Attention Deficit and Hyperactivity in a Drosophila Memory Mutant

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1. Abstract

Mutant optomotor behavior

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3. Radish behaves randomly in the maze

4. Radish is hyperactive

5. An attention deficit in radish

6. Attention-like bias switches randomly in radish mutant flies

7. Ritalin rescues radish

Wild type flies fed on 0.5 mg/ml methylphenidate –laced food. N = 5 flies. * = Significant rescue of the radish memory defect. A failed rescue would indicate that methylphenidate also rescues the radish memory defect. A failed rescue would indicate that methylphenidate also rescues the radish memory defect.