

Chimpanzee accumulative stone throwing

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Supplementary Table 1. Site name and coordinates of all PanAf temporary research sites (TRSs) where data on chimpanzee accumulative stone throwing behaviour were collected or on-going, and all mid- to long-term research sites (LRS) on habituated chimpanzees where the behaviour is absent from published literature (see Figure 1 in the main manuscript). TRS at LRS refers to sites where the PanAf data collection protocol was carried out at a TRS on the LRS chimpanzee study community. PanAf TRS duration was 14-17 months unless otherwise stated.

Country	Site	Longitude	Latitude	Site
Cameroon	Campo Ma'an	10.463100	2.637160	TRS
Cameroon	Ebo	10.330000	4.319000	LRS
Cameroon	Ebo southwest	10.383333	4.600000	TRS
Cameroon	Korup	9.057099	5.286061	TRS
Cameroon	La Belgique/Dja	13.150000	3.416670	TRS at LRS
Cameroon	Mt Cameroon	9.172730	4.217340	TRS
Côte d'Ivoire	Comoé GEPRENAF	-3.707890	8.841651	TRS
Côte d'Ivoire	Djouroutou	-7.283333	5.366667	TRS
Côte d'Ivoire	Mt Sangbe	-7.262975	7.952841	TRS
Côte d'Ivoire	Taï E	-7.314150	5.893359	TRS
Côte d'Ivoire	Tai east	-7.3333	5.8667	LRS
Côte d'Ivoire	Tai middle	-7.3333	5.8667	LRS
Côte d'Ivoire	Tai north	-7.3333	5.8667	LRS
Côte d'Ivoire	Taï R	-7.333300	5.866700	TRS
Côte d'Ivoire	Tai south	-7.3333	5.8667	LRS
DR-Congo	Bili-Uere	25.868755	4.602616	TRS
DR-Congo	Kabogo ¹	29.694487	-7.129425	TRS
DR-Congo	Kahuzi Biega	28.726501	-2.155465	LRS
DR-Congo	Rubi-Tele ²	24.856460	2.647449	TRS
Gabon	Bateke	14.041160	-2.167566	TRS
Gabon	Loango	9.480000	-2.090000	TRS at LRS
Gabon	Lope	11.583300	-0.166700	TRS
Guinea	Bakoun	-12.500000	11.900000	TRS
Guinea	Bossou	-8.5000	7.6500	LRS
Guinea	Sangaredi	-13.766667	11.100000	TRS
Guinea	Sobeya	-11.709126	10.259386	TRS
Guinea Bissau	Boe	-14.216666	11.750000	TRS
Liberia	Grebo	-7.732278	5.405889	TRS
Liberia	Mt. Nimba	-8.493388	7.219052	TRS
Liberia	Sapo	-8.414625	5.411114	TRS

Mali	Bafing ³	-10.307343	12.578020	TRS
Nigeria	Gashaka	11.700000	7.566667	TRS at LRS
Nigeria	Mbe	9.041748	6.257967	TRS
Republic of Congo	Conkouati	11.416667	-3.800000	TRS
Republic of Congo	Goualougo	16.866667	2.100000	LRS
Rwanda	Gishwati	29.427028	-1.747220	TRS at LRS
Rwanda	Nyungwe	29.292778	-2.490000	TRS
Senegal	Fongoli	-12.166	12.666	LRS
Senegal	Kayan	-12.293810	13.182780	TRS
Senegal	Mt. Assirik	-12.7667	12.8833	LRS
Tanzania	Gombe	29.61643	-4.695511	LRS
Tanzania	Mahale	29.7333	-6.1167	LRS
Tanzania	Semliki	30.3333	0.8333	LRS
Tanzania	Ugalla	30.616700	-5.316700	TRS at LRS
Uganda	Budongo	31.500000	1.750000	LRS
Uganda	Budongo east	31.500000	1.750000	TRS
Uganda	Bwindi	29.708330	-1.008333	TRS
Uganda	Kalinzu	30.117	-0.283	LRS
Uganda	Kanyawara	30.3667	0.5667	LRS
Uganda	Ngogo	30.432130	0.546562	LRS
Uganda	Ngogo east	30.462340	0.523217	TRS

¹Duration of site 4 months

²Duration of site 10 months

³Duration of site 7 months

Supplementary Movie Data

Supplementary Movie 1. Adult female chimpanzee picks up a rock and hurls it at the tree at Boé, Guinea-Bissau.

Supplementary Movie 2. Adult male chimpanzee takes a rock from the hollow of a tree and hurls it again at the same tree at Boé, Guinea-Bissau.

Supplementary Movie 3. Adult male chimpanzee tosses a stone into the hollow cavity of a tree at Boé, Guinea-Bissau.

Supplementary Movie 4. Adult male chimpanzee at Nimba, Liberia leaf clips, then picks up a rock and hurls it at the tree.

Supplementary Movie 5. A one-armed adult male chimpanzee hurls a rock at a tree at Nimba, Liberia.

Supplementary Movie 6. A juvenile chimpanzee bangs a stone against a tree at Sangaredi, Guinea before tossing it into the tree cavity.

Supplementary Movie 7. An adult male chimpanzee picks up a rock and bangs it against the tree at GEPRENAF, Côte d'Ivoire.