

Table S1. Metadata of analysed individuals

ID	Species	Zoo	Age	Sex	Pride size (male:female)	Enclosure size (m²)
L1Z1	<i>Panthera leo</i>	Zoo1	6	F	1.1	800
L2Z1	<i>Panthera leo</i>	Zoo1	4	M	1.1	800
L1Z2	<i>Panthera leo</i>	Zoo2	13	M	1.1	536
L2Z2	<i>Panthera leo</i>	Zoo2	8	F	1.1	536
L1Z3	<i>Panthera leo</i>	Zoo3	13	F	0.2	750
L2Z3	<i>Panthera leo</i>	Zoo3	22	F	0.2	750
C1Z1	<i>Acinonyx jubatus</i>	Zoo1	6	M	1.0	688.5
C1Z2	<i>Acinonyx jubatus</i>	Zoo2	12	M	1.0	7500
C2Z2	<i>Acinonyx jubatus</i>	Zoo2	12	F	0.1	7500
C1Z3	<i>Acinonyx jubatus</i>	Zoo3	6	M	2.0	2000
C2Z3	<i>Acinonyx jubatus</i>	Zoo3	6	M	2.0	2000