DAY 26th MONTH Sept YEAR 09 OBS-PC SM TMF/40 TW HOW FOUND N

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	OL	GRID	MNK	SP	PT
Estrus																			1	2											1				1	1													
5:45																																																
6:00																			X	X	X														X	X								X		N26	None	—	—
6:15																			X	X	X														X	X								X				—	—
6:30																			X	X	X											X	X		X	X								X				—	—
6:45																			X	X	X											X	X		X	X								X				FVA	RF
7:00																			X	X	X											X	X		X	X								X					
7:15																			X	X	X											X	X		X	X								X					
7:30																			X	X	X														X	X								X					
7:45																			X	X	X														X	X								X		N26		FVA	RF
8:00																			X	X	X														X	X								X		N25		FBR	RF
8:15																			X	X	X														X	X								X				11	11
8:30																			X	X	X														X	X								X				—	—
8:45																			X	X	X														X	X								X				CHT	YL
9:00																			X	X	X														X	X								X				11	11
9:15																			X	X	X														X	X								X				—	—
9:30																			X	X	X														X	X								X				—	—
9:45																			X	X	X														X	X								X				—	—
10:00																			X	X	X														X	X								X		N25		—	—
10:15																			X	X	X											X	X		X	X								X		O25		FFX	RF
10:30																			X	X	X											X	X		X	X								X					
10:45																			X	X	X											X	X		X	X								X					
11:00																			X	X	X											X	X		X	X								X					
11:15																			X	X	X											X	X		X	X								X				FFX	RF
11:30																			X	X	X											X	X		X	X								X				—	—
11:45																			X	X	X											X	X		X	X								X				—	—
12:00																			X	X	X											X	X		X	X								X				—	—
12:15																			X	X	X											X	X		X	X								X				—	—
12:30																			X	X	X											X	X		X	X								X				—	—
12:45																			X	X	X											X	X		X	X								X		O25	Nom	—	—
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	OL				
13:00																			X	X	X											X	X		X	X								X		O25		—	—
13:15																			X	X	X											X	X		X	X								X			None	FEX	RF
13:30																			X	X	X											X	X		X	X								X				—	—
13:45																			X	X	X											X	X		X	X								X				—	—
14:00																			X	X	X														X	X								X				FEX	RF
14:15																			X	X	X														X	X								X					
14:30																			X	X	X														X	X								X					
14:45																			X	X	X														X	X								X				FEX	RF
15:00																			X	X	X														X	X								X		O25		—	—
15:15																			X	X	X														X	X								X		N25		ADH	RF
15:30																			X	X	X														X	X								X					
15:45																			X	X	X														X	X								X					
16:00																			X	X	X														X	X								X					
16:15																			X	X	X														X	X								X					
16:30																			X	X	X														X	X								X					
16:45																			X	X	X														X	X								X				ADH	RF
17:00																			X	X	X														X	X								X				CAF	YL
17:15																			X	X	X														X	X								X				FEX	YL
17:30																			X	X	X														X	X								X				11	11
17:45																			X	X	X														X	X								X			None	—	—
18:00																			X	X	X														X	X								X			RDT	—	—
18:15																			X	X	X														X	X								X		N25	11	—	—
18:30																																																	
18:45																																																
19:00																																																
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	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	OL	GRID	MNK	SP	PT
Health																			2	1											1	1											2					

COMMENTS OU has dry cough and OL was heard sneezing.

FOUND: C=calls, FT=checking fruit trees, FFT: waiting at fruit tree, N=nest **PARTY COMPOSITION**: X: present at that time; O = thought to be around

OTHERS: Write IDs in blank columns: HH, PE, UM-UH-UN, GD-GS-GG, MU-MX, AFF, AMM, JFF, JMM, IMM, IFF

PT: RF = ripe fruit, UF = unripe fruit, SD = seed, YL = young leaf, ML = mature leaf, FL = flower, WD = wood, RT = root, SL = soil, MT = meat

MNK: RDC= Red colobus, BWC= Black and white colobus, RDT= Red-tail monkey, BLU= Blue Monkey, MGB= Mangabey, BAB= Baboon

HEALTH: 1 = Healthy, 2 = Cold/cough, 3 = Diarrhoea, 4 = Wound (describe). **ESTRUS**: 1 = None, 2 = Partial, 3 = Full

OU(1) OT(2) LR(1) **KPC BEHAVIOUR** WL(1) QT(1)

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TW FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
556	OBS arrived at the nest site									
600		OU OT	OG	OM OL	21 BFP				Ø	
615		OU OT	OG	OM OL	"				Ø	
630		OU OT	OG	OM OL	"				Ø	
636	NP and LR and WL with their families together									
	with Made QT OY		joined the party				but no calls			
642	OU (OL) leaving anight nest									
644	OM leaving anight nest									
645		LR WL OU OT	OG WL QT LO	NP OM OL	21 BFP	✓	FVA	RF	Ø	
647	OG leaving anight nest									
650	OT leaving anight nest and				all chimps climb					
	ed down on ground then moving									
652	OU OM both Swallowing on FEX young leaves									
655	OU was heard coughing (dry cough)									
659	OL was heard Sneezing									
700		LR OU OT WL	OG QT LO WL	NP OM OL	21 BFP	✓	FVA FEX	RF YL	Ø	
710	NP OG Swallowing on FEX young leaves									
714	OM was heard Sneezing									

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**: elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?) ~~tree~~

639 LR and WL NP climbed in FVA and started feeding. Silent.

KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TW JM FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
715		OU GT LR WL OT	09 GW WC LO	NP OM OL	21/BFP	✓	FVA	RF	Ø	
719	Ou family joined Other IN's				In		FVA	Tree.		
	all Made pant hoots									
730		OU GT OT WL	09 GW WC	NP OM OL	21/BFP	✓	FVA	RF	Ø	
745		OU WL OT GT	09 GW WC	NP OM OL	n	✓	n	n	Ø	
748	Chimps climbed down on ground and Moving									
757	WL Made VD Others pant hooted									
758	chimps climbing into FBR Tree making									FBK
	food barks then feeding									
800		OU WL GT OT	09 WC GW	NP OM OL	K/Kid	✓	FBR	RF	Ø	
815		OU WL GT OT	09 WC GW	NP OM OL	n	✓	n	n	Ø	
824	GT GW leaving the feeding tree									
829	Chimps all leaving ther feeding tree and									
	Moving on ground									
830		OU GT OT WL	09 WC GW	NP OM OL	K/Kid				Ø	
833	Chimps climbed into CHT grooves and feeding									
	On young leaves									
845		OU GT OT WL	09 WC GW	NP OL OM	H/12	✓	CHT	YL		

Aggression/Received aggression

Time	Aggr. ID	VD Duration	NvD Duration	CHA Duration	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

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717 LR LO left the party and moved away.

KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TWJM FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
856	WL building aday nest tree = TEC HT = 8M									
857	QT building aday nest tree = TEC HT = 9M									
858	OT building aday nest tree = BOS HT = 8M									
859	NP building aday nest tree = TEC HT = 9M									
900		OU WL QT OT	OG QV WC	NP OL OM	H/12	✓	CHT	YL	Ø	
915		OU WL QT OT	OG QV WC	NP OL OM	"				Ø	
930		OU WL QT OT	OG QV WC	NP OL OM	"				Ø	
934	NP leaving aday nest									
945		OU WL QT OT	OG QV WC	NP OL OM	H/12				Ø	
953	WL (WC) and QT (QV) leaving their day nests at same time									
956	OT leaving aday nest at same time all chimps climbed down on ground and moving									
959	WL made VD and buttress bungs QT pant hooted									
1000		OU WL QT OT	OG QV WC	NP OM OL	G/7				Ø	
1003	WL QT OU made joint VD WL QT made buttress bungs others didn't respond.									

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	2	3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
959	WL	6sec						None							Unknown	2
1003	OU WL QT	15sec						None							Unknown	2

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK **Estrous: 1=None; 2=Partial; 3=Full**

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TW JM FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1007	Chimps	joined LR LO in			FEx		tree	LR		
	Made	pant barks								
1015		OU WL LR OT	OG WC LO OV	NP OLOM	G/3	✓	FEX	RF	Ø	
1020	OU	made attack (1) to GT with a kick she								
	fled	screaming Others	did n't	respond.						
1023	LR (LO)	building a day	nest	tree	=	UVA	HT	= 18M		
1029	GT (GV)	building a day	nest	tree	=	UVA	HT	= 15M		
1030		OU WL LR OT	OG OV WC LO	NP OLOM	G/3	✓	FEX	RF	Ø	
1040	WL (WC)	leaving the feeding	tree							
1041	WL	build a day	nest	tree	=	UVA	HT	= 12M		
1042	OT	build a day	nest	tree	=	UVA	HT	= 7m		
1045		OU WL LR OT	OG WC LO OV	NP OLOM	G/3	✓	FEX	RF	Ø	
1057	OU (OL)	leaving the feeding	tree	and	Climbed					
	down	on ground								
1100		OU WL LR OT	OG WC LO LO	NP OLOM	G/3	✓	FEX	RF	Ø	
1101	OT	leaving a day	nest							
1102	OU	grooming OG								
1103	OT	grooming OM								

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		
1020	OU				✓			GT		F		✓			Unknown	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK

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KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TW JM FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
11.15		OL OG WL OT LR	LO WE OG BN	NP OL OM	G/3	✓	FEX	RF	Ø	
1117	OL grooming	OT								
1119	Hand clasp	Mutual groom	OL <-> OT							Hcg
1120	OL groomed OT after hand clasp									
1121	OG playing with OL	Where by OG touching								
	and patting on OL									
1122	Chain groom	OL -> OT -> OG								
1123	OM grooming	OL								
1130		OL OT WL OM LR	LO WE OG BN	NP OL OM	G/3				Ø	
1130	WL (WC) leaving a day nest									
1142	LR leaving a day nest									
1143	Hand clasp	Mutual groom	OG <-> WL							Hcg
1144	WL groomed	WL after hand clasp								
1145		LR OG WL BN OT	LO WE OG BN	NP OM OL	G/3				Ø	
1146	OT (EW) leaving a day nest									
1153	OG grooming	NP								
1155	OT grooming	WL								
1156	OT grooming	LR								

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK

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KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TW JM FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1157	OU grooming		OG							
1200		OU LRWL BY OT	OG WC BW LO	NP OLOM	G/3				Ø	
1201	OG playing with WC by tickling and Make Soft bites on each other									
1215		OU LRWL BY OT	OG WC BW LO	NP OLOM	G/3				Ø	
1230		OU LRWL BY OT	OG WC BW LO	NP OLOM	"				Ø	
1245		OU LRWL BY OT	OG WC BW LO	NP OLOM	"				Ø	
1258	NP playing with OG by Wrestling, tickling and Make Soft bites on each other									
1300		OU LR BY OT WL	OG WC BW LO	NP OLOM	G/3				Ø	
1305	OT NP om OG climbed again into FEX tree and started feeding									
1315		OU LR BY OT WL	OG WC BW LO	NP OLOM	G/3	✓	FEX	RF	Ø	
1320	WL approached OU Who extend hand to WL and they shake hands at same time WL Made Pant grunts and extending hand to OU Who Made Soft bites on hand									PTS
1325	NP om OT OG leaving the feeding tree and									

Aggression/Received aggression Come down on ground

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK

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KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1326	OU grooming OT									
1327	OU playing with OT by tickling and make soft bites on each other									AP
1330		OU LR QT WL OT	LO OG WC QN	NP OM OL	G/3				Ø	
1330	OU Inspecting OT by touch on her estrous and smelling on fingers									
1345		LR QT OU OT WL	LO OG WC QN	NP OM OL	G/3				Ø	
1349	Chimps Started Moving but LR Lo remained behind									
1350	WL OU QT made joint NVD WL made butt ress bungs others didn't respond									
1352	Chimps climbed into FEX tree and start feeding on ripe fruits									
1359	OU chased QT in a feeding tree she fled screaming									
1400		OU QT OT WL	OG WC QN	NP OL OM	H/3	✓	FEX	RF	Ø	
1403	it started raining									RN
1415		OU QT OT WL	OG WC QN	NP OL OM	H/3	✓	FEX	RF	Ø	

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack 1	Attack 2	Attack 3	Vic ID	Response of victim No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G
1350	WL QT OU		20sec					None							Unknown	G
1359	OU			6sec				QT		F		✓			food competetion	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

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KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TW FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1430		OU WL OT GT	OG GV WE	NP OLOM	H/3	✓	FEx	RF	Ø	
1445		OU WL OT GT	OG GV WE	NP OLOM	"	✓	"	"	Ø	
1450	Chimps leaving the feeding tree and moving on ground									
1500		OU WL OT GT	OG GV WE	NP OLOM	Q/Krd				Ø	
1500	OG Made attack ① to NP with kicks and slaps she screamed but not avoid									
1511	WL Made vocal rain displays but no one responded									RD
1512	Chimps climbed into APH tree while making food grunts then started feeding									
1515		OU WL OT GT	OG GV WE	NP OLOM	E/9	✓	APH	RF	Ø	
1520	OT Made a branch Shake against GT who chased her OT fled screaming OU intervened waar barking both OU OT Made joint chase to GT while all waar barking GT fled screaming									
1530		OU WL OT GT	OG GV WE	NP OLOM	E/9	✓	APH	RF	Ø	

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		
1500	OG				✓			NP	✓			✓			Unknown	G
1511	WL	4sec						None							Social excitement	G
1520	GT			3sec				OT		F		✓			protection	T
1520	OU OT			8sec				GT		F		✓			" "	T

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

At 15-MIN INTERVALS: Party composition, Location, Food, MNK

Estrous: 1=None; 2=Partial; 3=Full

AP: adult play; **CP**: copulation; **CY**: carry; **DR**: drink; **ELE**; elephants; **FBK**: food bark; **HCG**: hand-clasp groom; **HNY**: honey; **IGI**: inter-group interaction; **LF**: leaf use; **MAT**: monkeys attack; **PIG**: pigs; **PRED**: predation; **PTG**: pant-grunt; **RN**: rain; **RD**: rain display; **SOIL**: eating red soil; **STK**: stick use; **TLU**: tool use; **UNF**: unusual food; **Q**: other unusual events; **PAT**: patrol (non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: JW FOUND: N

Time	Party Composition: AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)	Loc	F	SP	PT	MNK	BEH
1545		OU WL GT OT	OG WE GV	NP OL OM	E/9	✓	APH	RF	Ø	
1600		OU WL GT OT	OG WE GV	NP OL OM	"	✓	"	"	Ø	
1615		OU WL GT OT	OG WE GV	NP OL OM	"	✓	"	"	Ø	
1620	it stoped raining									
1630		OU WL GT OT	OG WE GV	NP OL OM	E/9	✓	APH	RF	Ø	
1645		OU WL GT OT	OG WE GV	NP OL OM	"	✓	"	"	Ø	
1648	Chimps leaving the feeding tree and Moving on ground									
1652	OU and her family feeding on CAF young leaves									
1700		GT WL OT OU	OG GV WE	NP OL OM	E/10	✓	CAF	YL	Ø	
1704	OU (OL) building aright nest 25M high			Dbh = 54 cm	tree = CAF				HT =	
1712	WL (WE) building aright nest a HT = 18M			Dbh = 22cm	tree = Albizi					
1715		OU WL GT OT	OG WE GV	NP OL OM	E/10	✓	FEX	YL	Ø	
1717	OG building aright nest 20m			Dbh = 42cm	tree = CBH				HT =	

Aggression/Received aggression

Time	Aggr. ID	VD	NvD	CHA	Attack Duration	1	2	3	Vic ID	Response of victim: No	Av	Tn	Sb	Rt	RA	Behavioural context	T/G

Copulations

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart?	Approach:	Notes

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KPC BEHAVIOUR

DAY: 26th MONTH: Sept YEAR: 09 KPC: SM OTHERS: TW FOUND: N

Time	Party Composition				Loc	F	SP	PT	MNK	BEH
	AMM	AFF (incl. estrous)	JMM (&inf)	JFF (&inf)						
1730		OU WL OT GT	09 WC Gr	NP OLOM	E/10	✓	FEx	YL	Ø	
1735	OT building a night nest tree = Olea HT =									
	38m	Dbh = 64cm								
1745		OU WL OT GT	09 Grwe	NP OLOM	E/10				Ø	
1800		OU WL OT GT	09 Grwe	NP OLOM	〃				RDT	
1815		OU WL OT GT	09 Grwe	NP OLOM	〃				〃	
1820	OBS leaving the nest site.									

Aggression/Received aggression

Time	Aggr.	VD	NvD	CHA	Attack			Vic	Response of victim						Behavioural context	T/G
	ID	Duration			1	2	3	ID	No	Av	Tn	Sb	Rt	RA		

Copulations

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