

Publications

Articles in scientific journals

- Petit, N. and A. Barbadilla (2009). The efficiency of purifying selection in Mammals vs *Drosophila* metabolic genes. *J. Evol. Biology* 22: 2118-2124.
- Petit, N. and A. Barbadilla (2009). Selection efficiency and effective population size in *Drosophila* species. *J. Evol. Biology* 22: 515-526.
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- Casillas, S, B Negre, A Barbadilla and A Ruiz (2006). Fast sequence evolution of Hox and Hox-derived genes in the genus *Drosophila*. *BMC Evolutionary Biology* 2006, 6:106.
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- Casillas, S & A. Barbadilla (2004). PDA: a pipeline to explore and estimate polymorphism in large DNA databases. *Nucleic Acid Research*, Web Server issue 32: W166-W169.
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Data bases and computer web servers

- Plataforma de representació i anàlisi de la Diversitat Genètica en *Drosophila* / DPDB: *Drosophila Polymorphism Database*
Casillas, S. & A. Barbadilla. 2005.

- MamPol: Mammalia Polymorphism Database. *Drosophila Polymorphism Database*. Direcció: <http://mampol.uab.es/>
Plataforma de representació i anàlisi de la Diversitat Genètica en Mamíferos MamPol: Mammalia Polymorphism Database. Egea, R, S. Casillas, E. Fernández, MA Senar & A. Barbadilla (2006).

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PDA: procesado concatenado para explorar y estimar el polimorfismo de grandes bases de DNA / PDA: a pipeline to explore and estimate polymorphism in large DNA databases

Casillas, S. & A. Barbadilla. 2004. PDA: Pipeline Diversity Analysis. PDA v.2: improving the exploration and estimation of nucleotide polymorphism in large data sets of heterogeneous DNA analysis. Direcció: <http://pda.uab.es>