Supplementary Fig. 6. Serotonin does not affect Kv4.3 synthesis, but enhances trafficking in WT-NP (A), but not WT-LP (B) mice. (a) No effect of serotonin or m-CPBG stimulation on Kv4.3 levels in whole cell preparations in both WT-NP and LP mice. (b) Plasma membrane preparations of ventricular myocytes; Kv4.3 shows greater expression at the plasma membrane, following serotonin and m-CPBG stimulation in WT-NP, but not in WT-LP mice. This effect is abolished by co-incubation with ondansetron. (c) No effect of serotonin and m-CPBG stimulation on Kv4.3 levels in cytosolic preparations, in both WT-NP and LP mice. Blots are representative of three–four experiments, with the input and pharmacological interventions outlined above each panel. Bar graphs represent Kv4.3 expression levels. *p<0.001. WT-NP, wild-type non-pregnant; WT-LP, wild-type late-pregnant.