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Characterisation of progressive motor deficits in whisker movements in R6/2, Q175 and Hdh knock-in mouse models of Huntington's disease

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28 pages, including 4 figures and 1 table.

Highlights

- We measured whisker control, as a more naturalistic way to assess motor function in HD mice
- All mice strains (R6/2 (CAG250), zQ175, Hdh (CAG250) showed aspects of early, hyperkinetic whisker movements at 10 weeks.
- R6/2 mice also showed a reduction in whisker movements at 18 weeks.
- whisking deficits are early indicators of HD, and represent a novel way to assess the progression of the HD motor phenotype