

References

- Aguiar, B., Vieira, J., Cunha, A. E., & Vieira, C. P. (2015). No evidence for Fabaceae gametophytic self-incompatibility being determined by Rosaceae, Solanaceae, and Plantaginaceae S-RNase lineage genes. *BMC Plant Biology*, 15(1), 129.
- Allen, A., & Hiscock, S. (2008). Evolution and phylogeny of self-incompatibility systems in angiosperms. In *Self-incompatibility in Flowering Plants* (pp. 73–101). Springer.
- Arroyo, M. K. (1981). Breeding systems and pollination biology in Leguminosae. In R. Polhill & P. Raven (Eds.), *Advances in Legume Systematics, Part 2* (pp. 723–769). Royal Botanic Gardens, Kew.
- Atwood, S. S. (1941). Cytological basis for incompatibility in *Trifolium repens*. *American Journal of Botany*, 28(7), 551–557.
- Azani, N., Babineau, M., Bailey, C. D., Banks, H., Barbosa, A. R., Pinto, R. B., ... others (2017). A new subfamily classification of the Leguminosae based on a taxonomically comprehensive phylogeny: The Legume Phylogeny Working Group (LPWG). *Taxon*, 66(1), 44–77.
- Brewbaker, J. L. (1955). Studies of oppositional allelism in *Trifolium nigrescens*. *Hereditas*, 41(3-4), 367–375.
- Brewbaker, J. L. (1967). The distribution and phylogenetic significance of binucleate and trinucleate pollen grains in the angiosperms. *American Journal of Botany*, 54(9), 1069–1083.
- Caracuta, V., Vardi, J., Paz, Y., & Boaretto, E. (2017). Farming legumes in the pre-pottery Neolithic: New discoveries from the site of Ahihud (Israel). *PLoS One*, 12(5), e0177859.
- Casey, N. M., Milbourne, D., Barth, S., Febrer, M., Jenkins, G., Abberton, M. T., ... Thorogood, D. (2010). The genetic location of the self-incompatibility locus in white clover (*Trifolium repens* L.). *Theoretical and Applied Genetics*, 121(3), 567–576.
- Chase, M. W., Christenhusz, M., Fay, M., Byng, J., Judd, W. S., Soltis, D., ... Stevens, P. F. (2016). An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. *Botanical Journal of the Linnean Society*, 181(1), 1–20.
- de Nettancourt, D. (2001). *Incompatibility and Incongruity in Wild and Cultivated Plants* (Second ed.). Berlin, Germany: Springer-Verlag.
- de Sahagún, B., Anderson, A. J., & Dibble, C. E. (1970). *Florentine Codex: General history of the things of New Spain*. School of American Research.
- Dobrofsky, S., & Grant, W. (1980). Electrophoretic evidence supporting self-incompatibility in *Lotus corniculatus*. *Canadian Journal of Botany*, 58(6), 712–716.
- Do Not Eat Beans*, [fol. 25 recto]. (n.d.). Retrieved from https://commons.wikimedia.org/wiki/Category:Pythagoras#/media/File:Do_Not_Eat_Beans.jpg

- Doyle, J. J. (2012). Polyploidy in Legumes. In *Polyploidy and Genome Evolution* (pp. 147–180). Springer.
- Franklin-Tong, V. E., & Franklin, F. (2003). The different mechanisms of gametophytic self-incompatibility. *Philosophical Transactions of the Royal Society of London. Series B: Biological Sciences*, 358(1434), 1025–1032.
- Friedman, J. (2020). The evolution of annual and perennial plant life histories: Ecological correlates and genetic mechanisms. *Annual Review of Ecology, Evolution, and Systematics*, 51, 461–481.
- Grossenbacher, D. L., Brandvain, Y., Auld, J. R., Burd, M., Cheptou, P.-O., Conner, J. K., ... others (2017). Self-compatibility is over-represented on islands. *New Phytologist*, 215(1), 469–478.
- Heslop-Harrison, Y., & Shivanna, K. (1977). The receptive surface of the angiosperm stigma. *Annals of Botany*, 41(6), 1233–1258.
- Igić, B., & Kohn, J. R. (2001). Evolutionary relationships among self-incompatibility RNases. *Proceedings of the National Academy of Sciences*, 98(23), 13167–13171.
- Igić, B., Lande, R., & Kohn, J. R. (2008). Loss of self-incompatibility and its evolutionary consequences. *International Journal of Plant Sciences*, 169(1), 93–104.
- Ives, A. R. (2019). R²s for correlated data: Phylogenetic models, LMMs, and GLMMs. *Systematic Biology*, 68(2), 234–251.
- Jacob, F. (1977). Evolution and tinkering. *Science*, 196(4295), 1161–1166.
- Lande, R., & Schemske, D. W. (1985). The evolution of self-fertilization and inbreeding depression in plants. I. Genetic models. *Evolution*, 39(1), 24–40.
- Lavin, M., Herendeen, P. S., & Wojciechowski, M. F. (2005). Evolutionary rates analysis of Leguminosae implicates a rapid diversification of lineages during the tertiary. *Systematic biology*, 54(4), 575–594.
- Liang, M., Cao, Z., Zhu, A., Liu, Y., Tao, M., Yang, H., ... others (2020). Evolution of self-compatibility by a mutant S m-RNase in citrus. *Nature Plants*, 6(2), 131–142.
- Lloyd, D. (1968). Pollen tube growth and seed set in self-incompatible and self-compatible *Leavenworthia* (Cruciferae) populations. *New Phytologist*, 67(1), 179–195.
- Lundqvist, A. (1993). The self-incompatibility system in *Lotus tenuis* (Fabaceae). *Hereditas*, 119(1), 59–66.
- Mable, B. K. (2004). Polyploidy and self-compatibility: Is there an association? *New phytologist*, 162(3), 803–811.
- Ramanauskas, K., & Igić, B. (2017). The evolutionary history of plant T2/S-type ribonucleases. *PeerJ*, 5, e3790.

- Sandal, P. (1951). *Mechanisms of self- and cross-incompatibility in sweet clover*, *Melilotus officianalis* Lam. (PhD Thesis). Iowa State College, Iowa, USA.
- Scofield, D. G., & Schultz, S. T. (2006). Mitosis, stature and evolution of plant mating systems: Low- ϕ and high- ϕ plants. *Proceedings of the Royal Society B: Biological Sciences*, 273(1584), 275–282.
- Silva, N., & Goring, D. (2001). Mechanisms of self-incompatibility in flowering plants. *Cellular and Molecular Life Sciences CMLS*, 58(14), 1988–2007.
- Smith, S. A., & Brown, J. W. (2018). Constructing a broadly inclusive seed plant phylogeny. *American Journal of Botany*, 105(3), 302–314.
- Steinbachs, J., & Holsinger, K. (2002). S-RNase mediated gametophytic self-incompatibility is ancestral in Eudicots. *Molecular Biology and Evolution*, 19(6), 825–829.
- Vieira, J., Pimenta, J., Gomes, A., Laia, J., Rocha, S., Heitzler, P., & Vieira, C. (2021). The identification of the Rosa S-locus and implications on the evolution of the Rosaceae gametophytic self-incompatibility systems. *Scientific Reports*, 11(1), 1–12.
- Williams, W. (1951). Genetics of incompatibility in alsike clover, *Trifolium hybridum*. *Heredity*, 5(1), 51–73.