

**Suppl. Table 1, Pearson's coefficient of colocalization**

	Mean	SEM
TRPML1-WT	0.82	0.04
R427P	0.59	0.05
C430P	0.33	0.03
C431P	0.35	0.07
Va	0.31	0.03
A433P	0.80	0.05

Confocal images were taken using a Leica (TCS SP5) microscope. Pearson's coefficient of colocalization (between Lamp-1 and EGFP) was calculated by using the JACop plugin of the ImageJ program.

**Dong et al. Suppl. Table 1**