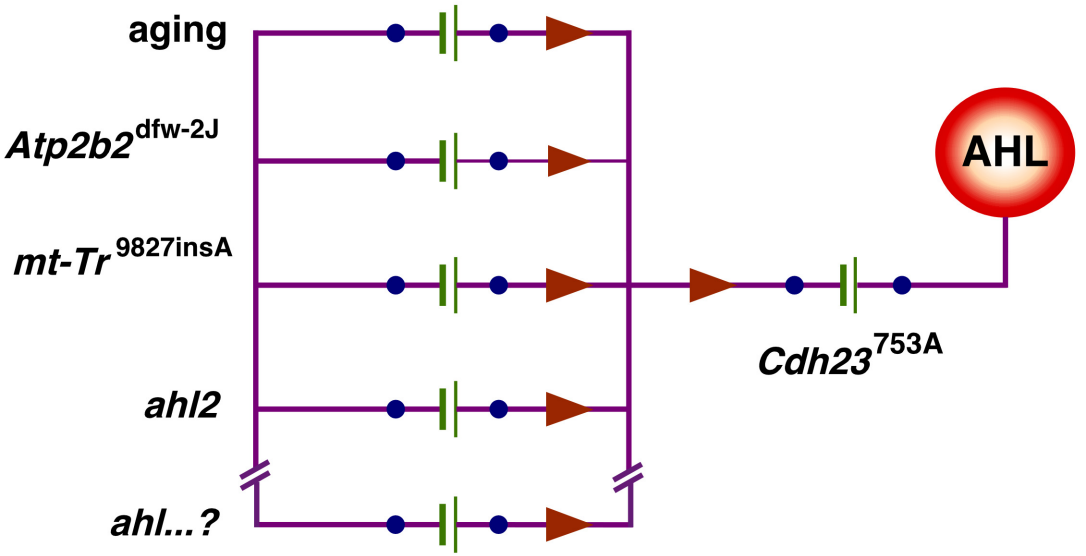
**Supplementary Figure 1**




**Genetic architecture of mouse AHL**.

The *Cdh23*$^{753G/A}$ dimorphism is a major regulator of hearing thresholds in 56 inbred strains. At homozygous state, *Cdh23*$^{753A}$ predisposes to hearing loss in 27 inbred strains. Manifestation of early-onset AHL is accelerated by either one of the secondary genetic factors (listed on the left) in combination with *Cdh23*$^{753A}$. General aging processes, environmental or stochastic effects may account for variation within and among strains with late-onset hearing loss.