

**Supplementary Figure 5.** Patch-clamp analysis of DNSCs and DN-OPCs. Outward K+ (Kv) currents in DNSCs and the response to 4-AP (left). Kv currents in DN-OPCs and the response to 4-AP (right). Current-voltage relationships of peak and steady current before and after application of 4-AP. Data are presented as means  $\pm$  SEM (n = 3). \*\*p < 0.001.