Supplemental Figure 1. GluR1 forms a complex with the β2AR, Gs, and adenylyl cyclase in PFC and cerebellum via PDZ interactions. A. Rat PFC and cerebella were extracted with 1% Triton X-100 before ultracentrifugation, immunoprecipitation with antibodies against GluR1 (lane 1), β2AR (H-20; lane 2), or a nonspecific control IgG (lane 3), followed by immunoblotting for the proteins indicated on the right side. Anti-GluR1 and anti-β2AR specifically precipitated from both sources adenylyl cyclase (AC), GluR1, GluR2, and Gα. Gα was observed with two different antibodies that labeled the N- (BN1) and C-termini (BC1) of Ga1α4. Extract aliquots containing 500 µg total protein were used for immunoprecipitations and aliquots containing 25 µg protein were loaded directly as positive control for immunoblotting. Similar results were obtained in 2 other experiments. B. Rat forebrain was extracted with 1% Triton X-100 before ultracentrifugation, incubation with the indicated peptides (10 µM) for 1 hr, immunoprecipitation with antibodies against GluR1, and immunoblotting for the proteins indicated on the right side n = 3 for all experiments.