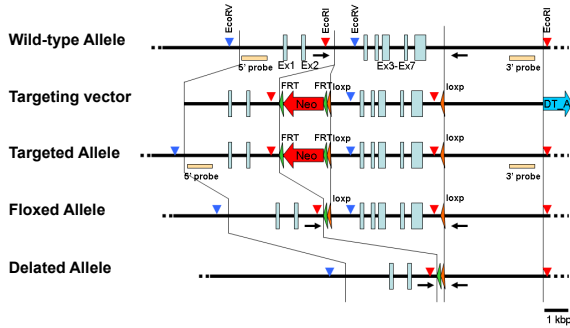


Supplementary Figure 1

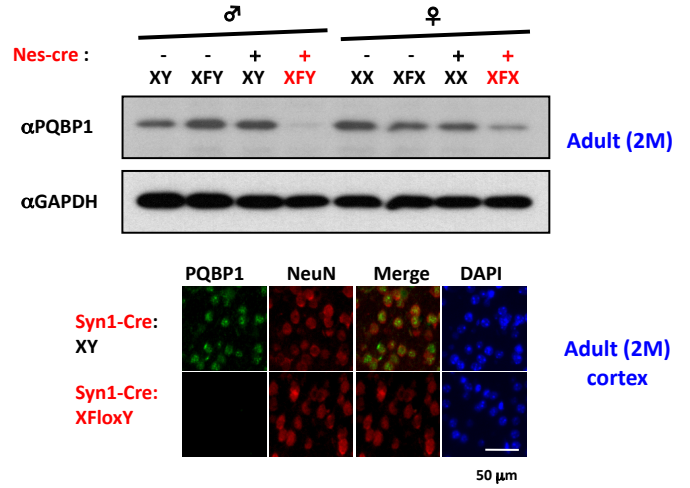
A

Gene targeting of PQBP1

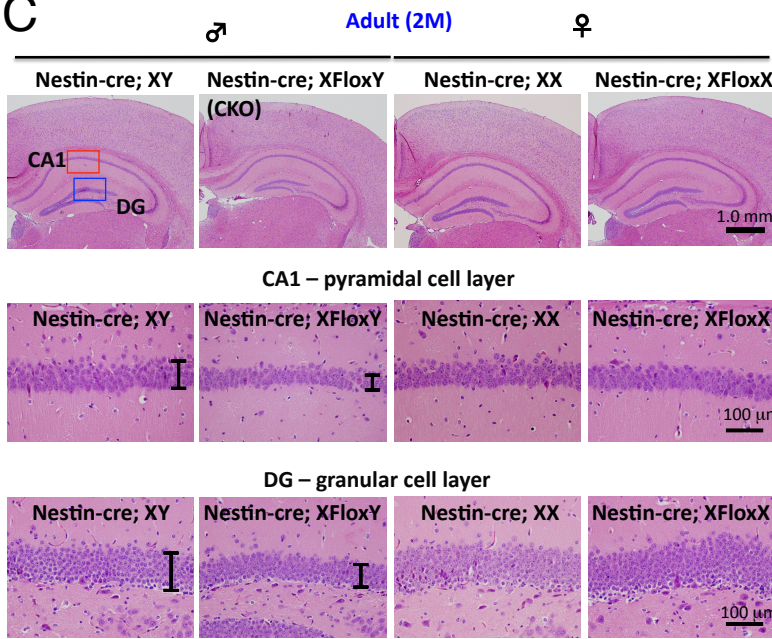


B

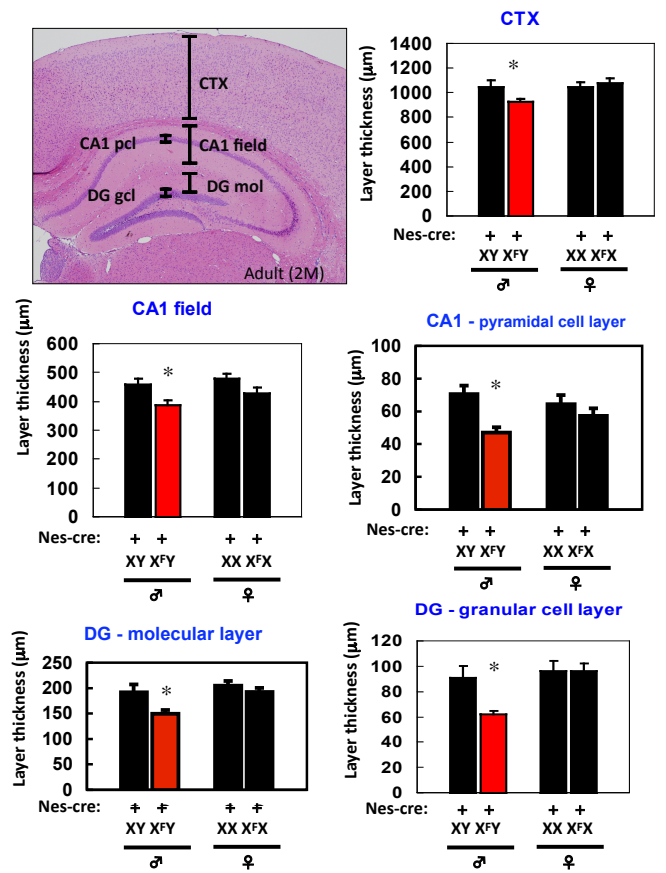
Expression check of PQBP1 by Western blot and IHC



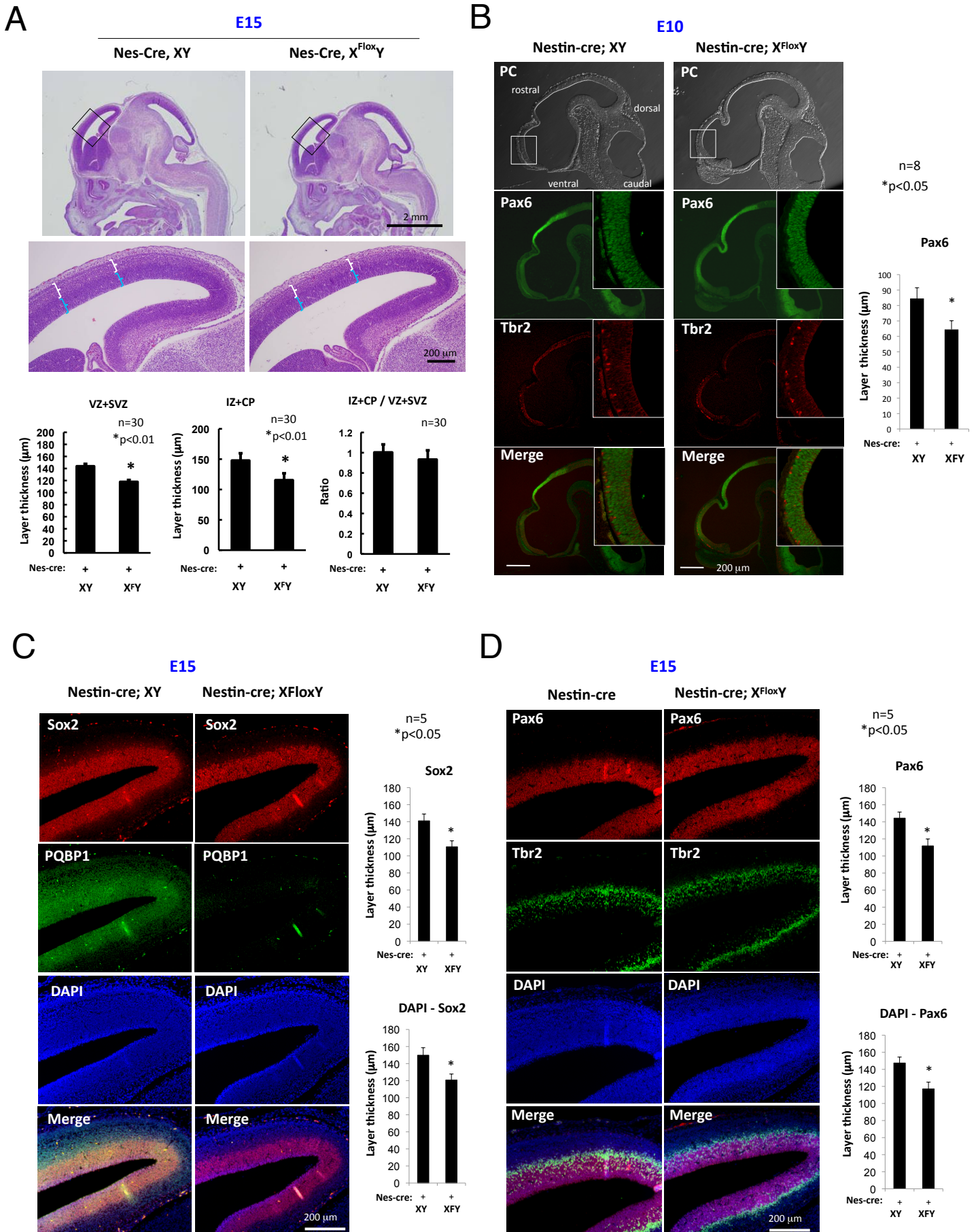
C



D

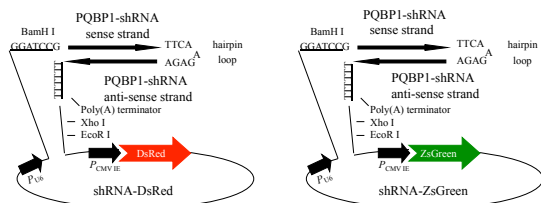


Supplementary Figure 2

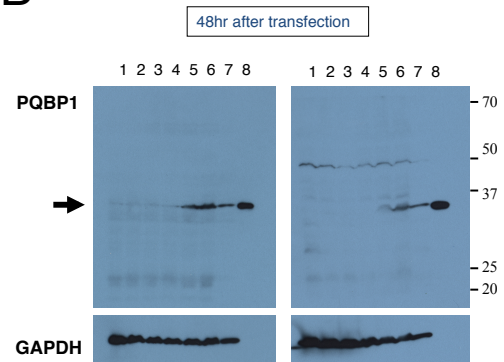


Supplementary Figure 4

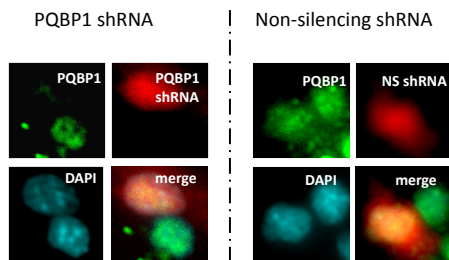
A



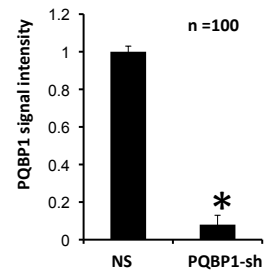
B



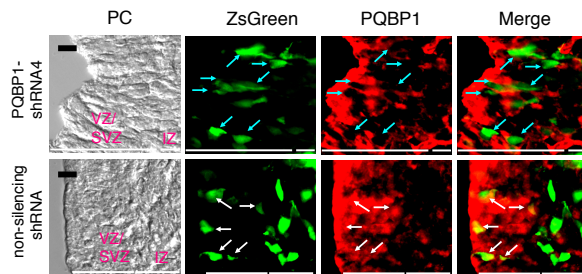
C



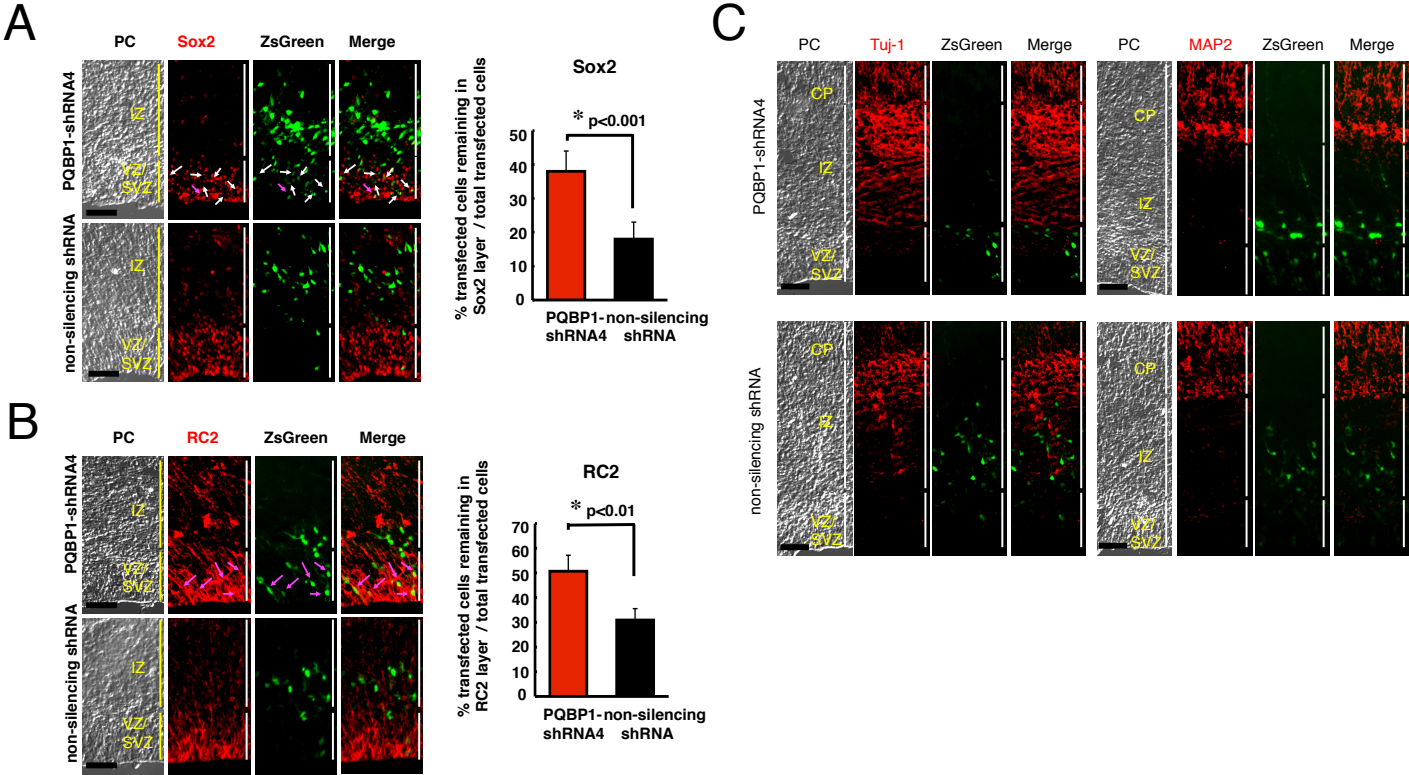
D



E

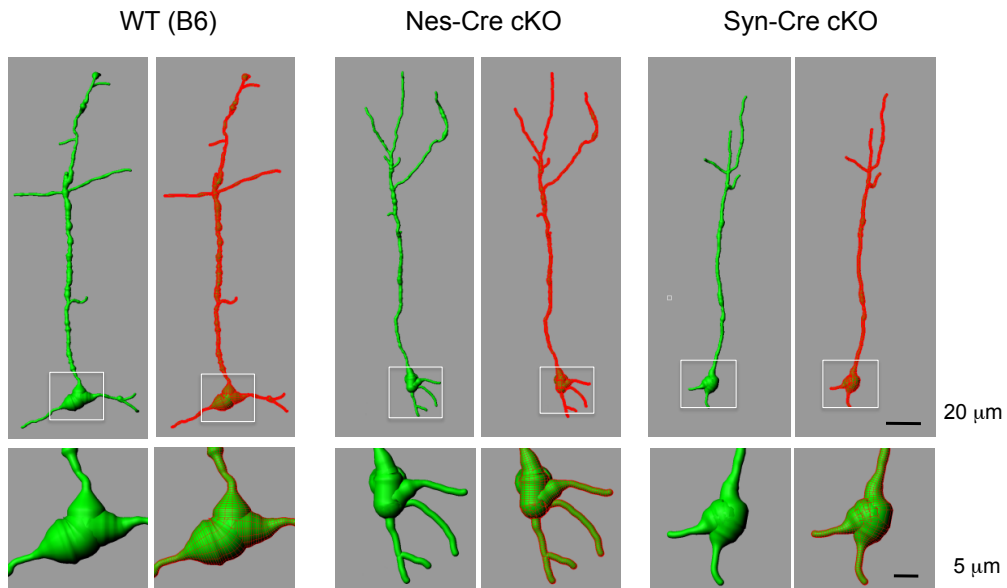


Supplementary Figure 5

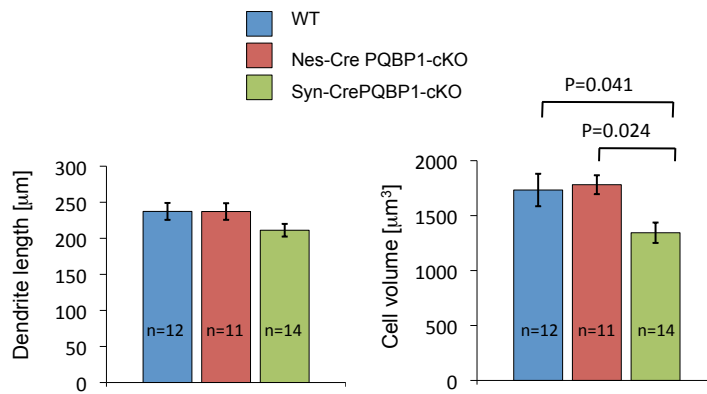


Supplementary Figure 6

A

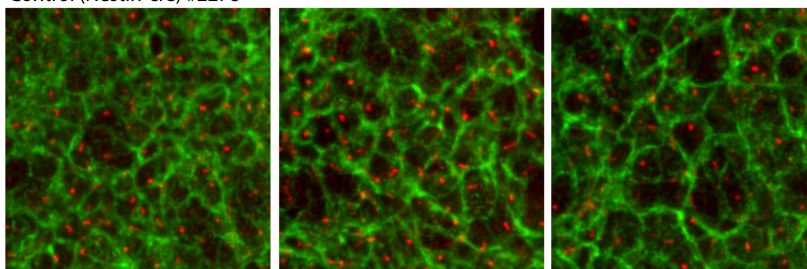


B

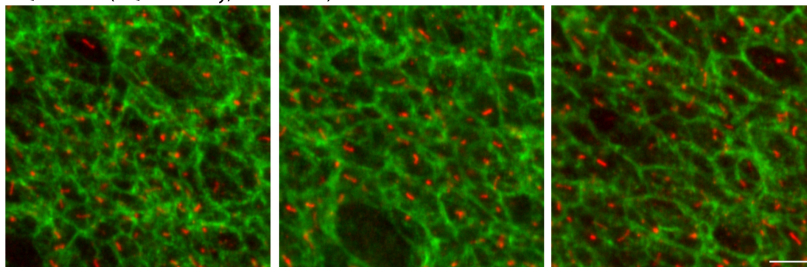


C

Cortical ventricular surface (whole mount, Red AC3, Green betaCatenin)
Control (Nestin-cre) #2278



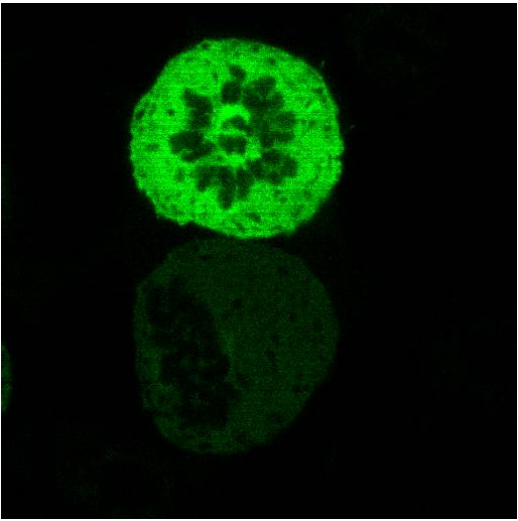
PQBP1 cko (PQBP1 flox/y, Nestin-cre) #2276



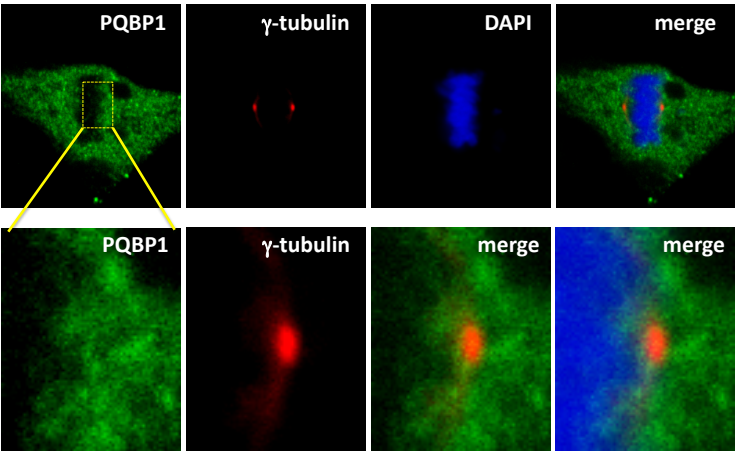
5 μm

Supplementary Figure 7

A

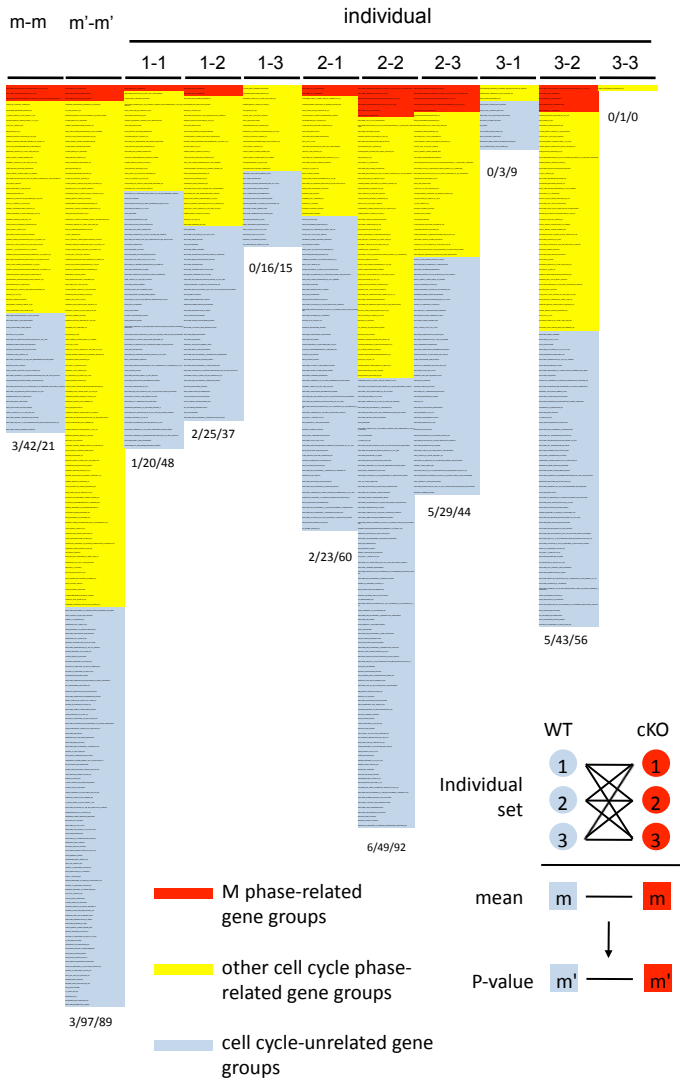


B

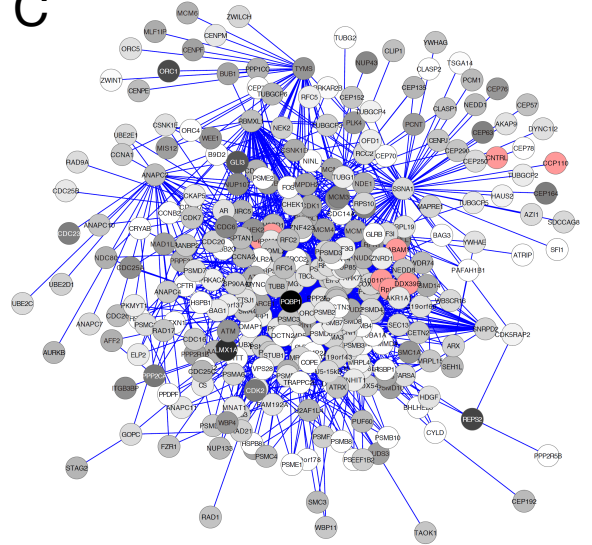


Supplementary Figure 8

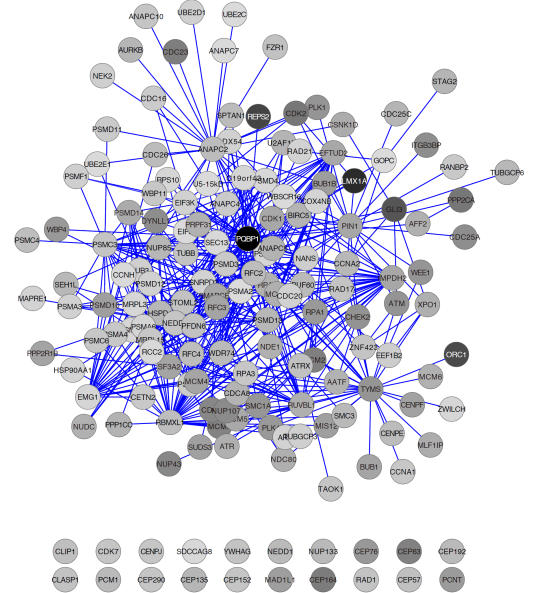
A



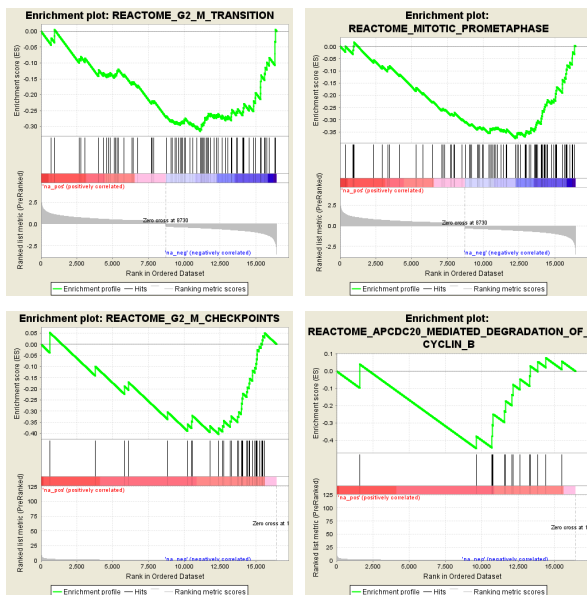
C



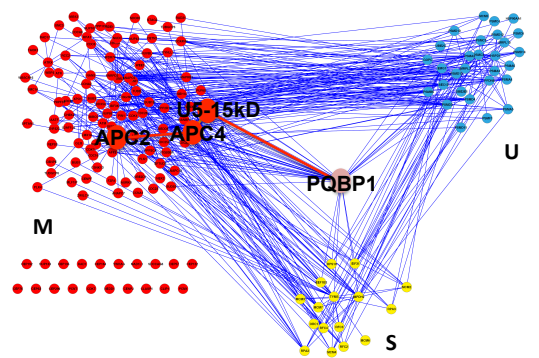
D



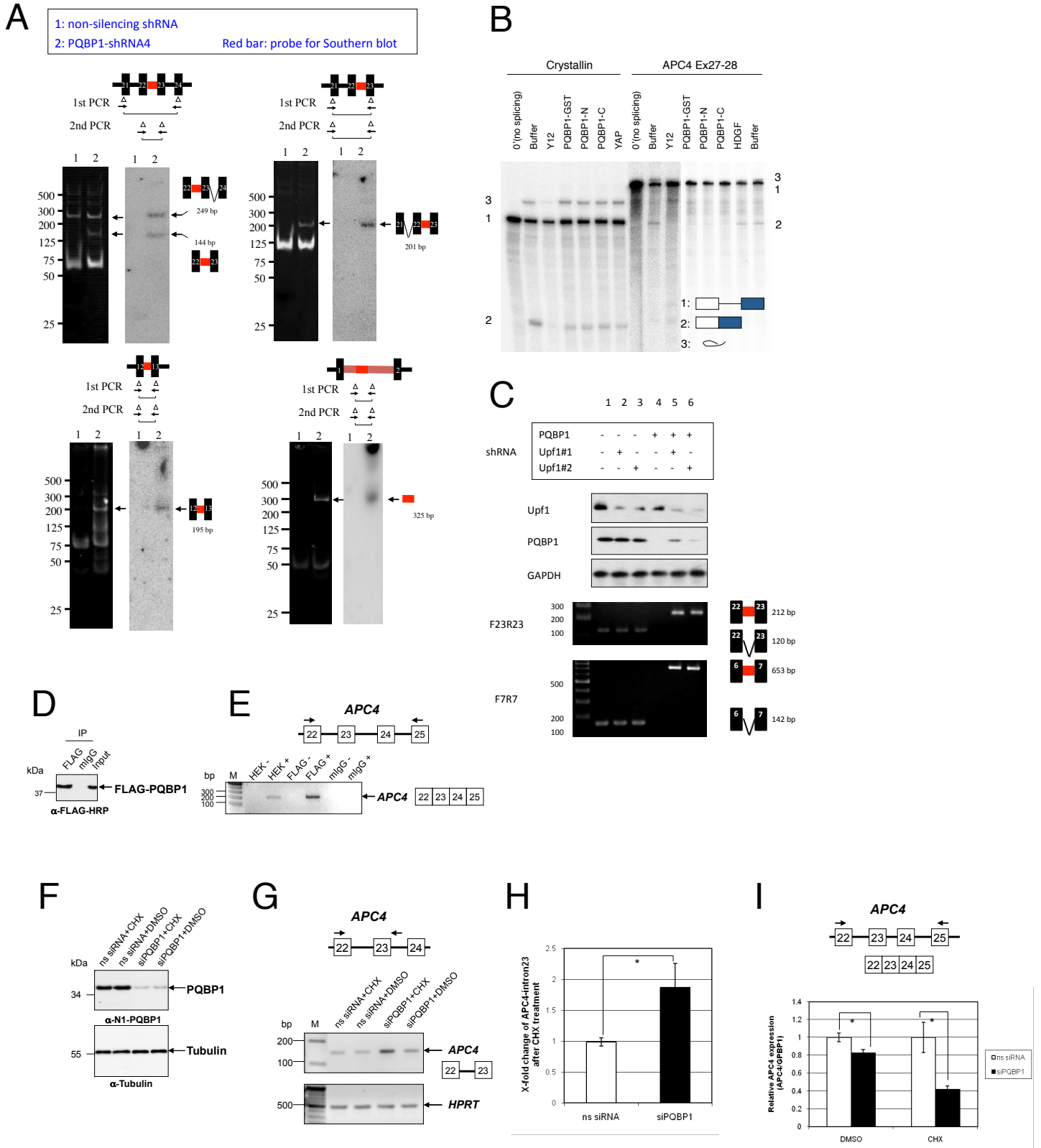
B



E



Supplementary Figure 9

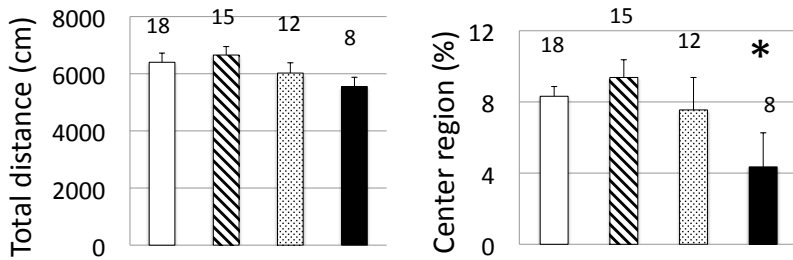


Supplementary Figure 10

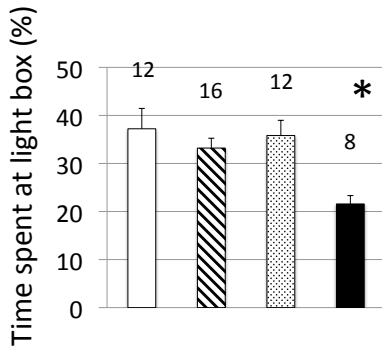
Nes-cKO behavior test 3M



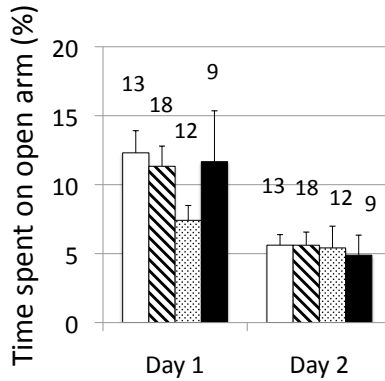
A: Open Field



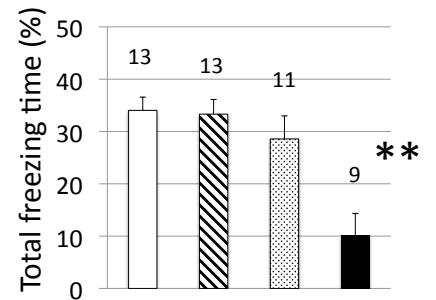
B: Light-Dark Box



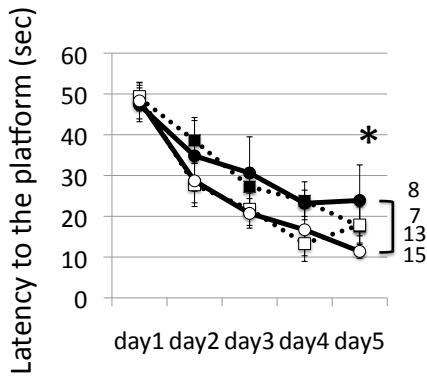
C: Elevated plus maze



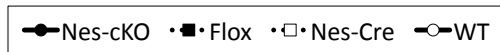
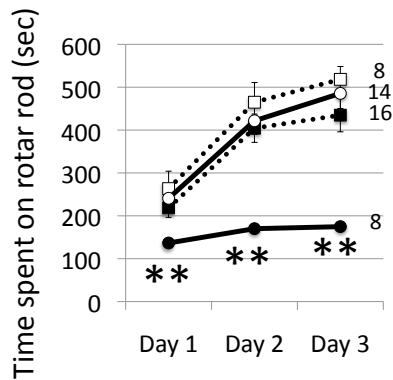
D: Fear-conditioning



E: Water maze

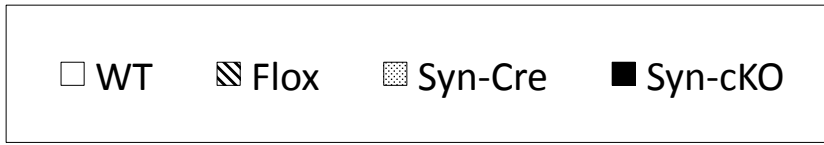


F: Rotarod

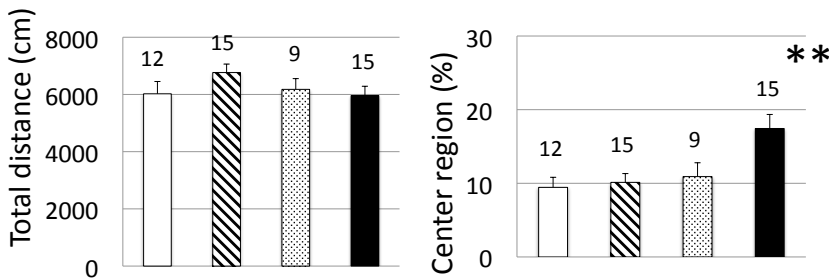


Supplementary Figure 11

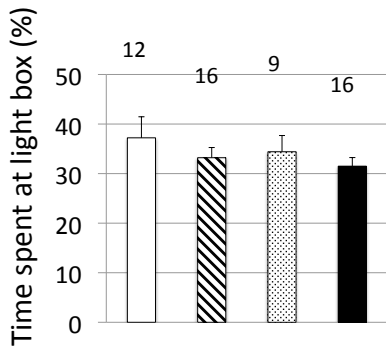
Syn-cKO behavior test 3M



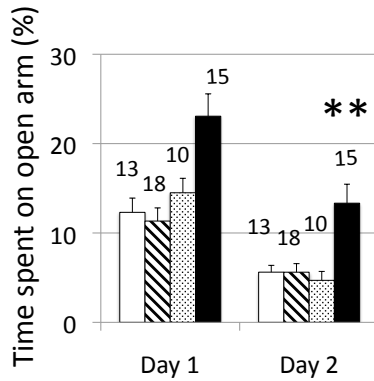
A: Open Field



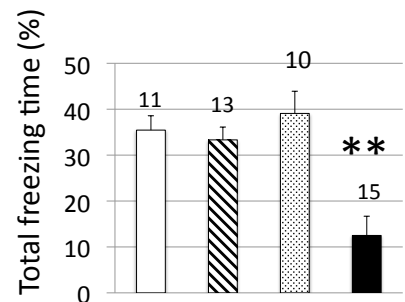
B: Light-Dark Box



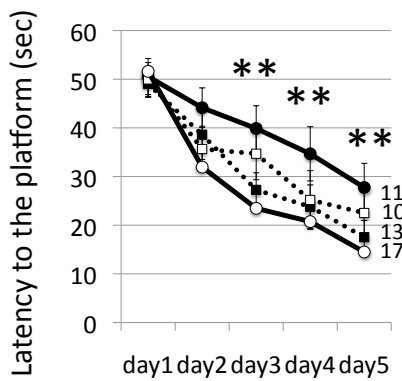
C: Elevated plus maze



D: Fear-conditioning



E: Water maze



F: Rotarod

