

The prospect of rising in rank is key to long-term stability in Tibetan macaque society

Lixing Sun^{1,*}, Dong-Po Xia^{2,*}, Shine Sun³, Lori K. Sheeran⁴, Jin-Hua Li⁵

¹Department of Biological Sciences, Central Washington University, Ellensburg, Washington 98926, United States of America. ²School of Life Sciences, Anhui University, Hefei, P.R. China. ³Central Washington University/EHS, Ellensburg, Washington 98926, United States of America. ⁴Department of Anthropology, Central Washington University, Ellensburg, Washington 98926, United States of America. ⁵School of Resource and Environmental Engineering, Anhui University, P.R. China. Correspondence and requests for materials should be addressed to L.S. (email: lixing@cwu.edu) or J.-H.L. (email: jhli@ahu.edu.cn)

*co-first authors

Supplementary information:

Complete dataset about the ranks of adult Tibetan macaques of the YA1 group (1987 – 2015). Note: the rank orders were constructed based on a total of 5-10 months of observation (scattering over 6-12 months of field work) per year. The individuals included were all adult members (see the definition in the Methods section in the article) that were present in the group for at least 6 months of the year.

Males:

Name	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
Daqiang	1	1																											
Huangmao	2	2	1	1	1	1	1																						
Zuoshizhi	3	3																											
Wushang	4	4	2	2	2																								
Chazui	5	6																											
Erxiong	6	7	3	3	3	2	2																						
Kelian		8																											
Youshizhi		5	4	4																									
Chiyan			5	5	4	3	3	3	3	3																			
Yanbaiban			6	6	5	4	4	4	4																				
Duyanlong					7	9	9	7	7																				
Huangzhong					6	5	5	5	5	4	5	5	5	5	5	1													
Sanxiong						10	10	8	8	7	6	6	6	6	6	2	2	2											
Yelai						11	11	9	9	8	7	7	7	7	7														
Xingxiong						6	6	2	2	2	2	2	2	2	2														
Gaoshan						7	7	6	6	5	3	3	3	3	3				3	3	4	2	2	3	3	3	3	4	5
Gaoxiong						8	8	1	1	1	1	1	1	1	1														
Zhaoyun							12																						
Chawei								10	10	9	8	8	8	8	8	3													
Yaqiang								11	11	10	9	9	9	9	9														
Zhifeng									12	11																			
Huagang										12	10	10	10	10	10	4	1												
Zhiming										13	11	11	11	11	11	5													
Heipi									6	4	4	4	4	4	4														
Zhibing													12	12	12														
Tengben													13	13	13														
Zhilong														14	14	6													
Tengyuan														15	15	7													
Huaheng															16		4												
Panpan																8	3												
Huayong																	5												
Hualang																		1	2	2	2								
Yeda																			1	1	1								

[illegible]

Females:

[illegible]

[illegible]