

Novelty

Mark Rebeiz, et al.

1. What mechanisms in evolution of novel genes were talked about?
2. What evidence did they use to confirm that lamina neuroblast in optic lobe of *D. Santomea* is a novel trait? Was it enough?

Jeffery C. Oliver, et al.

3. What do they mean by focal expression of genes?
4. How can the presence of eyespot be justified here by co-option mechanism? Compare with co-option mechanism in *Nep1* expression

Bharti Sharma and Elen Kramer

5. What do neo-functionalization and sub-functionalization mean and what genes show these functions?
6. How is the ABC model in *Aquilegia* different from that in the other *Ranunculaceae*?
7. Among the novel traits from these papers, did you find any relation between fitness and novelty? Can environment be important in these traits?
8. How do you define Autapomorphy versus Novelty?

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