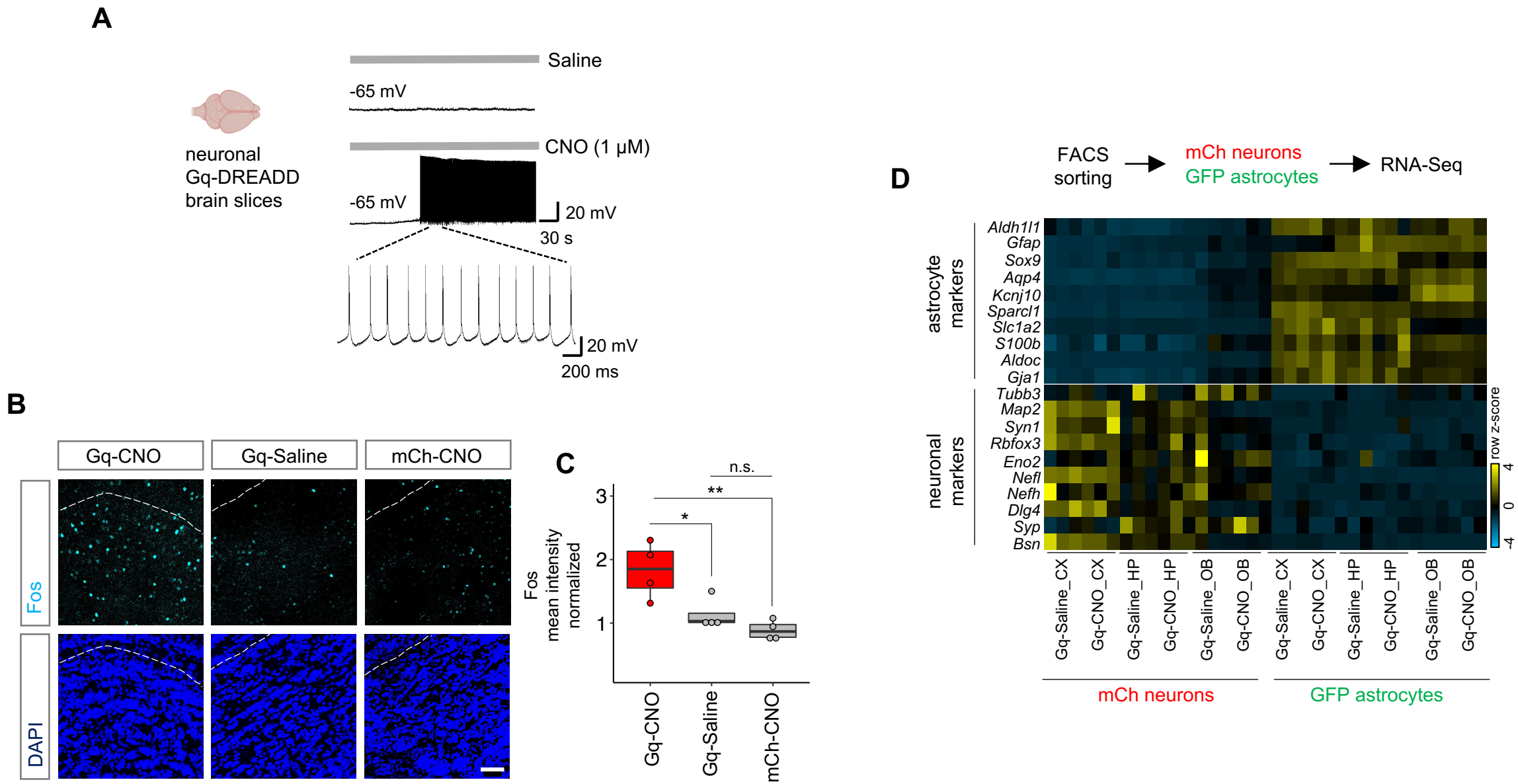
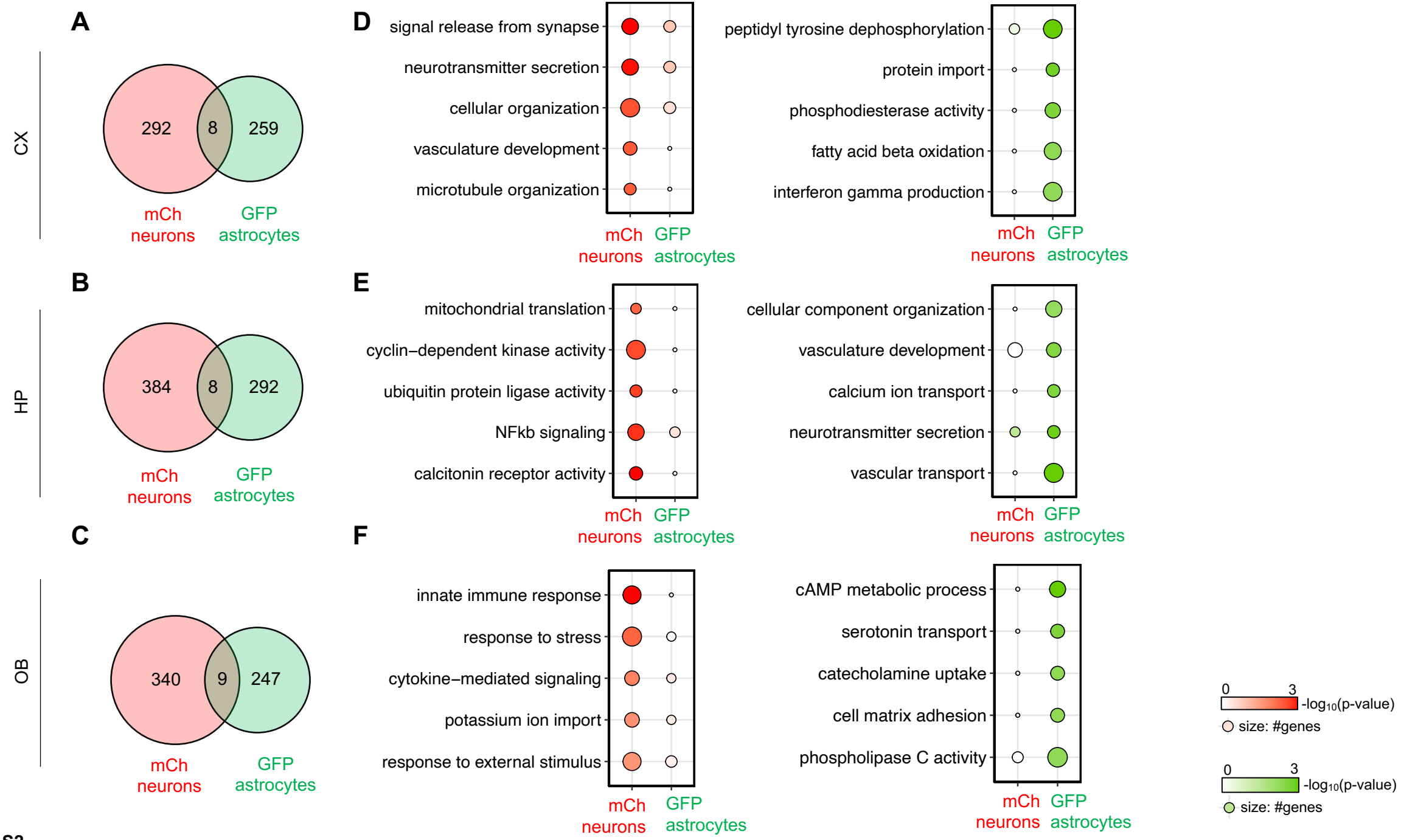
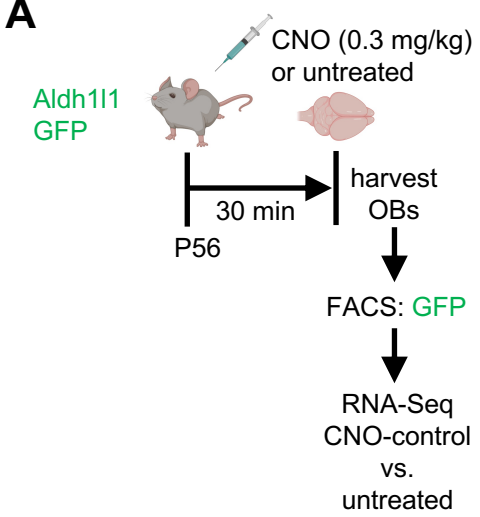


Supp Figure S1

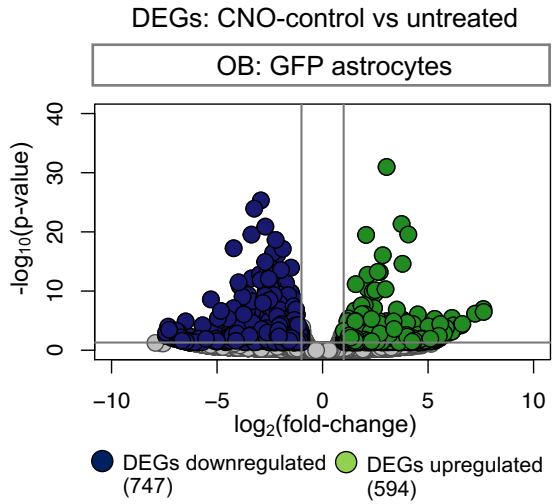


Supp Figure S2

A



B

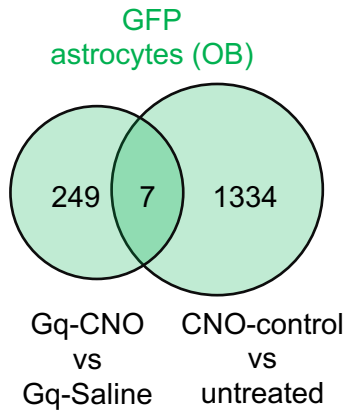


C

OB: GO terms compare with Supp Fig S2F

GOID	GO Term	p-value
GO:0046058	cAMP metabolic process	0.2407
GO:0006837	serotonin transport	-
GO:0090493	catecholamine uptake	-
GO:0098634	cell-matrix adhesion mediator activity	-
GO:0007200	phospholipase C-activating G protein-coupled receptor signaling pathway	0.4619

D



E

7 overlapping genes:

Gene	LFC	p-value
Ddx4	5.417	0.0102
Gm20199	3.946	0.0011
Rttn	2.079	0.0188
Zfp568	2.498	0.0016
Cd68	-2.549	0.0332
Gpr34	-2.344	0.0017
Hk2	-2.395	0.0244

Supp Figure S3

A

GFP astrocytes:
Gq-CNO DEG's
motif enrichment

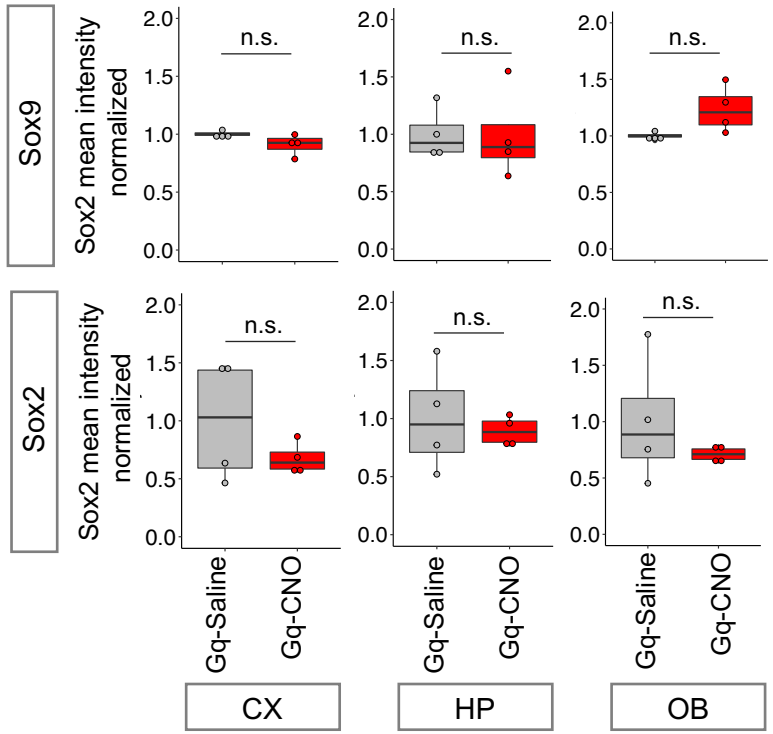
↓

filter TFs based on
astrocyte-specific expression
>1.5-fold over mCh neurons
>150 CPM in GFP astrocytes

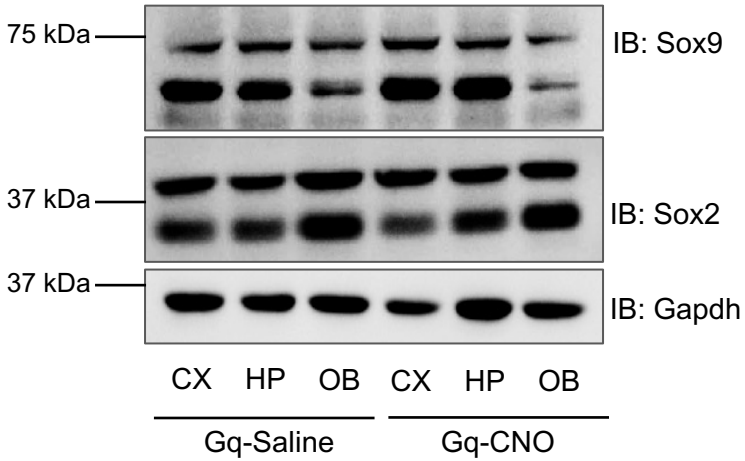
↓

motifs shown in
Fig 1G

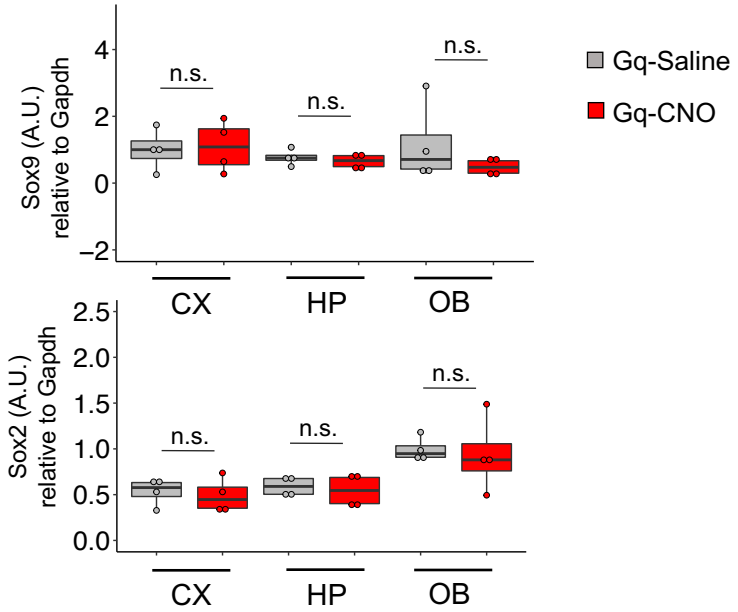
B



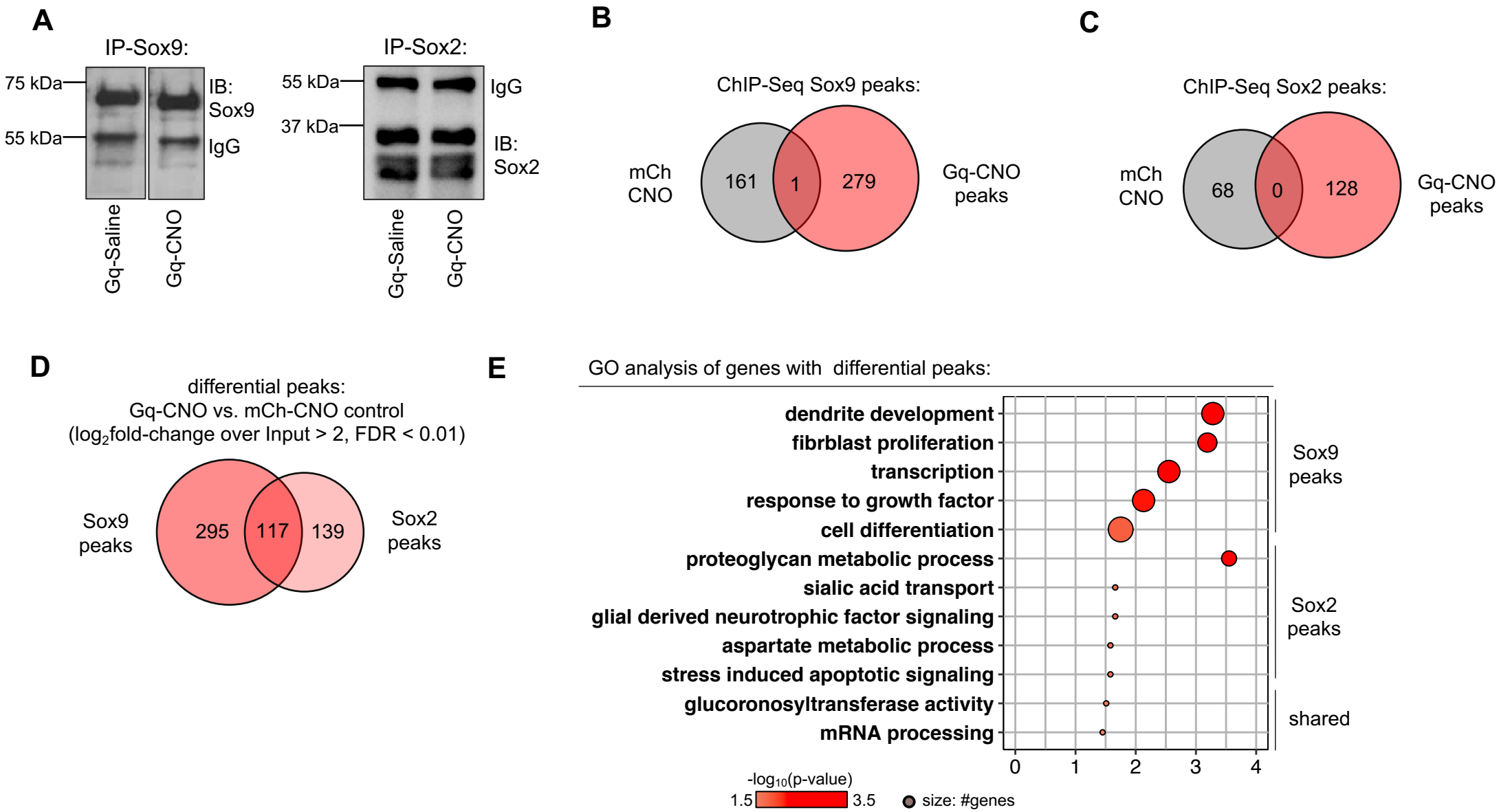
C



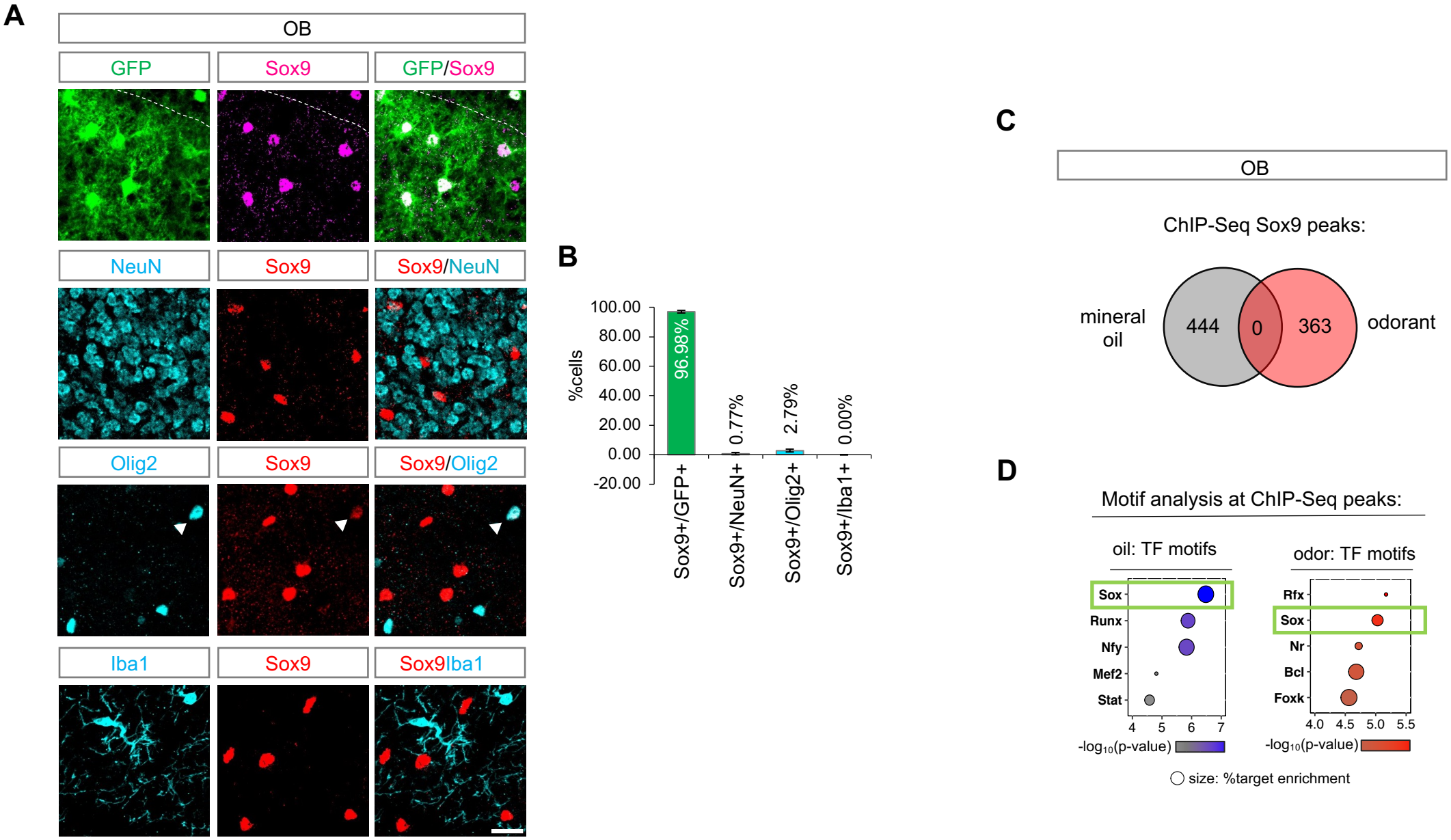
D



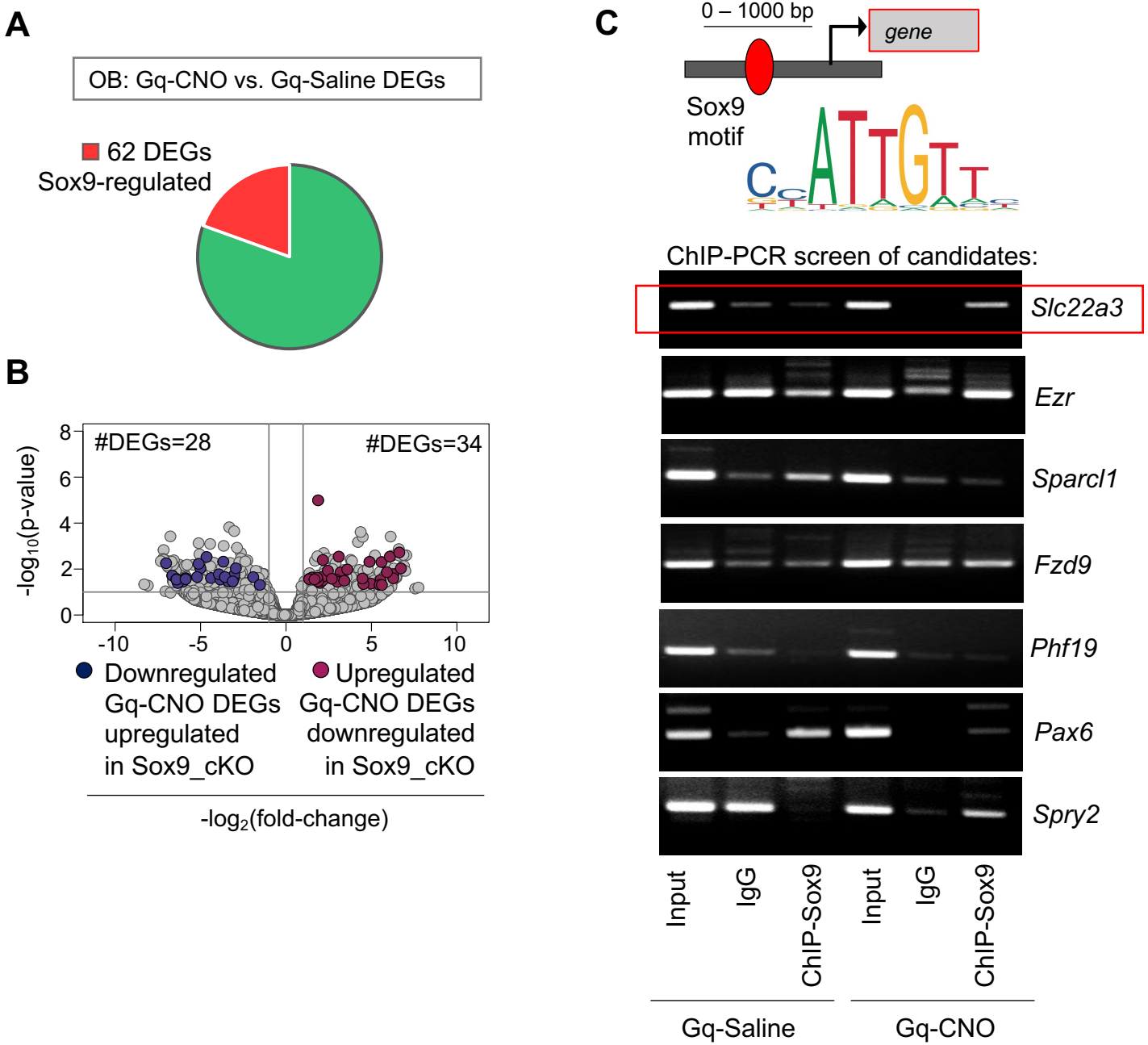
Supp Figure S4



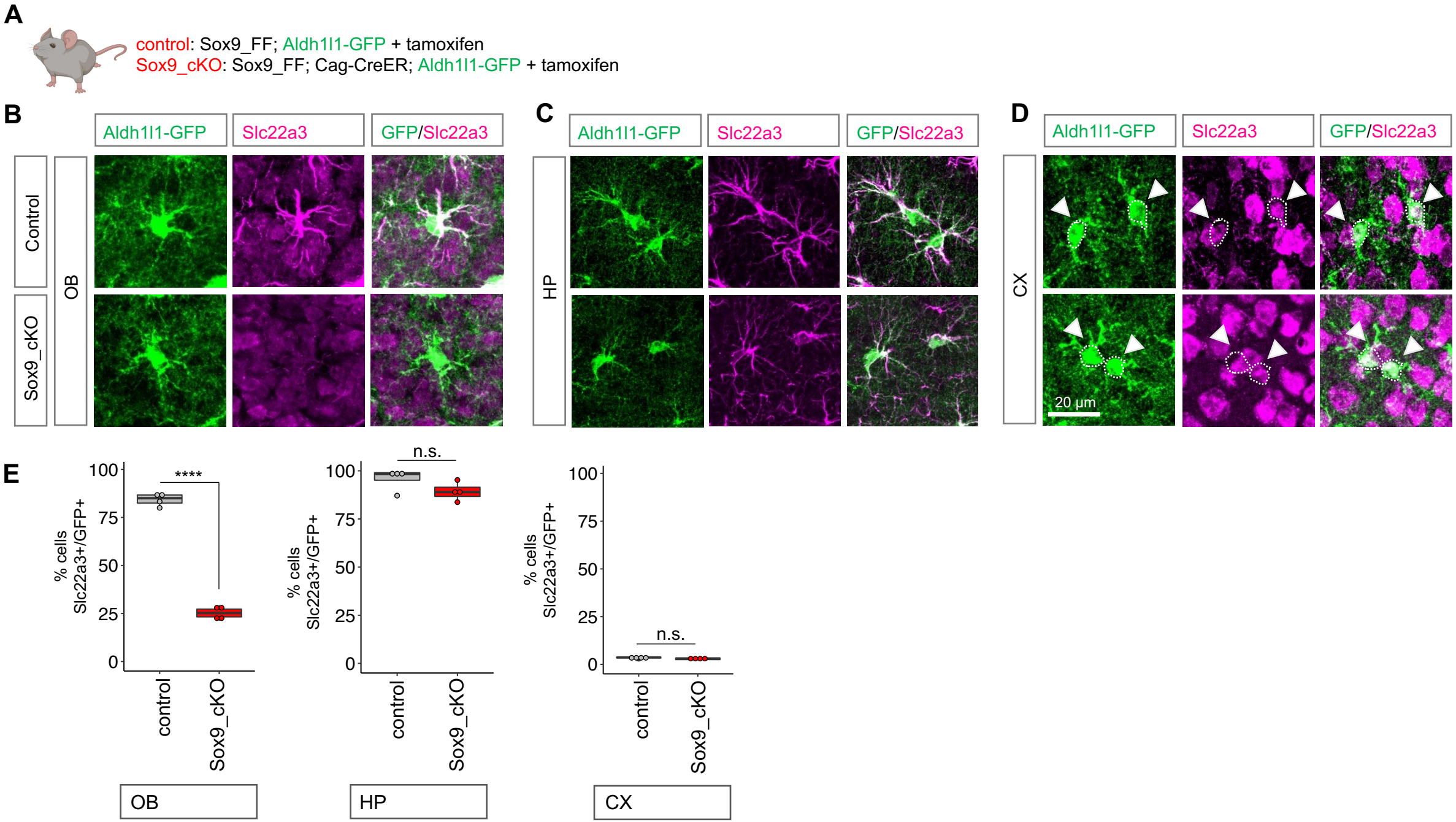
Supp Figure S5



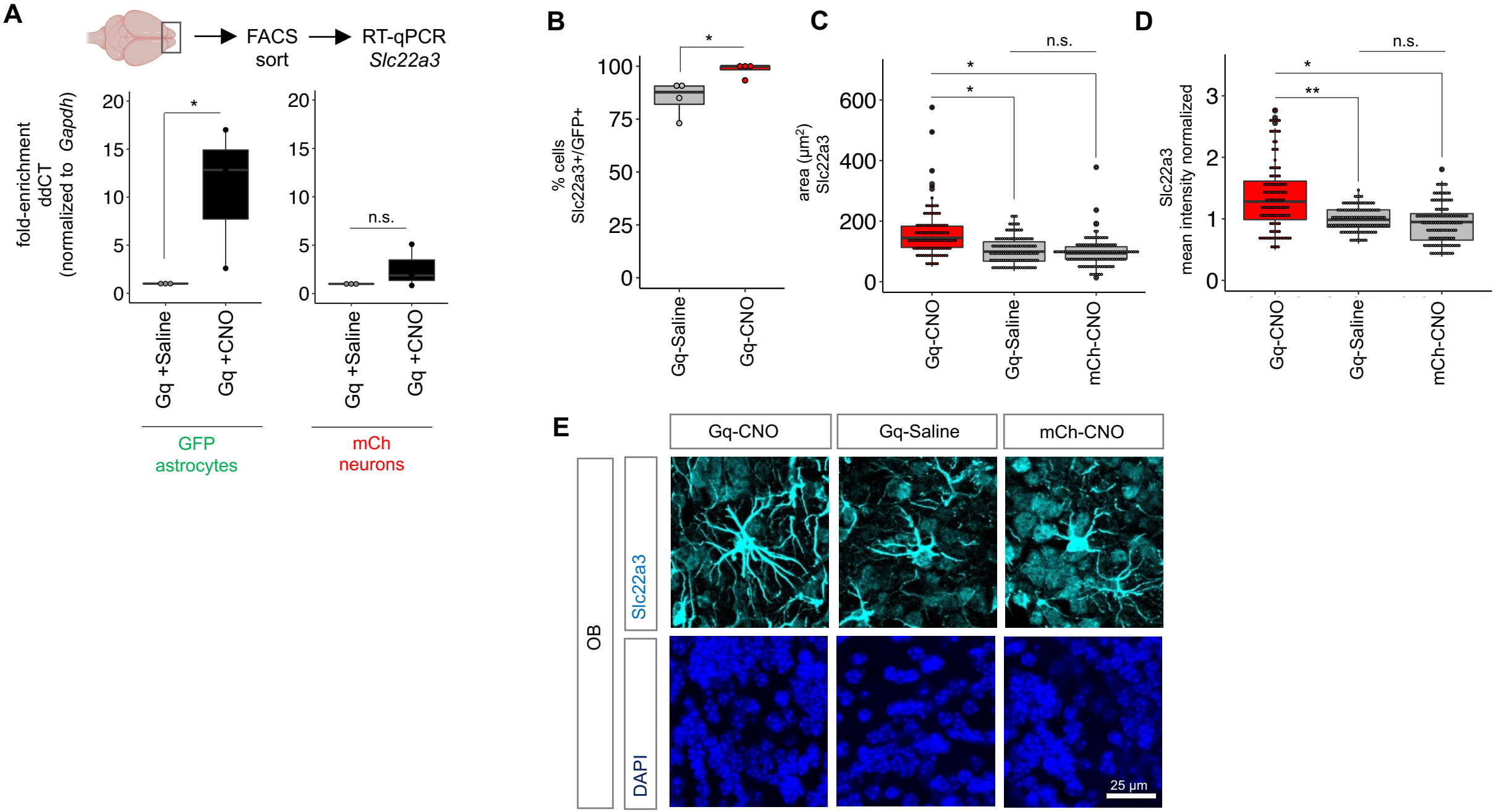
Supp Figure S6



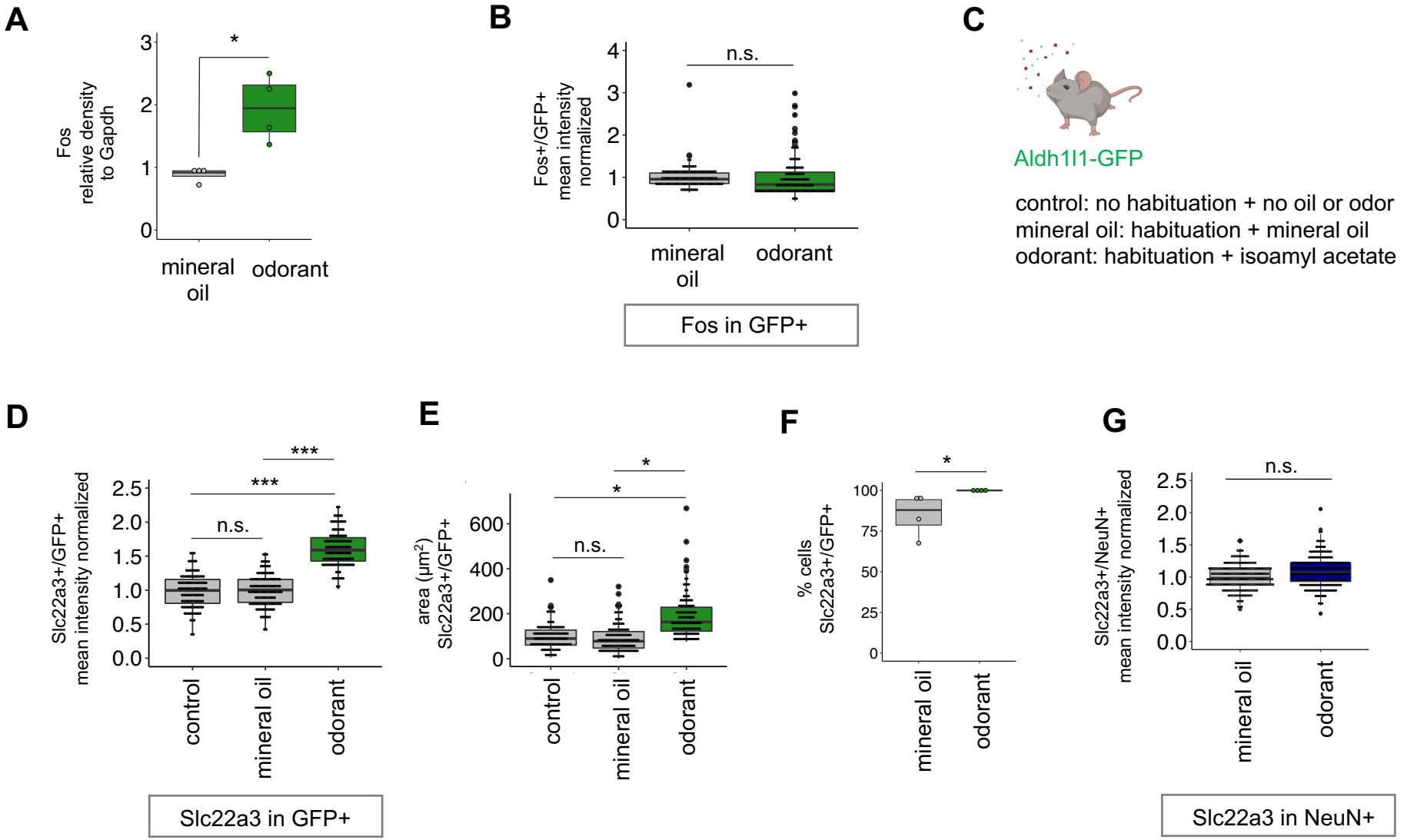
Supp Figure S7



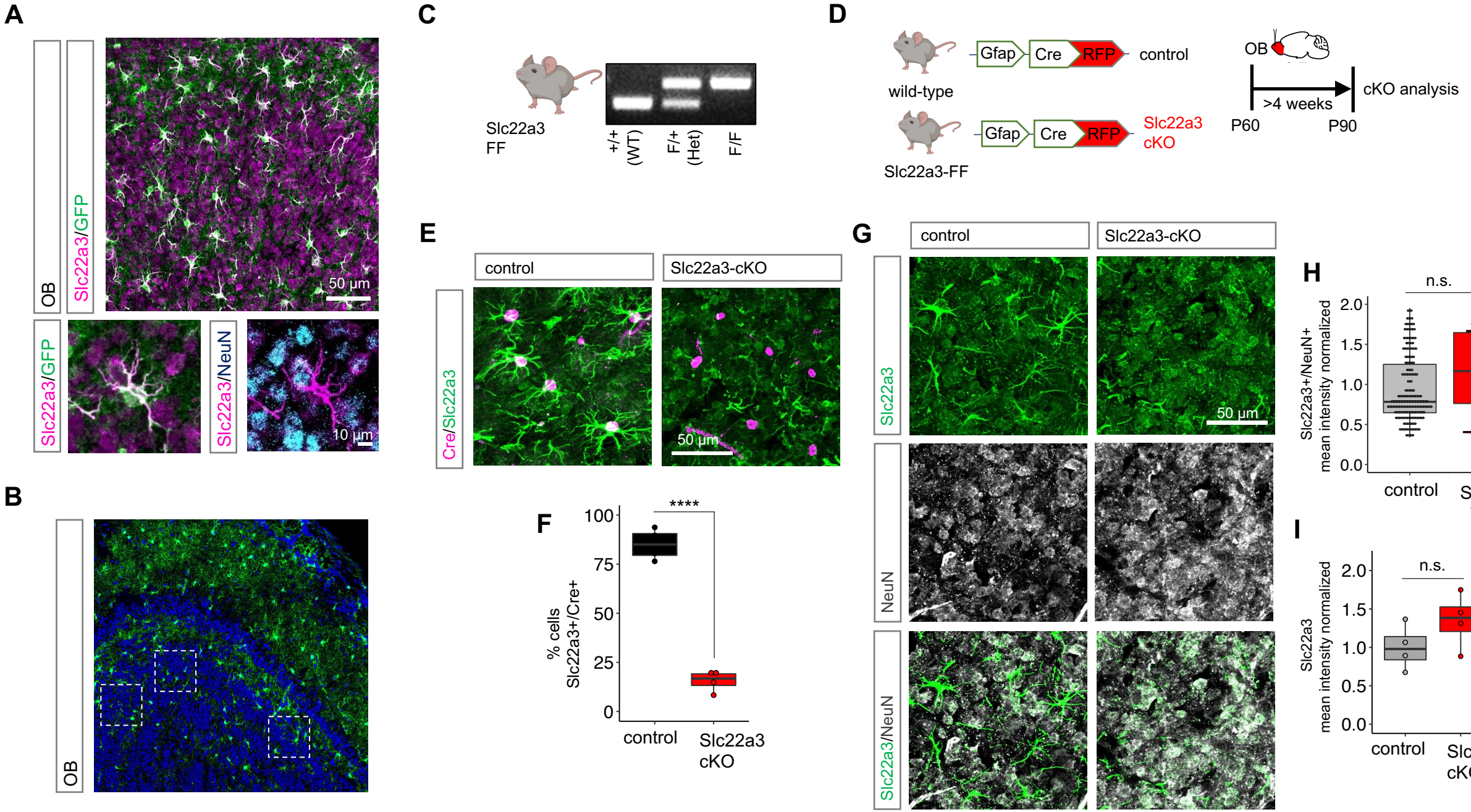
Supp Figure S8



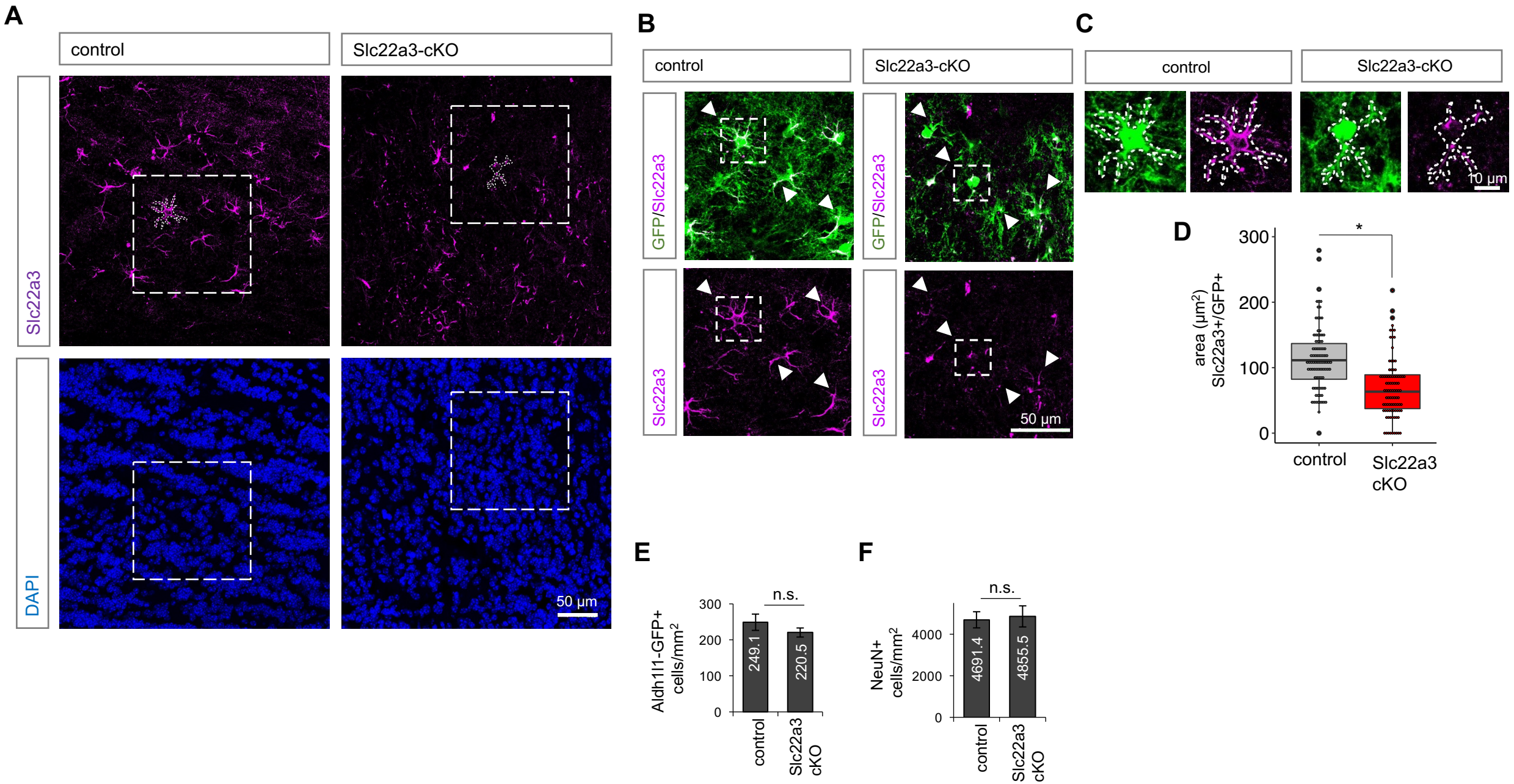
Supp Figure S9



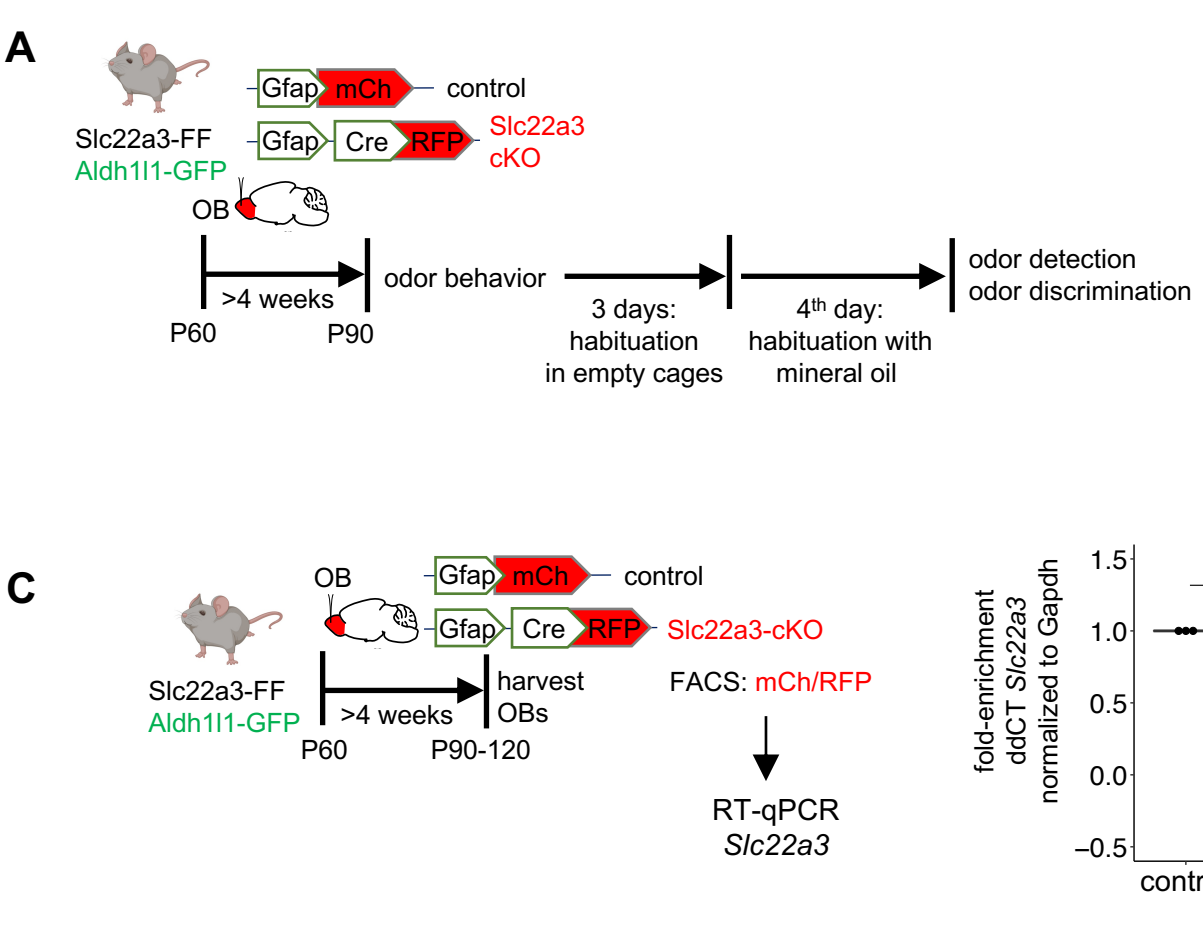
Supp Figure S10



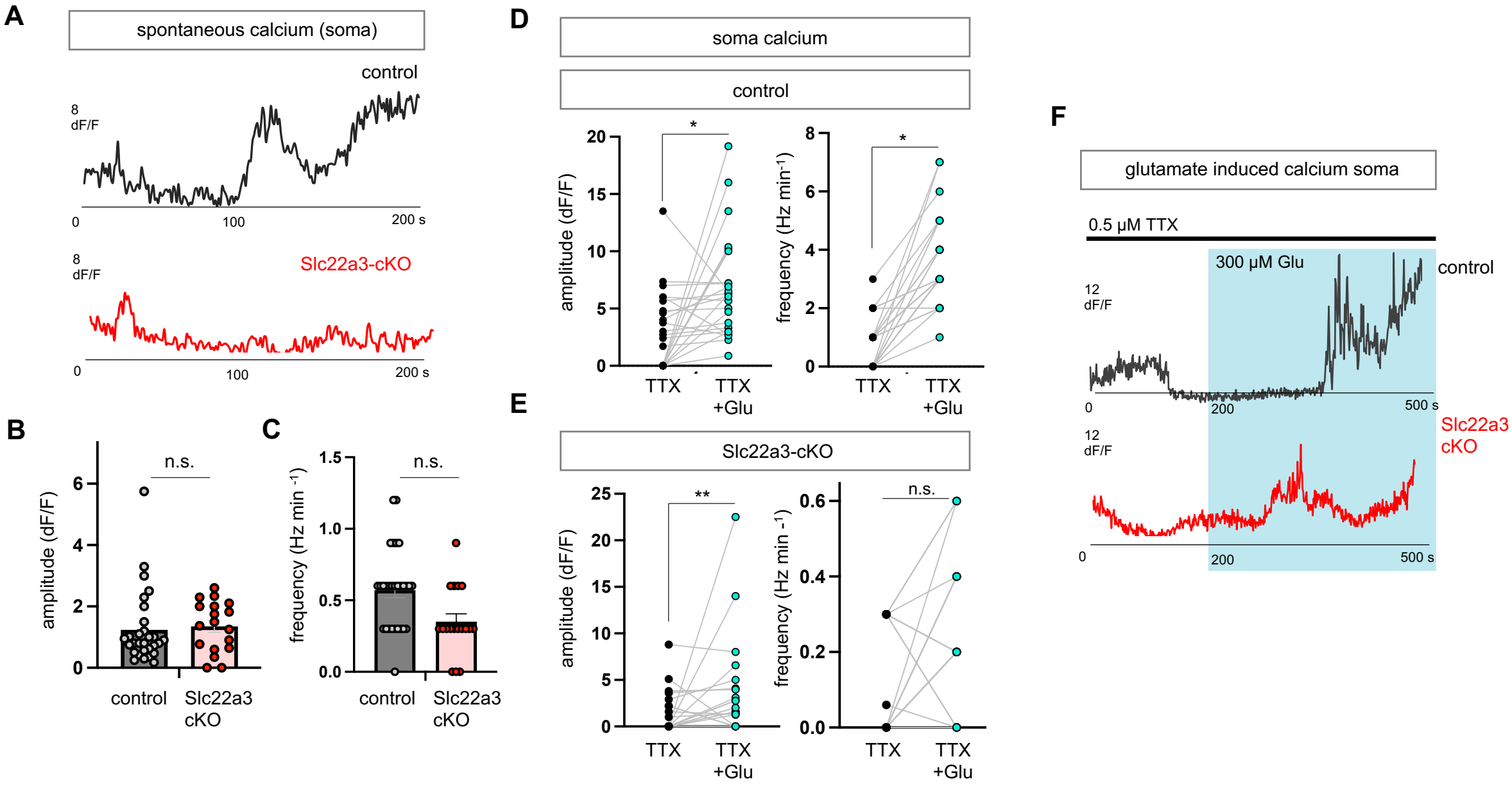
Supp Figure S11



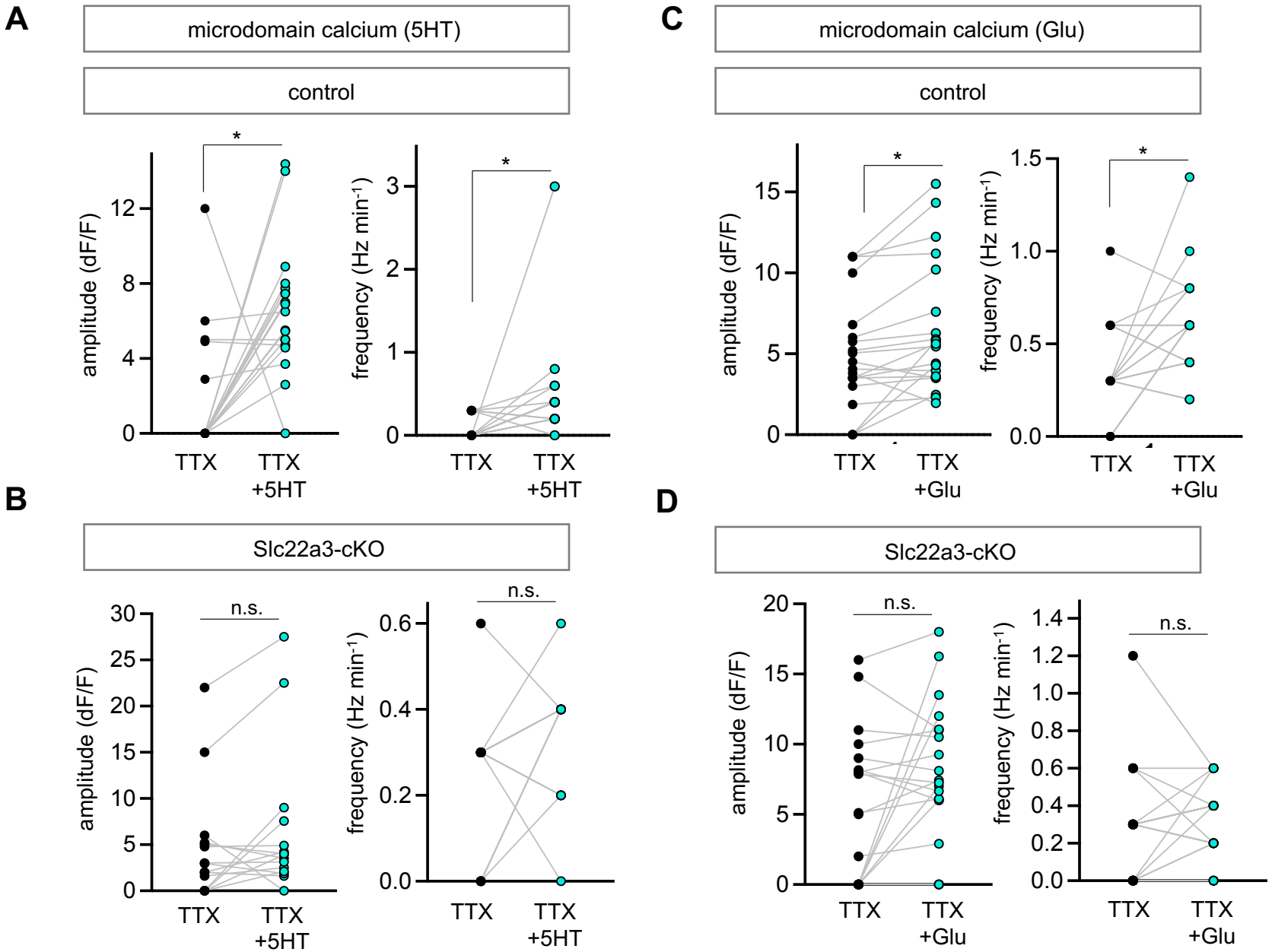
Supp Figure S12



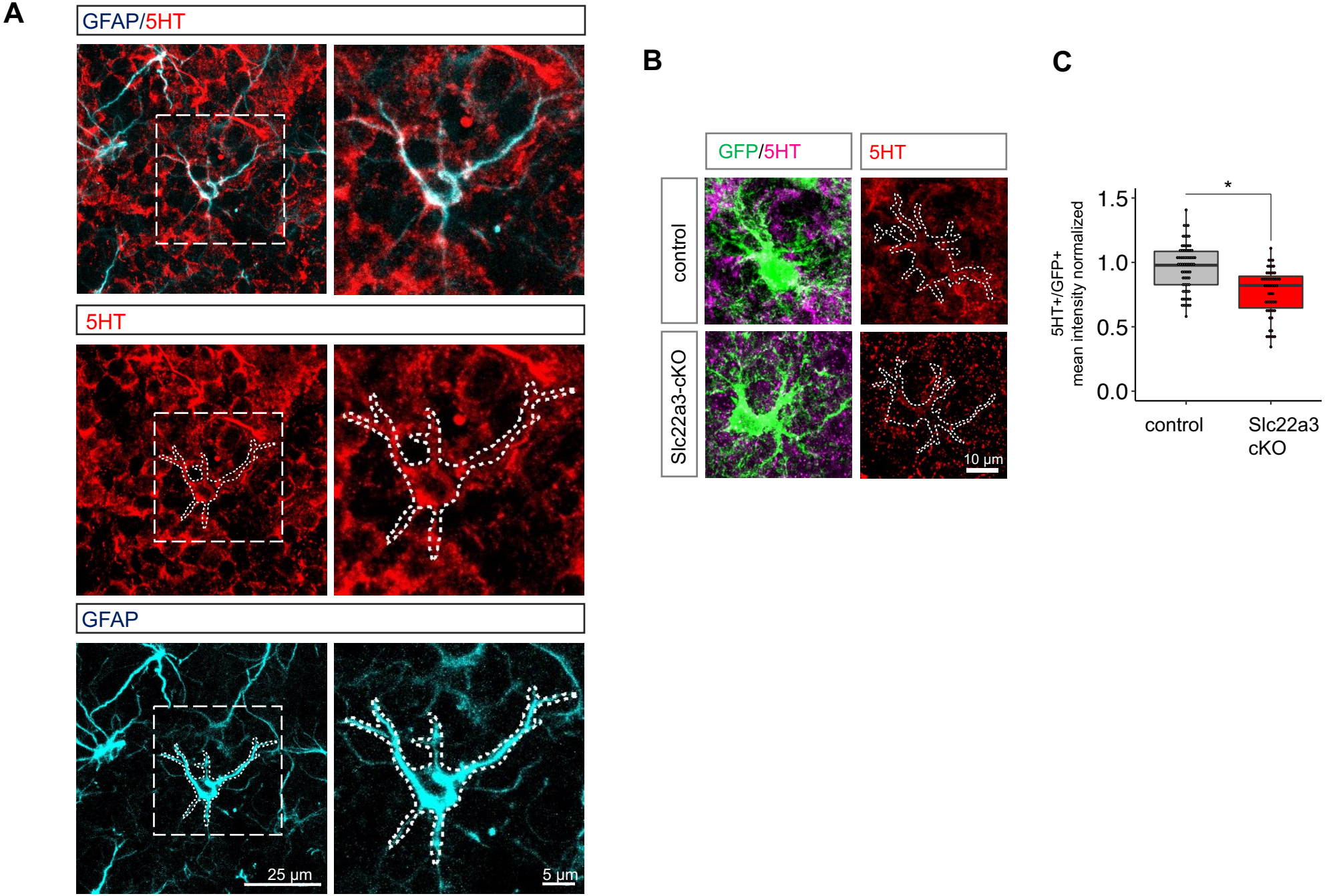
Supp Figure S13



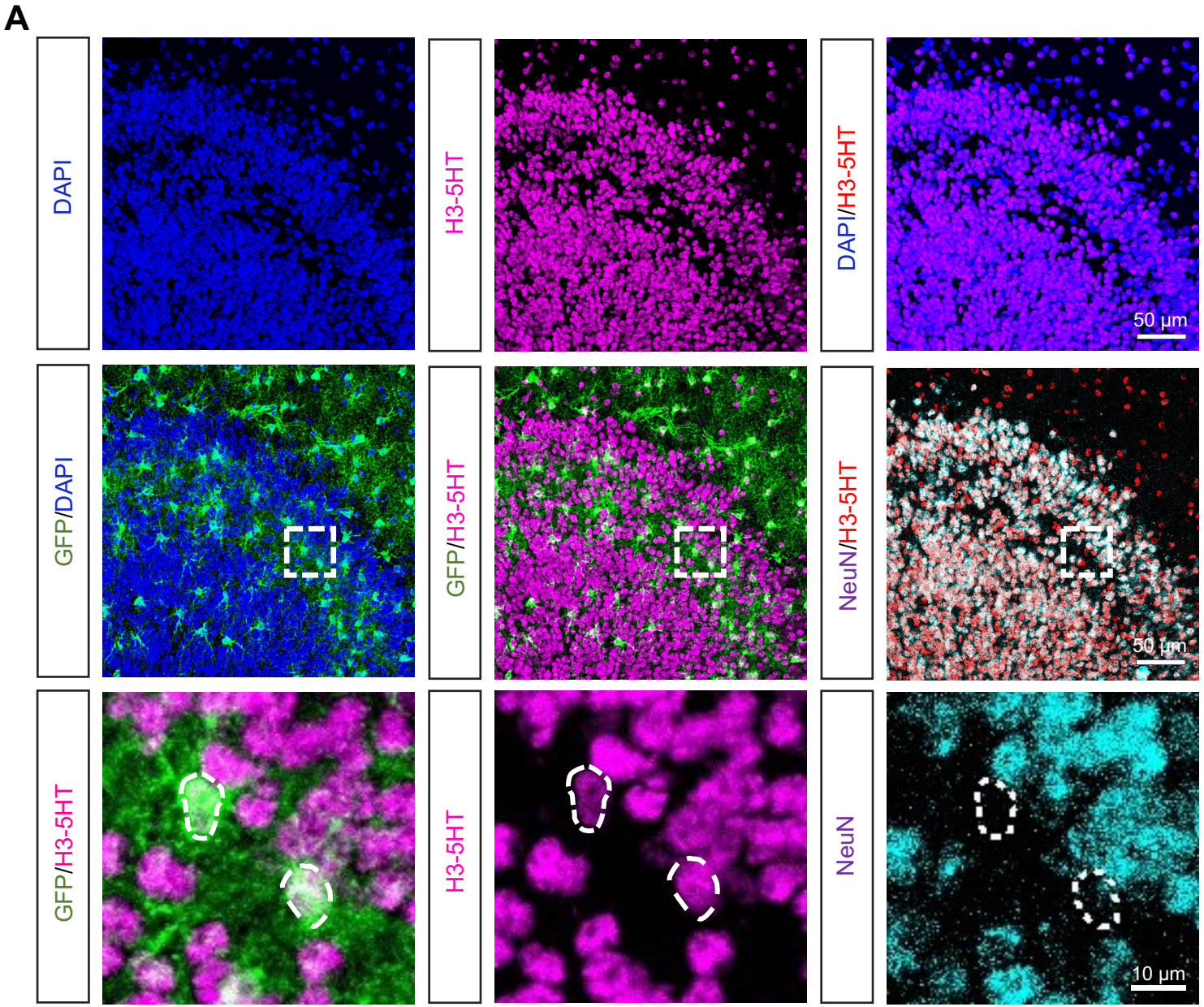
Supp Figure S14

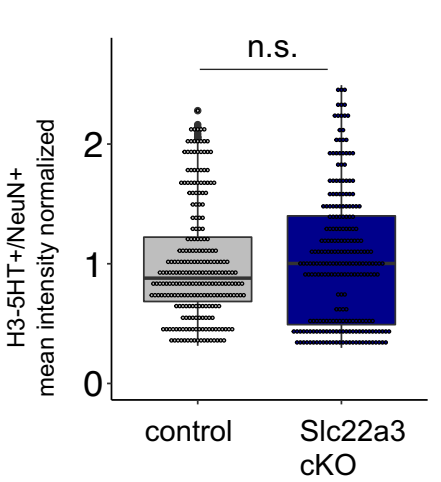


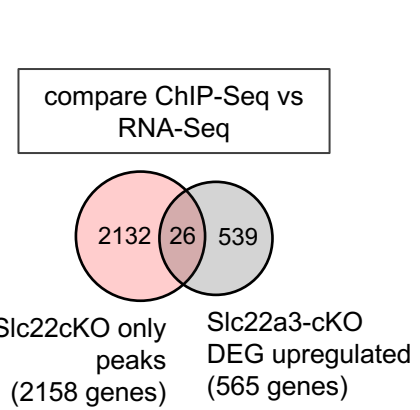
Supp Figure S15

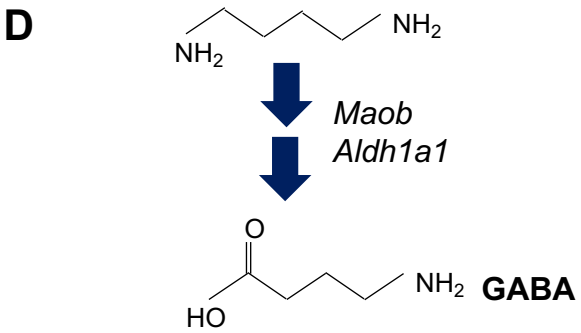


Supp Figure S16

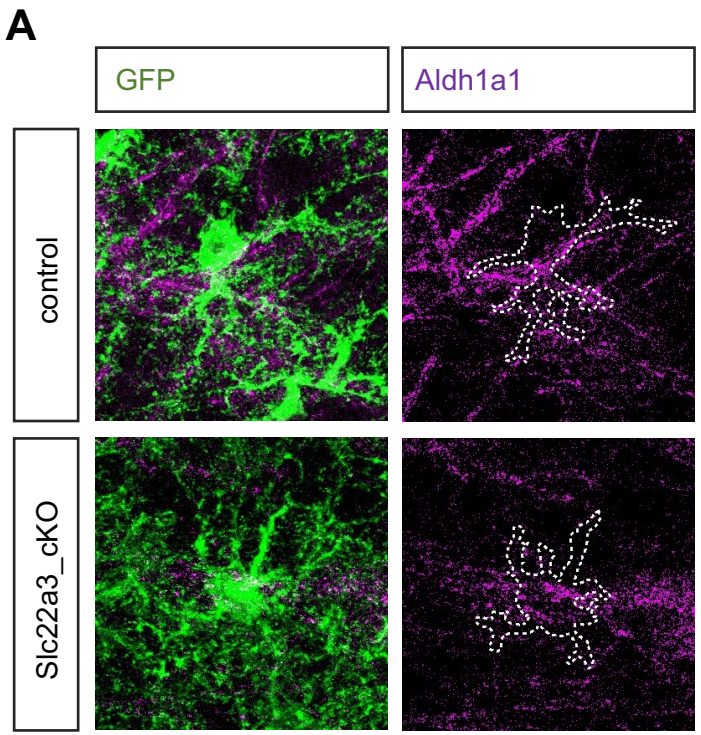


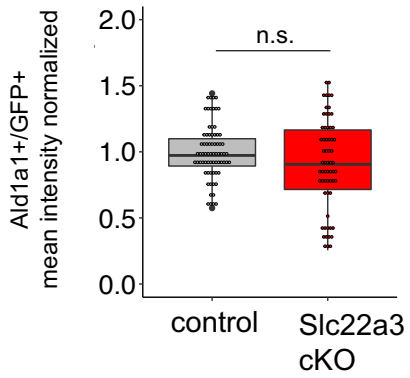


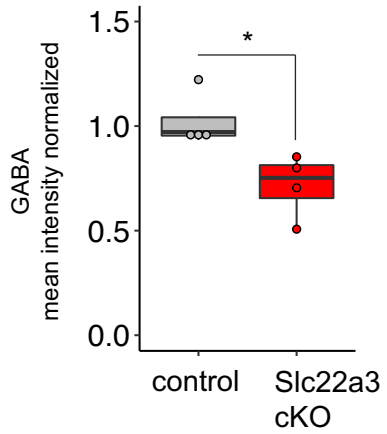


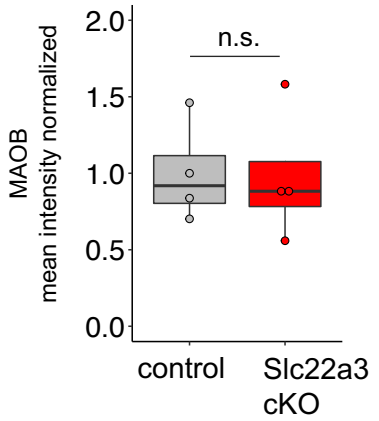


Supp Figure S17

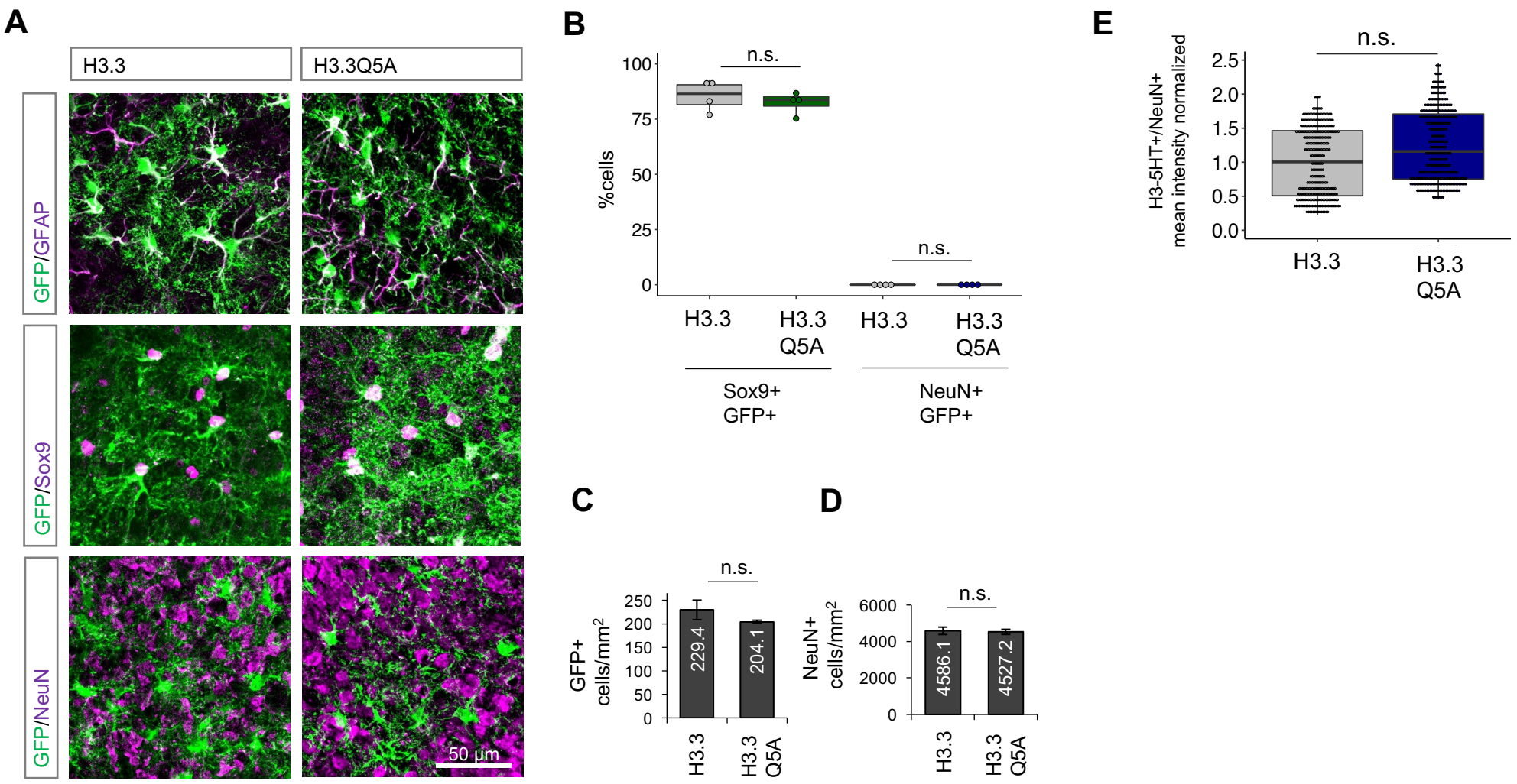




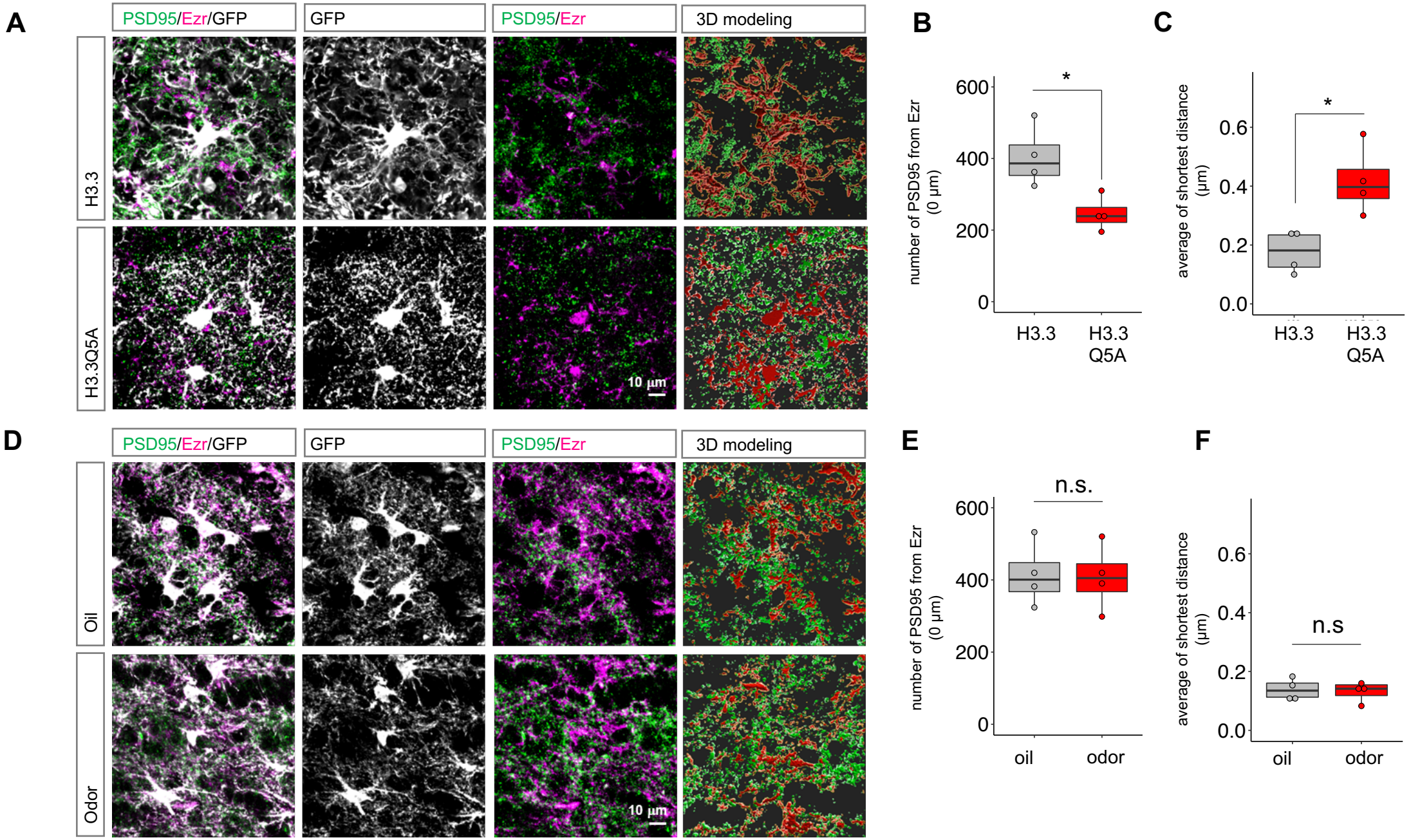




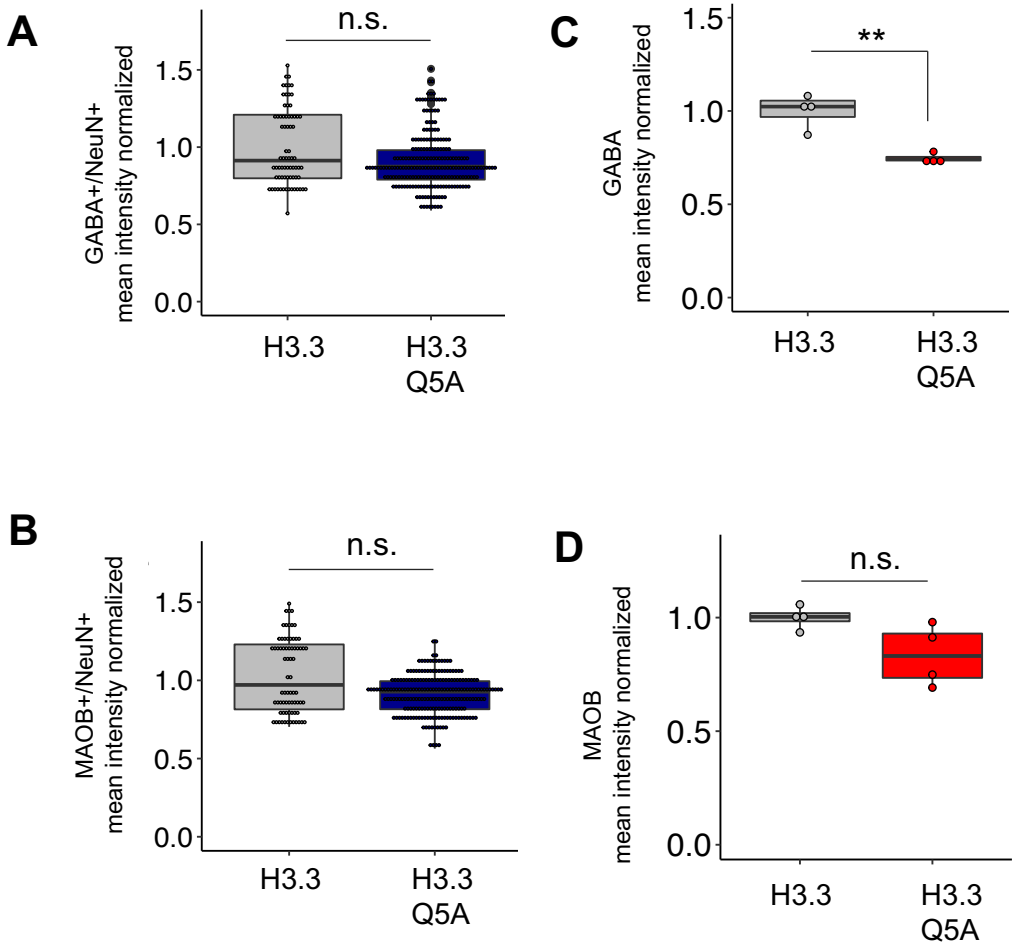
Supp Figure S18



Supp Figure S19

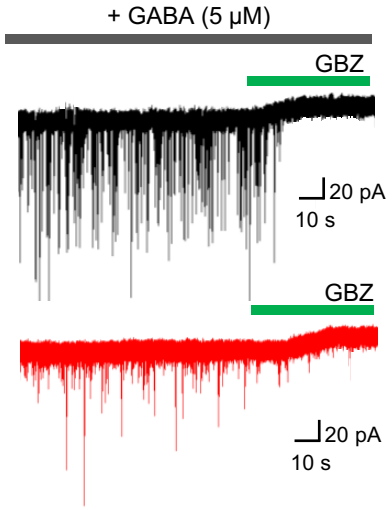


Supp Figure S20



Supp Figure S21

A



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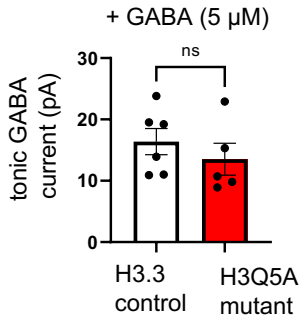

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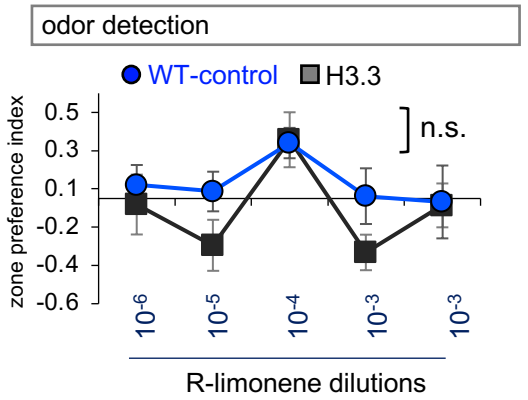

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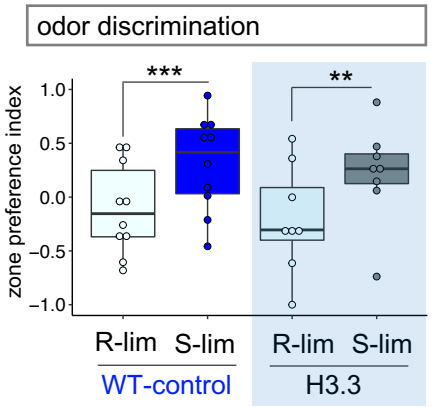

µ

Supp Figure S22