

1 **SI Guide**

2 **Supplementary Video 1 | Representative video revealing calcium dynamics of dorsal**
3 **medial PFC GCaMP6s-expressing neurons.** Injection of AAV-CaMKII-GCaMP6s resulted in
4 dynamic GCaMP6s fluorescence from hundreds of visible PFC neurons *in vivo* (see methods for
5 details). Data acquisition occurred at 2.5Hz, and this representative video is shown at 10X
6 normal speed (25 frames per second; 485 x 508 pixels; 373 μ m β x 390 μ m).

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