## Supplemental Information

Title: An experimental task to examine the mirror system in rats

**Authors:** Yuji Takano<sup>1,2</sup>, Masatoshi Ukezono<sup>1,2,3</sup>

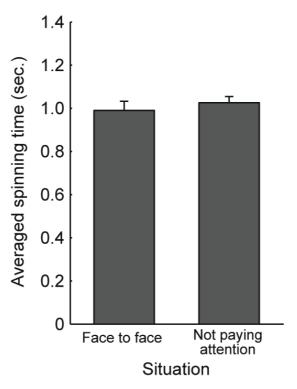
## Affiliations:

<sup>1</sup>NTT Communication Science Laboratories, Nippon Telegraph and Telephone Corporation.

<sup>2</sup>CREST, Japan Science and Technology Agency.

<sup>3</sup>Department of Psychology, Meiji Gakuin University.

Correspondence should be addressed to Y.T. (takano.yuji@lab.ntt.co.jp)



**Figure S1** Comparison of spinning times between "face to face" and "not paying attention" situations. The difference was not significant (t(9) = 0.85, n.s.).

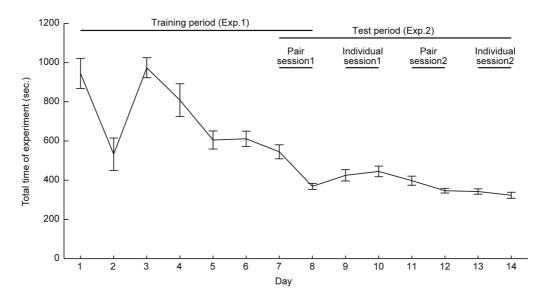
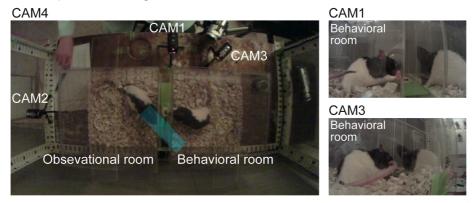


Figure S2 Average daily session time. Error bars represent standard error.

## CAM4 CAM1 CAM1 CAM3 CAM3 CAM3 CAM3 CAM3 Behavioral room Obsevational room Behavioral room

## Example of "ambiguous"



**Figure S3** Criterion for "face to face" situation. In the overview image (CAM4), we judged whether a "ruler" covering the width of the observing rat's head (blue rectangle) also covered the reaching rat's head. In the other three images, we judged whether the two rats were actually face-to-face.