

Supplementary material

Table S1. Total time, mean time, and standard deviation [seconds] spent in each behavioural state by yellow-breasted capuchin monkeys [*Sapajus xanthosternos*], organized by functional behavioural category across all experimental phases.

Category	Behaviour	Total Time Sec	Mean Time Sec	Sd Time Sec
Abnormal	Pacing	3458.05	57.63	156.94
Affiliative/Play	Social play	7973.17	132.89	134.20
Affiliative/Play	Solitary play	6754.12	112.57	162.39
Affiliative/Play	Social grooming	13358.63	222.64	154.11
Aggressive	Threatening	346.16	5.77	15.18
Aggressive	Chasing	280.36	4.67	8.30
Aggressive	Agonistic call	338.54	5.64	9.00
Alert	Vigilance	17079.25	284.65	428.42
Exploratory	Digging	3536.06	58.93	65.53
Exploratory	Foraging	15446.28	257.44	153.63
Exploratory	Object manipulation	19163.85	319.40	138.24
Exploratory	Using tools	349.90	5.83	13.43
General activity	Walking	64273.07	1071.22	292.30
General activity	Drinking	921.77	15.36	19.64
General activity	Feeding	10382.35	173.04	119.33
General activity	Running	25021.86	417.03	276.23
General activity	Climbing	15533.16	258.89	213.79
General activity	Hanging	10551.35	175.86	132.02
Inactivity	Standing still	56123.11	935.39	435.94

Table S2. Behavioural diversity [Shannon–Weaver index, H'] of yellow-breasted capuchin monkeys across experimental phases [A1, B, A2]. Values are presented as mean $\pm$ standard deviation [SD], stratified by sex and age class. Behavioural diversity was calculated excluding inactivity and abnormal behaviours and is presented as a complementary descriptive metric.

Phase	Grouping variable	Category	Mean H'	SD	n
A1	Overall	All individuals	1.56	0.16	20
A1	Sex	Female	1.63	0.09	10
A1	Sex	Male	1.50	0.18	10
A1	Age	Adult	1.59	0.16	16
A1	Age	Subadult	1.47	0.08	4
B	Overall	All individuals	1.57	0.16	20
B	Sex	Female	1.64	0.10	10
B	Sex	Male	1.50	0.18	10
B	Age	Adult	1.59	0.16	16
B	Age	Subadult	1.48	0.14	4
A2	Overall	All individuals	1.57	0.13	20
A2	Sex	Female	1.63	0.10	10
A2	Sex	Male	1.52	0.14	10
A2	Age	Adult	1.58	0.13	16
A2	Age	Subadult	1.53	0.12	4

Behavioural diversity across experimental phases by sex and age class

