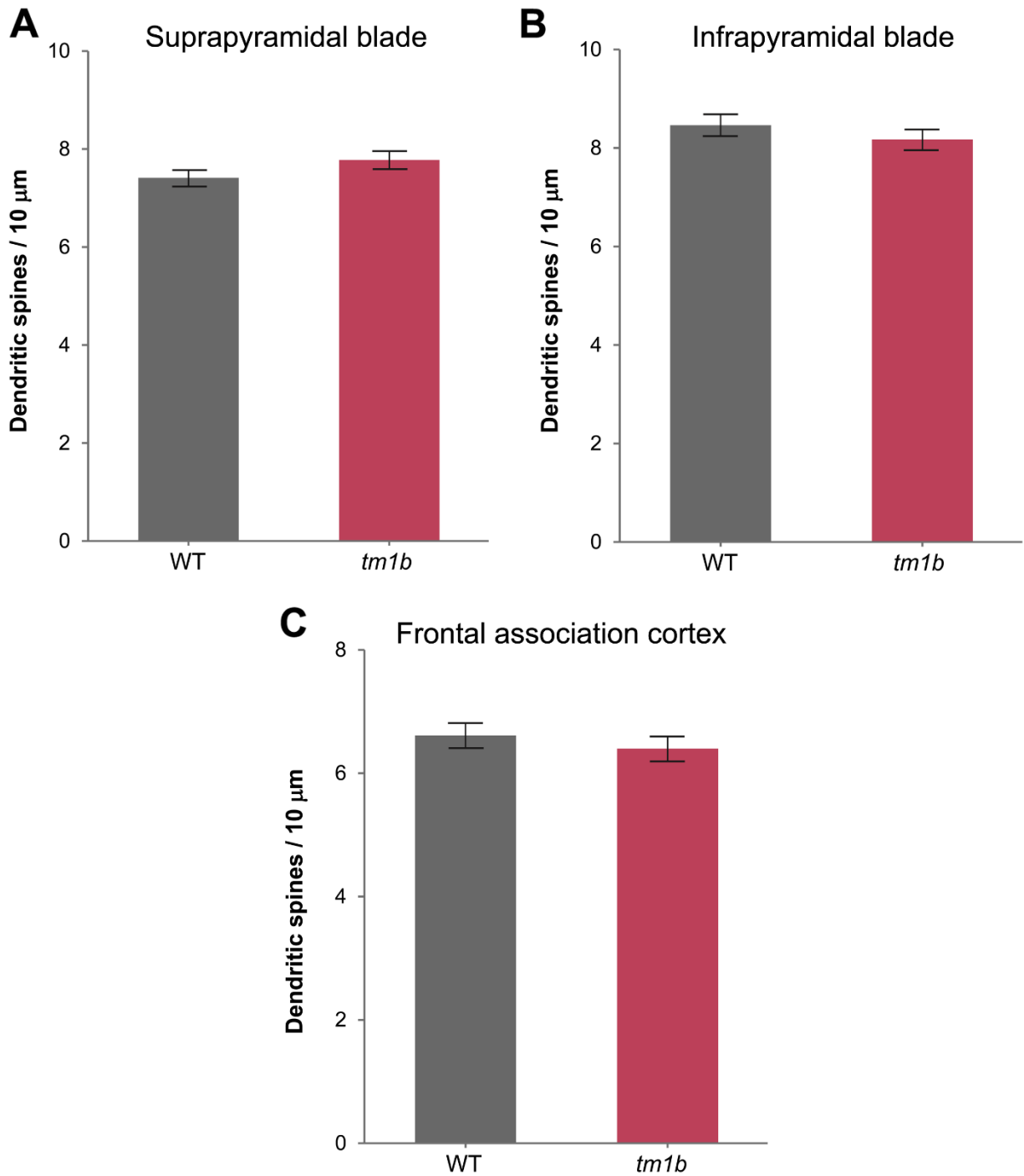


Additional File 5



Unaltered density of dendritic spines in the suprapyramidal and infrapyramidal blades of the dentate gyrus and in the frontal association cortex in *Pdzd8^{tm1b}* mice. **A** Density of dendritic spines in the suprapyramidal blade of the dentate gyrus of *Pdzd8^{tm1b}* mice ($n = 68$ dendrites from $n = 4$ ♂ mice) and WT controls ($n = 75$ dendrites from $n = 4$ ♂ mice) (two-sample t -test: $t(141) = 1.58$, $p = 0.1163$). **B** Density of dendritic spines in the infrapyramidal blade of the dentate gyrus of *Pdzd8^{tm1b}* mice ($n = 57$ dendrites from $n = 4$ ♂ mice) and WT controls ($n = 69$ dendrites from $n = 4$ ♂ mice) (Mann–Whitney: $U = 1,870$, $p = 0.6302$). **C** Density of dendritic spines in the frontal association cortex of *Pdzd8^{tm1b}* mice ($n = 70$ dendrites from $n = 4$ ♂ mice) and WT controls ($n = 80$ dendrites from $n = 4$ ♂ mice) (two-sample t -test: $t(148) = 0.7655$, $p = 0.4452$). *tm1b*, *Pdzd8^{tm1b}* homozygous; WT, wild-type.