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Confocal immunofluorescent detection of wingless protein (green), engrailed protein (blue), and enhancer trap 5953 (red) in a reiterated segment of embryonic *Drosophila* neuroectoderm (ventral midline, center; anterior, top). The wingless protein nonautonomously activates 5953 expression, maintains expression of the engrailed protein, and controls the formation and specification of central nervous system precursors. See page 1594. [Photo: Chris Q. Doe]

**REPORTS**

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Cross-Shelf Sediment Transport by an Anticyclonic Eddy Off Northern California
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Chicxulub Multiring Impact Basin: Size and Other Characteristics Derived from Gravity Analysis

Chemical Modification of the Photoluminescence Quenching of Porous Silicon
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A UV-Sensitive Mutant of Arabidopsis Defective in the Repair of Pyrimidine-Pyrimidinone(6-4) Dimers

Major Groove Accessibility of RNA
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Probing the Mechanism of Staphylococcal Nuclease with Unnatural Amino Acids: Kinetic and Structural Studies
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Immunoglobulin Vδ3 Gene Products: Natural Ligands for HIV gp120
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Simulation of ion transfer

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Indicates accompanying feature

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Moving sediment out to sea

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Indicates accompanying feature

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