A classification model for rhythmic behavior in Caenorhabditis elegans

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RESEARCH OBJECTIVE

C. elegans is a model organism used to study protein misfolding diseases such as Alzheimer's and Huntington's disease. We use engineering principals to create an analysis tool that uses the worm bending frequency patterns to detect and classify the extent of disease in muscle or neuronal cells. Better diagnosis in worms could lead to better research into human health and disease prevention.



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