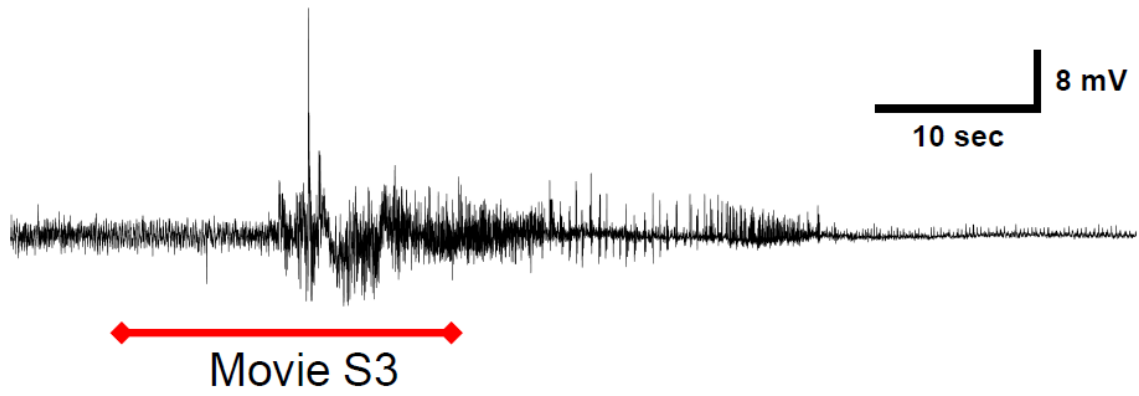


Supplementary Fig. S1



Supplementary Fig. S2

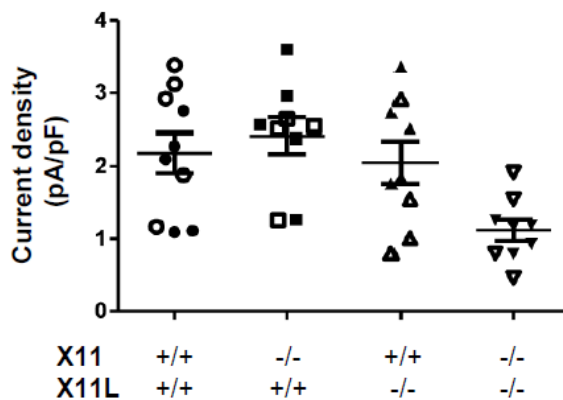
A

		current density (pA/pF)			
		Cell #	X11+/+ X11L+/+	X11-/- X11L+/+	X11+/+ X11L-/-
Mouse #1	1	2.75	2.56	3.36	1.17
	2	2.28	1.27	1.86	0.93
	3	1.11	3.60	2.52	0.79
	4	1.09	2.38	1.76	1.26
	5	2.10	2.96	2.72	1.19
Mouse #2	6	1.17	2.64	2.91	0.80
	7	2.92	1.26	1.01	0.46
	8	1.88	2.55	0.80	1.92
	9	3.12	2.51	1.55	1.55
	10	3.38			

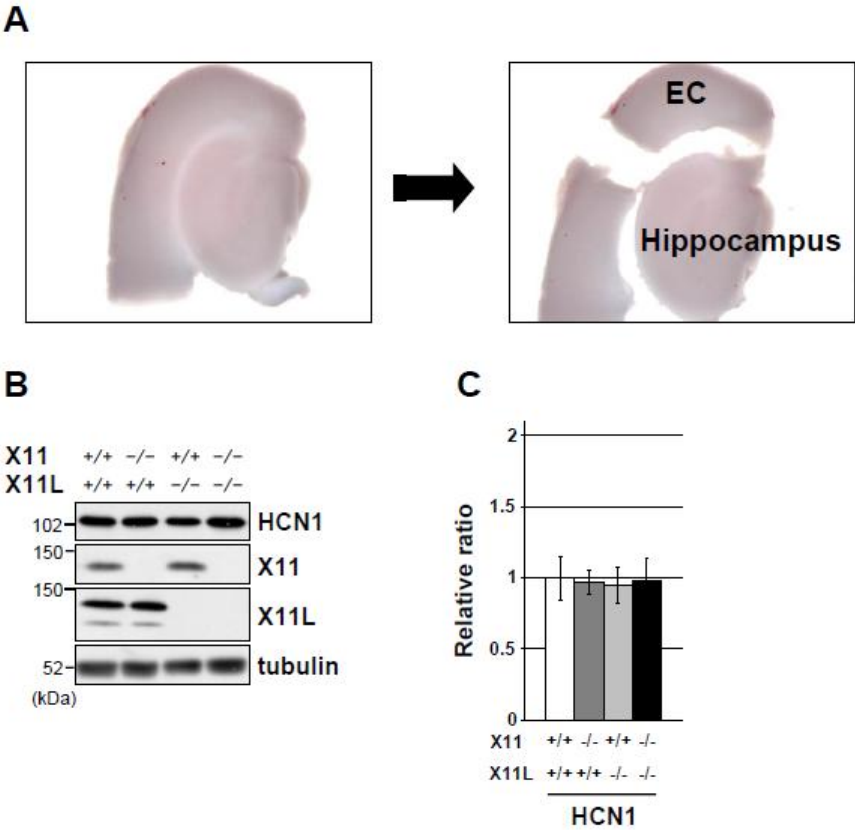
B

#1 plus #2				
	X11+/+ X11L+/+	X11-/- X11L+/+	X11+/+ X11L-/-	X11-/- X11L-/-
Mean	2.18	2.41	2.05	1.12
SD	0.86	0.75	0.88	0.44
SEM	0.27	0.25	0.29	0.15
Count	10	9	9	9
#1				
Mean	1.87	2.55	2.45	1.07
SD	0.74	0.86	0.66	0.20
SEM	0.33	0.38	0.29	0.09
Count	5	5	5	5
#2				
Mean	2.50	2.24	1.57	1.18
SD	0.94	0.65	0.95	0.67
SEM	0.42	0.33	0.47	0.33
Count	5	4	4	4
t-test (#1 vs #2)				
P Value	0.27	0.57	0.14	0.72

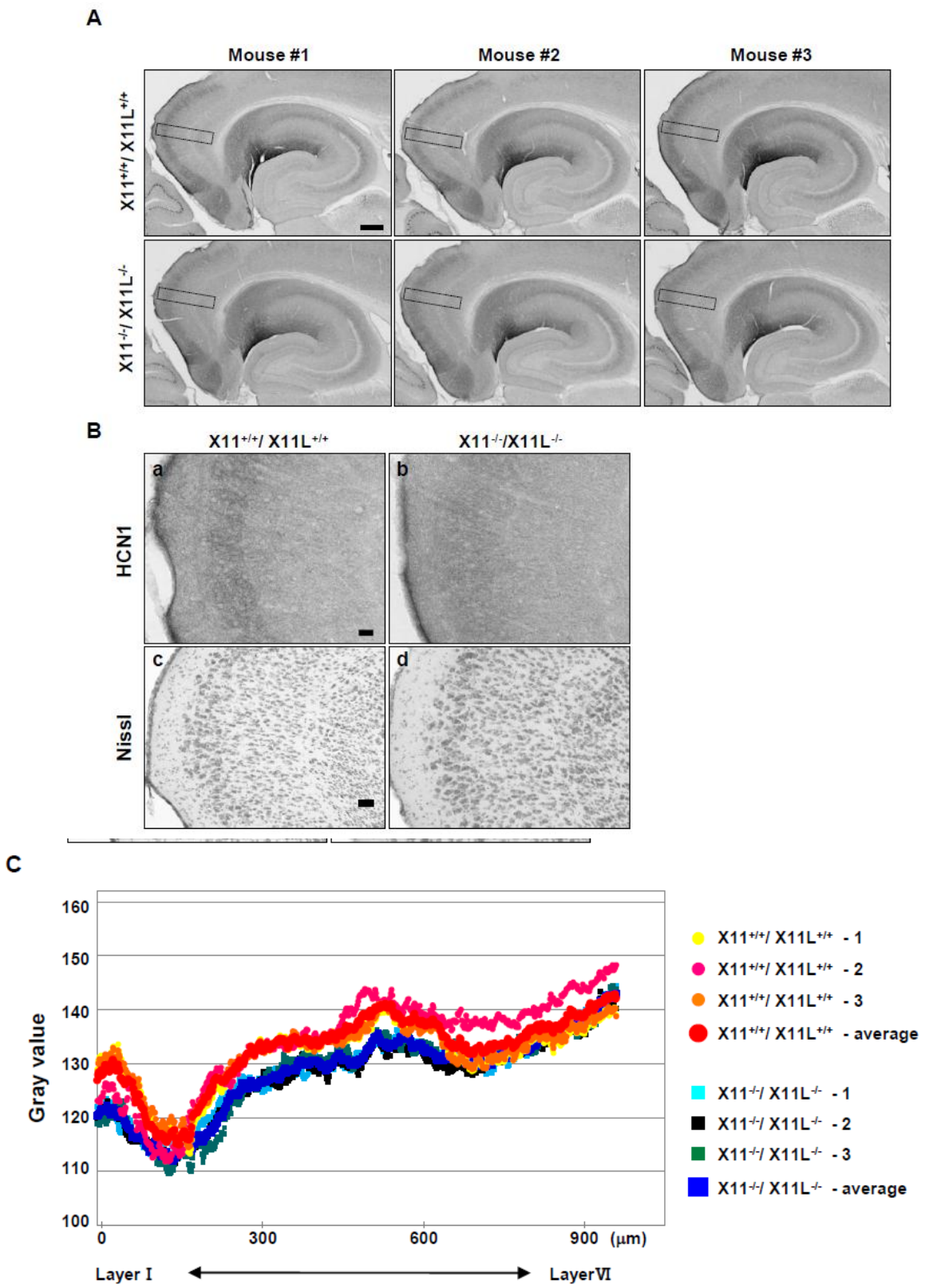
C



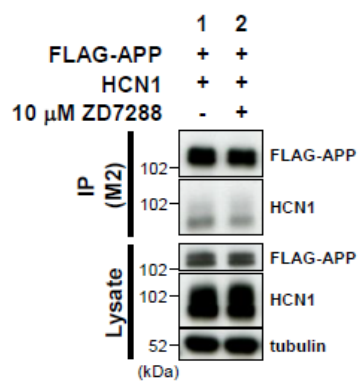
Supplementary Fig. S3



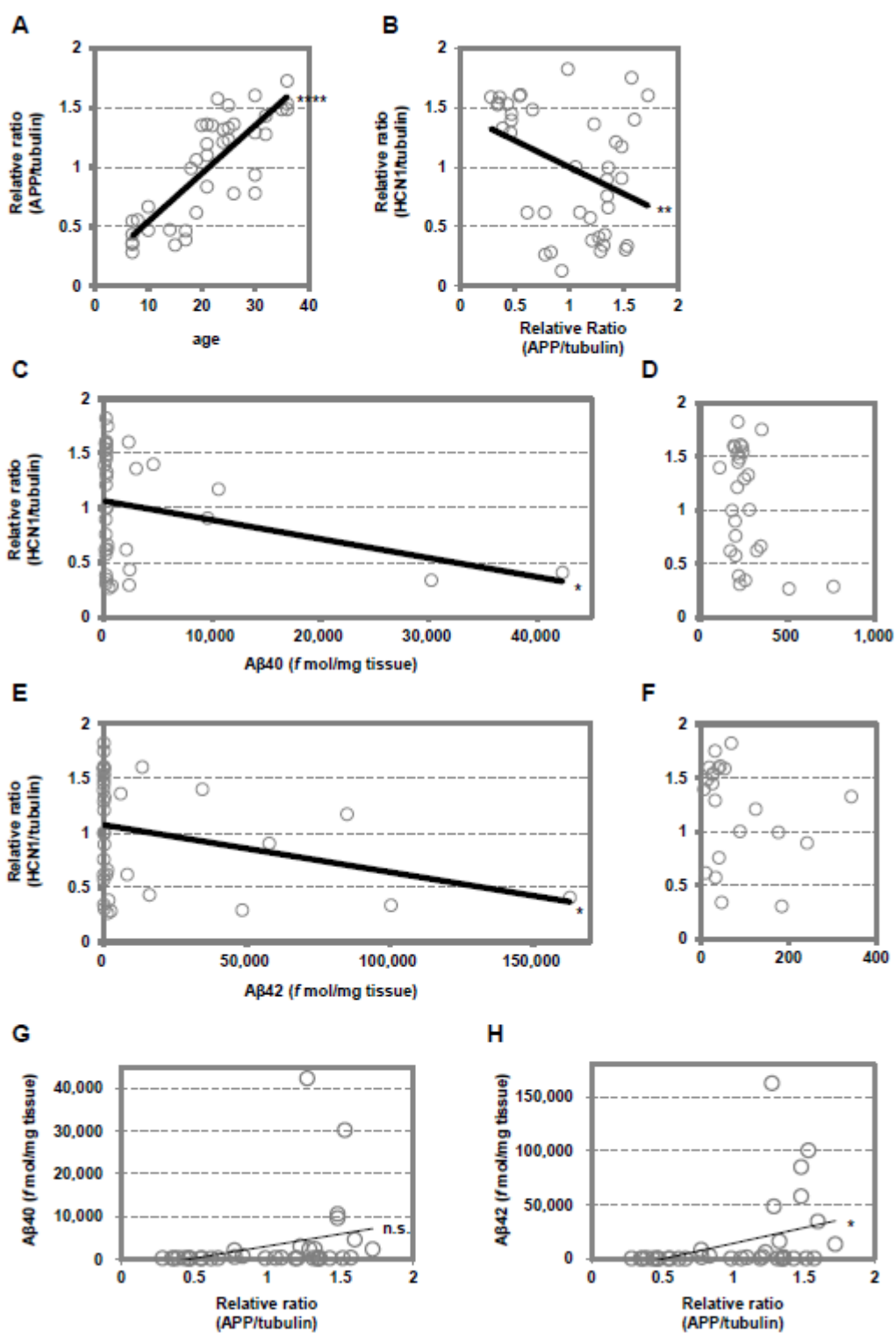
Supplementary Fig. S4



Supplementary Fig. S5



Supplementary Fig. S6



Supplementary Fig. S7

