**SUPPLEMENTARY FIGURES**

**Supplementary Figure 1.** Body weight of female C57BL/6 mice at the beginning (day 1) and by end (day 15) of sleep deprivation modeling. (A) - Young mice (1.5 months); (B) - Adult mice (7-9 months). No statistical differences between groups, p≤0.05, the Wilcoxon T-test.

**Supplementary Figure 2.** Main target searching strategies of female C57BL/6 mice during long-term memory retention test in the Morris water maze after sleep deprivation modeling. (A) Young mice (1.5 months); (B) Adult mice (7-9 months).