FBrf0075291

FlyBase Update Form

If you have new data for FlyBase or know of errors in FlyBase please write these below and return to the FlyBase desk during this meeting. Alternatively, you may return this form by mail to:

FlyBase, Biological Laboratories, 16 Divinity Avenue, Cambridge, MA 02138 USA
or you may email the data to [redacted].

Thankyou for your help.

Your name: RON WIDES
Your Address: DEPT. OF LIFE SCIENCE, BAR-ILAN UNIV. RAMAT GAN, ISRAEL
Your telephone no: [redacted]
Your Fax no:
Your email address:

Write your new data or corrections below.
If the work is published please give a traceable reference. These data will be referred to as *Z. Bloggs, personal communication to FlyBase <date>* in FlyBase. FlyBase will not correct data or add data unless they have a paper or email record. In particular FlyBase will not curate data from oral presentations or posters.

odd Oz (odz): A novel Drosophila pair-rule gene Cell ([redacted] May 20 1994)
A. Levine, A. Bashan-Ahrend, O. Budai-Hadrian, D. Gartenberg, S. Menasherow, and R. Wides

Abstract

We have identified a new pair-rule gene in *Drosophila melanogaster*, *odd Oz* (*odz*). Every odd-numbered body segment is deleted in *odz* mutant embryos. The odz gene product is strongly expressed in the embryonic central nervous system and heart, and both of these tissues are malformed in mutant embryos. *odz* represents the first pair-rule gene which does not encode a transcription factor. Instead, it encodes a protein with EGF-like repeats homologous to those of the extracellular matrix protein tenascin. The protein is also a putative transmembrane tyrosine kinase substrate. On the basis of its structure, *odz* must act in a cellularized embryo. This is consistent with *odz* expression, whose temporal appearance is indicative of a very late acting pair-rule gene.

79E

3 Df alleles

3 P alleles

[redacted] Ten 79E

Synonym: Ten^{m}