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Regulation of P elements in *Drosophila melanogaster* by RNA interference

P elements are transposable elements found in *Drosophila melanogaster*. Complete elements contain terminal repeats and encode a P transferase enzyme that catalyzes excision/transposition of P elements. Regulation of P elements in *Drosophila melanogaster* is dependent upon inhibiting P transferase expression. The expression is regulated by (an) unknown mechanism(s), though telomeric P elements and RNA interference have been implicated. The research I am doing is aimed at elucidating whether or not the RNAi machinery is key in regulation and uses telomeric P elements as a source of micro RNAs.



Poster Number: Session: