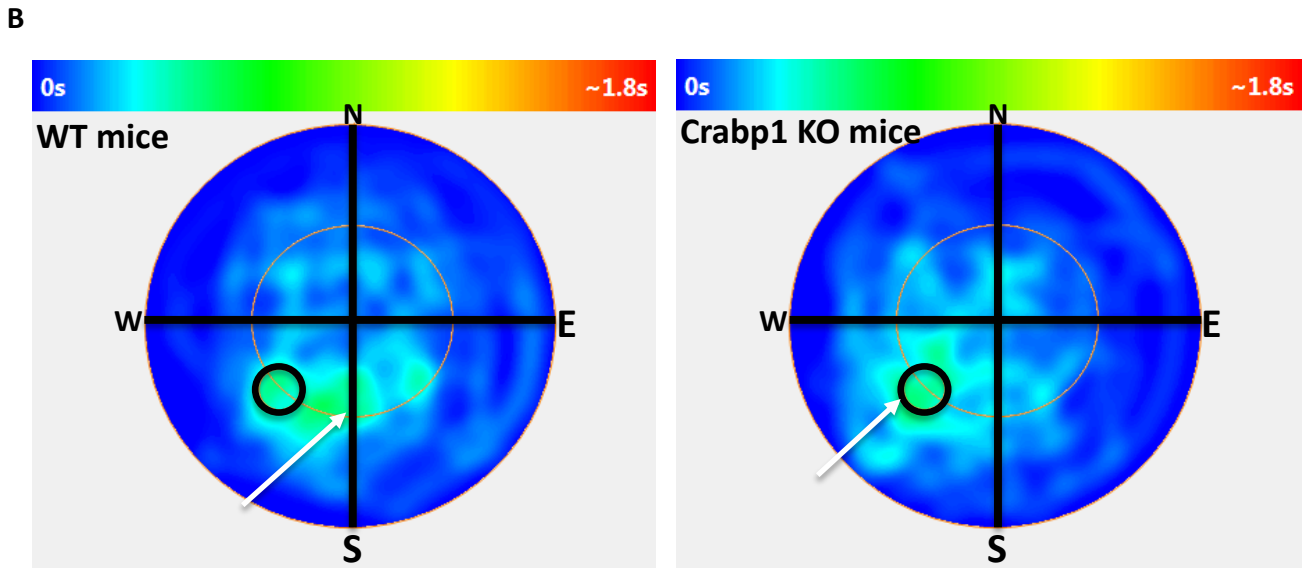
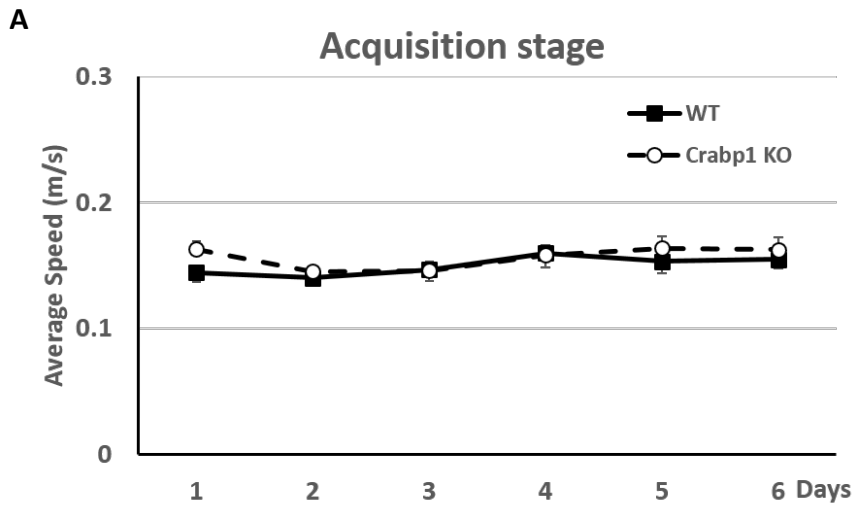


**Supplementary Figure 1:**

**Comparison of CRABP1 KO and WT animal body weight and food consumption.** (A) There is no difference between WT and Crabp1 KO mice in the body weight from weaning to 11 weeks old. (B) There is no difference between 8 weeks old WT and Crabp1 KO mice in food intake. Results are presented as means  $\pm$  s.e.m



**Supplementary Figure 1. Persaud, et al**

**Supplementary Figure 2:**

**Enhanced memory in Crabp1 KO mice is independent of swimming speed.**

(A) In the acquisition stage, there is no difference between WT and Crabp1 KO mice in the average swimming speed. (B) The heat map shows the time duration spent in each zone in probe test.

Crabp1 KO mice spend a longer duration and at the precise location near the circular platform in the southwest quadrant. Black circle: platform; arrow indicates mouse location.