

Supplementary Figure 3. Midazolam 10μ M inhibits firing of TMN neurons identified by the R- α -methylhistamine (RAMH) in mouse brain slices. Averaged time course diagrams show firing frequency normalized to the 7min control period (cell-attached voltage-clamp mode) in the presence of midazolam (upper plot) or the histamine 3 receptor agonist RAMH 2μ M (lower plot) in WT and KI (γ 2F77I) mice. Note no difference in response to RAMH but faster recovery to control after midazolam withdrawal in KI mice.