



Figure S6. Morphological integrity of dendrites and spines is preserved after agonist application.

(A) Dendritic details of cultured hippocampal neurons (DIV 14) from the wildtype (+/+) or NR1^{R/-} (R/-) genotypes expressing GFP. For the activation of glutamate receptors, cells were washed with HEPES buffer, incubated for 3 min with glutamate (50 μM) or vehicle ('unstim') then rinsed and fixed. Dendritic spine structure appeared unaltered by agonist application (axial projections of confocal stacks; scale bar: 10 μm). (B) Spine density (count/100 μm dendritic length) shown as mean \pm SEM; n=5. There is neither a statistical difference between genotypes, nor a significant change induced by agonist treatment ($p > 0.05$, t test).