

Supplementary Table S1. The results of binary choice experiments testing male preferences for photographs of females with red or orange claw coloration are presented. The number of displays made to each color, the side of first display, and the preferred side are presented. Totals are shown with results of two-tailed exact binomial tests.

Red vs. Orange 0.48

Preferred Color	Number of Displays			First Display	Preferred Side
	Red	Orange	Total		
Red	3	1	4	Red	Right
Red	4	2	6	Red	Left
Red	3	0	3	Orange 0.48	Left
Orange 0.48	1	8	9	Red	Left
Orange 0.48	0	8	8	Orange 0.48	Right
Red	14	3	17	Red	Right
Red	17	5	22	Red	Left
Red	4	0	4	Red	Right
Red	1	0	1	Red	Right
Orange 0.48	1	8	9	Orange 0.48	Right
Red	4	0	4	Red	Right
Red	5	0	5	Red	Right
Red	3	0	3	Red	Right
Red	3	0	3	Red	Left
Red	3	1	4	Red	Right
Red	3	0	3	Red	Left
Red	11	9	20	Red	Left
Red	14	5	19	Orange 0.48	Right
Red	7	0	7	Red	Right
Red 16: Orange 3			Red 15: Orange 4		Left 7: Right 12
p≤0.004			p≤0.019		n.s.

Red vs. Orange 0.85

Preferred Color	Number of Displays			First Display	Preferred Side
	Red	Orange	Total		
Red	4	1	5	red	Right
Orange 0.85	0	7	7	Orange 0.85	Right
Orange 0.85	1	3	4	Orange 0.85	Left
Red	2	1	3	Red	Right
Red	8	3	11	Red	Right
Orange 0.85	1	5	6	Orange 0.85	Left
Red	10	1	11	Red	Right
Orange 0.85	6	3	9	Orange 0.85	Right
Red	3	1	4	Red	Left
Red	1	0	1	Red	Left
Orange 0.85	1	4	5	Orange 0.85	Left
Orange 0.85	0	4	4	Orange 0.85	Right
Orange 0.85	1	5	6	Orange 0.85	Left
Orange 0.85	2	7	9	Orange 0.85	Left
Red	3	1	4	Red	Right
Red 8: Orange 7			Red 8: Orange 7		Left 7: Right 8
n.s.			n.s.		n.s.

Red vs. Orange 2.6

Preferred Color	Number of Displays			First Display	Preferred Side
	Red	Orange	Total		
Orange 2.6	0	2	2	Orange 2.6	Right
Red	3	0	3	Red	Right
Orange 2.6	0	2	2	Orange 2.6	Right
Orange 2.6	0	4	4	Orange 2.6	Left
Red	6	3	9	Red	Right
Orange 2.6	2	4	6	Orange 2.6	Left
Orange 2.6	1	10	11	Orange 2.6	Left
Red	1	0	1	Red	Right
Red	11	0	11	Red	Left
Red	14	1	15	Red	Left
Red	10	0	10	Red	Right
Orange 2.6	3	10	13	Orange 2.6	Right
Red	14	0	14	Red	Right
Red	5	2	7	Red	Left
Red	15	9	24	Orange 2.6	Left
Red	6	4	10	Red	Left
Orange 2.6	0	10	10	Orange 2.6	Left
Orange 2.6	0	9	9	Orange 2.6	Right
Red	4	0	4	Red	Left
Red	16	0	16	Red	Right
Red	16	2	18	Red	Left
	Red 13: Orange 8			Red 12: Orange 9	Right 10: Left 11
	n.s.			n.s.	n.s.

Red vs. Orange 5.1

Preferred Color	Number of Displays			First Display	Preferred Side
	Red	Orange	Total		
Red	8	0	8	Red	Left
Orange 5.1	3	6	9	Red	Left
Red	3	2	5	Red	Left
Red	19	11	30	Red	Right
Red	11	2	13	Red	Left
Orange 5.1	0	5	5	Orange 5.1	Right
Red	5	4	9	Red	Right
Red	16	1	17	Red	Left
Red	12	3	15	Red	Left
Red	3	0	3	Red	Right
Red	10	3	13	Red	Right
Red	4	1	5	Orange 5.1	Right
Red	16	1	17	Red	Right
Red	11	0	11	Red	Left
	Red 12: Orange 2			Red 12: Orange 2	Left 7: Right 7
	p≤0.001			p≤0.001	n.s.

Red vs. Orange 7.7

Preferred Color	Number of Displays			First Display	Preffered Side
	Red	Orange	Total		
Red	8	0	8	Red	Right
Red	6	1	7	Red	Left
Red	5	1	6	Red	Left
Red	10	3	13	Red	Left
Red	2	0	2	Red	Left
Red	2	0	2	Red	Left
Orange 7.7	3	9	12	Orange 7.7	Right
Red	2	0	2	Red	Right
Orange 7.7	1	7	8	Orange 7.7	Left
Red	4	0	4	Red	Left
Red	17	2	19	Red	Left
Red	3	0	3	Red	Left
Red	5	3	8	Red	Right
Red	5	0	5	Red	Right
Red	3	0	3	Red	Left
Red	3	1	4	Red	Right
Red	5	1	6	Red	Left
Red	5	0	5	Red	Right

Red 15: Orange 2
p≤0.002

Red 15: Orange 2
p≤0.002

Left 11: Right 6
n.s.

Red vs. Orange 12

Number of Displays

Preferred Color	Red	Orange	Total	First Display	Preferred Side
Red	9	5	14	red	Left
Red	4	0	4	red	Left
Red	3	0	3	red	Right
Orange 12	0	6	6	Orange 12	Left
Red	4	1	5	red	Right
Orange 12	0	5	5	Orange 12	Right
Red	3	0	3	red	Right
Red	21	0	21	Orange 12	Right
Red	13	0	13	red	Right
Orange 12	0	11	11	Orange 12	Right
Orange 12	0	6	6	Orange 12	Left
Orange 12	2	17	19	Red	Left
Red	9	0	9	Red	Right
Red	4	2	6	Red	Right
Red	11	0	11	Red	Left
Red	2	0	2	Red	Right
Red	11	1	12	Red	Left
Red	15	3	18	Red	Left
Red	8	4	12	Red	Right
Red	3	1	4	Red	Right

**Red 15: Orange 5
p≤0.041**

**Red 15: Orange 5
p≤0.041**

**Left 8: Right 12
n.s.**