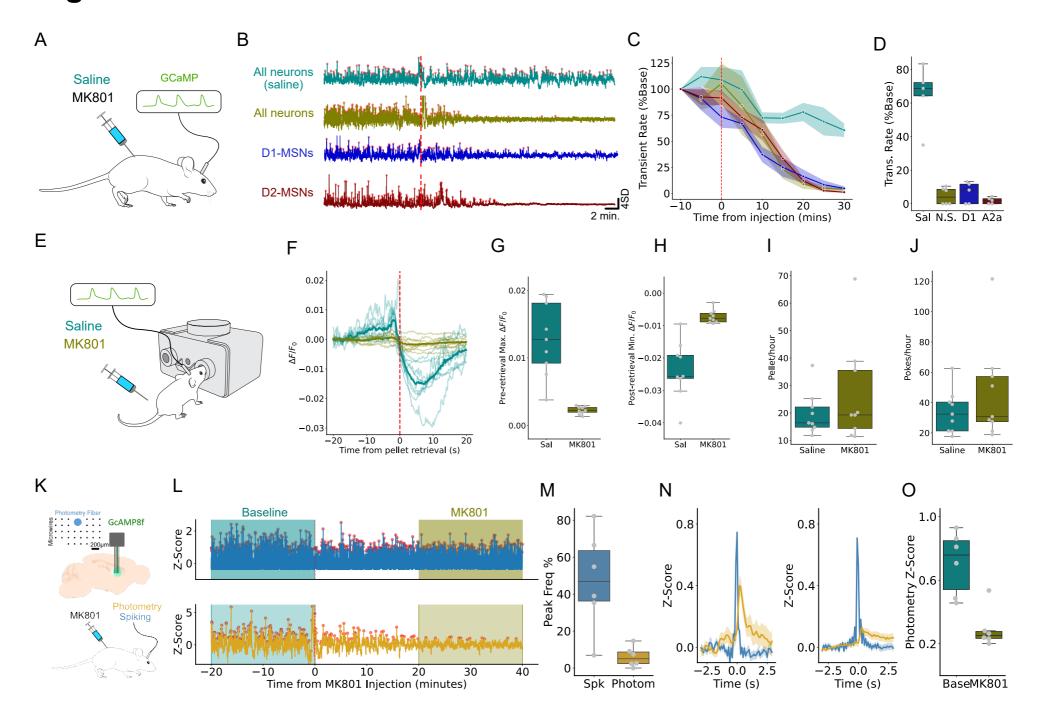
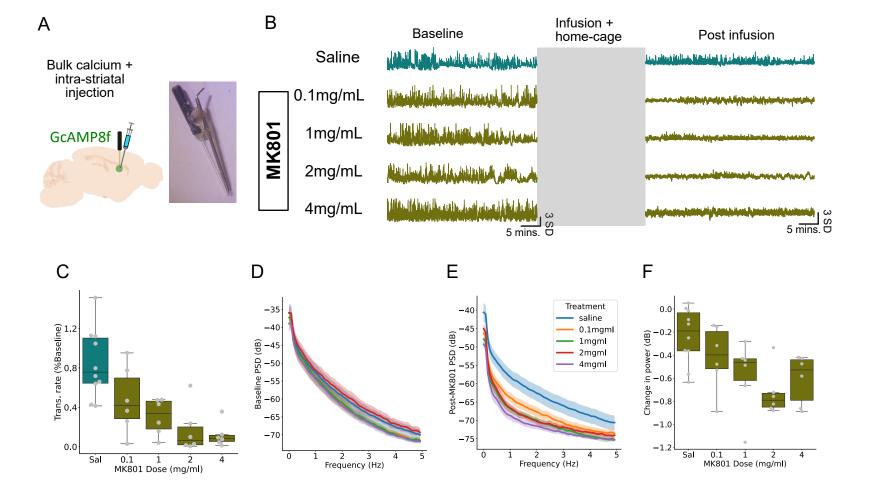
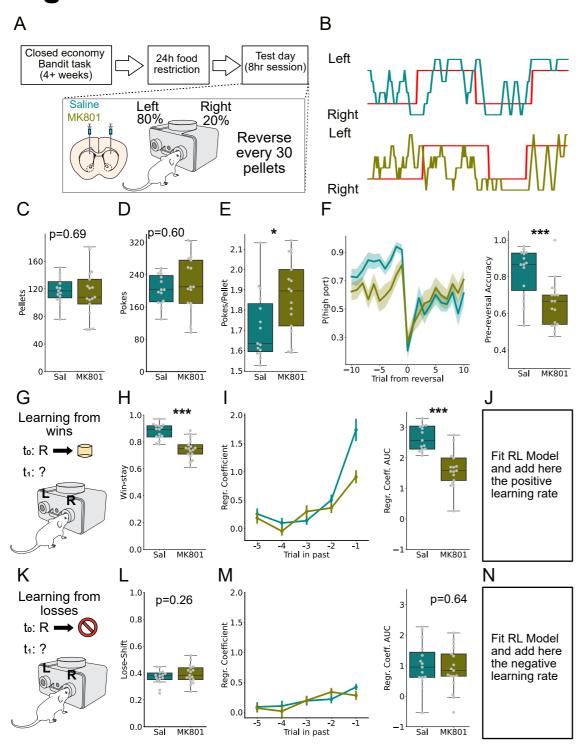
### Figure 1



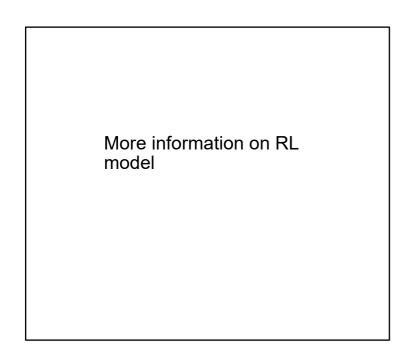
## Figure 2



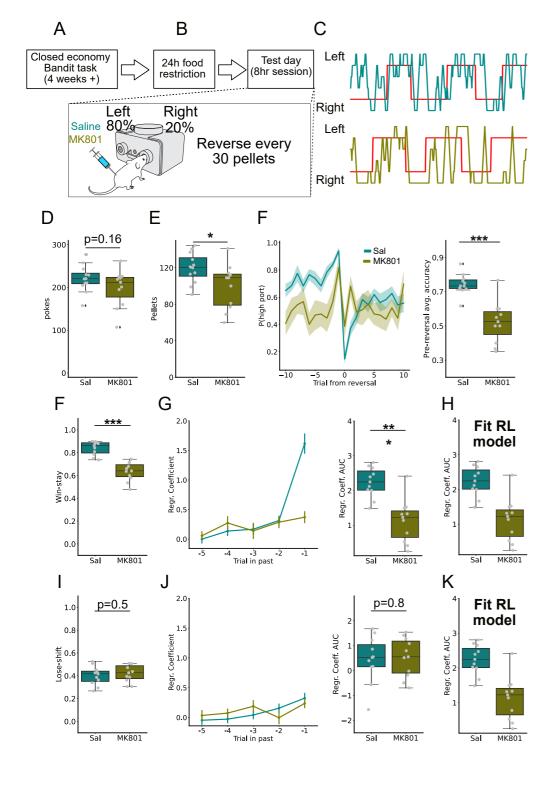
## Figure 3



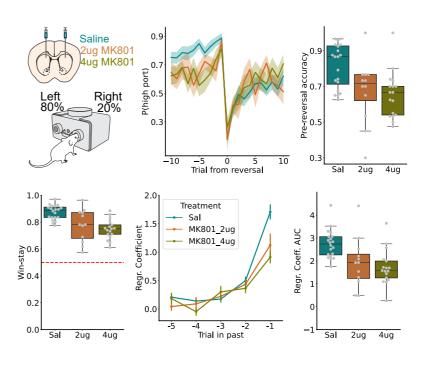
#### **Supplemental Figure 5**



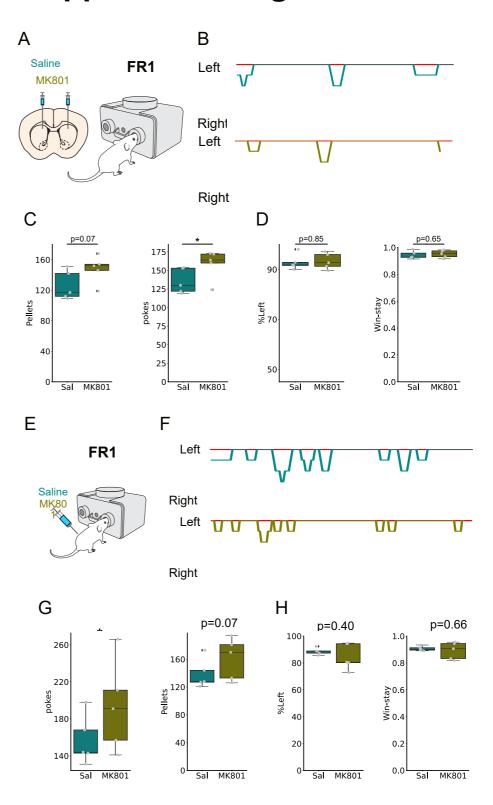
#### **Supplemental Figure 6**



#### **Supplemental Figure 7**



#### **Supplemental Figure 8**



Supplemental Figure 1	Supplemental Figure 2
Effects of MK801 in other brain regions	Splitting D1s and D2s for tone and retrieval response

# **Supplemental Figure 3**

Photometry and spiking relationship after saline injection

## **Supplemental Figure 4**

More information on the relationship between peaks and power and the effect of photometry. More description of what happens to saline