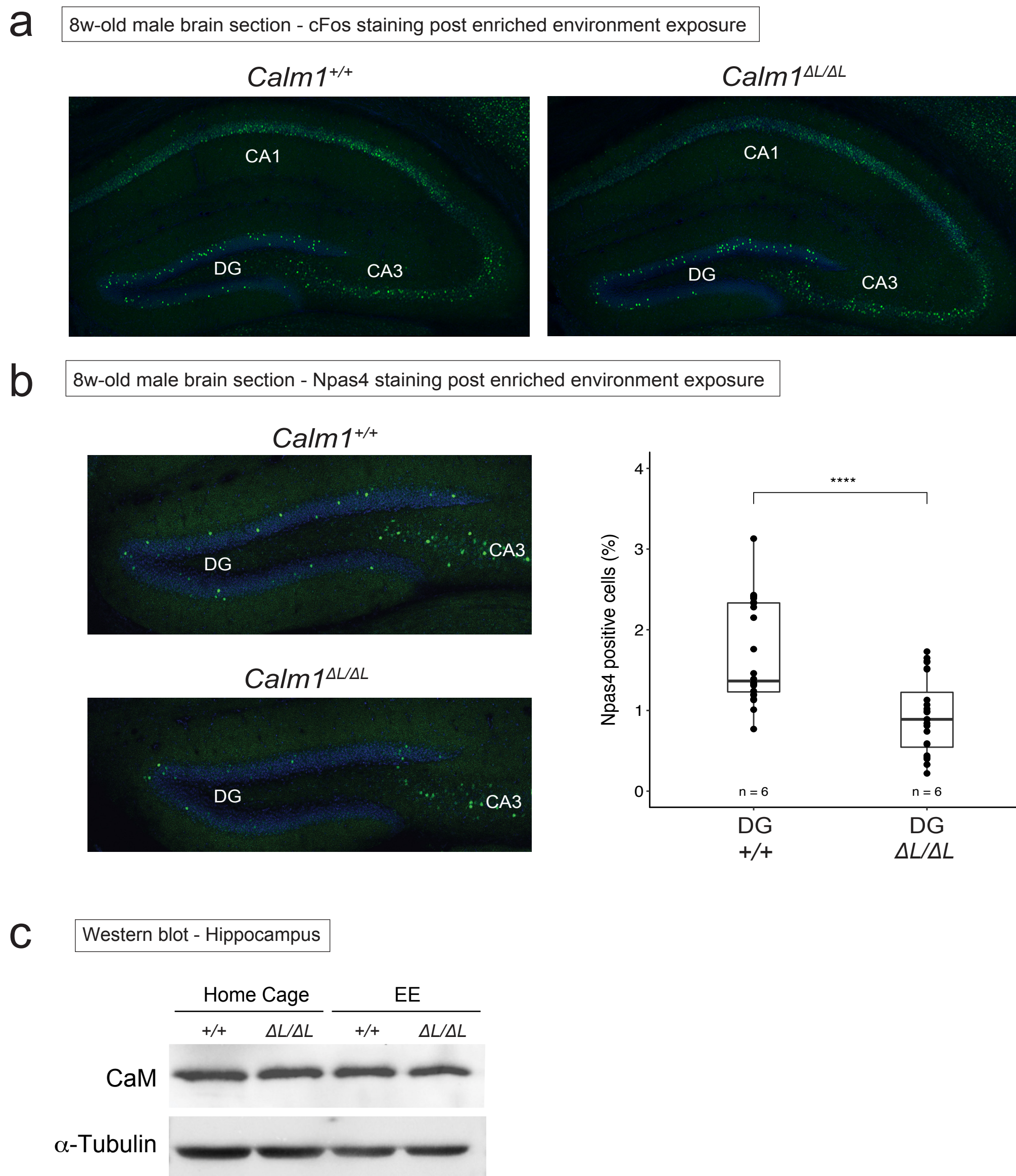


Supplemental Figure 4



Supplemental Figure 4. Calm1-L loss reduces hippocampal IEG expression in response to enriched environment exposure. (a) Full stitched images showing cFos expression in *Calm1*^{ΔL/ΔL} mice was reduced compared to *Calm1*^{+/+} controls. Blue – DAPI. Green – cFos. (b) Reduced Npas4 expression post EE in hippocampus of *Calm1*^{ΔL/ΔL} compared to *Calm1*^{+/+}. Blue – DAPI. Green – Npas4. Right side shows % of Npas4 positive cells. Significance was determined using t-test, ****: $p \leq 0.0001$. $n = 6$ mice (2 hemispheres in 2 brain sections for each mouse). (c) Western blot analysis of CaM in hippocampus shows no difference between *Calm1*^{+/+} and *Calm1*^{ΔL/ΔL} in home cage or when exposed to enriched environment. Related to Figure 6.