

Network scaling reveals consistent pattern in hierarchical mammalian societies

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Supplementary information 2 – data sources

| Species | Population | Grouping Level | | | | | Reference |
|--|------------------|----------------------------------|-----------------------------|-----------------------------|----------------------------|-------------------------------|--|
| Elephant <i>Loxodonta africana</i> | Amboseli | Sub-population (1) 312 | Clan (5) 62.4 | Bond Group (3) 23 | Family (32) 9.75 | M-O Unit (3) 3.33 | Moss (1981); Moss & Poole (1983) |
| Gelada <i>Theropithecus gelada</i> | Bole | Community (1) 181 | Band (3) 60.3 | Team (3) 27.0 | OMU (10) 17.1 | Clique (1) 5.1 | Dunbar & Dunbar (1975); Dunbar unpubl. |
| | Gich | (1) 278 | (2) 139.0 | | (25) 10.1 | | Kawai <i>et al.</i> (1983) |
| | Sankaber | (1) 577 | (5) 139.8 | (7) 28.7 | (46) 13.5 | | Dunbar (1984); Dunbar unpubl. |
| | Arsi | | (1) 58 | | (14) 7.9 | | Mori <i>et al.</i> (1999) |
| | Mean | 345.3 | 99.3 | 27.9 | 12.2 | 5.1 | |
| Hamadryas <i>Papio hamadryas hamadryas</i> | Eritrea | Troop | Band (6) 139.2 | Clan | OMU (92) 7.7 | Clique | Zinner <i>et al.</i> (2001) |
| | Ethiopia | (2) 255 | (3) 73 | | | | Kummer (1968) |
| | Saudi Arabia | | (32) 39.6 | | (90) 6.5 | | Biquand <i>et al.</i> (1992) |
| | Awash 1968 | | (5) 59.4 | | | | Nagel (1973) |
| | Awash 1975 | | (1) 63 | (2) 29.0 | (8) 7.3 | | Sugawara (1979) |
| | Filoha | | (1) 165 | | (24) 4.9 | | Swedell (2000) |
| | ErerGota 1971 | (1) 232 | (3) 77.3 | (3) 20.0 | (7) 8.6 | | Sigg <i>et al.</i> (1982); Abbeglen (1977) |
| | ErerGota 1977 | | (1) 69 | (3) 23.0 | (10) 6.8 | | Sigg <i>et al.</i> (1982) |
| | Captive | | | | | (1) 2.9* | Kudo & Dunbar (2001) |
| | Mean | 243.5 | 85.7 | 24.0 | 7.0 | 2.9 | |
| Orca <i>Orcinus orca</i> | British Colombia | | Community (1) 216 | Clan (4) 74.8 | Pod (13) 19.8 | Matriline (53) 5.62 | Ford <i>et al.</i> (2000) |

Table 1: Data set of mean group sizes at each grouping level for elephants, gelada, hamadryas and orca. Numbers in parentheses indicate samples sizes at each grouping level (OMU: one-male unit). * Data reported in Kudo & Dunbar (2001) scaled to OMU size of wild populations and to include immature animals.

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