Supplementary figure 1: *Dexa does not change GABA-A reversal potential:* Representative traces (a, b) at indicated membrane potential voltages are shown on top. n=9 cells per group.

Supplementary figure 2: *Corticosterone (30 nM) mimics the effect of high Corticosterone (100nM) in DH and VH:* Cort significantly (p<0.01, n= 9 cells for each group) increased amplitude of sIPSCs in DH while it significantly (p<0.001, n= 9 cells for each group) decreased frequency of sIPSCs in VH.

Supplementary figure 3: *Neurosteroids do not mediate the Dexa-induced increase in sIPSCs amplitude:* Application of Dexa 100 nM in the presence of finasteride 1µM was still able to induce an increase in sIPSCs amplitude in DH. N=9 cells per group.