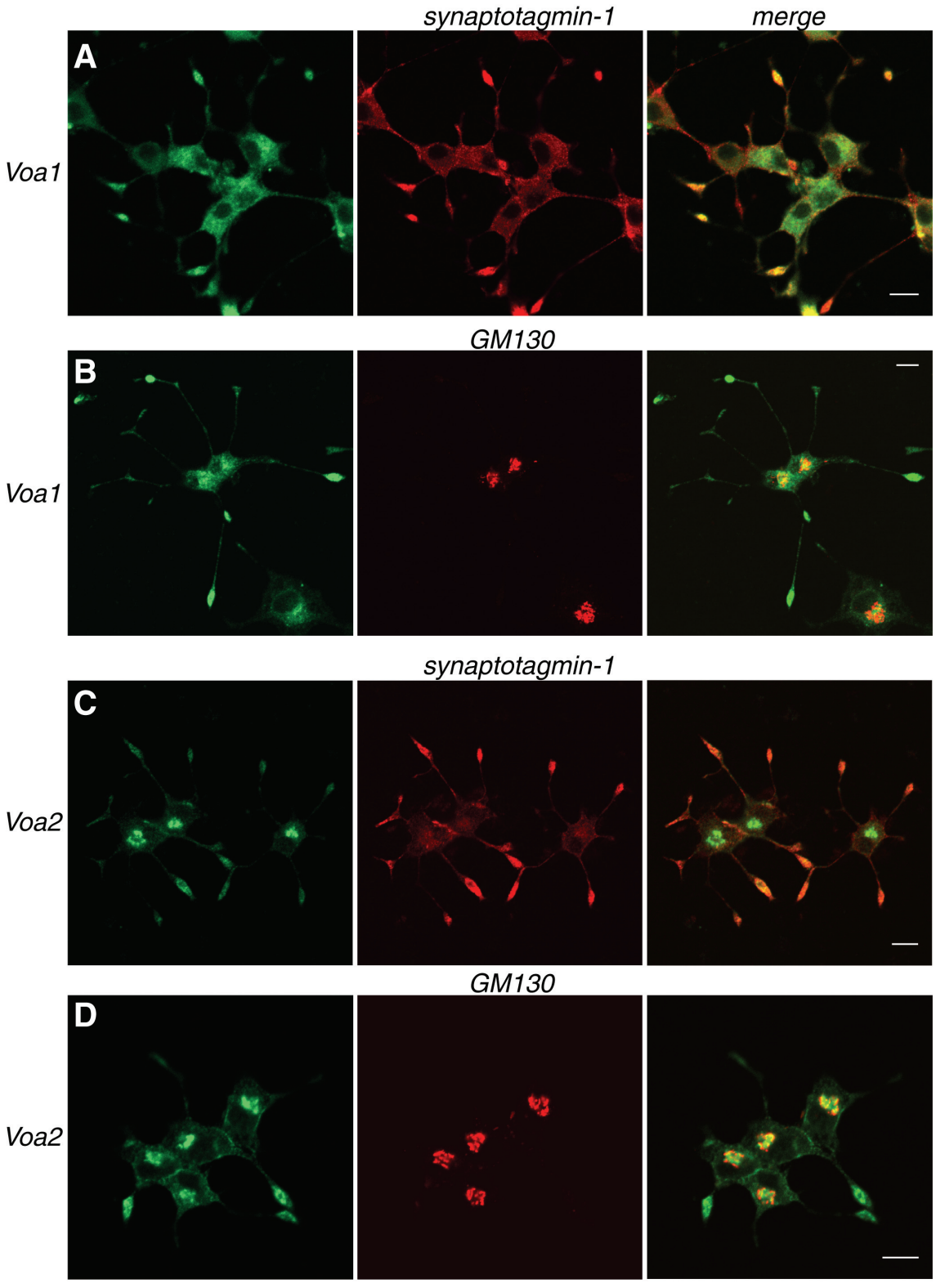
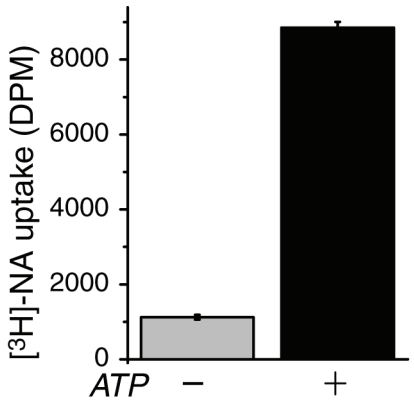


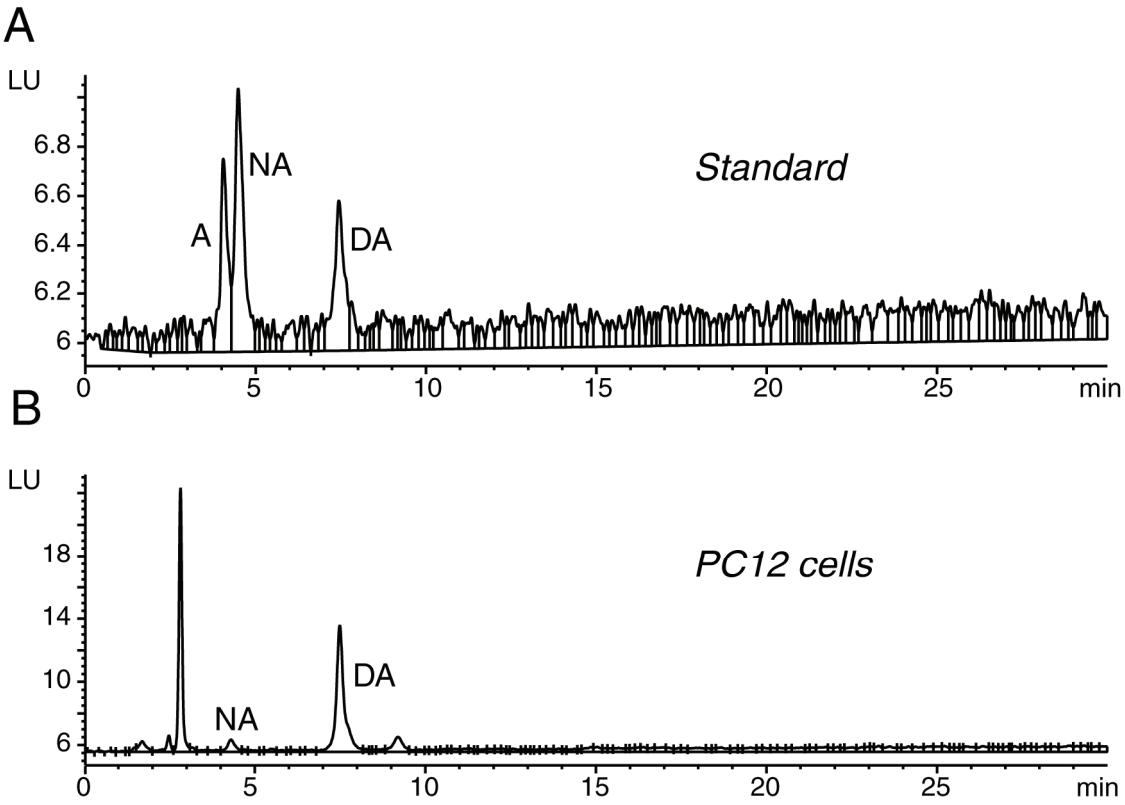
Supplemental Figure 1, Saw et al.

Supplemental Figure 1. Confocal immunofluorescence microscopy reveals that stably expressed Voa1 better colocalizes with synaptotagmin-1 whereas Voa2 better colocalizes with GM130 in PC12 cells.

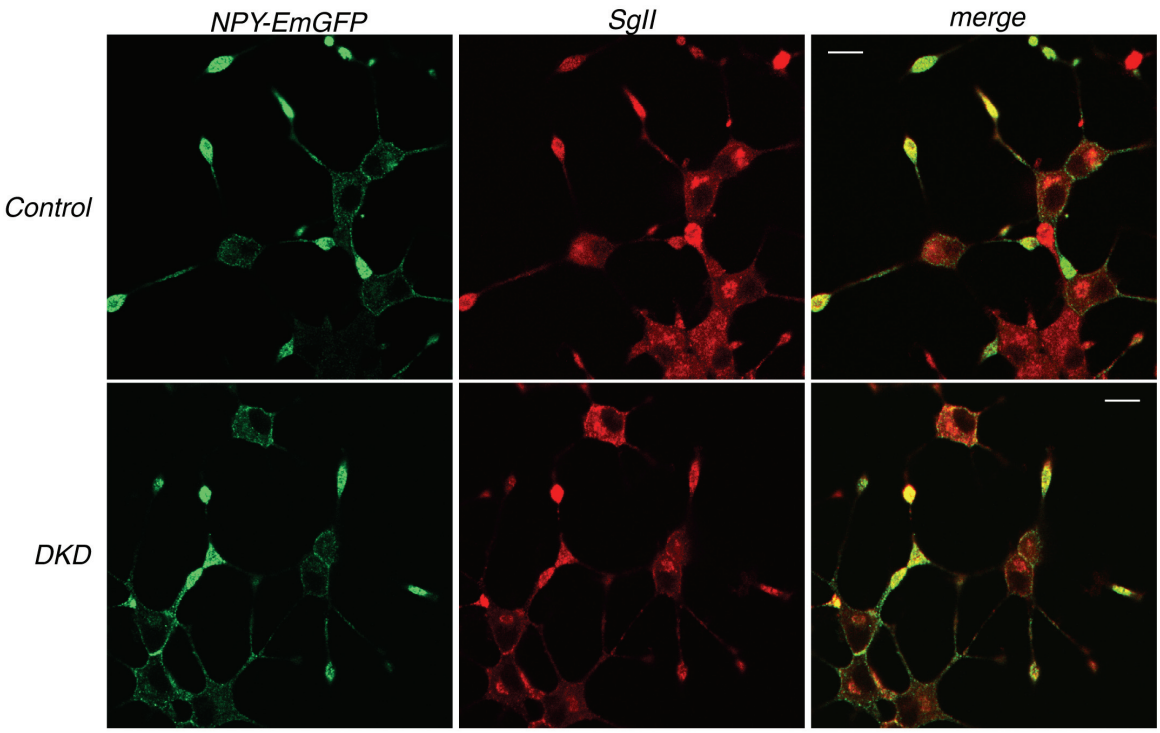
NGF-differentiated PC12 cells that stably express Voa1-EmGFP (A, B) or Voa2-EmGFP (C, D) were co-stained with anti-GFP rabbit polyclonal antibody (all panels) and either anti-synaptotagmin-1 mouse monoclonal antibody (A, C) or anti-GM130 mouse monoclonal antibody (B, D). For secondary staining Alexa 488-conjugated goat anti-rabbit antibody and rhodamine red-x-conjugated goat anti-mouse antibody were used against the appropriate primary antibodies. Right panels are merged pictures. Scale bar = 10 μm



Supplemental Figure 2. ATP-dependent [^{3}H]-NA uptake in PC12 cells. An example of [^{3}H]-NA uptake assays in the presence or absence of 2 mM MgATP using mechanically permeabilized wild-type PC12 cells performed in quadruplicates. The error bars indicate SEM.



Supplemental Figure 3. HPLC analysis of catecholamines from standard samples and PC12 cells. (A) Separation of standard samples (the volume of the injected sample is 10 µl, the concentration of catecholamines is 0.25 ng/µl each, A: adrenaline, NA: noradrenaline, DA: dopamine). (B) PC12 cells.



Supplemental Figure 4. NPY-EmGFP is colocalized with Secretogranin-II, a marker protein of dense-core vesicles. NGF-differentiated control (upper panels) and Voa1/Voa2 DKD (lower panels) cells that were transfected with NPY-EmGFP with stained with anti-Secretogranin II (SgII) rabbit polyclonal antibody. For secondary staining Alexa 568 conjugated goat anti-rabbit antibody was used. Right panels are merged pictures. Scale bar = 10 μm.