	CODE	ACTIVITY	DESCRIPTION		
	TRM	Terrestrial	Moving bipedally on the ground or rock structures		
		movement	(walking, running, climbing)		
	S L	Sitting	Not moving, bearing most weight on buttocks		
	L	Lying	Recumbent with little or no weight being borne on hands or feet		
SOLITARY ACTIVITY	SS	Standing still	Bearing weight on feet quadrupedally or bipedally with hands holding on to mash, glass, tree, etc.		
	SFG	Self-grooming	Picking stuff out of hair or scratching systematically, inspecting or cleaning its body		
YA	FEED	Feeding	Holding or eating food		
R	D	Drinking	Consuming water		
T/	FOR	Foraging	Looking for food		
SOLI	L-PLAY	Locomotor play	Moving in any direction for its own sake (chasing, hide and seek, tree climbing, etc.)		
	O-PLAY	Object play	Manipulating object		
	ABN	Abnormal behaviour	Exhibiting any stereotypical or unnatural behaviour		
	FEC	Faeces manipulation	Manipulating or mouthing own or other's faeces. Note if ingested.		
	S-REST	Social resting	Sitting or lying within arm's reach of another for at		
	5 RE51	boolai lesting	least 10s (The initiator is the primate that comes		
<del>Z</del>			second to rest. The receiver must be relatively		
			-		
SOCIAL			immobile, but not limited to resting).		
AC	PLAY	Social play	Chasing, slapping or wrestling with another primate		
	AGG	Aggressive	Exhibiting any aggressive display directed towards		
		behaviour	another primate <sup>1</sup>		
	OS	Out of sight	Behind foliage or furnish, or in the visually inaccessible part of the enclosure (i.e. outside when the observer is inside etc.)		
~	EL	Elimination	Urinating or defecating		
OTHER	LV	Looking at visitors	Directing its eyes towards visitors		
0	LK	Looking at keeper	Directing its eyes towards zoo keeper		
	LG	Looking at gorillas	Directing its eyes towards other gorillas		

Supplement 1. Ethogram of gorilla behaviour used in the study.

1.	Active: moves about a lot	1	2	3	4	5	
2.	Aggressive: causes harm or potential harm; displays,	1	2	3	4	5	
	chases, bites, etc.						
3.	Apprehensive: seems to be anxious about everything;	1	2	3	4	5	
	fears and avoids any						
4.	<b>Confident</b> : behaves in a positive, assured manner, not	1	2	3	4	5	
	restrained or						
5.	Curious: readily explores new situations, environments,	1	2	3	4	5	
	objects						
6.	Eccentric: shows stereotypes or unusual mannerisms;	1	2	3	4	5	
	coprophagy, regurgitation, rock, pace, self-clasp, etc.						
7.	Effective: gets own way, can control others	1	2	3	4	5	
8.	Equable: reacts to others in an even, calm way; is not	1	2	3	4	5	
	easily disturbed						
9.	Excitable: overreacts to any change	1	2	3	4	5	
10.	Fearful: fear grins; retreats readily from others or from	1	2	3	4	5	
	outside						
11.	Insecure: hesitates to act alone; seeks reassurance from	1	2	3	4	5	
	others						
12.	Irritable: reacts negatively with little provocation	1	2	3	4	5	
13.*	Motherly: provides a warm, receptive, secure base	1	2	3	4	5	
14.	<b>Opportunistic</b> : seizes a chance as soon as it arises	1	2	3	4	5	
15.	<b>Permissive</b> : could but does not interfere with the behavior	1	2	3	4	5	
	of others						
16.	Playful: initiates play and joins in when play is solicited	1	2	3	4	5	
17.	<b>Popular</b> : is sought out as a companion by others	1	2	3	4	5	
18.	Protective: prevents harm or possible harm to others	1	2	3	4	5	
19.	<b>Slow:</b> moves and sits in a relaxed manner; moves slowly	1	2	3	4	5	
	and deliberately						
20.	Sociable: seeks companionship of others	1	2	3	4	5	
21.	Solitary: spends time alone	1	2	3	4	5	
22.	Strong: depends upon sturdiness and muscular strength	1	2	3	4	5	
23.	Subordinate: gives in readily to others	1	2	3	4	5	
24.	Tense: shows restraint in posture and movement; carries	1	2	3	4	5	
	the body stiffly, which suggests a shrinking tendency, as						
	if trying to pull back and be less conspicuous						
25.	Understanding: responds in a discriminating and	1	2	3	4	5	
	appropriate manner to the behavior of others						
*Thia	item was excluded, as it was not applicable for the currently observed gorillas.						

Supplement 2. *Gorilla Behavior Index* (GBI), an instrument used to asses gorillas' personality (Gold and Maple, 1994).

\*This item was excluded, as it was not applicable for the currently observed gorillas.

\*\*(1) weakly represented, or not present at all; (2) distinctly present, but falls below average;

(3) halfway between the extremes, or average for gorilla behavior as you know it; (4) strong, although not outstanding; (5) very strong and conspicuous, approaching the extreme.

Supplement 3. Gorilla personality factors measured by the *Gorilla Behavior Index* (GBI), adjectives that compose them and their loadings.

Extroverted	Dominant	Fearful	Understanding
+ Active	+ Aggressive	+ Apprehensive	+ Equable
+Curious	+ Effective	- Confident	+ Permissive
+ Playful	+ Excitable	+ Eccentric	+ Protective
+ Popular	+ Irritable	+ Fearful	+ Understanding
- Slow	+ Opportunistic	+ Insecure	
- Solitary	+ Strong	+ Subordinate	
+ Sociable		+ Tense	

\* (+) positive loadings, (-) negative loadings