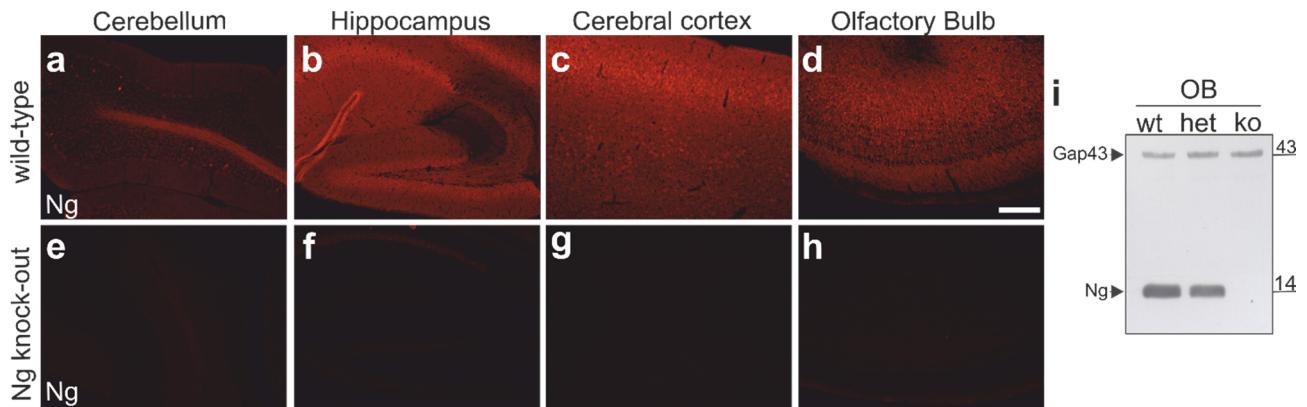


Supplementary materials



Supplementary Figure S1. Characterization of Ng expression in Ng-ko mice. (a–h) Characterization of Ng protein presence by immunofluorescence staining in different brain regions of wt (a–d) and Ng-ko (e–h) mice. Scale bar in d = 200 μ m and applies to (a–h). (i) Western blot analysis on OB extracts indicates the absence of a Ng-positive band (14 KDa) in Ng-ko mice. A band at 43 KDa corresponding to Gap43 is present in all three genotypes at comparable intensity.

	GL	EPL	GCL	SVZ	TOT
wt	1,813 \pm 0,025	1,979 \pm 0,068	2,341 \pm 0,036	0,067 \pm 0,024	6,200 \pm 0,105
het	1,848 \pm 0,029	2,194 \pm 0,091	2,608 \pm 0,053	0,055 \pm 0,005	6,705 \pm 0,168
Ng-ko	1,822 \pm 0,001	2,039 \pm 0,178	2,428 \pm 0,004	0,064 \pm 0,004	6,353 \pm 0,183

Supplementary Table S1. Volume of OB layers. The volume ($\text{mm}^3 \pm$ standard deviation) of each OB layer is shown in wild type (wt), heterozygotes (het) and Ng-knock-out mice (Ng-ko); n = 2 for each genotype.