



Migration as an evolutionary force

Migration acts to unify gene frequencies between populations

Gene Flow in Humans: An Example

M,N blood group polymorphism

Estimating gene flow:

Selection and migration

Banded Water Snakes on islands in Lake Erie



A selection-migration model

A selection-migration model, continued

A selection-migration model, continued



For watersnakes,

Migration Summary

In the absence of other evolutionary forces (eg, selection):

Migration makes different populations more similar genetically (it is a homogenizing force)

Migration is the glue that holds species together (because other evolutionary forces tend to make them different)

Migration and selection:

Migration is a strong evolutionary force which is capable of causing maladaptive evolution (it can stand up to selection)

Maladaptive evolution due to migration may set species range limits