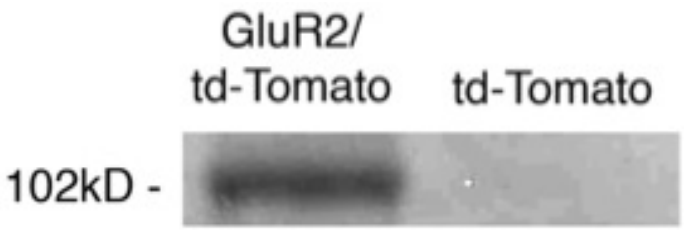

Supplemental Figure 1: Western blot demonstrating GluR2 is expression in cells transduced with tdTomato/GluR2 adenovirus.

Following viral transduction, HEK cells were harvested and homogenized in PBS, 0.5% Triton with protease and phosphotase inhibitors. Samples were run on 7.5% Tris-HCl gels (BioRad), then transferred to polyvinylidene diflouride membranes. Membranes were blocked for 1 h at 20^{o}C with 5% nonfat dry milk in Tris-buffered saline (100 mM Tris and 154 mM NaCl, pH 7.5) with 1 ml/L Tween 20 (TBST). Membranes were then incubated overnight at 4^{o}C with polyclonal antibody for GluR2 (Chemicon, 1:500). Membranes were then rinsed 3 times for 15 min with TBST and then incubated for 1 h at 20^{o}C with horseradish peroxidase-conjugated anti-rabbit IgG secondary antibody (Jackson ImmunoResearch, West Grove, DPA) at a concentration of 1:5000 and then rinsed again (Sanchez et al., 2005). Bands were visualized using enhanced chemiluminescence (ECL Western Blotting Detection Kit, Amersham).