**Supporting Information**

**Supplementary Figure 1**

**Body weight**

**Drinking volume**

Body weight and drinking behaviour of TG male rats during 14 days of Dox treatment. ***p<0.001 day14 vs day0 for the same condition, paired t-test. Dox: doxycycline (20mg/kg body weight, 14 days). TG: transgenic.

**Supplementary Figure 2**

5-HT, Trp, and 5-HIAA levels in the raphe nuclei of TG male rats with (n=6) and without (n=6) Dox administration. Samples were analysed by HPLC. TG: transgenic. **P<0.01, Dox: doxycycline (20 mg/kg body weight, 28 days).**