

Supplemental Figure 3

Comparison of dendrites from mice genetically altered at a single locus

Cell Parameter	GluR1 ^{+/+} (n=10)	Hb9-Cre (n=10)	GluR1 ^{loxP/loxP} (n=10)	F (2,27) , P
Soma area (μm^2)	1500 \pm 397	1503 \pm 323	1598 \pm 556	0.1632; 0.8502
1 ^o dendrites	6.4 \pm 0.7	6.3 \pm 1.2	5.9 \pm 1.1	0.6898; 5.103
Branches, #	22.5 \pm 11.1	21.8 \pm 6.5	19.9 \pm 9.7	0.2075; 0.8139
Σ length (μm)	3510 \pm 1273	3674 \pm 678	3361 \pm 886	0.2557; 0.7763
Average dendrites	551 \pm 205	594 \pm 132	573 \pm 122	0.1914; 0.8269
Longest dendrite (μm)	467 \pm 63	464 \pm 58	466 \pm 37	0.008803; 0.9912