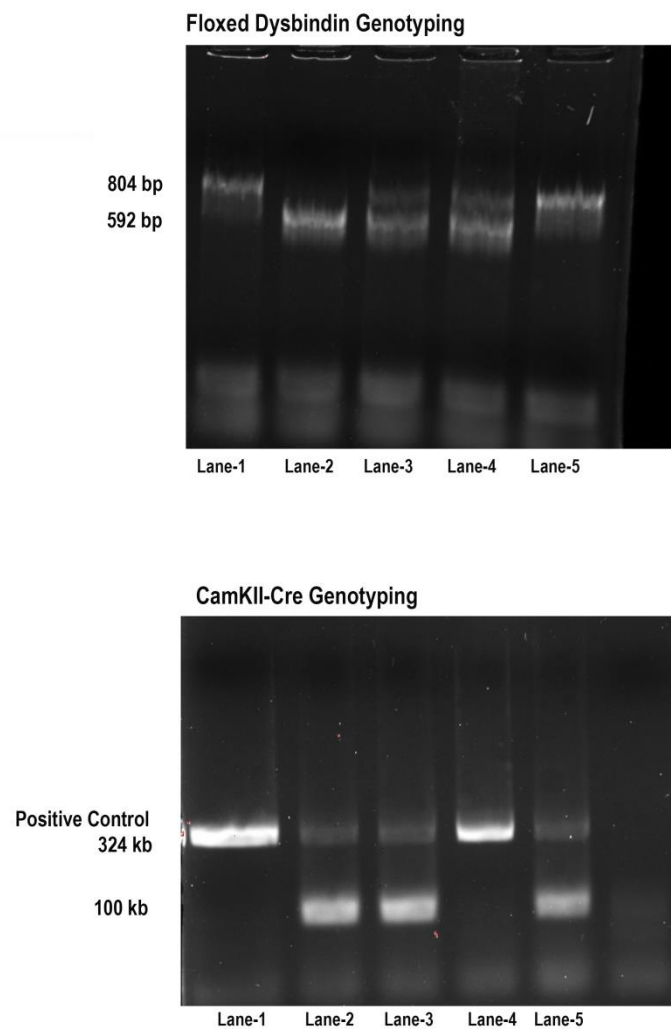


Loss of dysbindin-1 in excitatory neurons in mice impacts NMDAR-dependent behaviors, neuronal morphology and synaptic transmission in the ventral hippocampus.

Sanjeev K. Bhardwaj, Moushumi Nath, Tak Pan Wong and Lalit K. Srivastava

Supplementary Figure-1A: Raw gel blots images of Dysbindin-1 and CaMKII genotyping.

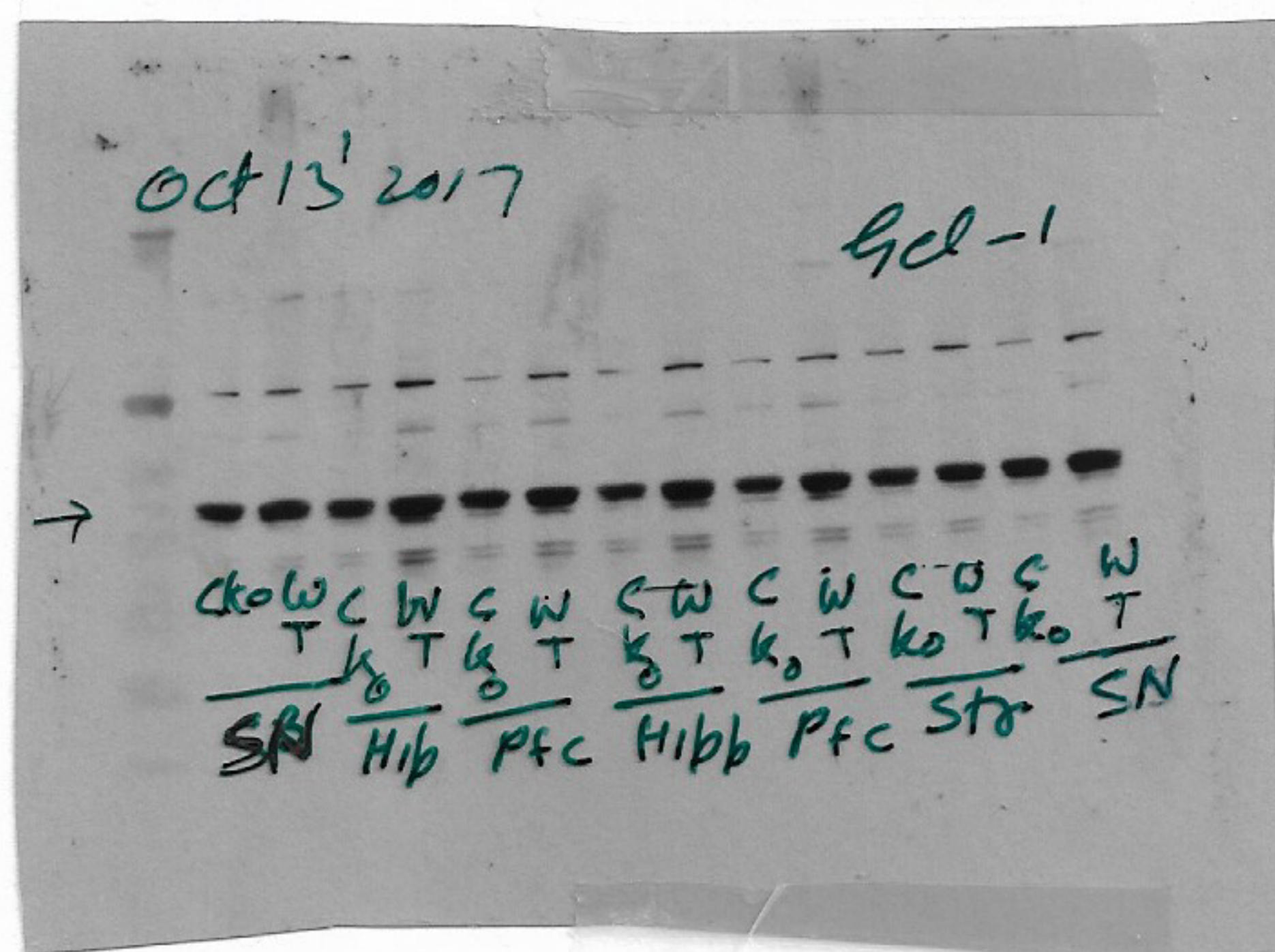
(Cropped lanes from these raw blots are presented in manuscript (Bhardwaj et al) as Figure-1A.



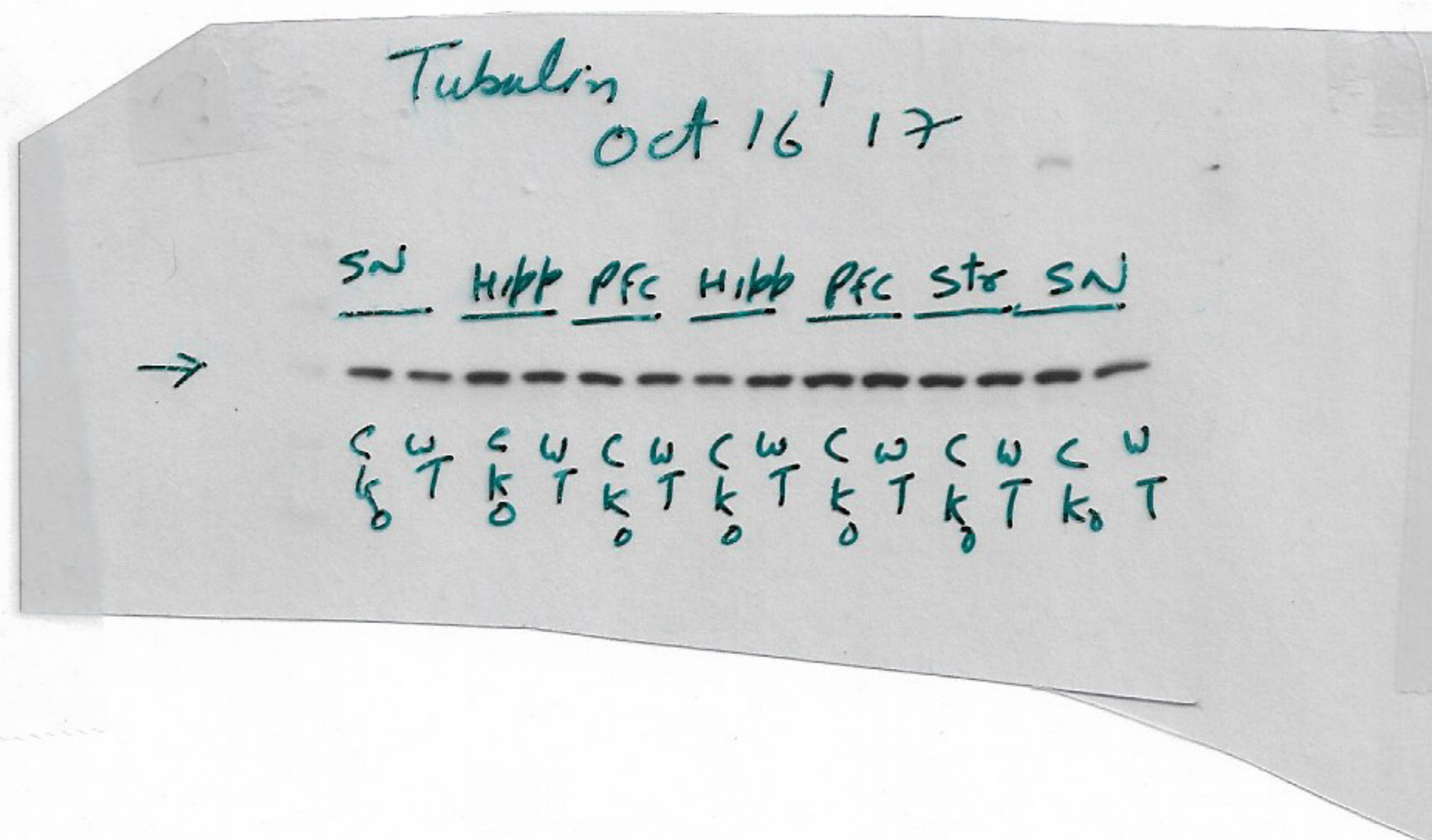
Supplementary Figure-2: Raw western blot images of Dysbindin-1 (2A) and housekeeping protein α -Tubulin (2B) in SN/VTA, Hippocampus, PFC and striatum (STR) brain regions of control (c) and cKO animals.

(Cropped bands from these raw gel blots are presented in Manuscript (Bhardwaj et al as Figure-1B)

2A



2B



(Cropped bands from these raw gel blots are presented in Manuscript (Bhardwaj et al as Figure-10A)

NR₁ May 18' 22

C Ck C Ck C Ck C Ck C Ck C k.

→

PFC Hbb str SN PFC Hbb

|—————| |—————|)

animal Set-4 Set-5

NR_2A

May 20¹ 22

C C₆C C₈C C₆C C₆C C₆C C₆C

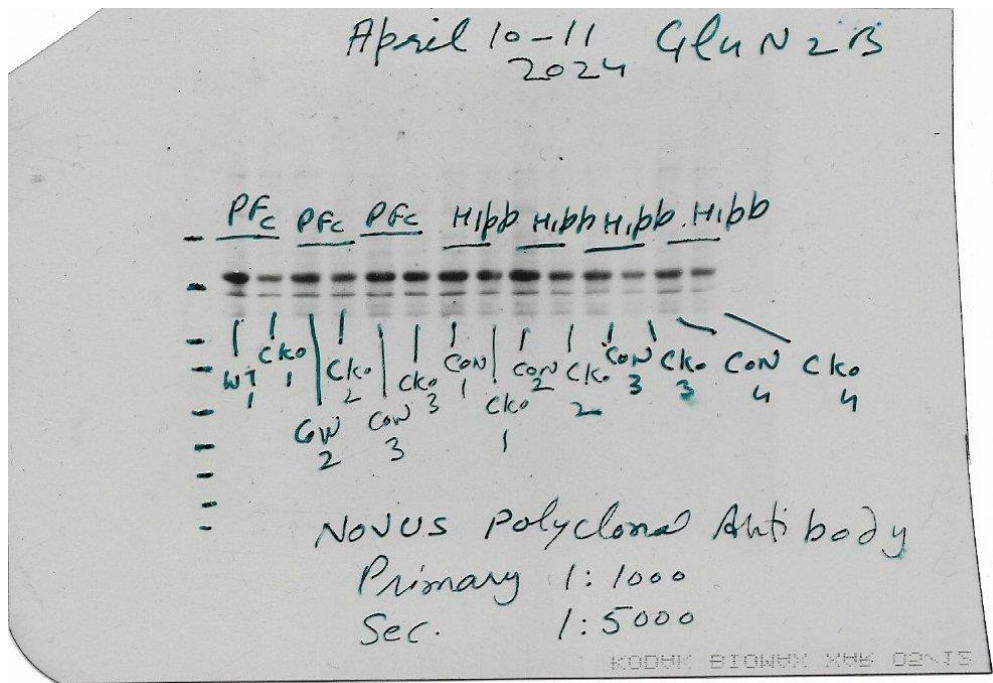
PF Hib Sr SN Pf₂ Hibh

[illegible]

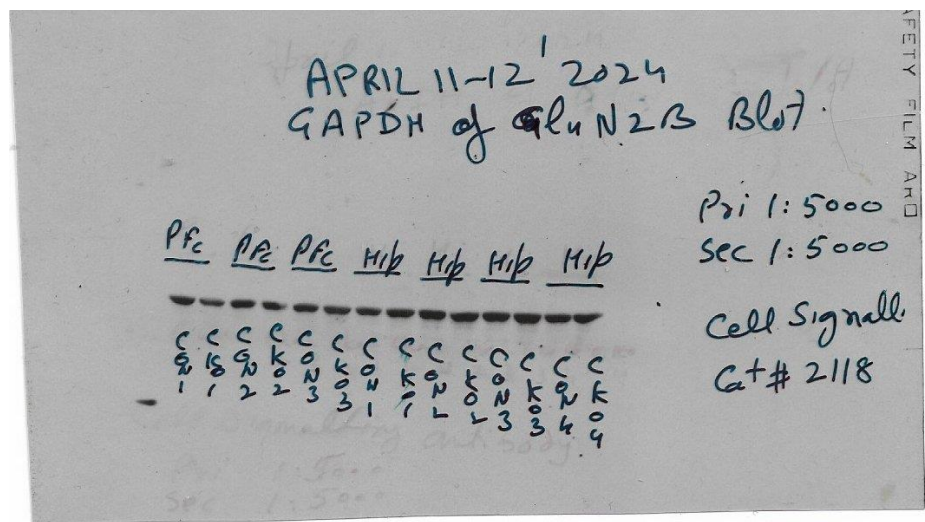
Supplementary Figure-4: Raw western blot images of GluN-2B (2A) and housekeeping protein GAPDH (2B) in PFC and Hippocampus brain regions of control and cKO animals.

(Cropped bands from these raw gel blots are presented in Manuscript (Bhardwaj et al as Figure-11A)

2A



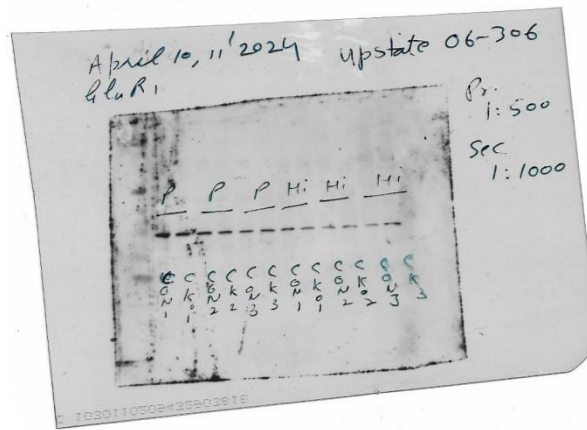
2B



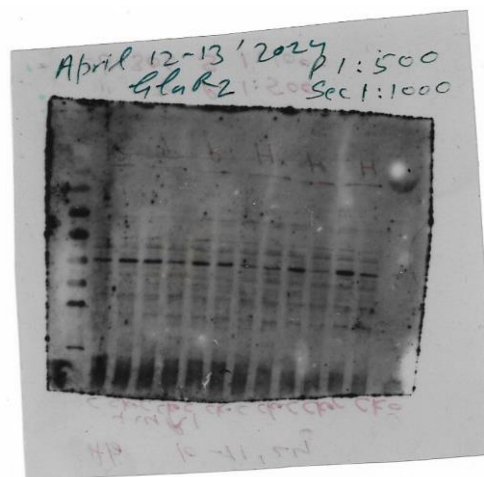
Supplementary Figure-5: Raw western blot images of AMPA receptor subunits GluR1 (5A), GluR2 (5B) and housekeeping protein GAPDH (5C) in PFC and Hippocampus brain regions of control and cKO animals.

(Cropped bands from these raw gel blots are presented in Manuscript (Bhardwaj et al as Figure-12A)

3A



3B



April 11-12' 24
 GAPDH - GluR1

< $\frac{1}{2}$ < E < E < E < E < E < E < E < E

PP PP PP Hip Hipb Hipb