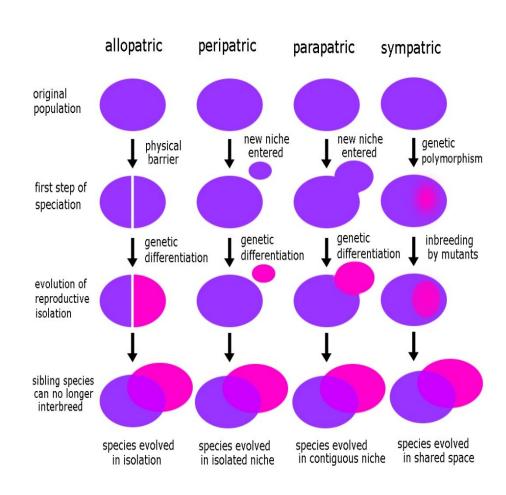
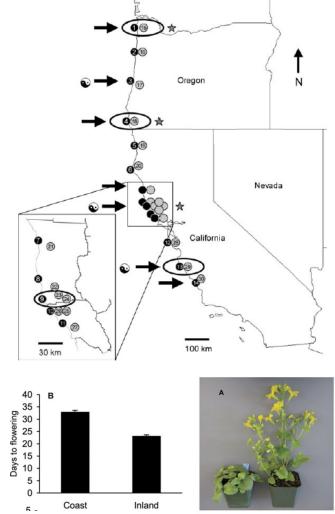
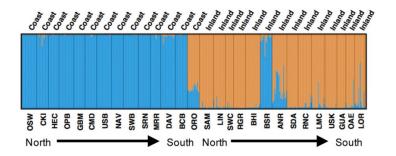
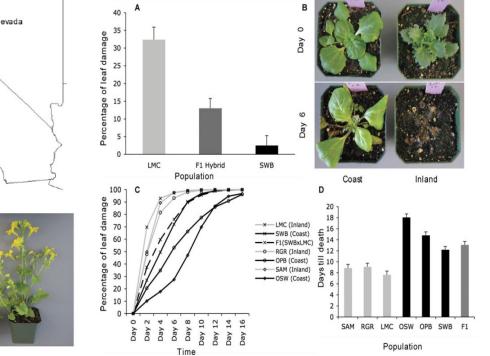
## Reproductive barriers in plant speciation

## Plant speciation, reproductive barriers



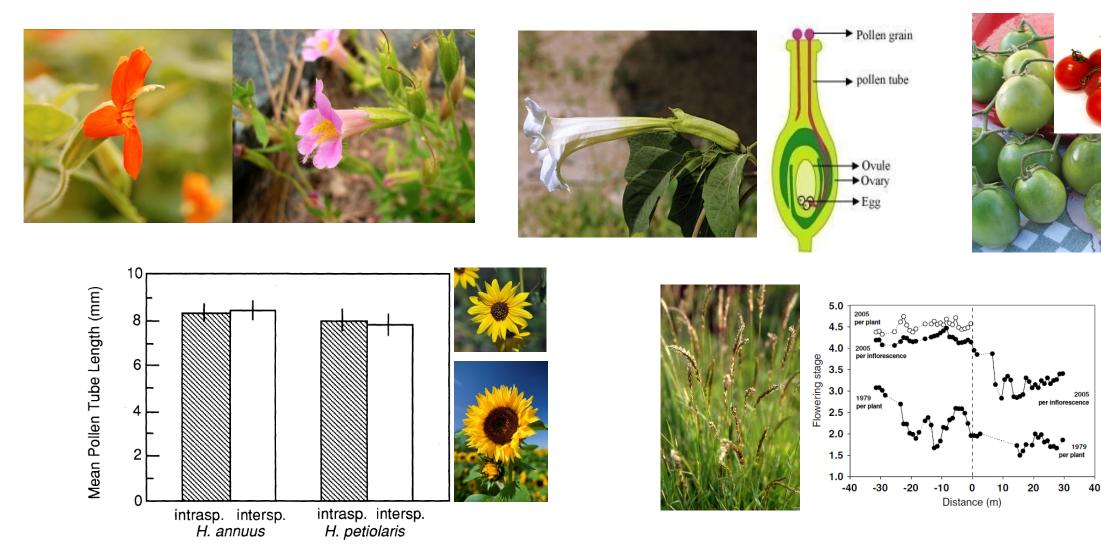






Baack et al. (2015) The origins of reproductive isolation in plants. *New Phytologist* **207**: 968–984. Lowry et al. (2008) Ecological reproductive isolation of coast and inland races of Mimulus guttatus.. *Evolution* **62**: 2196-2214.

## **Prezygotic barriers**



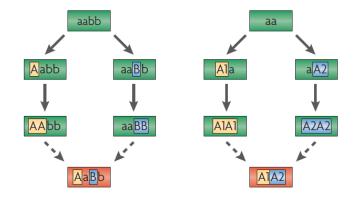
Baack et al. (2015) The origins of reproductive isolation in plants. *New Phytologist* **207**: 968–984.

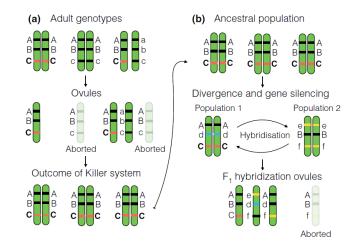
Bucholz et al. (1935) Pollen-Tube Growth of Ten Species of Datura in Interspecific Pollinations. PNAS 21: 651-656.

Riesberg et al. (1995) Interspecific Pollen Competition as a Reproductive Barrier Between Sympatric Species of Helianthus (Asteraceae). *Am J Bot* **82**: 515-519. Tovar-Mendéz (2014) Restoring pistil-side self-incompatibility factors recapitulates an interspecific reproductive barrier between tomato species. *Plant J* **77**: 727–736. Antonovics (2006) Evolution in closely adjacent plant populations X: long-term persistence of prereproductive isolation at a mine boundary. *Heredity* **97**: 33-37.

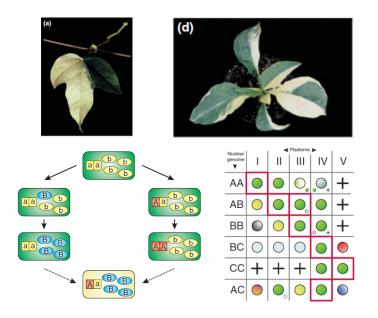
## Postzygotic barriers

Bateson–Dobzhansky–Muller model

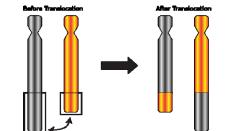


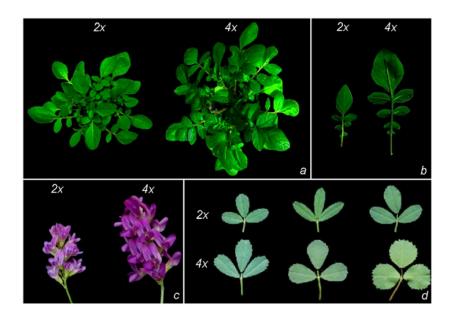












Baack et al. (2015) The origins of reproductive isolation in plants. New Phytologist 207: 968–984.

Stathos & Fishman (2014) Chromosomal rearrangements directly cause underdominant F1 hybrid sterility in M. lewisii–M. cardinalis hybrids. Evolution 68: 3109-3119.

Greiner et al. (2011) The role of plastids in plant speciation. *Molecular Ecology* **20**: 671–691.

Aversano et al. (2012) Molecular Tools for Exploring Polyploid Genomes in Plants. Int J Mol Sci 13: 10316-10335.