

Description of Additional Supplementary Files

Supplementary Data 1. The primers used in gene identification.

Supplementary Data 2. The antibodies used in immunofluorescent staining.

Supplementary Data 3. The primers used in RT-qPCR.

Supplementary Data 4. The antibodies used in immunofluorescent staining.
Uncropped blots in Supplementary Figures.

Supplementary Movie 1. The PCKO mice exhibited severe balance dysfunction at 1 year of age.

Supplementary Movie 2. Mitochondria transplantation rescued ataxia in CBND^{general} mice at early stage.

Supplementary Movie 3. The whole cerebellum in PC^{TdTomato} mouse showed well-organized Purkinje cells.

Supplementary Movie 4. The Purkinje cells in CBND^{TdTomato} mouse decreased significantly.

Supplementary Movie 5. Mitochondria transplantation improved the number of Purkinje cells in CBND^{TdTomato} mouse.

Supplementary Movie 6. The Purkinje cells in PC^{TdTomato} mouse showed normal soma and processes.

Supplementary Movie 7. The soma of Purkinje cells became smaller and its processes disappeared in CBND^{TdTomato} mouse.

Supplementary Movie 8. Mitochondria transplantation rescued Purkinje cells damage in CBND^{TdTomato} mice at early stage.