Ikeda *et al.* Figure S1

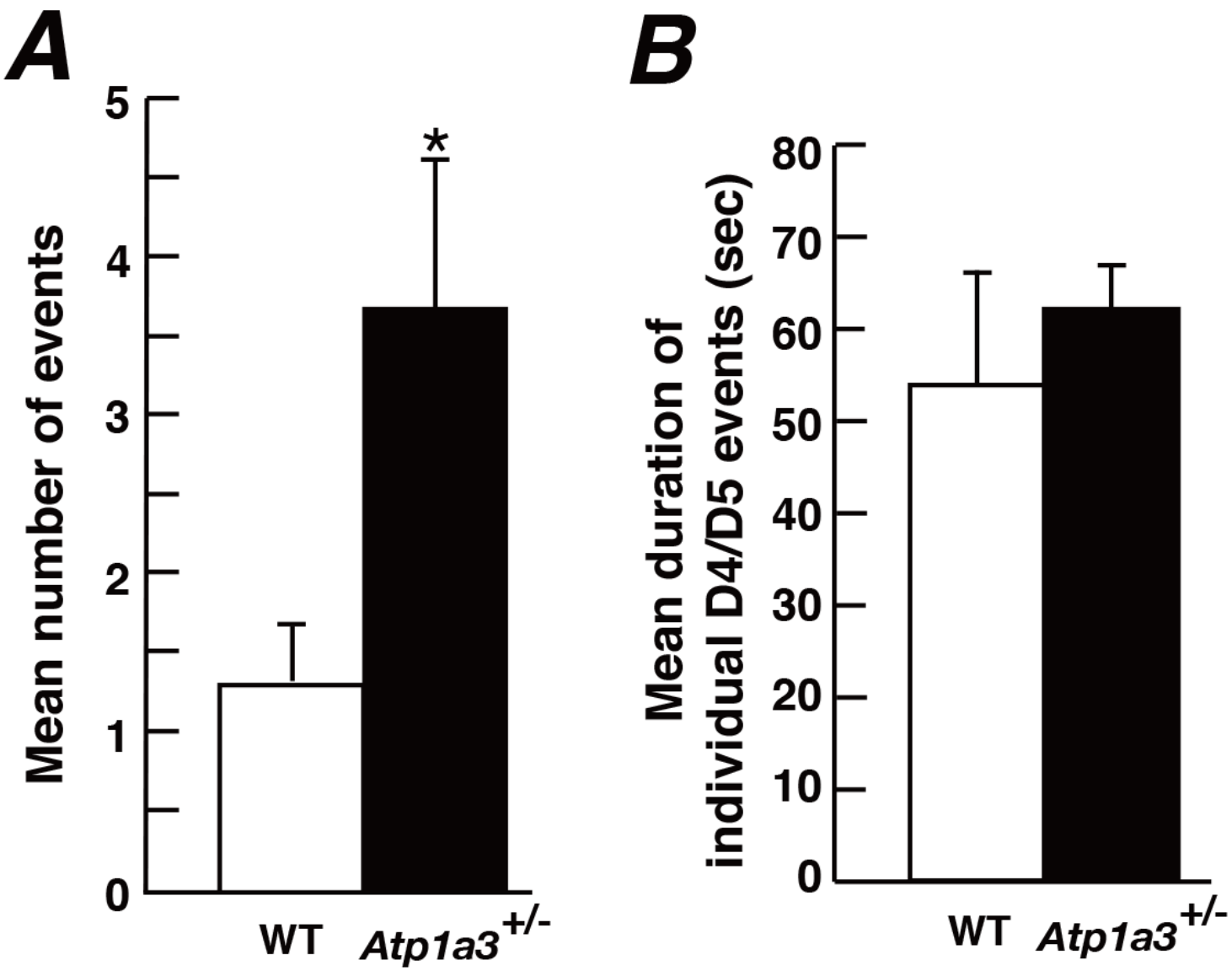

Fig. S1. Effects of injection of kainate into the cerebellum. ***A***, Mean number of dystonic response with score D4/D5 (Pizoli *et al.* 2002) during 2hr observation. The number of events was significantly higher in *Atp1a3*$^{+/-}$ than WT. ***B***, The mean duration of individual D4/D5 response was not different between *Atp1a3*$^{+/-}$ and WT. $n = 16$ (WT) and $n = 15$ (*Atp1a3*$^{+/-}$). Data are mean ± SEM. Open bars: WT, solid bars: *Atp1a3*$^{+/-}$. *$p < 0.05$.

Ikeda *et al.* Supplemental Fig.S2

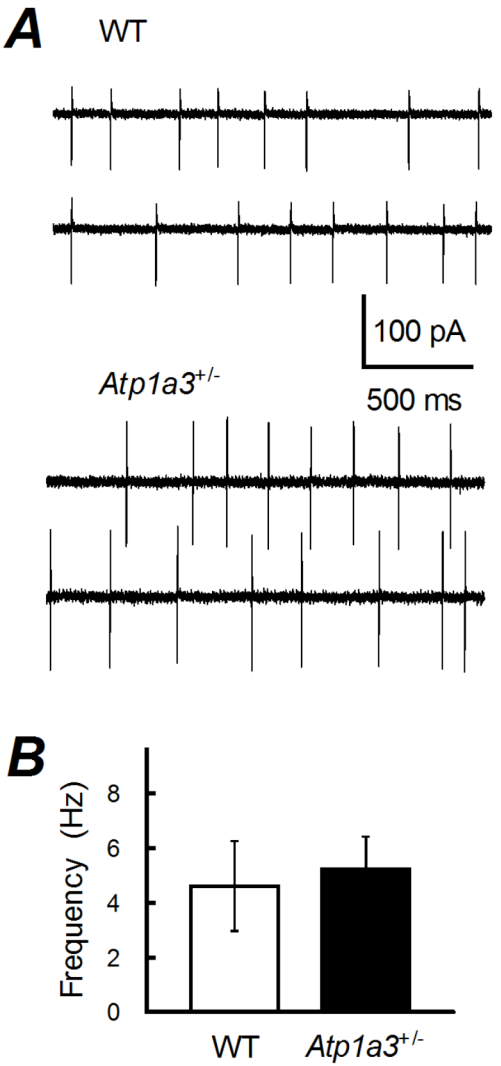

Fig. S2. Comparison of the spontaneous action potential firing of presynaptic ML interneurons in WT and *Atp1a3*$^{+/-}$. ***A*,** Successive traces of spontaneously occurring action potentials recorded from single interneurons in WT and *Atp1a3*$^{+/-}$. ***B*,** Summary of the action potential firing frequency of WT (open bar, n = 15) and *Atp1a3*$^{+/-}$ (solid bar, n = 10).