

Bi6570 Mikroevoluce a speciace rostlin (podzim 2022)

# 3. Reprodukční bariéry

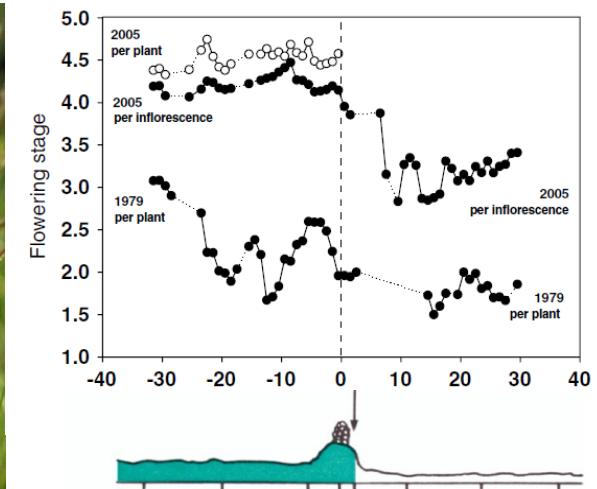
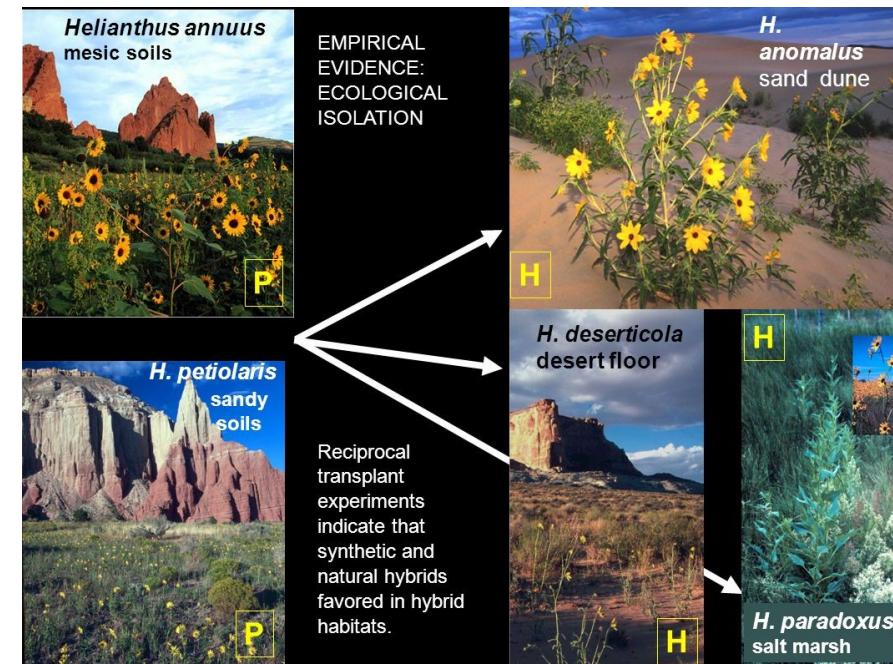
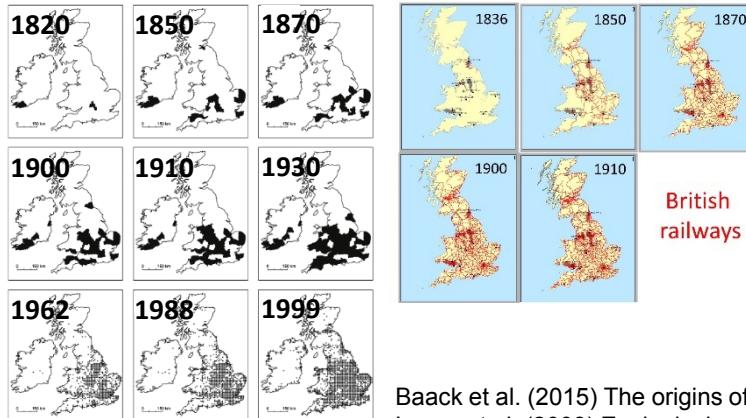
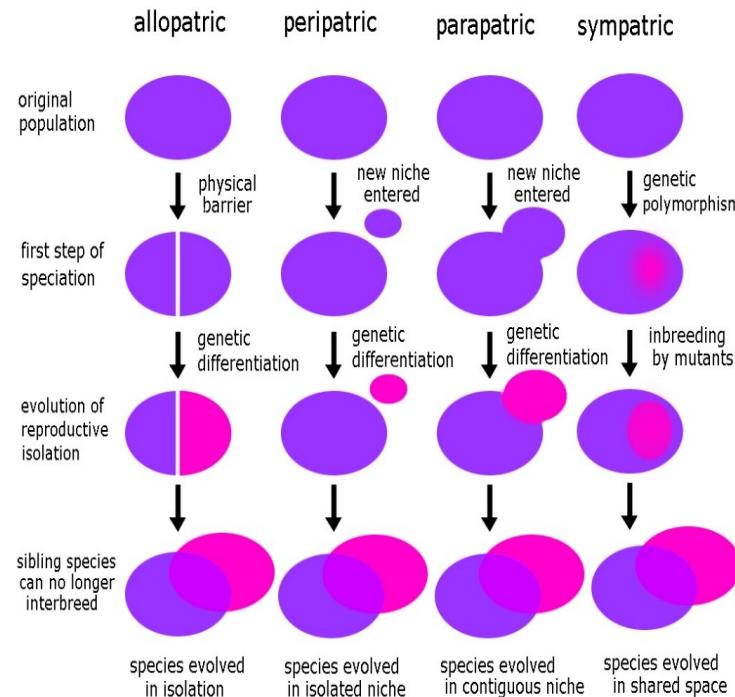
František Zedek

Bi6570 Mikroevoluce, speciace a taxonomie rostlin (podzim 2020)

# 3. Reprodukční bariéry

František Zedek

# Plant speciation, reproductive barriers



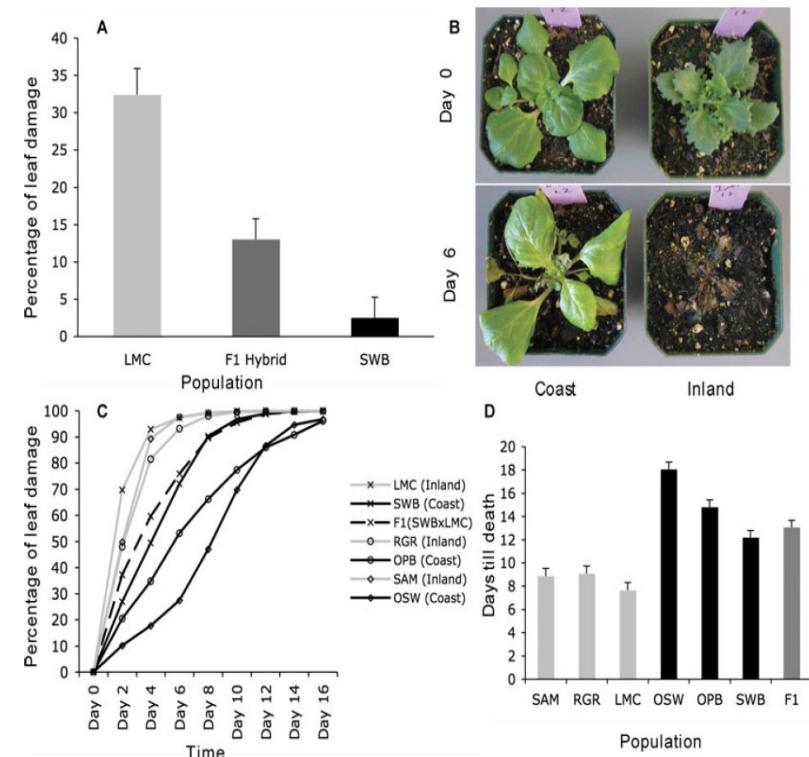
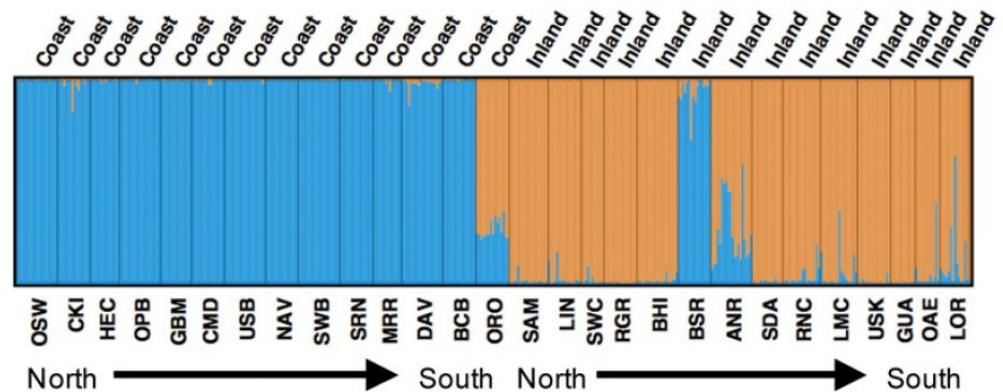
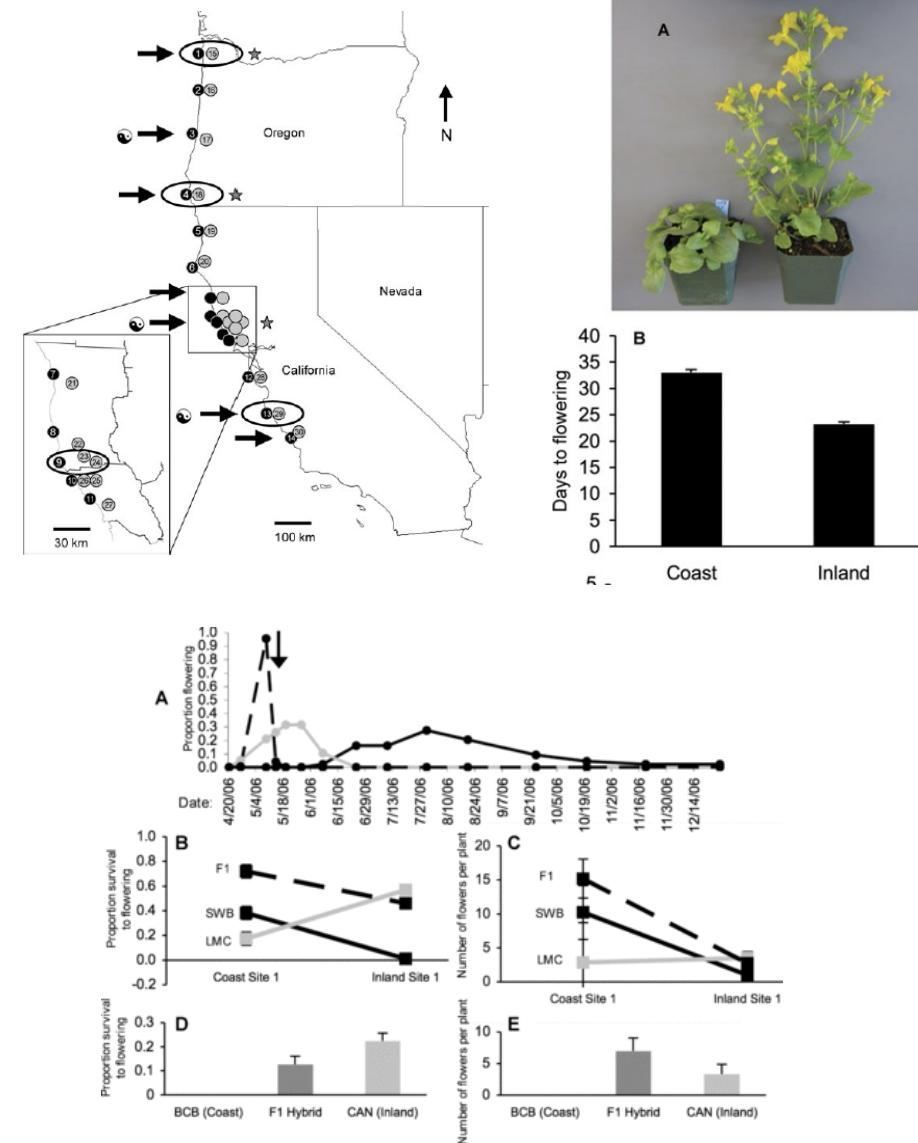
Baack et al. (2015) The origins of reproductive isolation in plants. *New Phytologist* 207: 968–984.

Lowry et al. (2008) Ecological reproductive isolation of coast and inland races of *Mimulus guttatus*. *Evolution* 62: 2196-2214.

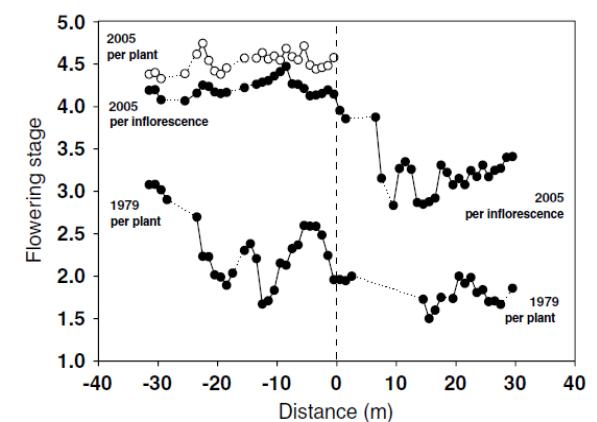
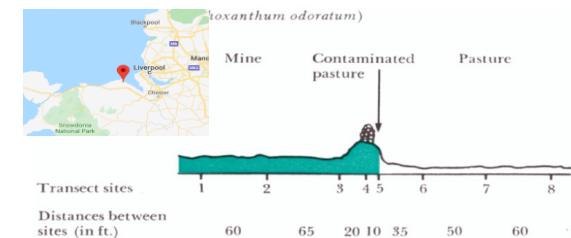
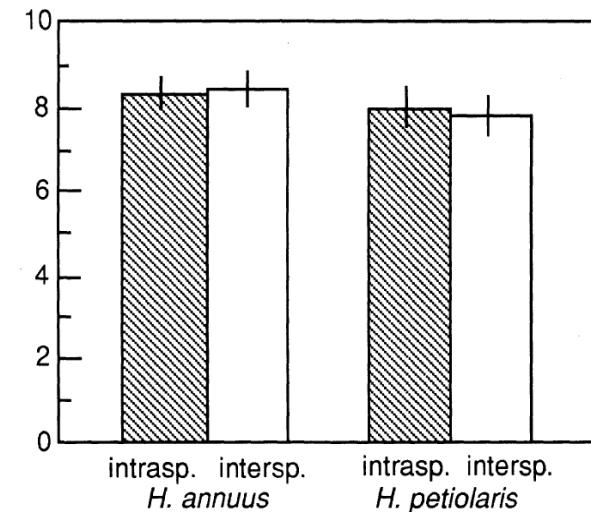
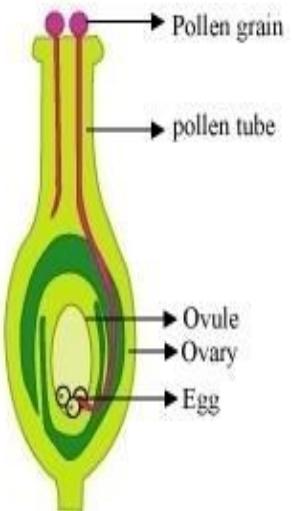
Rothfels et al. (2015) Natural hybridization between genera that diverged from each other approximately 60 million years ago. *Am. Naturalist* 185:433-442..

# Prezygotic barriers

Local adaptation causing a prezygotic barrier between coastal and inland populations of *Mimulus guttatus* (Phrymaceae)



# Prezygotic barriers



Baack et al. (2015) The origins of reproductive isolation in plants. *New Phytologist* **207**: 968–984.

Bucholz et al. (1935) Pollen-Tube Growth of Ten Species of *Datura* in Interspecific Pollinations. *PNAS* **21**: 651–656.

Riesberg et al. (1995) Interspecific Pollen Competition as a Reproductive Barrier Between Sympatric Species of *Helianthus* (Asteraceae). *Am J Bot* **82**: 515–519.

Antonovics (2006) Evolution in closely adjacent plant populations X: long-term persistence of prereproductive isolation at a mine boundary. *Heredity* **97**: 33–37.