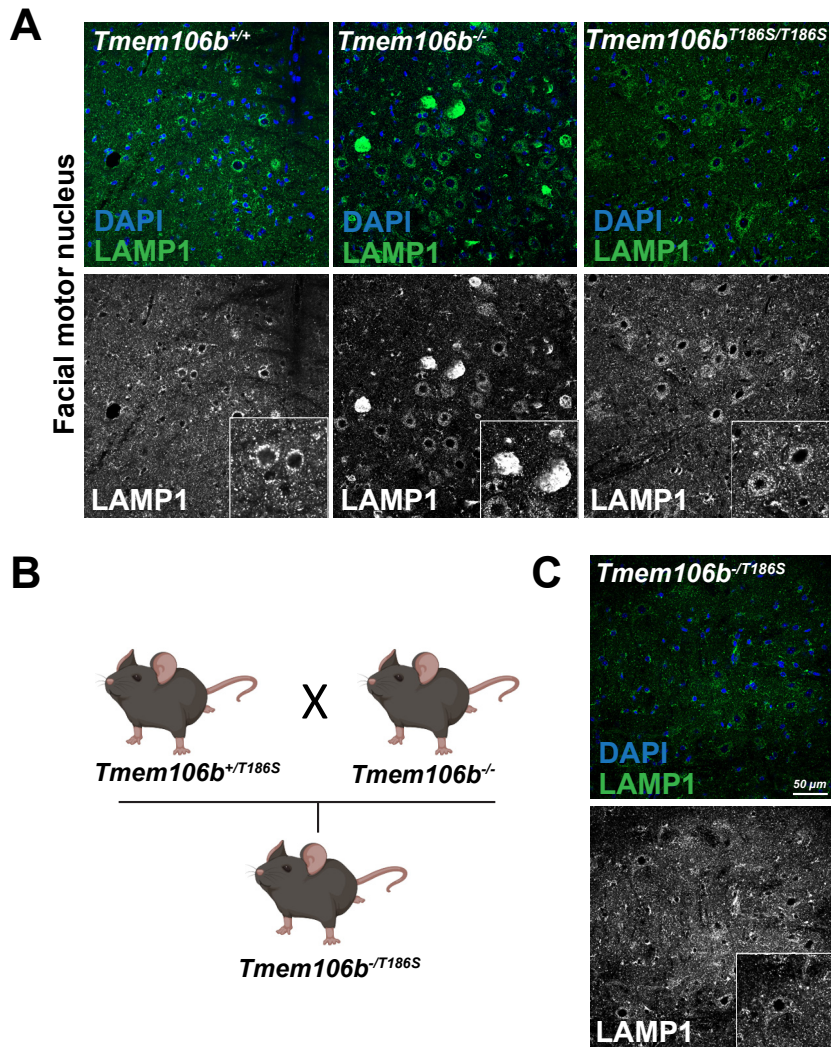
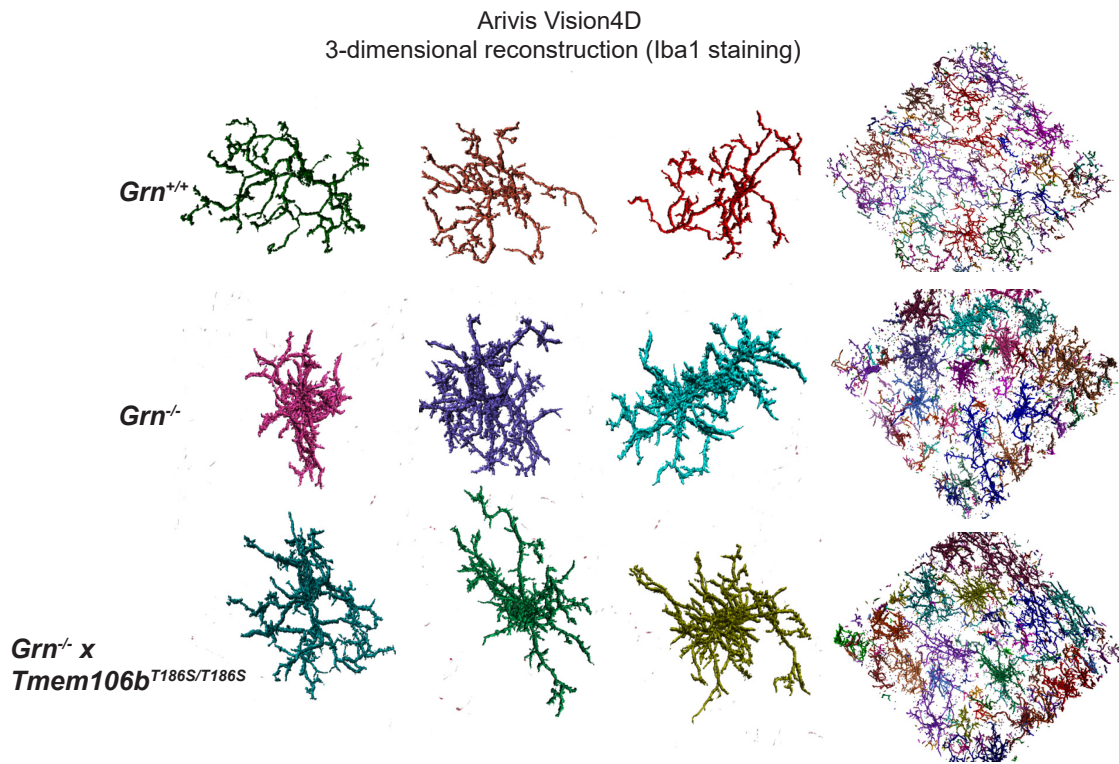


Supplemental Figure 1



Supplementary Fig.1 (A) Representative images of immunofluorescence stainings of the facial motor nucleus of a *wildtype*, *Tmem106b*^{-/-}, *Tmem106b*^{T186S/T186S} mouse with an antibody against LAMP1 (upper panel green, lower panel white). Nuclei are stained with DAPI (upper panel, blue). (B) Breeding scheme depicting the crossing of *Tmem106b*^{+/*T186S*} and *Tmem106b*^{-/-} to produce *Tmem106b*^{-/*T186S*} with one knockout allele and one knockin allele. (C) Representative images of immunofluorescence stainings of the facial motor nucleus of a *Tmem106b*^{-/*T186S*} mouse with an antibody against LAMP1 (upper panel green, lower panel white). Nuclei are stained with DAPI (upper panel, blue).

Supplemental Figure 2



Supplementary Fig.2 Three-dimensional reconstructions of individual Iba-1 stained microglia cells of the thalamus of *Grn*^{+/+}, *Grn*^{-/-} and *Grn*^{-/-} *Tmem106b*^{T186S/T186S} mice (pseudocolored, three examples/genotype) used for cell-volume calculation. The panel on the right depicts overview images used for quantification. 50 images were acquired in the Z-direction and assembled with the arivis Vision4D 3.3 software (Zeiss).