

Supplemental information

Dlgap1 knockout mice exhibit alterations of the postsynaptic density and selective reductions in sociability.

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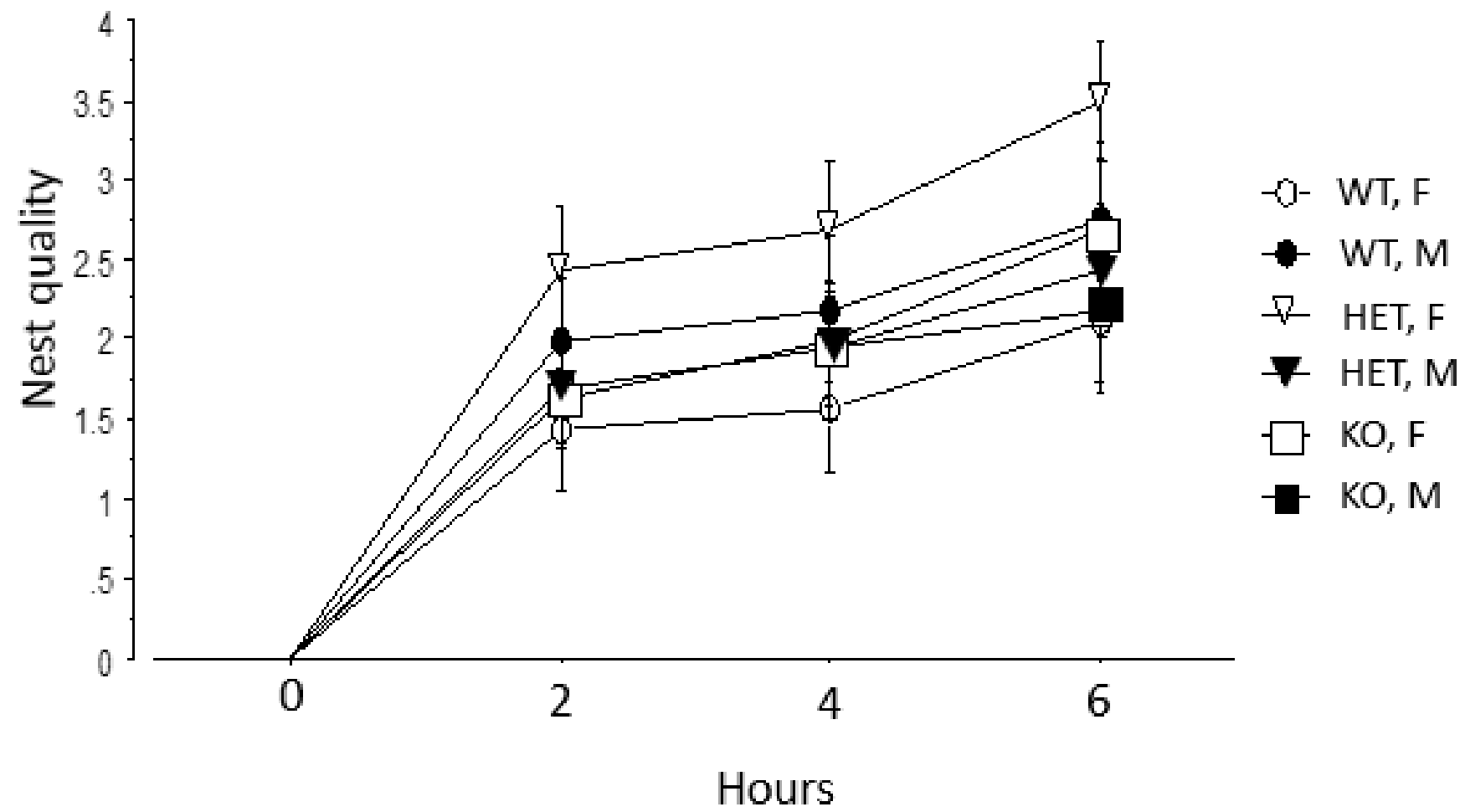
Committee on Neurobiology, The University of Chicago²

Department of Psychiatry and the Behavioral Sciences, Zilkha Neurogenetic Institute,
Keck School of Medicine, University of Southern California³

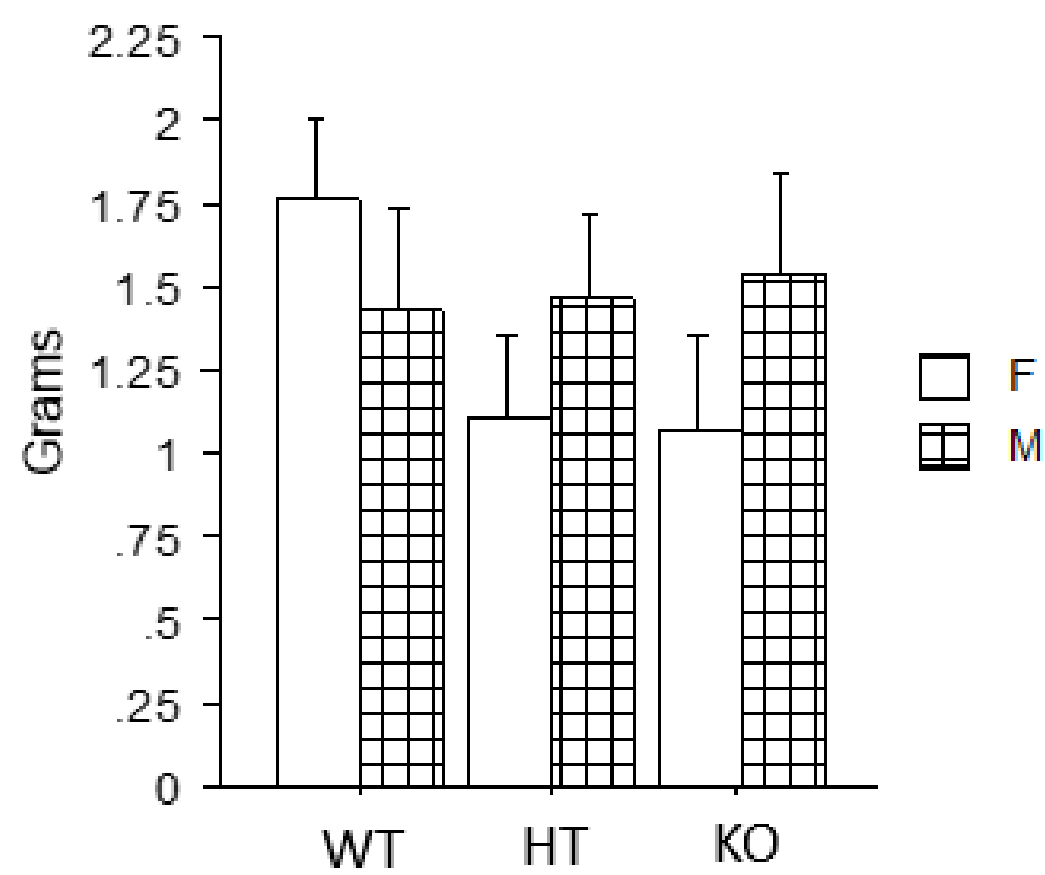
Genes to Cognition Program, Centre for Clinical Brain Sciences, Edinburgh University⁴

Supplemental Figure 1

A) Nest Score

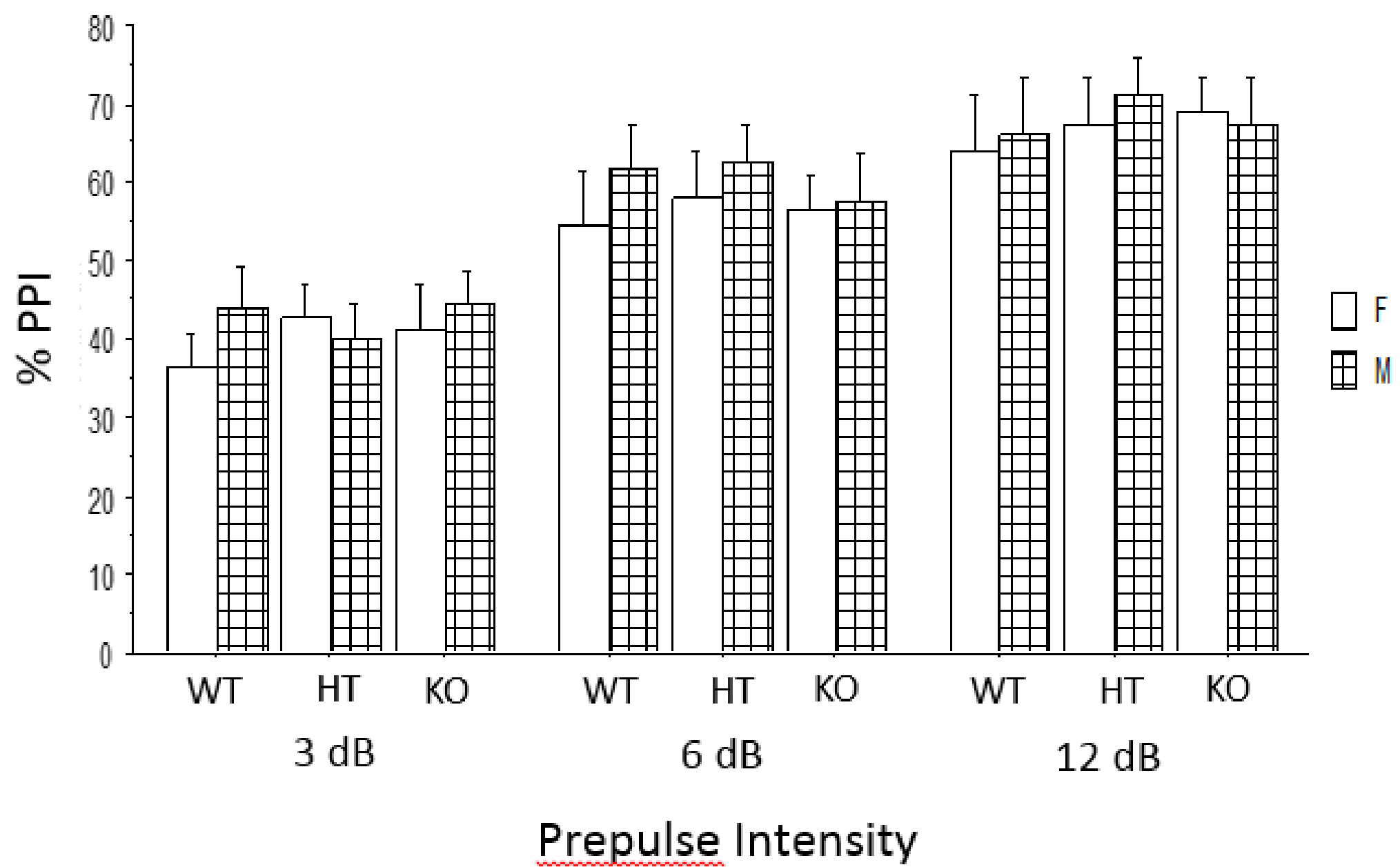


B) Nestlet Used



Supp. Figure 1. No effect of genotype on nest building.

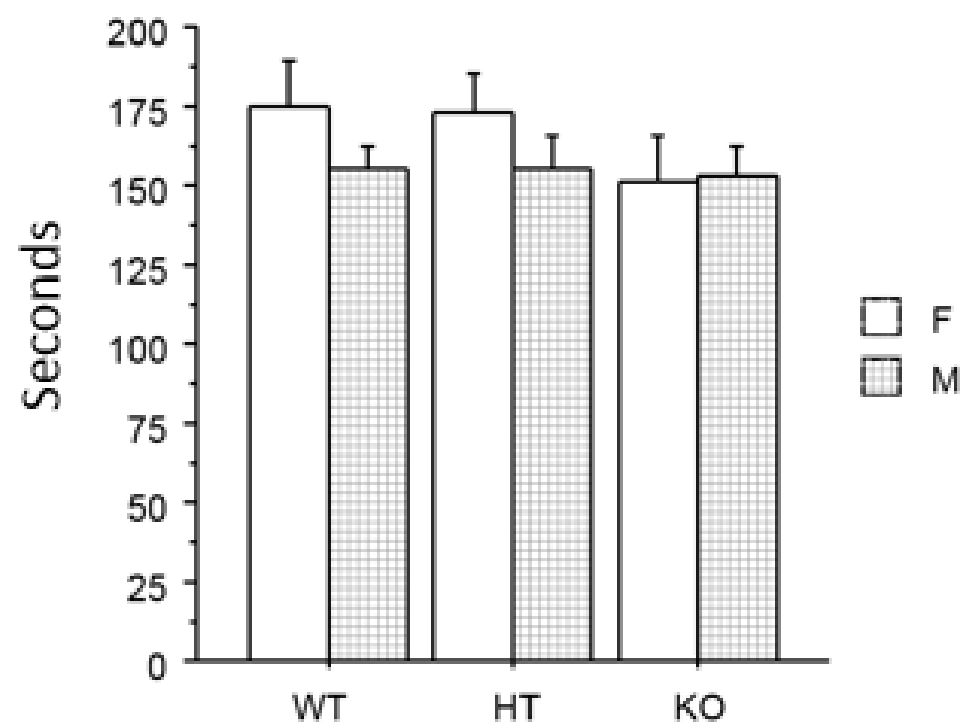
Supplemental Figure 2
Prepulse Inhibition



Supp. Figure 2. No effect of genotype on prepulse inhibition.

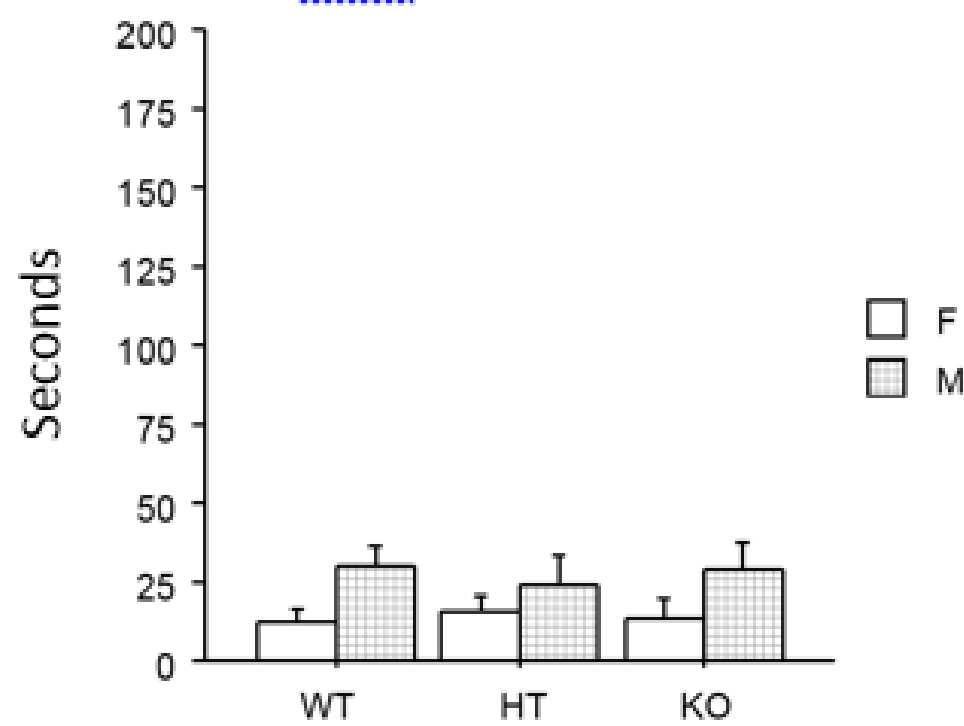
Supplemental Figure 3

A) FST: Immobility

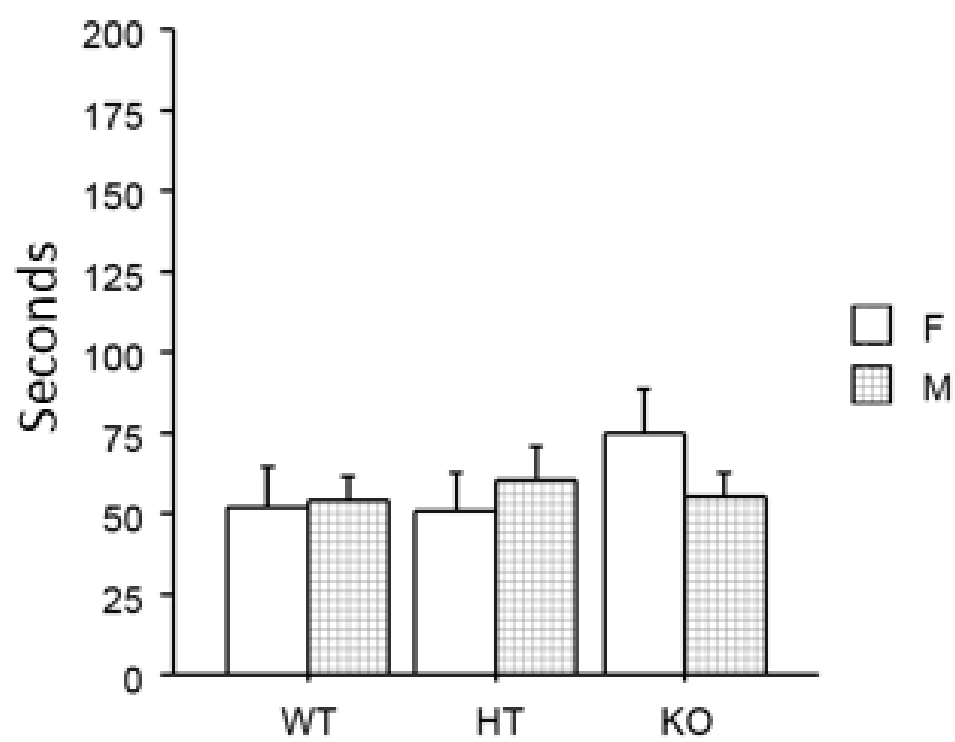


B) FST: Climbing

main effect of sex: $p < 0.05$

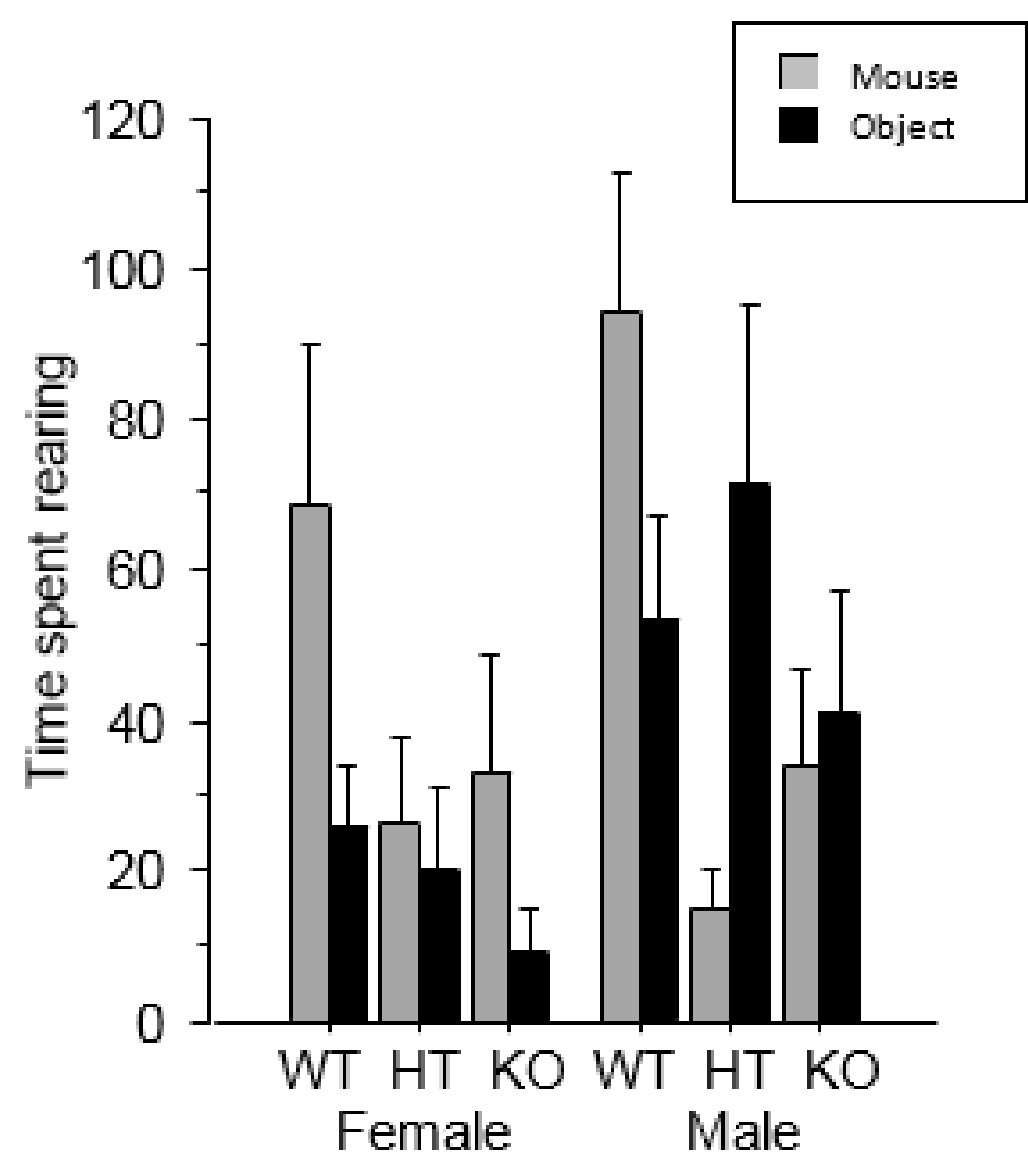


C) FST: Swimming



Supp. Figure 3. No effect of genotype in the forced swim test.

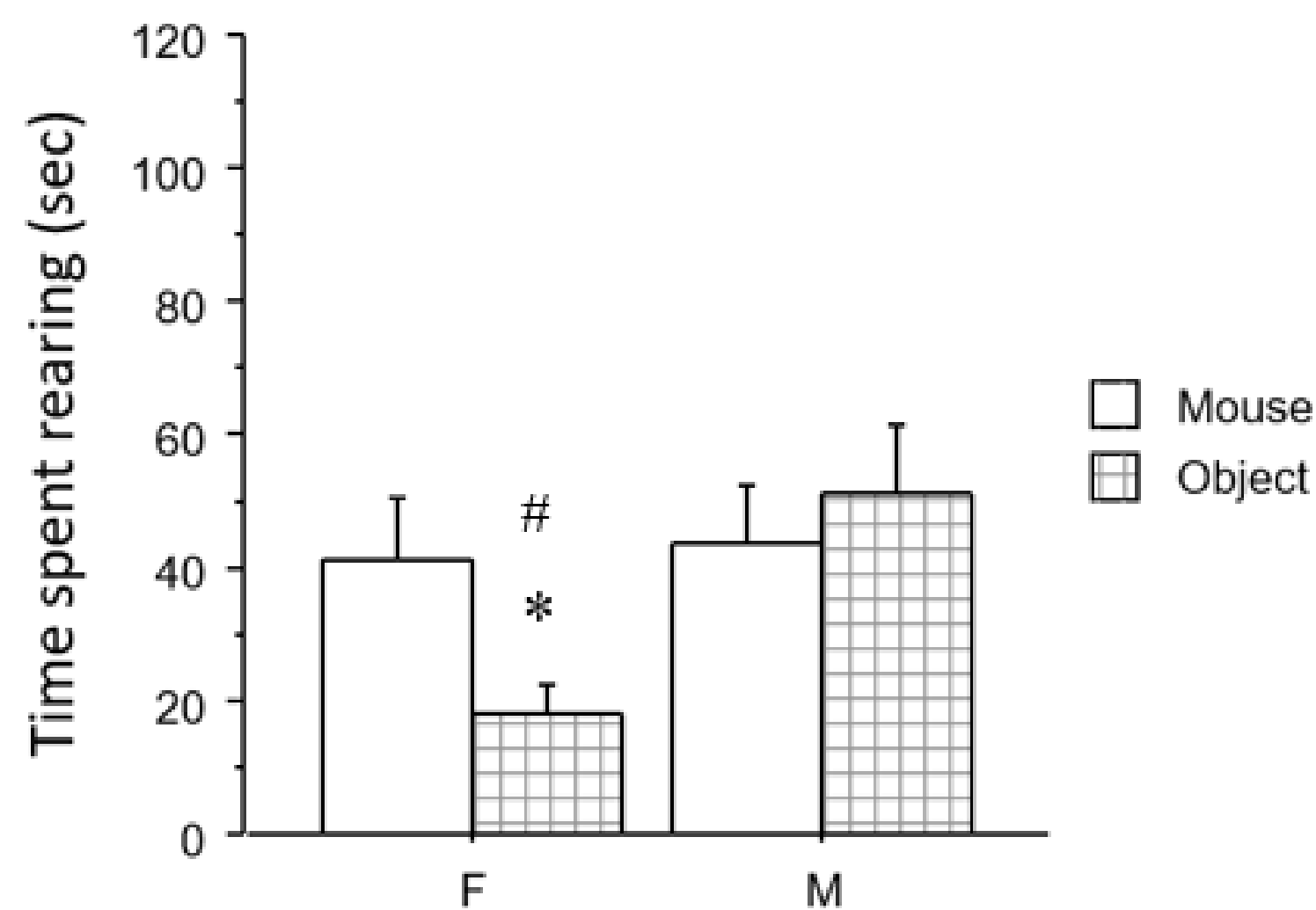
Supplemental Figure 4



Supp. Figure 4. Time spent rearing in the zone surrounding the mouse or object.

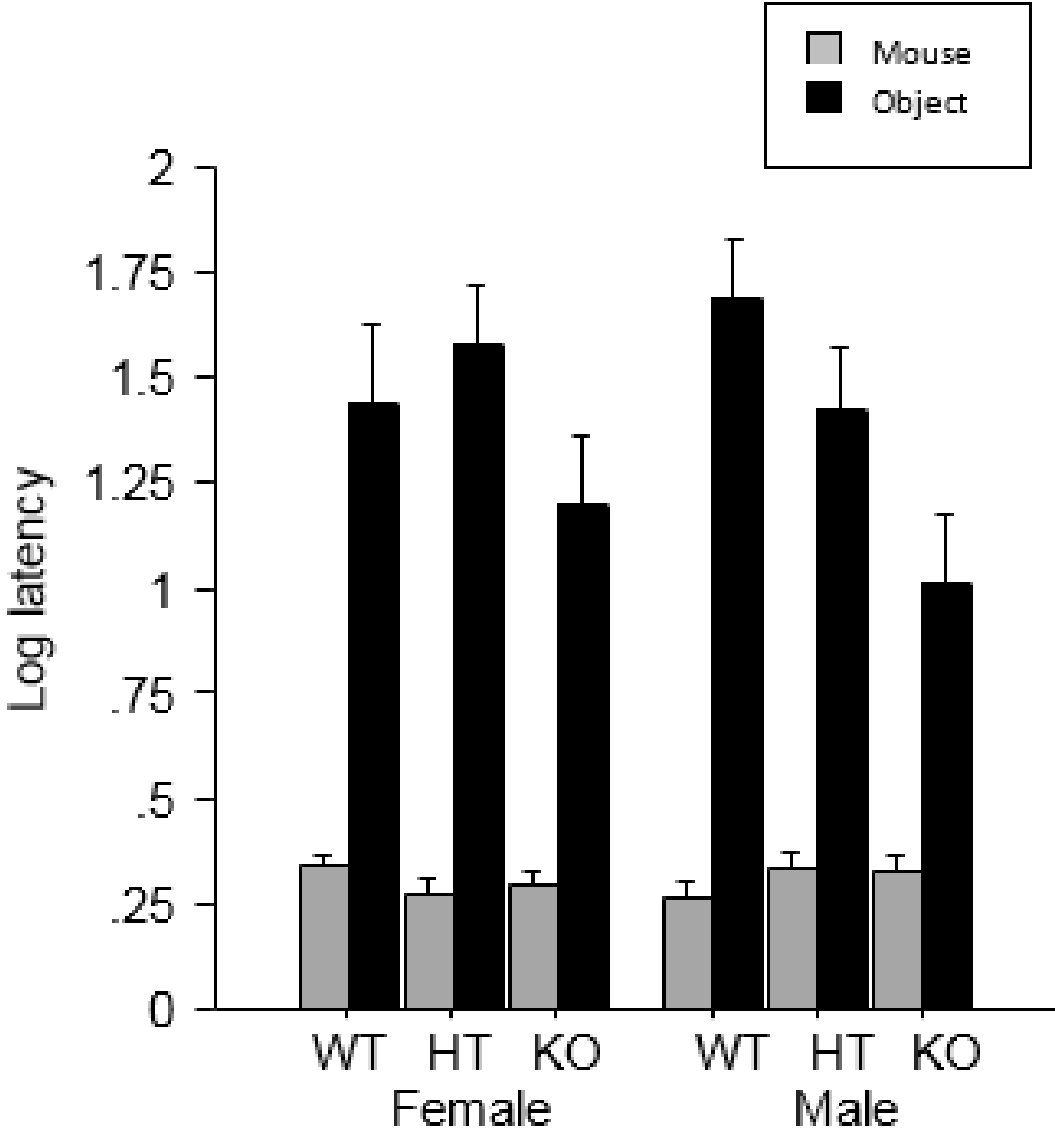
Supplemental Figure 5
Social Interaction

Experiment 1



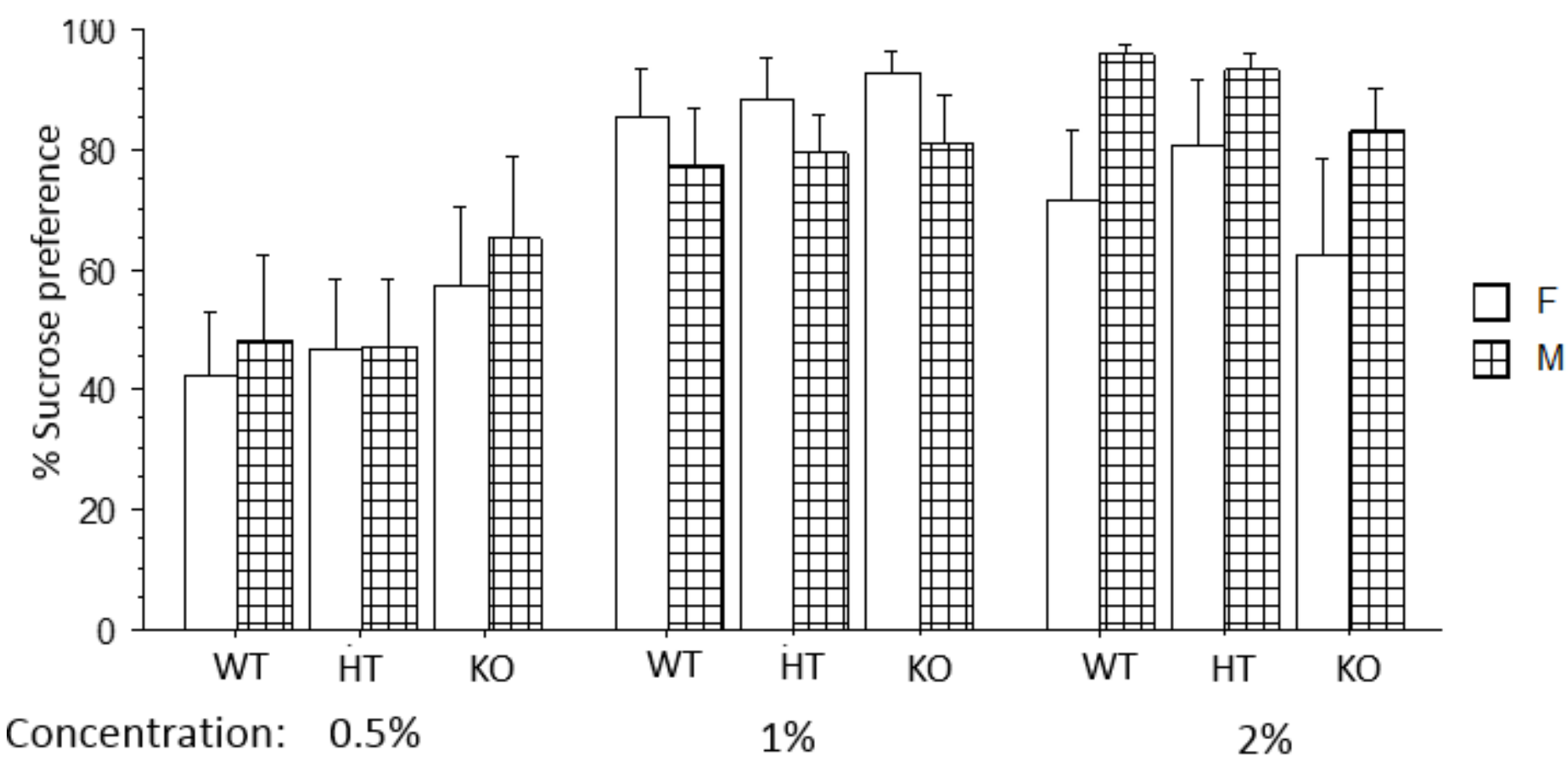
Supp. Figure 5. Female mice spent less time rearing in the zone around the object.

Supplemental Figure 6



Supp. Figure 6. Log latency for mice to enter the zone around the mouse or object.

Supplemental Figure 7



Supp. Figure 7. No effect of genotype in the sucrose preference test.