

Supporting Information

Dwyer et al. 10.1073/pnas.1505289112

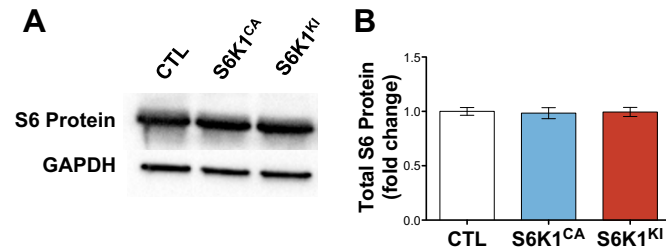


Fig. S1. Western blot analysis of HEK293 cells transfected with control, S6K1^{CA}, or S6K1^{KI} plasmids. Lysates were collected 48 h after transfection. (A) Representative blots of S6 protein and GAPDH. (B) Neither S6K1^{CA} nor S6K1^{KI} influenced expression of total S6 protein levels. $n = 4$ cultures per group. Error bars represent mean \pm SEM.

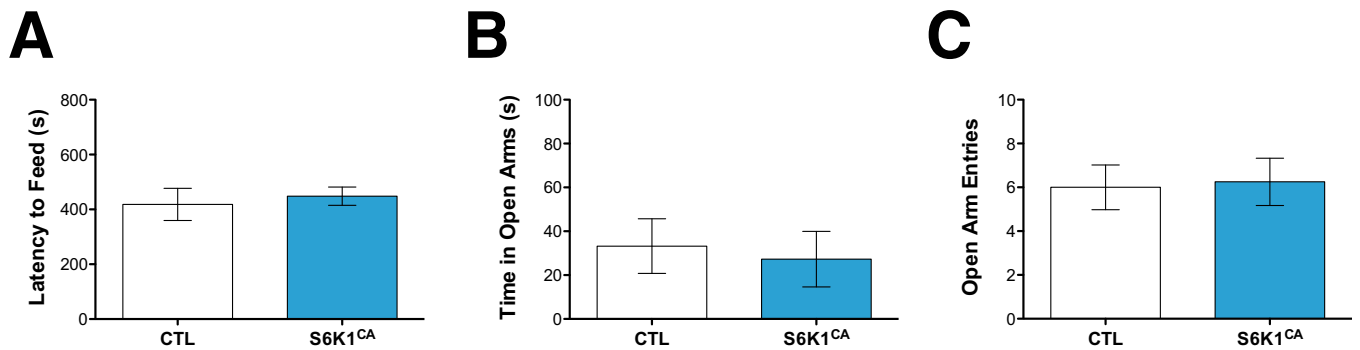


Fig. S2. Increased S6K1 activity in the mPFC does not affect anxiety-related behavior. (A) S6K1^{CA} did not affect latency to feed in the novelty-suppressed feeding test. (B and C) S6K1^{CA} did not affect time spent in the open arms (B) or entries into the open arms in the elevated plus maze (C). Error bars represent mean \pm SEM.

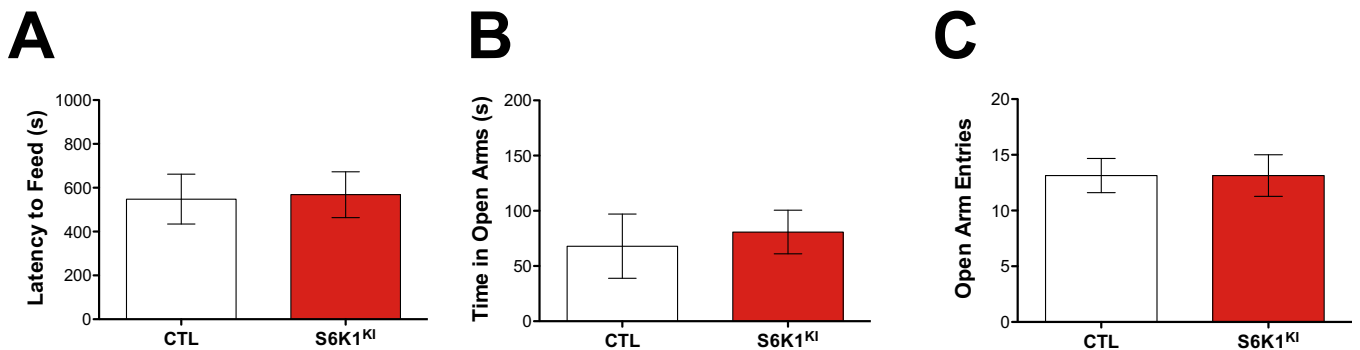


Fig. S3. Decreased S6K1 activity in the mPFC does not affect anxiety-related behavior. (A) S6K1^{KI} did not affect latency to feed in the novelty-suppressed feeding test. (B and C) S6K1^{KI} did not affect time spent in the open arms (B) or entries into the open arms in the elevated plus maze (C). Error bars represent mean \pm SEM.

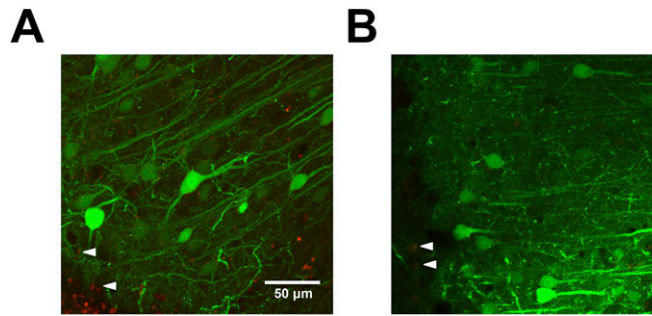


Fig. 54. Confocal Z-stack images of cleaved Caspase 3 (red) and eGFP (green) from S6K1^{Kl}-infected mPFC tissue of rats (20×). Virus expression did not induce Caspase 3 activation, a cellular marker of apoptosis in (A) control- or (B) S6K1^{Kl}-positive neurons. Moreover, the GFP-labeled neurons in the control and active virus are similar, with normal dendrite arbor and processes. Arrows indicate Caspase 3 positive cells.