#	Behavioural units	Social context	Additionnal description			Behavioural units	Social context	Additionnal description	Corresponding activities
001	drinking	none	self-explanatory	Feeding	065	holding on another	Affiliative behaviour	self-explanatory one individual supports one of	Social with gorillas
002	ingesting	none	self-explanatory	Feeding	066	intervening with	Affiliative behaviour	the two individuals engaged in an agonistic interaction.	Social with gorillas
003	licking	none	self-explanatory	Feeding	067	resting in contact	Affiliative behaviour	two individuals resting together in physical contact, exclusive of other behaviours	Social with gorillas
004	pulling a branch or a stem towards on	none	self-explanatory	Foraging	068	resting in ventro-dorsal contact	Affiliative behaviour	self-explanatory	Social with gorillas
005	scratching a termitarium	none	self-explanatory	Foraging	069	resting in ventro-ventral contact	Affiliative behaviour	self-explanatory	Social with gorillas
006	digging soil	none	self-explanatory	Foraging		rolling towards another	Affiliative behaviour	self-explanatory	Social with gorillas
007	harvesting	none	self-explanatory	Foraging	071	running to another for protection	Affiliative behaviour	self-explanatory	Social with gorillas
800	investigating a dead branch or trunk	none	self-explanatory	Foraging	072	touching another	Affiliative behaviour	self-explanatory	Social with gorillas
009	moving a branch, a stone, a leave	none	self-explanatory	Foraging	073	walk towards another	Affiliative behaviour	self-explanatory	Social with gorillas
010	opening a fruit	none	self-explanatory	Foraging	074	conflicted with another distalant at	Affiliative behaviour	self-explanatory	Social with gorillas
011	peeling a fruit	none	self-explanatory	Foraging	075	walking with another clutched at its hips	Affiliative behaviour	self-explanatory	Social with gorillas
012	scratching soil, trunk or fruit skin	none	self-explanatory	Foraging	076			self-explanatory	Social with gorillas
013	smelling a food item	none	self-explanatory	Foraging	077	food-stealing	Agonistic behaviour	self-explanatory	Social with gorillas
	smelling soil	none	self-explanatory	Foraging	078		Agression with physical contact Agression with physical	includes a combination of biting, dragging, hiting, shoving	Social with gorillas
015	tearing a leave up	none	self-explanatory	Foraging	079	biting	contact	self-explanatory	Social with gorillas
016	thining leaves out	none	self-explanatory	Foraging	080	dragging another	Agression with physical contact	self-explanatory	Social with gorillas
017	uprooting or pulling a branch up	none	self-explanatory	Foraging	081	hiting another	Agression with physical contact	self-explanatory	Social with gorillas
018	brachiation	none	self-explanatory	Locomotion	082	shoving	Agression with physical	self-explanatory	Social with gorillas
							contact Agression without	includes a combination of	
019	climb a tree or liana	none	self-explanatory	Locomotion	083	agression without contact	physical contact	chasing, lunging, open-mouthed threat face	Social with gorillas
020	climb down	none	self-explanatory	Locomotion	084	chasing	Agression without physical contact	self-explanatory	Social with gorillas
	clung to a trunk	none	self-explanatory	Locomotion		lunging	Agression without	self-explanatory	Social with gorillas
						open-mouthed threat face and	physical contact Agression without		
022	hanging from a branch or liana	none	self-explanatory	Locomotion		threatening movements towards another	Agression without physical contact Agression without	self-explanatory	Social with gorillas
023	nesting	none	self-explanatory	Locomotion	087		physical contact	self-explanatory	Social with gorillas
024	pounding the ground or a trunk for playing	none	self-explanatory	Locomotion	088	running at another	Agression without physical contact	self-explanatory	Social with gorillas
025	run	none	self-explanatory	Locomotion	089	chest-beating directional or non- directional	Communication - Display	to be distinguished from play behavior by the aggressive context and lack of play face	Social with gorillas
026	self-playing	none	self-explanatory	Locomotion	090	displaying	Communication - Display	an excited performance including chest beating, hooting, smashing/dragging plants, pounding the ground, symbolic feeding	Social with gorillas
027	self-playing and rolling	none	self-explanatory	Locomotion	091	hooting	Communication - Display	self-explanatory	Social with gorillas
028	self-playing and turning round on	none	self-explanatory	Locomotion	092	pounding the ground	Communication -	self-explanatory	Social with gorillas
029	itself	none	self-explanatory	Locomotion	093		Display Communication -	self-explanatory	Social with porillar
	self-playing eyes closed self-playing hung from a branch or						Display Communication -		Social with gorillas
030	liana	none	self-explanatory	Locomotion	094	strut stance	Display	self-explanatory	Social with gorillas
031	slinding down	none	self-explanatory	Locomotion	095	symbolic feeding	Communication - Display	self-explanatory	Social with gorillas
032	smashing/dragging plants for playing	none	self-explanatory	Locomotion	096	anticipating food vocalization	Communication - Vocalization	a vibration vocalization performed by individuals immediately before meals, distinguished from belch vocalization by the context.	Social with gorillas
033	swinging from a branch or liana	none	self-explanatory	Locomotion	097	appeasement vocalization	Communication - Vocalization	a whiny vocalization given in	Social with gorillas
034	walking	none	self-explanatory	Locomotion	098	belch vocalization	Communication - Vocalization	an expression of contentment	Social with gorillas
035	playing with a tool (stick, leave, sand)	none	Locomotion or Resting according to the energy used in the play	Locomotion/Resting	099	moaning against another	Communication - Vocalization	a vocalization performed by one individual that another is about to interact with. This vocalization was especially performed by one individual (Tiya) against the male Oudiki that intended to play with her, but offer roughly	Social with gorillas
036	quadrupedal standing for monitoring	none	self-explanatory	Resting	100	scream vocalization	Communication - Vocalization	a high-pitched, high volume scream most often used in tense or aggressive situations	Social with gorillas
037	bipedal standing	none	self-explanatory	Resting	101	stress hooting	Communication - Vocalization	hooting performed in a stress situation one individual climbs on top of	Social with gorillas
038	bipedal standing for monitoring	none	self-explanatory	Resting	102	mounting	Dominance behaviour	another individual, dorsally or ventrally, distinguished from play	Social with gorillas
039	lying	none	self-explanatory	Resting	103	agressive play	Play behaviour	during social playing, one or more individuals start escalading agressiveness. It could result in agression.	Social with gorillas
040	lying near another	none	self-explanatory	Resting	104	(dragging, pusning)	Play behaviour	self-explanatory	Social with gorillas
041	monitoring while lying	none	self-explanatory	Resting	105	invite to play without contact (play displaying, initiating play chasing,	Play behaviour	self-explanatory	Social with gorillas
042	monitoring while seated	none	self-explanatory	Resting	106) mock-bitting with another	Play behaviour	self-explanatory	Social with gorillas
	playing gently in bipedal standing	none	self-explanatory	Resting		play boxing	Play behaviour	self-explanatory	Social with gorillas
044	playing gently while in quadrupedal	none	self-explanatory	Resting		play chasing	Play behaviour	self-explanatory	Social with gorillas
045	standing playing gently while lying	none	self-explanatory	Resting	109	play chest-beating	Play behaviour	self-explanatory	Social with gorillas
046	playing gently while seated	none	self-explanatory	Resting	110	play wrestling	Play behaviour	self-explanatory	Social with gorillas
047	quadruedal standing near another	none	self-explanatory	Resting	111		Play behaviour	self-explanatory	Social with gorillas
048	quadrupedal standing	none	self-explanatory	Resting	112	or liana	Play behaviour	self-explanatory	Social with gorillas
049	resting near another	none	self-explanatory	Resting		playing with another	Play behaviour	self-explanatory one individual close his eyes and moves blind to another.	Social with gorillas
050	resting seated seated on a nest	none	self-explanatory self-explanatory	Resting		pretending to be blind avoiding another	Play behaviour Submissive behaviour	This often follows an exciting nlav.	Social with gorillas Social with gorillas
052	self-grooming sleeping lying	none	self-explanatory self-explanatory	Resting	116	fleing another cowering down	Submissive behaviour	self-explanatory one individual adopt this submission posture to be	Social with gorillas Social with gorillas
		none	элгехрианасогу		111		Someone periaviour	protected from agression or rough play	and mail guillas
054	sleeping seated	none	self-explanatory	Resting	118	allocking on business to be	Undetermined type	self-explanatory	Social with gorillas
	climbing a tree towards another	Affiliative behaviour	self-explanatory	Social with gorillas	119	transported	Affiliative behaviour	self-explanatory	Social with humans
056 057	climbing down a tree to another clutching at another	Affiliative behaviour Affiliative behaviour	self-explanatory self-explanatory	Social with gorillas Social with gorillas	120 121	following human hanging on human	Affiliative behaviour Affiliative behaviour	self-explanatory self-explanatory	Social with humans Social with humans
058 059	flowing in walking	Affiliative behaviour	self-explanatory self-explanatory	Social with gorillas Social with gorillas	122	transported by human	Affiliative behaviour Play behaviour	self-explanatory self-explanatory	Social with humans Social with humans
059		Affiliative behaviour Affiliative behaviour	self-explanatory self-explanatory	Social with gorillas Social with gorillas		mock-biting playing and laughing	Play behaviour Play behaviour	self-explanatory self-explanatory	Social with humans Social with humans
061	following another in climbing up	Affiliative behaviour	self-explanatory	Social with gorillas	125	playing with human	Play behaviour	self-explanatory	Social with humans
062	following another in running	Affiliative behaviour	self-explanatory	Social with gorillas	126		Play behaviour	self-explanatory	Social with humans
	grooming	Affiliative behaviour	self-explanatory	Social with gorillas	127	branch	Play behaviour	self-explanatory	Social with humans
)64	hanging on another	Affiliative behaviour	self-explanatory	Social with gorillas	1	I			

Supplementary table 2. Ethogramm of the 127 different behavioural units considered within every 6 activity categories.