1	Pointing and pantomime in wild apes? Female bonobos use referential and iconic
2	gestures to request genito-genital rubbing
3	
4	Pamela Heidi Douglas & Liza R. Moscovice
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7	Supplementary Information
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11	Table 1. Ethogram describing other intentional gestures used by females to
12	solicit GG rubbing interactions.

Besture	Description
Bipedal stand	Stand bipedally on both legs,
	facing recipient with an upright posture
lead shake	Rapidly nod head up and down
entral present	Spread legs open to present genital region
·	ventrally while facing a recipient
Rock	Rock torso with a back to front motion
ouch	Gently touch or nudge recipient, usually using a foot

- 19 Supplementary Table 2. Comparison of GG rubbing rates per minute, without and
- 20 with referential or iconic gesturing, while feeding on non-monopolisable foods.

Signaller	GG rate without a referential or iconic gesture	GG rate following a referential or iconic gesture
Dj	0.006	0.778
Gw	0.002	0.719
Ir	0.002	1.000
Lu	0.004	1.000
Ma	0.003	0.964
OI	0.002	0.571
Po	0.004	0.571
Su	0.005	1.000
Wi	0.004	1.000
Zo	0.003	1.000

- 27 Supplementary Table 3. Results of a GLMM comparing the likelihood of co-
- 28 feeding following successful or unsuccessful gestural solicitations.
- 29 Significant predictors are indicated in bold typeface.

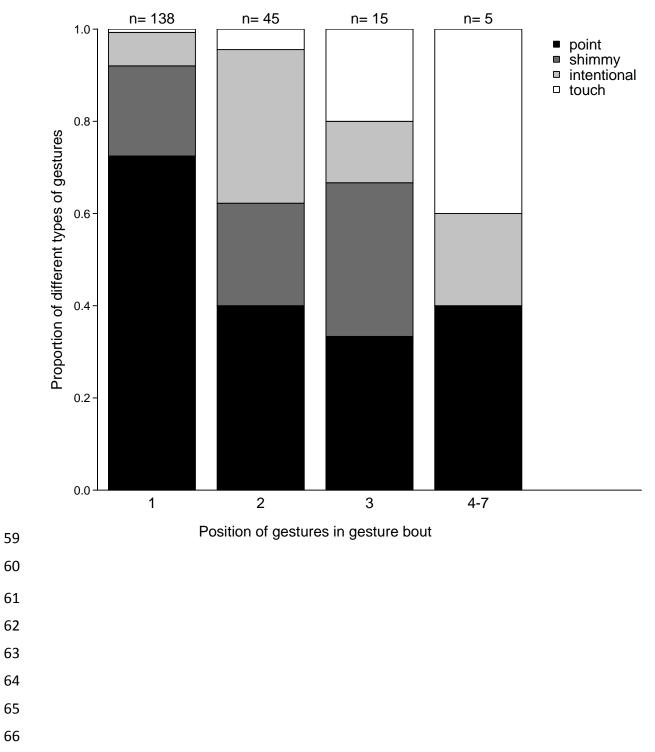
Response Variable	Estimate	SE	P value
Co-feed following gesture (yes/no)			
Intercept	-0.6286	0.4378	
Gesture leads to GG rubbing	1.3072	0.4889	0.0075

34 Supplementary Figure Legend

36 Supplementary Figure 1. Description of elements within gesture bouts.

- 37 The relative amount and position of different gesture types within gesture bouts,
- including foot-pointing, hip shimmies, and other intentional gestures. Shading indicates
- 39 different gesture types. Intentional gestures include bipedal stand, head shake, ventral
- 40 present and rock. Numbers over the bars indicate the total number of gesture bouts of
- 41 each length (shown on the x-axis).

57 Supplementary Figure 1



69 Supplementary Movies

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71 Supplementary Movie 1. Example of foot-pointing gesture.

At 00:02, Dj is initiating a solicitation to Na who is feeding. A yellow circle surrounds Dj's

right foot during her pointing gesture, and the footage has been slowed down during the

pointing to assist in detecting the gesture. The females then engage in prolonged GG

rubbing. Afterwards, the females co-feed.

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78 Supplementary Movie 2. Example of hip shimmy gesture.

At 00:00, Ma is soliciting to Ri who is feeding (initially outside the frame). A yellow circle

80 surrounds Ma's hips and sexual swelling during her hip shimmy. Ma moves closer to Ri,

and then shows persistence in gesturing again with a ventral present and second hip

shimmy at 00:19 (partly obstructed by foliage). The females then engage in a GG

83 rubbing.

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