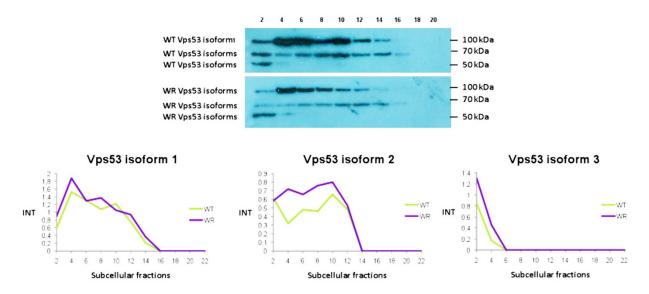
## **Supplementary Information**

**Figure S1.** Vps53 is not mis-distributed but less abundant in  $Vps54^{wr/wr}$  brains. Vps53 isoforms in size fractionated membrane compartments form wilt type (WT) wobbler (WR) brain extracts. Every second fraction, fraction 2 to 20 was separated on SDS-PAGE, Western blotted and immunostained for Vps53 (rabbit anti Vps53, ABIN). The each band was quantified by densitometry and WT (green) and WR (purple) Vps53 isoforms were plotted separately.



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