Fig. S3. Amino acid sequence alignment of HPS4 from mouse, human, wild-type and mutant X. laevis.

The Hps4 protein of mutant X. laevis lacks 215–683 amino acids, when compared with that of wild-type X. laevis. Identical residues are shaded. Asterisks (*) show critical residues reported to be responsible for Rab9 binding in HPS4 in mice (Oishi et al., 2019).

Reference sequences: mouse HPS4, NP_001346782.1; human HPS4, NP_001336825.1
Accession numbers: +/+ X. laevis hps4.L, LC577762 (DDBJ); a/a X. laevis hps4.L, LC577763 (DDBJ)