

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Photometry data for sample cue conditioning and random reward sessions.

File name: Supplementary Data 2

Description: Photometry data for sample cue discrimination and reversal discrimination sessions.

File name: Supplementary Data 3

Description: Photometry data for sample probabilistic reward sessions.

File name: Supplementary Data 4

Description: Photomicrographs of probe sites with sensor expression.