

[Open Peer Review on Qeios](#)

Gene Pool

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). [Gene Pool](#).

A gene pool is the total genetic diversity found within a population or a species. A large gene pool has extensive genetic diversity and is better able to withstand the challenges posed by environmental stresses. Inbreeding contributes to the creation of a small gene pool and makes populations or species more likely to go extinct when faced with some type of stress.