

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Differentially expressed genes of the cerebellum at 5 months old.

File Name: Supplementary Data 2

Description: Differentially expressed genes of the cerebellum at 2 months old.

File Name: Supplementary Data 3

Description: Differentially expressed genes of the cortex at 6 months old.

File Name: Supplementary Data 4

Description: Differentially expressed genes of the spinal cord at 6 months old.

File Name: Supplementary Movie 1

Description: Movie of the 6 months old control mice walking along the edges of cage.

File Name: Supplementary Movie 2

Description: Movie of the 6 months old heterozygous mice walking along the edges of cage.