

Chemical cues of identity and reproductive status in Japanese macaques

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Table S1. Definitions of training levels for the five behaviors macaques were trained to perform during the study.

Name	Definition
Bridge	The female is conditioned and associates the sound clicker with a food reward.
Cooperation level 1	The female comes in front of the cage and takes the food reward in the food box, trainer stands within 1m distance from the cage.
Cooperation level 2	The female comes in front of the cage and takes the food reward directly from the trainer's hand.
Cooperation level 3	The female comes in front of the cage and takes the food reward directly from the trainer's hand. The female stays in front of the cage.
Hand training level 1	The female touches the trainer's hand that holds the food reward.
Hand training level 2	The female touches the trainer's hand in the absence of the reward.
Hand training level 3	The female puts her hand on the trainer's hand and hold still for 3 seconds.
Target training level 1	The female takes the food reward on the target stick presented before her.
Target training level 2	The female touches the target stick presented before her.
Target training level 3	The female moves toward the target stick and puts her hand on it.
Target training level 4	The female puts her hand on the target stick and hold still for 3 seconds.
Target training level 5	The female touches the hanging target stick with her hand, the target is hanging in the front of the cage.
Target training level 6	The female puts her hand on the hanging target stick and hold still for 3 seconds, the target is hanging in the front of the cage.
Target training level 7	The female puts her hand on the hanging target stick and hold still for 3 seconds, the target is hanging in the back of the cage.
Presentation training level 1	The female turns around, shows her hindquarters to the trainer, and touches the hanging target stick that hangs on the back of the cage.
Presentation training level 2	The female turns around, shows her hindquarters to the trainer, and touches the hanging target stick that hangs on the back of the cage. The trainer touches the female hindquarters with another target stick.
Presentation training level 3	The female presents her hindquarters to the trainer and hold still for 3 seconds while the trainer touches her hindquarters with another target stick.
Vaginal sampling training level 1	The female presents her hindquarters to the trainer, the trainer touches her hindquarters with a cotton swab.
Vaginal sampling training level 2	The female presents her hindquarters to the trainer and hold still for 3 seconds while the trainer touches her hindquarters with a cotton swab.
Vaginal sampling training level 3	The female presents her hindquarters to the trainer and accepts vaginal sampling with a cotton swab.