

Are horses capable of mirror self-recognition?



Świadomość

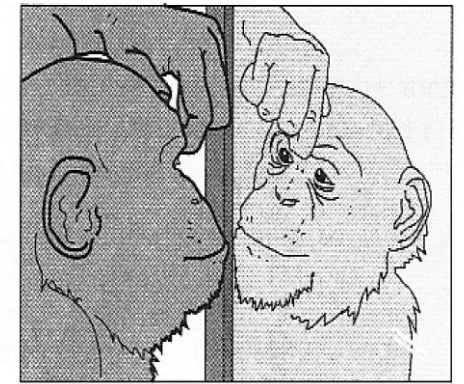
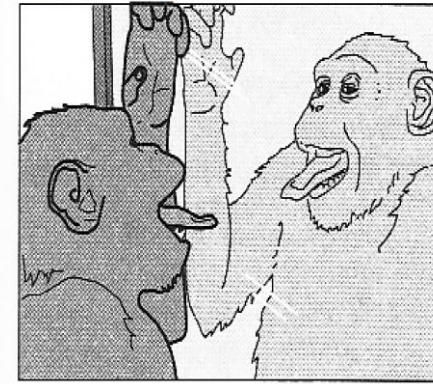
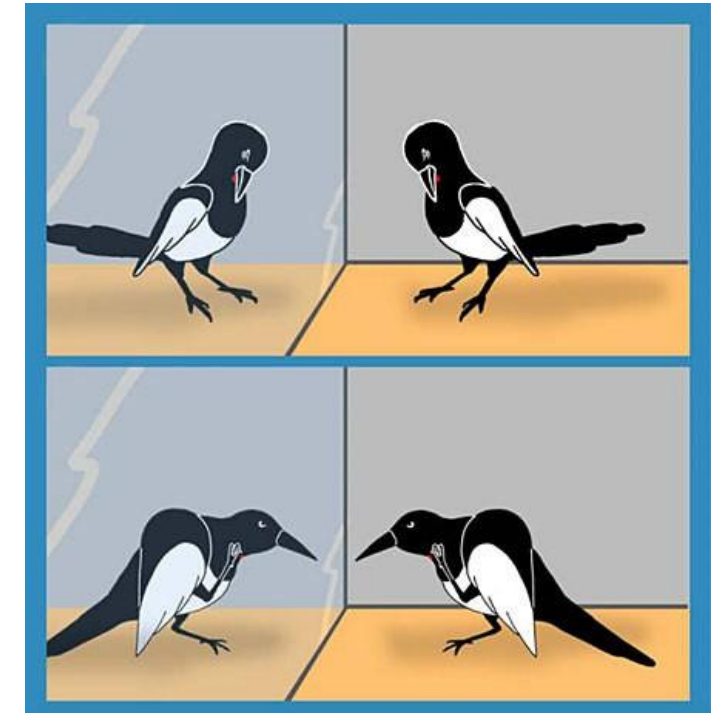


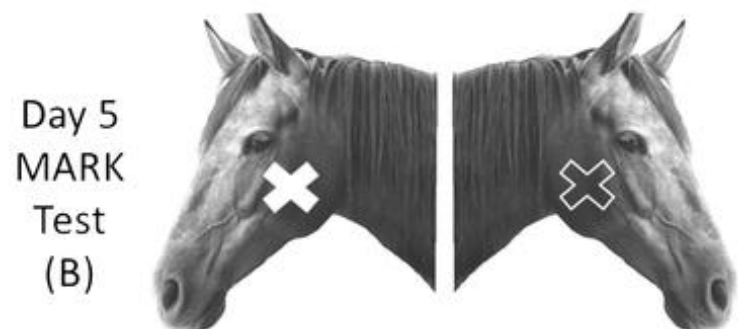
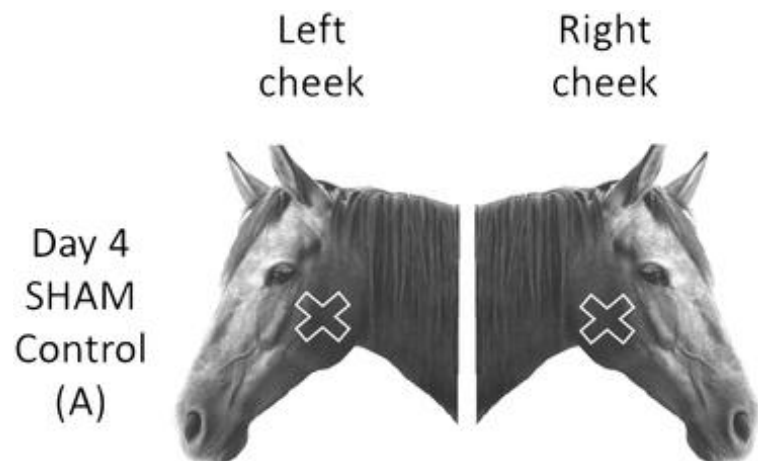
Figure 11.5. A chimpanzee engaging in self-exploratory behavior while looking at itself in a mirror. From photographs in Povinelli and Preuss (1995) with permission.



Horses can recognise their reflection in mirror and want to preen themselves, study finds

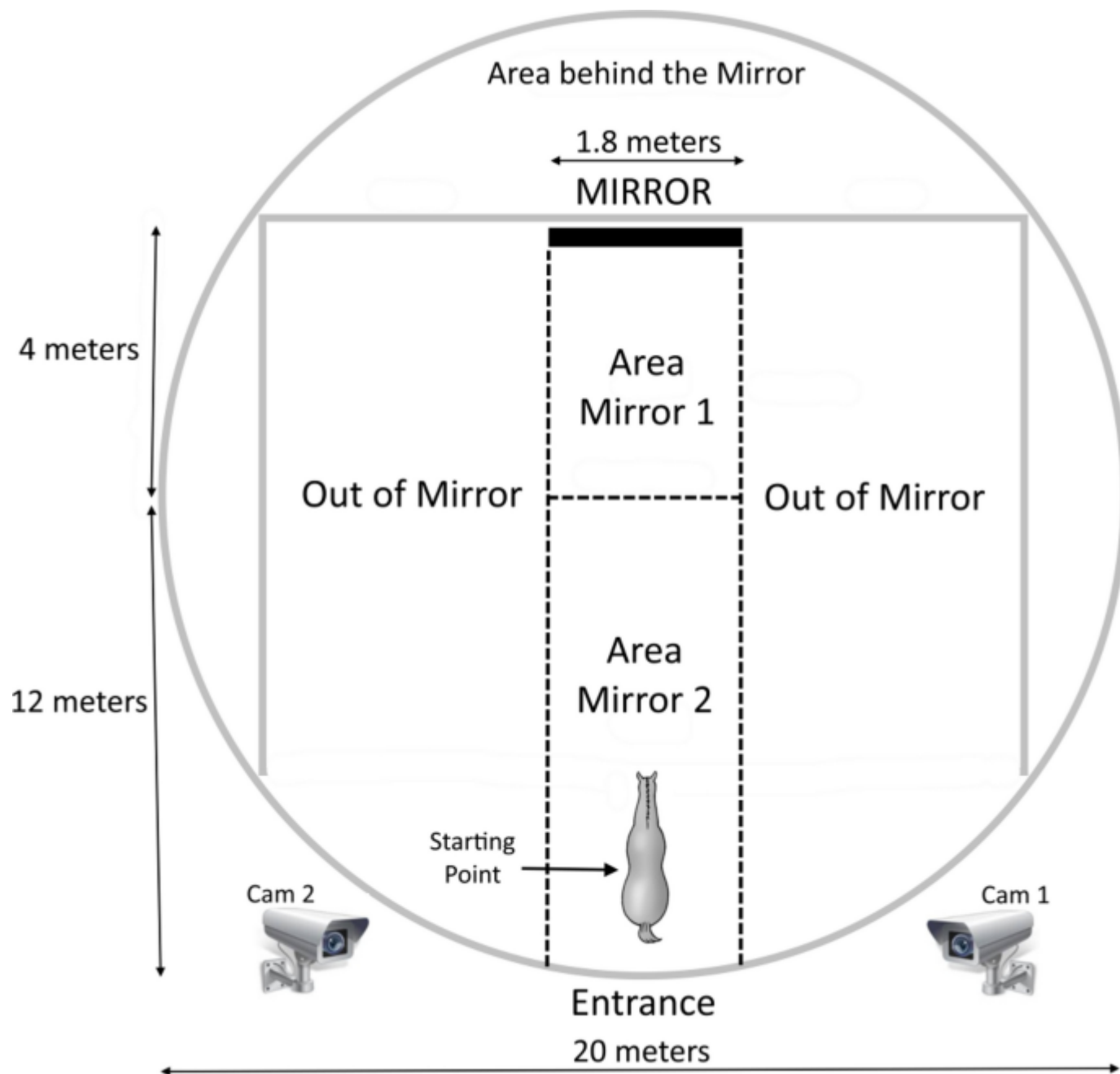






Sham
Mark (C)

Colored
Mark (D)







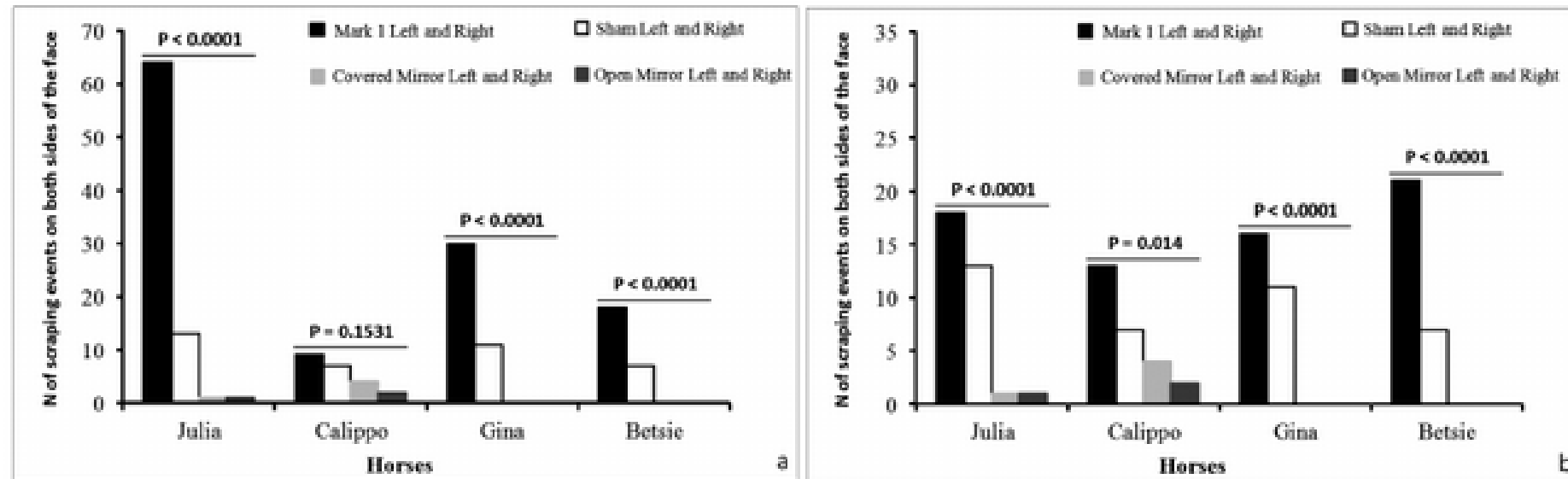


Fig 3. Frequency of scraping events directed towards both cheeks. Bar-graphs showing the frequency of the scraping events (SCRA) that each subject directed towards both sides of their face (see [S1 Fig](#)) across the four different conditions when the colored mark was positioned on the left cheek (**a**) (CM, OM, SHAM, MARK 1; $df = 3$; Julia: $\chi^2 = 137.05$, $p < 0.0001$; Calippo: $\chi^2 = 5.27$, $p = 0.1531$; Gina: $\chi^2 = 58.61$, $p < 0.0001$; Betsie: $\chi^2 = 34.68$, $p < 0.0001$) and when it was placed on the right cheek (**b**) (CM, OM, SHAM, MARK 2; $df = 3$; Julia: $\chi^2 = 27$, $p < 0.0001$; Calippo: $\chi^2 = 10.62$, $p = 0.014$; Gina: $\chi^2 = 28.85$, $p < 0.0001$; Betsie: $\chi^2 = 42$, $p < 0.0001$).

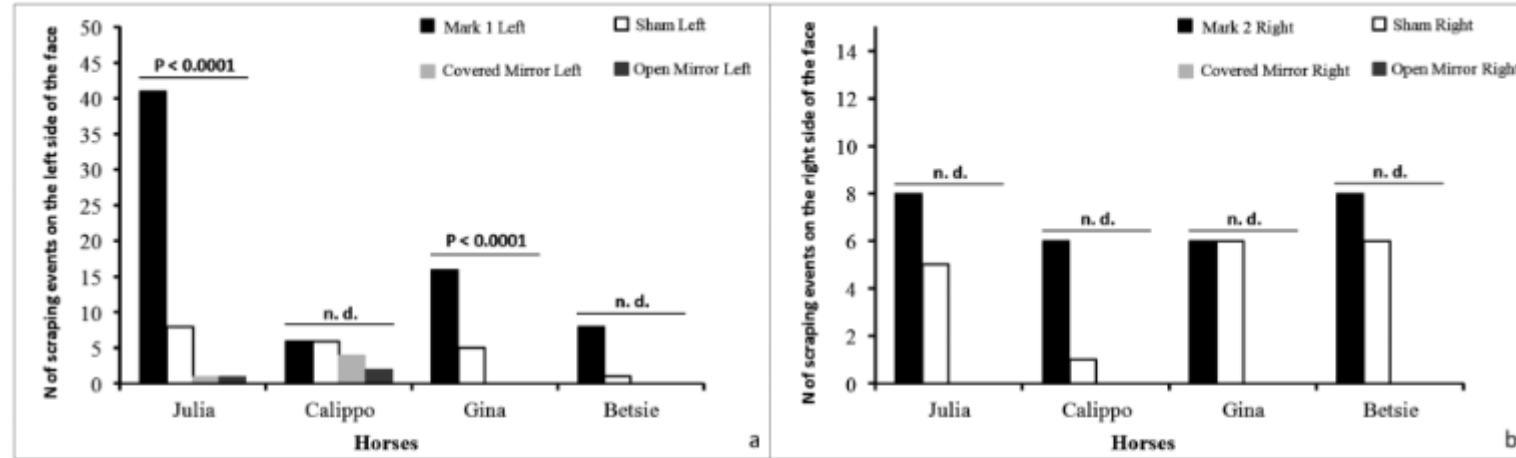


Fig 4. Frequency of scraping events directed towards the left or the right cheek. Bar-graphs showing the frequency of the scraping events (SCRA) that each subject directed specifically towards the left side of their face (see S1 Fig) across the four different conditions when the colored mark was placed on the left cheek (a) (CM, OM, SHAM, MARK 1; $df = 3$; Julia: $\chi^2 = 86.02$, $p < 0.0001$; Calippo: nd—expected values less than 5; Gina: $\chi^2 = 32.52$, $p < 0.0001$; Betsie: nd—expected values less than 5) and when it was placed on the right cheek (b) (CM, OM, SHAM, MARK 2; $df = 3$; Julia, Calippo, Gina, Betsie: nd—expected values less than 5).

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